



January 1, 2004

Re: Well Rock House 6D-32  
SE/NW, Sec. ~~25~~<sup>32</sup>, T10S, R23E  
Lease No. ML-47063

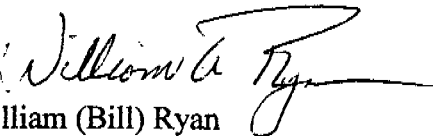
Utah Division of Oil Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

Dear Sirs:

The Houston Exploration Company respectfully requests permission to drill the subject well. Please see the attached APD. The subject well was applied for and approved in 1998. Lone Mountain was the applicant for the original APD. The well name was State G 22-~~23~~<sup>32</sup>. The lease was sold to Dominion. Dominion chose not to drill the well and let the APD laps. The Houston Exploration Company subsequently has acquired the lease.

The operator proposes the well be located in the same location, the only change will be the pad width.

If you have additional questions please contact:

  
William (Bill) Ryan  
Rocky Mountain Consulting  
Agent

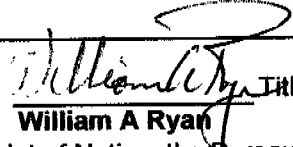
435-789-0968 Office  
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JAN 05 2004

**NOTICE OF STAKING**

<b>NOTICE OF STAKING</b>		<b>6</b> Lease number UT ML-47063
<b>1</b>	Oil Well ___ Gas Well <u>X</u> Other ___	<b>7</b> If Indian, Allotte or Tribe NA
<b>2</b>	Name of Operator The Houston Exploration Company	<b>8</b> Unit Agreement Name NA
<b>3</b>	Name of Specific Contact Person William A Ryan	<b>9</b> Farm or lease Name NA
<b>4</b>	Address & Phone Number of Operator or Agent 350 S 800 E Vernal, UT 84078	<b>10</b> Well No. RH 6D-32
<b>5</b>	Surface Location of Well SE 1/4 NW 1/4 Attach: a) Sketch showing road entry onto pad, pad dimension, and reserve pit b) Topographic or other acceptable map showing location, access road, and lease Boundaries.	<b>11</b> Field or Wildcat
<b>15</b>	Formation Objective(s) Wasatch Mesaverde	<b>12</b> Sec., T., R., M or Blk/ and Survey or Area  Sec. 32, T10S, R23E
		<b>13</b> County Uintah
		<b>14</b> State UT
<b>17</b>	Additional information (as appropriate, shall include surface owner's name, address and if known telephone number)	

Access to sec. 32, T10S, R23E will be via Saddle Tree Draw West Fork. The access road is also listed as a Class "D" road by Uintah County.

<b>18</b>	Signed 	Title <b>Agent</b>	Date 1-6-04
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**Note** Upon receipt of Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operator must consider the following prior to the onsite.

- a) H2S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit

## SELF-CERTIFICATION STATEMENT

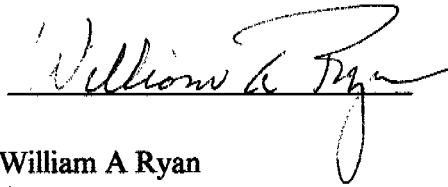
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that The Houston Exploration Company are considered to be operator of the following well.

Rock House 6D-32  
SE ¼ NW ¼ Section 32, T10S, R23E  
Lease UT ML-47063  
Uintah County, Utah

The Houston Exploration Company is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond UTB10455043 provides state wide bond coverage on all Federal lands.



William A Ryan  
Agent  
Rocky Mountain Consulting  
350 S. 800E.  
Vernal, UT 84078  
435-789-0968 Office  
435-828-0968 Cell

## Ten Point Plan

The Houston Exploration Company

RH 6D-32

Surface Location SE ¼, Section 32, T. 10S., R. 23 E.

### 1. Surface Formation

Green River

### 2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	+5,193' G.L.
Oil Shale	93	+5,100
Wasatch	3,656	+1,537
Mesaverda formation	5,326	-133
Castlegate	7,841	-2,648
Mancos	8,046	-2,853
T.D.	8,056	-2,863

### 3. Producing Formation Depth:

Formation objective includes the Wasatch and the Mesaverde.

Off Set Well information: None

Off set well: None

### 4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade Weight/FT</u>	<u>Setting &amp; Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
12 1/2	9 5/8	36	J-55/STC	1500'	NEW
7 7/8	5 1/2	17	N-80/L+C	T.D.	NEW

**Cement Program:**

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
9 5/8	Class "G" 2% Calcium 1/4 #/sk Cello Flake	200 sks. +/- 842 SKS - see BJ Calcs or 642 SKS w/o loss circulation	1.18 cu ft./sk	15.6 lbs./gal. 2/4/04 DND
5 1/2 Lead.	Class "G" 3% salt 16% gel (Bentonite) 10# sk Gilsonite .4 lbs./sk FL-25	200 sks. +/- 1265 SKS - see BJ calcs	3.90 cu. ft./sk	11.0 lbs./gal. 2/4/04 DND

**5. BOP and Pressure Containment Data:**

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

**6. Mud Program:**

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-1500	Air/Clear Water	-----	No Control	Water/Gel
	Clear Water	-----	No Control	Water/Gel
1500-T.D.	8.4-8.6	30	8-10	Water/Gel

**7. Auxiliary Equipment**

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

**8. Testing, Coring, Sampling and Logging:**

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging: 

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

**9. Abnormalities (including sour gas):**

No abnormal pressures, temperatures and or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation and Mesaverde. Other wells drilled in the area have not encountered over pressured zones or H<sub>2</sub>S.

**10. Drilling Schedule:**

The anticipated starting date is Feb. 1, 2004. Duration of operations is expected to be 30 days.

THE HOUSTON EXPLORATION COMPANY

13 POINT SURFACE USE PLAN

FOR WELL

ROCK HOUSE 6D-32

LOCATED IN SE  $\frac{1}{4}$ , SW  $\frac{1}{4}$

SECTION 32, T. 10 S, R.23 E., <sup>SL</sup>~~U.S.B. & M.~~

UINTAH COUNTY, UTAH

LEASE NUMBER: UT ML-47063

SURFACE OWNERSHIP: STATE OF UTAH AND FEDERAL

1. **Existing Roads:**

To reach **The Houston Exploration Co. well R.H 6D-32 in Section 32, T 10 S, R 23 E**, from Bonanza, Utah:

Starting in Bonanza, Utah.

Proceed south on the paved road for 4 miles.

Turn south (left) on the Book Cliffs road (dirt road). Proceed south 3.9 miles to Greeks Corrals.

Turn west (right) at the fork in the road. Proceed 8.3 miles to the Asphalt Wash sign.

Stay to the south (left) of the sign. Proceed .7 miles to the Rainbow sign.

Stay to the west (right) of the sign. This is also called the Kings Wells road. Proceed 10.2 miles.

Turn North (right). Proceed 3.6 miles.

Turn west (left) follow the 10 " pipe line. Proceed 1.4 miles.

Turn North (right) Proceed 2.0 miles. The proposed access road will start at this point.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. **Planned access road**

The proposed location will require approximately 50 feet of new road construction.

The road will be built to the following standards:

- A) Approximate length 50 Ft.
- B) Right of Way width 30 Ft.
- C) Running surface 18 Ft.
- D) Surface material Native soil
- E) Maximum grade 5%
- F) Fence crossing None
- G) Culvert None
- H) Turnouts None
- I) Major cuts and fills None
- J) Road Flagged Yes
- K) Access road surface ownership  
**State of Utah & Federal**
- L) All new construction on lease  
Yes
- M) Pipe line crossing None

Please see the attached location plat for additional details.

A right of way will not be required. All surface disturbance for the road and location will be within the lease boundary.

3. **Location of existing wells**

The following wells are located within a one mile radius of the location site.

- A) Producing well HR Fed. 11-6  
Sec. 11, T12S, R23E
- B) Water well None
- C) Abandoned well None
- D) Temp. abandoned well None
- E) Disposal well None
- F) Drilling /Permitted well None
- G) Shut in wells None
- H) Injection well None
- I) Monitoring or observation well  
None



Please see the attached map for additional details.

#### **4. Location of tank batteries, production facilities and production gathering service lines.**

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Juniper Green color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Juniper Green.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 3.2 miles of 4" or 6" gathering line would be constructed

on State of Utah and Federal Lands. The line would tie into the existing line in Section 9, T11S, R23E. The line will be strung along side the existing BLM maintained road and boomed of to the east side of the road.

Please see the attached location diagrams for pipe line location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the well head. The gas line will be buried or anchored down from the well head to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter proving schedule. A copy of the meter calibration report will be submitted to the **State of Utah, Division of Oil, Gas, and Mining**. All measurement facilities will conform to API ( American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

#### **5. Location and type of water supply**

Water for drilling and cementing may come from any of three

sources. One could be water trucked or pumped from the White River. The location would be in Sec. 20, T10S, R23E. The second could be water truck from Rosewoods water station in Section 13, T11S, R23E. The third location may be Evacuation Creek permit 49-1595. The Evacuation Creek distribution Point is in Section 7, T11S, R25E. Water for completion will come from the same supply or Vernal City.

#### **6. Source of construction materials**

All construction material for this location site and access road shall be borrowed material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

#### **7. Methods for handling waste disposal**

##### **A) Pit construction and liners:**

The reserve pit will be approximately 10 ft. deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will not be lined unless the pit is blasted or soil conditions would warrant a pit liner.

The reserve pit will not be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water

for drilling will come from a frac. tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

##### **B) Produced fluids:**

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

##### **C) Garbage:**

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized land-fill location.

##### **D) Sewage:**

A portable chemical toilet will be supplied for human waste.

##### **E) Site clean-up:**

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

## 8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

## 9. Well-site layout

Location dimensions are as follows:

A) Pad length	325 ft.
B) Pad width	155 ft.
C) Pit depth	10 ft.
D) Pit length	180 ft.
E) Pit width	50 ft.
F) Max cut	9.6 ft.
G) Max fill	13.7 ft
H) Total cut yds.	7,750 cu yds
I) Pit location	east side
J) Top soil location	north & south end
K) Access road location	south end
L) Flare Pit	corner B

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.

- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.

- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

## 10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,000 cubic yards of material.

Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rain fall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

**A) Seeding dates:**

Seed will be spread when top soil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

**B) Seed Mix**

Four wing salt brush	4#/acre
Shad scale	3#/acre
Needle & thread grass	3#/acre
Western wheat grass	2#/acre

**11. Surface ownership:**

Access road	<b>State of Utah &amp; Federal</b>
Location	<b>State of Utah</b>
Pipe line	<b>State of Utah</b>

**12. Other information:**

**A) Vegetation**

The vegetation coverage is slight. The majority of the existing vegetation consists of sage brush. Rabbit brush, bitter brush, and Indian rice grass are also found on the location.

**B) Dwellings:**

There are no dwelling or other facilities within a one mile radius of the location.

**C) Archeology:**

The location has not been surveyed. A copy of that survey has been forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations which would effect such sites will be suspended and the discovery reported promptly to the surface management agency.

**D) Water:**

The nearest water is the White River located 4 miles to the North.

**E) Chemicals:**

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

**F) Notification:**

- a) Location Construction**  
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion**  
Prior to moving on the drilling rig.
- c) Spud notice**  
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing**  
At least twenty-four (24) hours prior to running casing and cementing all casing strings.

- e) BOP and related equipment tests**  
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice**  
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

**G) Flare pit:**

The flare pit will be located in corner B of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

**13. Lessees or Operator's representative and certification**

**A) Representative**

William A. Ryan

Rocky Mountain Consulting  
350 S 800 E  
Vernal, UT 84078

Office 435-789-0968  
Fax 435-789-0970  
Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the

actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

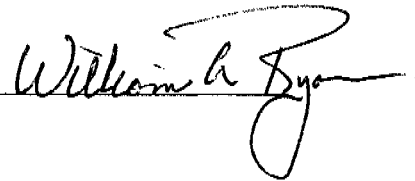
Onsite Dates:

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

**B) Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be performed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date



William A. Ryan, Agent  
Rocky Mountain Consulting

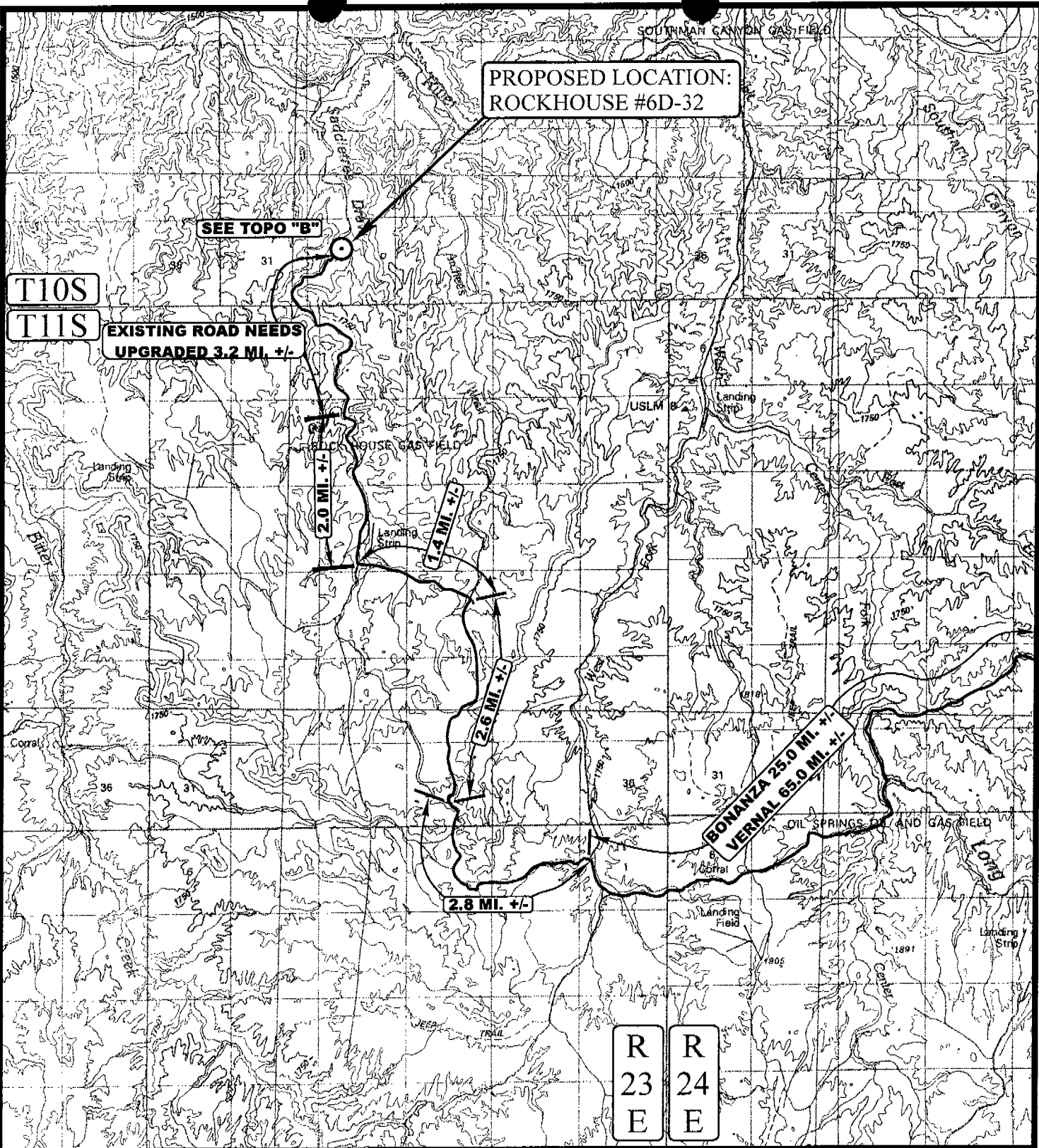
## **Statement of use of Hazardous Materials**

No chemical(s) from the EPA's Consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986. Will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored transported, disposed, or associated with the proposed action.

If you require additional information please contact.

William A Ryan  
Agent for The Houston Exploration Company  
Rocky Mountain Consulting  
350 S. 800 E.  
Vernal UT 84078

435-789-9068 Office  
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**LEGEND:**

○ PROPOSED LOCATION



**THE HOUSTON EXPLORATION COMPANY**

ROCKHOUSE #6D-32  
SECTION 32, T10S, R23E, S.L.B.&M.  
1938' FNL 2121' FWL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(801) 789-1017 \* FAX (801) 789-1813  
Email: uels@easilink.com

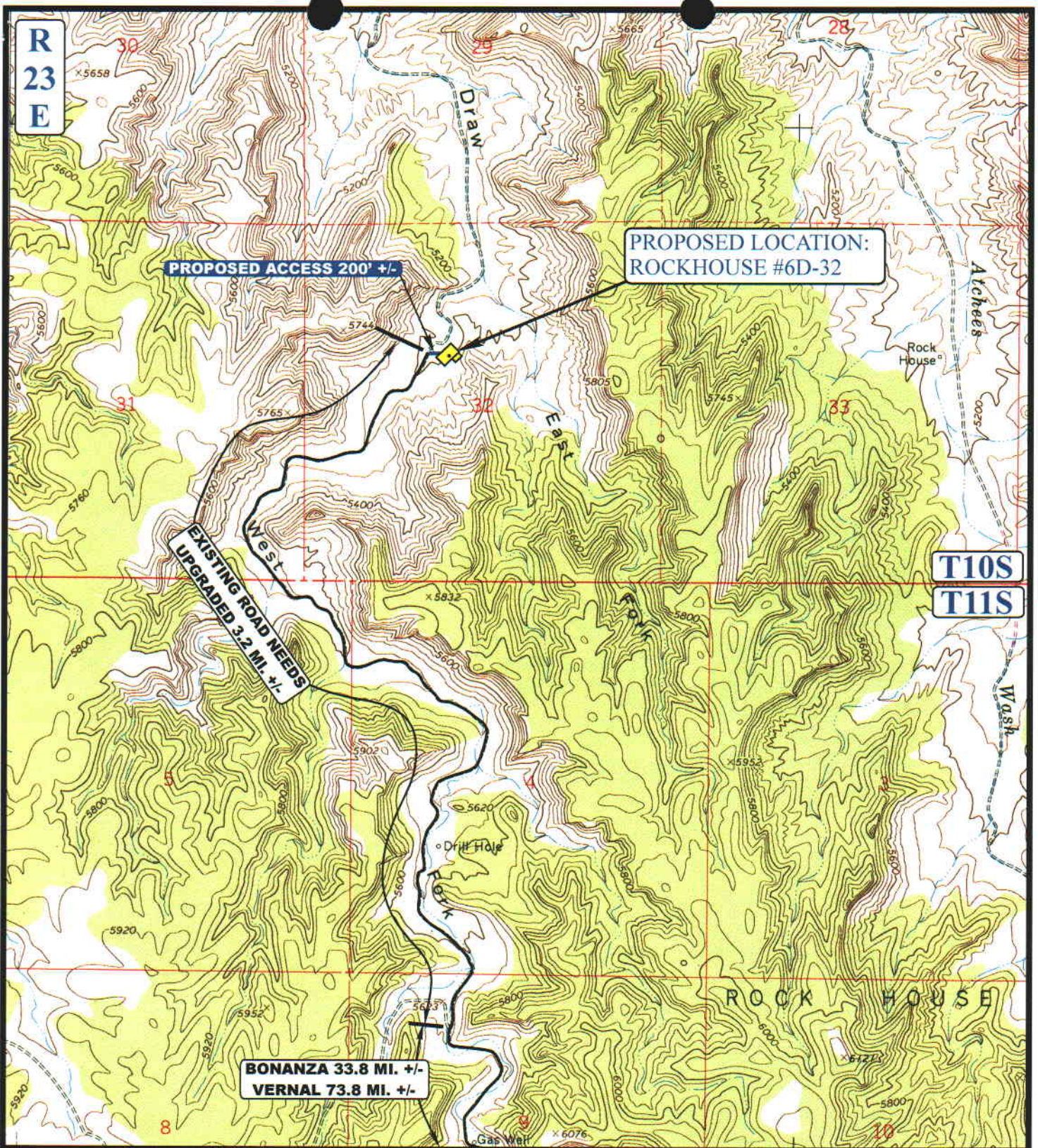
TOPOGRAPHIC  
MAP

5 28 98  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.G. REV: 12-10-03 D.COX







**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**THE HOUSTON EXPLORATION COMPANY**

ROCKHOUSE #6D-32  
SECTION 32, T10S, R23E, S.L.B.&M.  
1938' FNL 2121' FWL



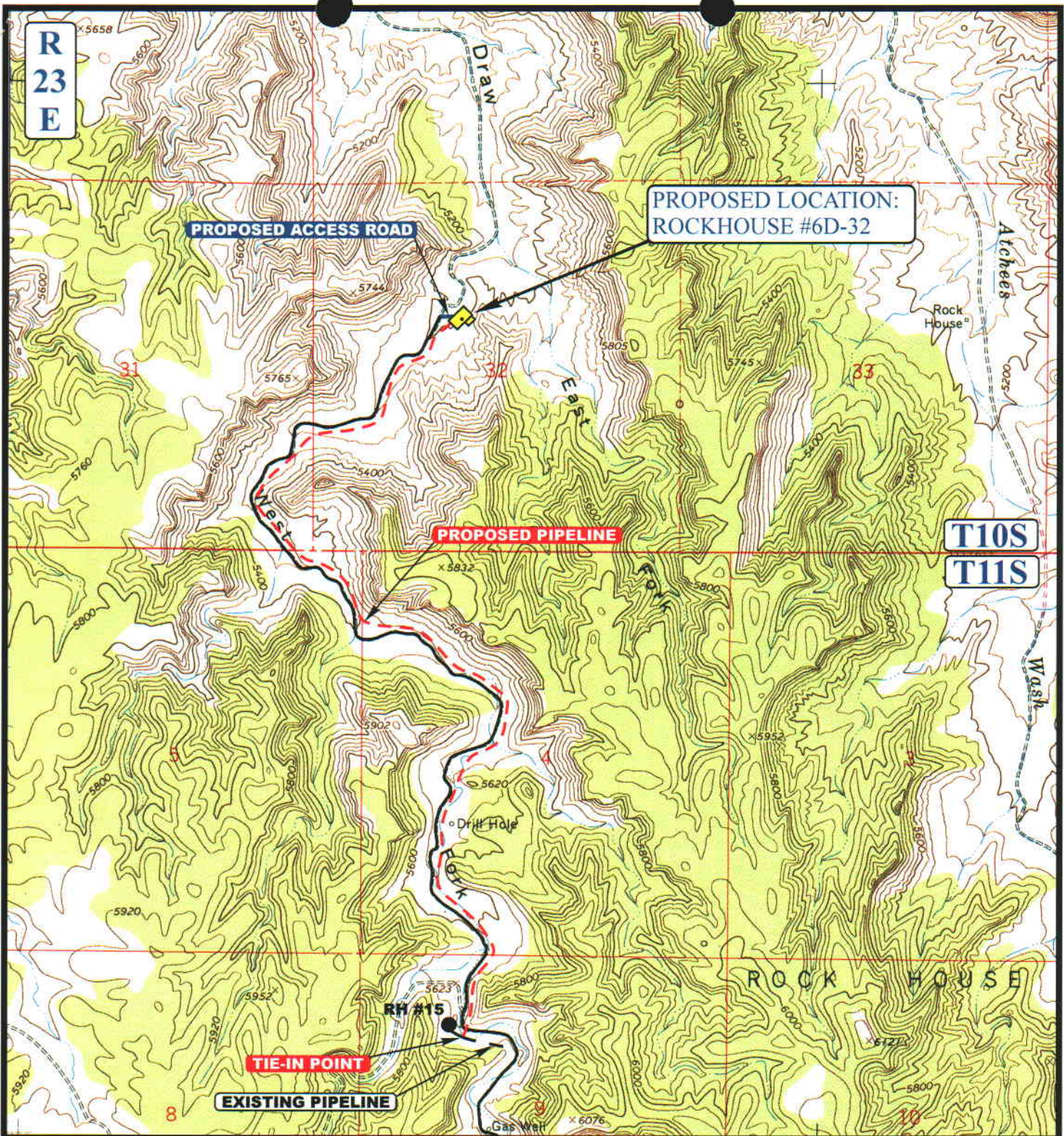
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** **5 28 98**  
**MAP** MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REV: 12-10-03 D.COX

**B**  
TOPO





**APPROXIMATE TOTAL PIPELINE DISTANCE = 16,900' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS



THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #6D-32

SECTION 32, T10S, R23E, S.L.B.&M.

1938' FNL 2121' FWL



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
 MAP**

**5 28 98**  
 MONTH DAY YEAR



SCALE: 1" = 2000'

DRAWN BY: C.G.

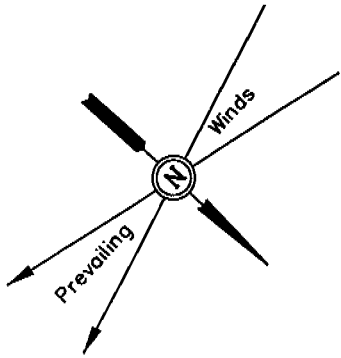
REV: 12-10-03 D.COX



# THE HOUSTON EXPLORATION COMPANY

## LOCATION LAYOUT FOR

ROCKHOUSE #6D-32  
SECTION 32, T10S, R23E, S.L.B.&M.  
1938' FNL 2121' FWL



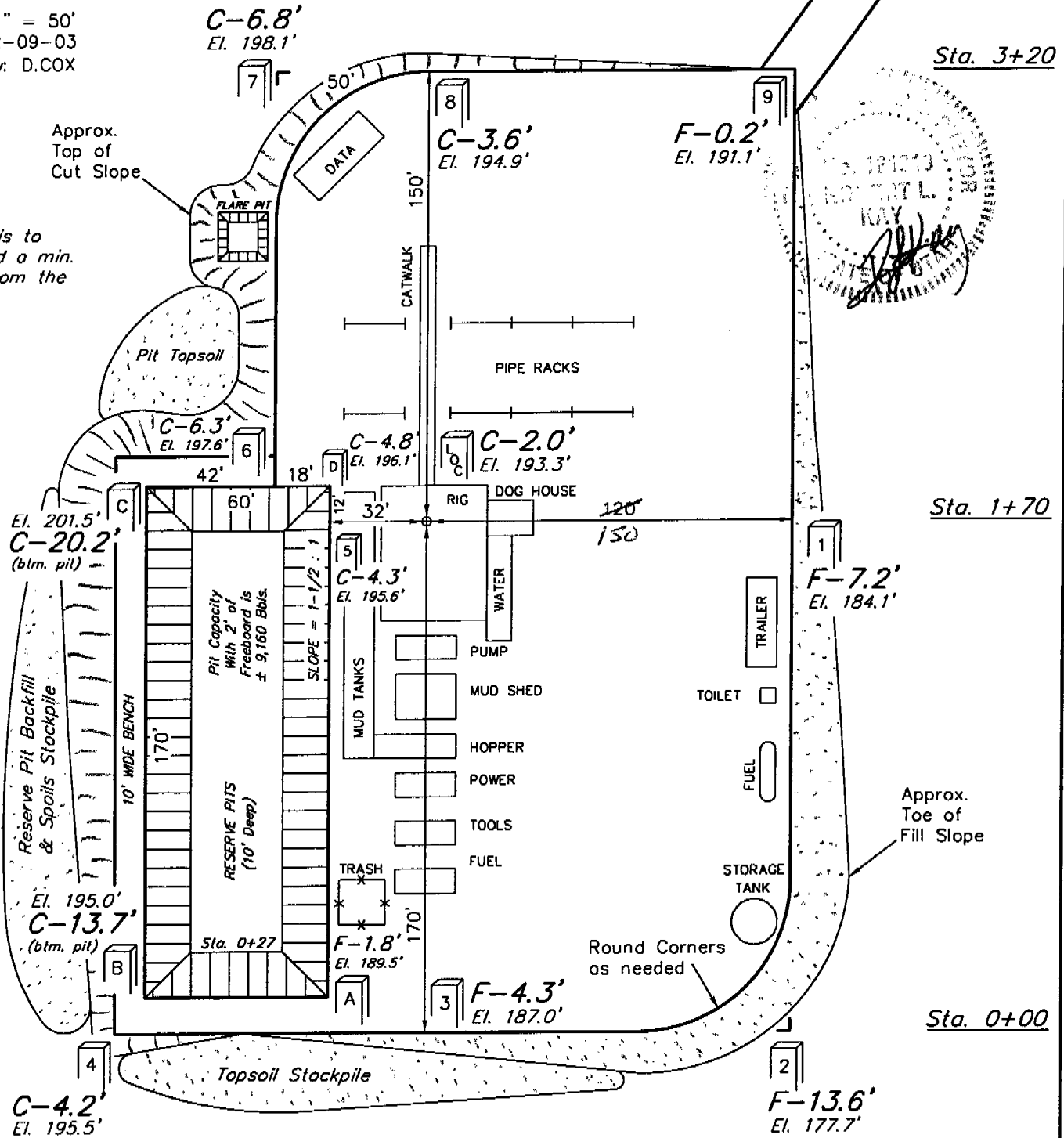
SCALE: 1" = 50'  
DATE: 12-09-03  
Drawn By: D.COX

Proposed Access Road

Sta. 3+20

**NOTE:**

Flare Pit is to be located a min. of 100' from the Well Head.



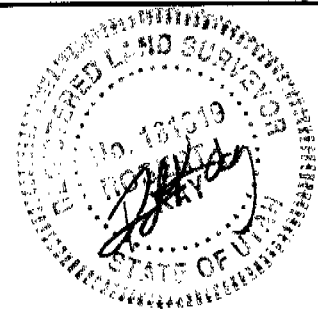
Elev. Ungraded Ground at Location Stake = 5193.3'  
Elev. Graded Ground at Location Stake = 5191.3'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

# THE HOUSTON EXPLORATION COMPANY

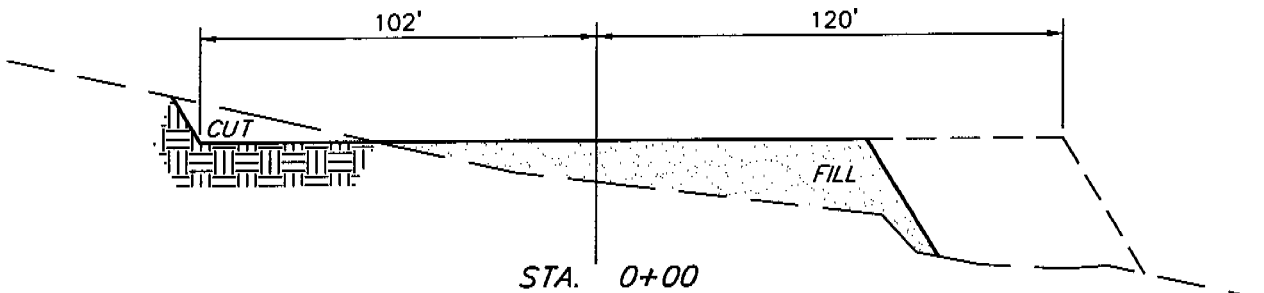
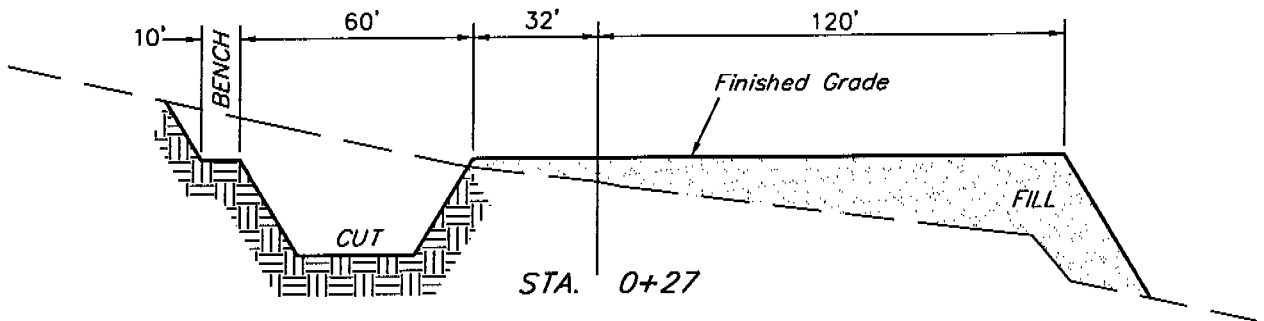
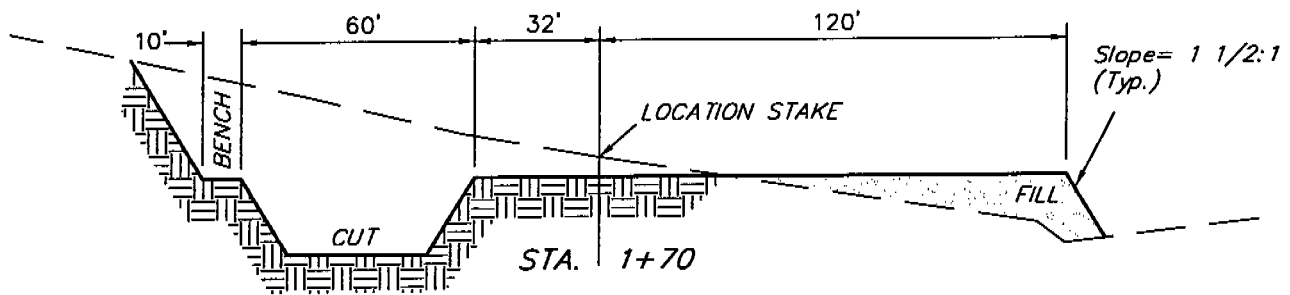
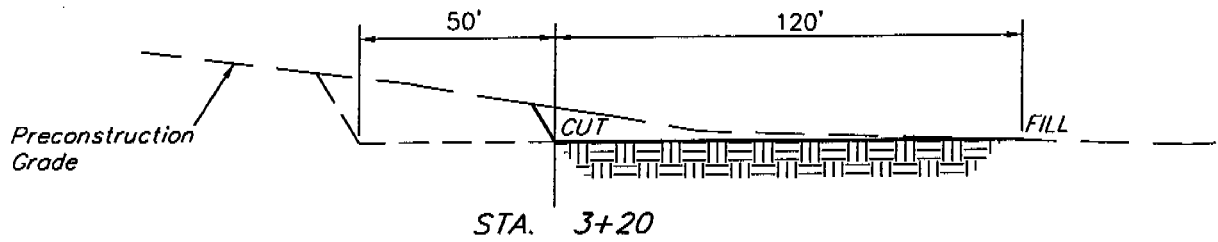
## TYPICAL CROSS SECTIONS FOR

ROCKHOUSE #6D-32  
SECTION 32, T10S, R23E, S.L.B.&M.  
1938' FNL 2121' FWL



1" = 20'  
X-Section Scale  
1" = 50'

DATE: 12-09-03  
Drawn By: D.COX

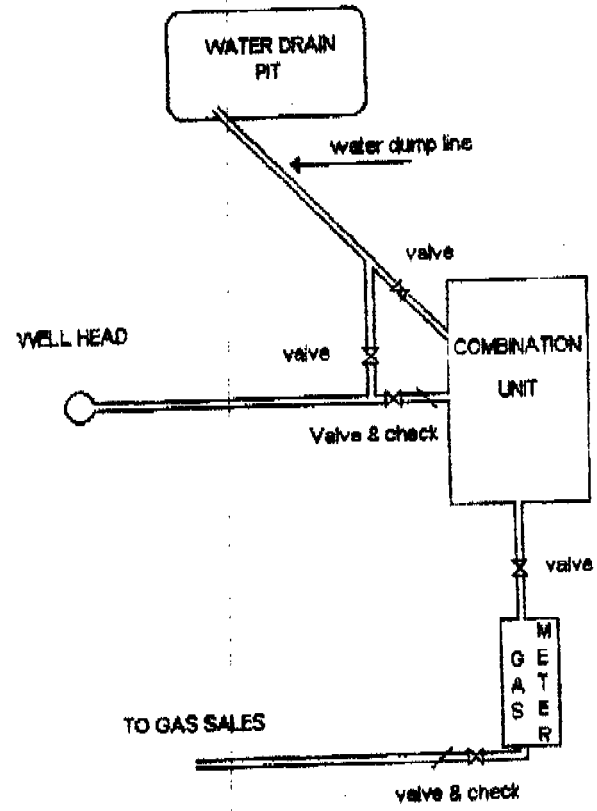


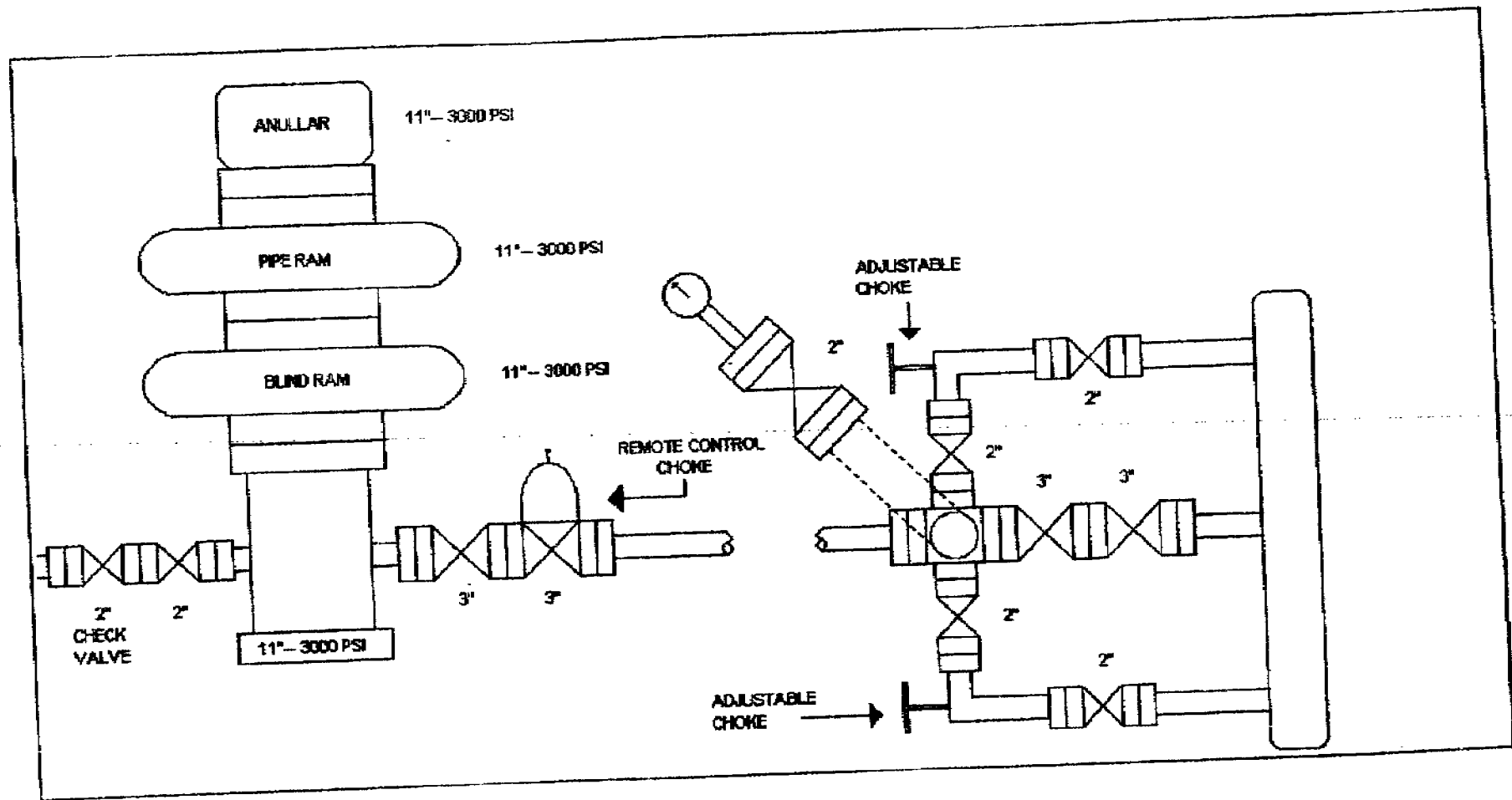
### APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,190 Cu. Yds.  
Remaining Location = 6,920 Cu. Yds.  
**TOTAL CUT = 8,110 CU.YDS.**  
**FILL = 5,330 CU.YDS.**

EXCESS MATERIAL AFTER 5% COMPACTION = 2,500 Cu. Yds.  
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,500 Cu. Yds.  
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

TYPICAL  
GAS WELL





**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

001

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: UT ML-47063	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: THE HOUSTON EXPLORATION COMPANY				9. WELL NAME and NUMBER: ROCK HOUSE 6D-32	
3. ADDRESS OF OPERATOR: 1100 LOUISIANA SUITE CITY HOUSTON STATE TX ZIP 77002-5215			PHONE NUMBER: (713) 830-6973	10. FIELD AND POOL, OR WILDCAT: <i>Natural Buttes</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1938' FNL 2121 FWL SE/NW 4418545 Y 39.90718 640812 X -109.35198 AT PROPOSED PRODUCING ZONE:				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/W 32 10S 23E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:				12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1938		16. NUMBER OF ACRES IN LEASE: 640		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA		19. PROPOSED DEPTH: 8,056		20. BOND DESCRIPTION: BOND # 10455043	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5193'		22. APPROXIMATE DATE WORK WILL START: 2/15/2004		23. ESTIMATED DURATION: 30 DAYS	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	9 5/8	J-55	36	1,500	TO SURFACE		
7 7/8	5 1/2	N-80	17	0-TD	CEMENT TOP TO	SURFACE	CEG.

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) WILLIAM A RYAN *William A Ryan* TITLE AGENT

SIGNATURE \_\_\_\_\_ DATE 1/6/2004

(This space for State use only)

API NUMBER ASSIGNED: 43-047-35409

Approved by the  
Utah Division of  
Oil, Gas and Mining

RECEIVED  
JAN 07 2004

Date: 02-05-04  
By: *[Signature]*  
DIV OF OIL, GAS & MINING

# T10S, R23E, S.L.B.&M.

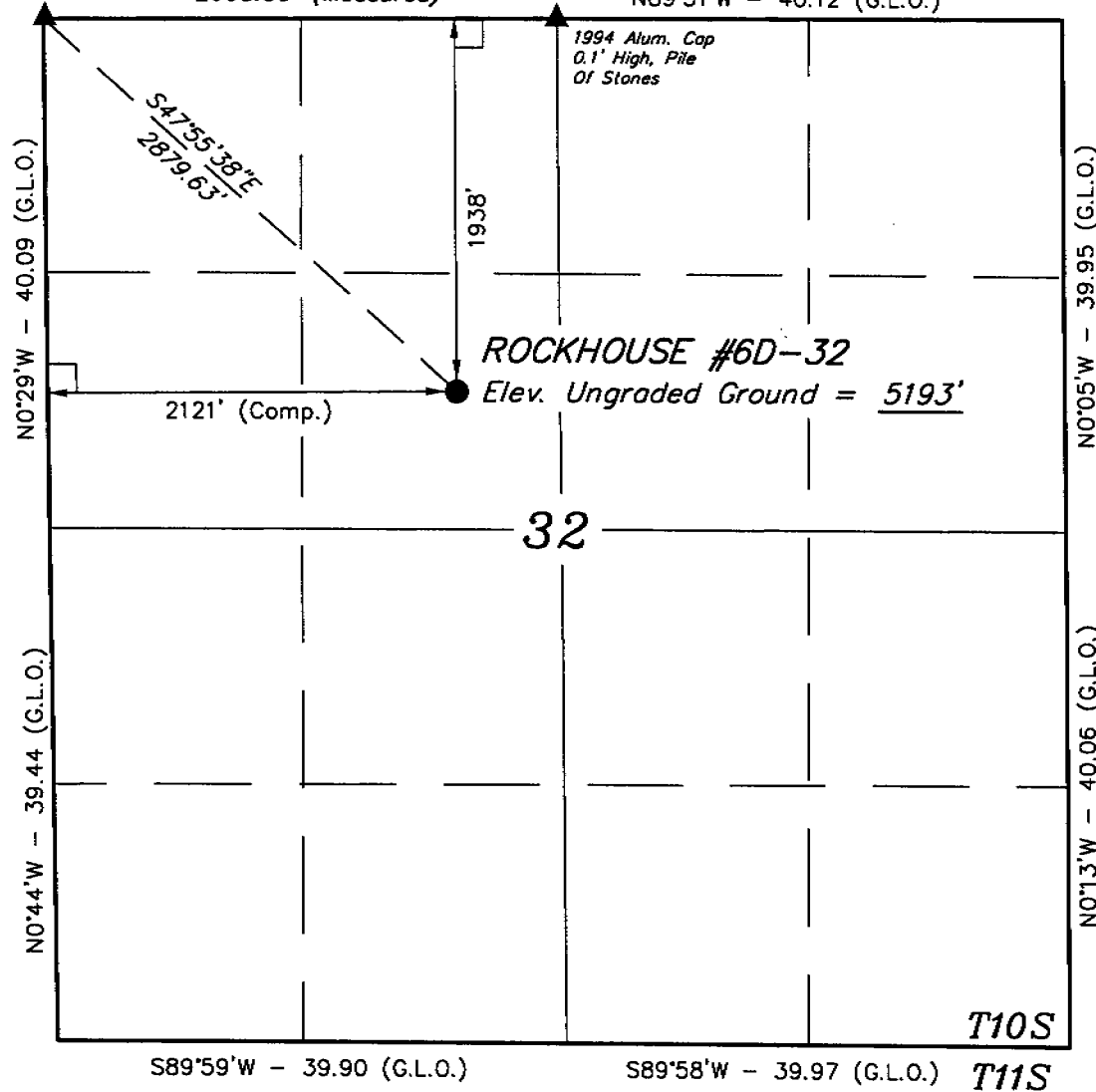
## THE HOUSTON EXPLORATION COMPANY

Well location, ROCKHOUSE #6D-32, located as shown in the SE 1/4 NW 1/4 of Section 32, T10S, R23E, S.L.B.&M. Uintah County, Utah.

1994 Alum. Cap, 0.5' High, Pile Of Stones  
 S89°46'W - G.L.O. (Basis of Bearings)  
 2663.50' (Measured)

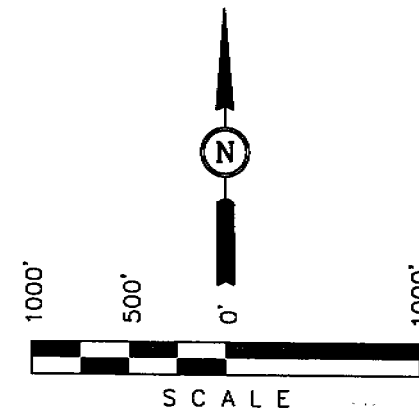
N89°31'W - 40.12 (G.L.O.)

1994 Alum. Cap  
 0.1' High, Pile  
 Of Stones



### BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NW 1/4 OF SECTION 27, T11S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE. QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6366 FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Cox*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 6634  
 STATE OF UTAH

REVISED: 12-09-03 D.COX

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(SCALED NAD 27)  
 LATITUDE = 39°54'26"  
 LONGITUDE = 109°21'06"

SCALE 1" = 1000'	DATE SURVEYED: 05-27-98	DATE DRAWN: 05-29-98
PARTY K.K. J.B. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE THE HOUSTON EXPLORATION COMPANY	



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/07/2004

API NO. ASSIGNED: 43-047-35409

WELL NAME: ROCKHOUSE 6D-32  
OPERATOR: HOUSTON EXPLORATION CO, ( N2525 )  
CONTACT: WILLIAM RYAN

PHONE NUMBER: 713-830-6973

PROPOSED LOCATION:

SENW 32 100S 230E  
SURFACE: 1938 FNL 2121 FWL  
BOTTOM: 1938 FNL 2121 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	2/4/04
Geology		
Surface		

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-47063 *OK*  
SURFACE OWNER: 3 - State

LATITUDE: 39.90718

PROPOSED FORMATION: MNCS

LONGITUDE: 109.35198

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. 10455043 *OK* )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-1595 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (01-21-04)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS

# NATURAL BUTTES FIELD

CAUSE: 179-3

STATE G  
22-32  
ROCK HOUSE  
6D-32

ROCK HOUSE  
11-31

SADDLE TREE  
DRAW 14-31

SADDLE TREE  
DRAW 16-31

# ROCK HOUSE FIELD ROCK HOUSE UNIT

CAUSE: 210-3

ROCKHOUSE U7

CRACKER  
FEDERAL 3

WELLS  
FED 3-1

ACOSTA 1

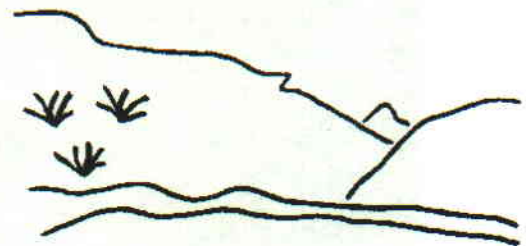
OPERATOR: HOUSTON EXPL CO (N2525)

SEC. 32 T.10S, R.23E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

### Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

### Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

### Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 8-JANUARY-2004

002

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 1/12/04 8:55AM  
**Subject:** Re: The Houston Expl. Co. Lease and Bond numbers

The Houston Exploration Company ML 47063 is OK. Bond No. is 104155043. Your e-mail was missing the number 1 in the fourth place

Well name:

**01-04 Houston Rock House 6D-32**Operator: **Houston Exploration Company**String type: **Surface**

Project ID:

43-047-35049

Location: **Uintah County****Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 96 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 1,128 ft

**Burst**Max anticipated surface  
pressure: 1,320 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,500 psi

No backup mud specified.

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)Tension is based on buoyed weight.  
Neutral point: 1,313 ft

Non-directional string.

**Re subsequent strings:**Next setting depth: 8,056 ft  
Next mud weight: 8.600 ppg  
Next setting BHP: 3,599 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,500 ft  
Injection pressure 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	106.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	654	2020	3.087	1500	3520	2.35	47	394	8.33 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & MiningPhone: 801-538-5280  
FAX: 801-359-3940Date: January 22, 2004  
Salt Lake City, Utah

## Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>01-04 Houston Rock House 6D-32</b>	
Operator:	<b>Houston Exploration Company</b>	Project ID:
String type:	Production	43-047-35049
Location:	Uintah County	

**Design parameters:**

**Collapse**

Mud weight: 8.600 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 2,632 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 3,599 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on buoyed weight.  
 Neutral point: 7,005 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 188 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 7,206 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8056	5.5	17.00	N-80	LT&C	8056	8056	4.767	277.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3599	6290	1.748	3599	7740	2.15	119	348	2.92 J

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining

Phone: 801-538-5280  
 FAX: 801-359-3940

Date: January 22, 2004  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8056 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** THE HOUSTON EXPLORATION COMPANY  
**WELL NAME & NUMBER:** ROCKHOUSE 6D-32  
**API NUMBER:** 43-047-35409  
**LOCATION:** 1/4,1/4 SE/NW Sec: 32 TWP: 10S RNG: 23E 2121' FWL 1938' FNL

**Geology/Ground Water:**

Houston proposes to set 1,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Green River Formation. The Green River Formation is made up of interbedded limestones, shales and sandstones. The proposed casing and cementing program should adequately protect any underground sources of useable water.

**Reviewer:** Brad Hill **Date:** 01-22-04

**Surface:**

The predrill investigation of the surface was performed on 01/20/04. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 01/11/04. Mr. Bartlett was present. He had no concerns regarding the construction of this location or the drilling of the well. SITLA did not have a representative present. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area.

**Reviewer:** David W. Hackford **Date:** 01/21/2004

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** THE HOUSTON EXPLORATION COMPANY  
**WELL NAME & NUMBER:** ROCKHOUSE 6D-32  
**API NUMBER:** 43-047-35409  
**LEASE:** ML-47063 **FIELD/UNIT:** NATURAL BUTTES  
**LOCATION:** 1/4, 1/4 SE/NW Sec: 32 TWP: 10S RNG: 23E 2121' FWL 1938' FNL  
**LEGAL WELL SITING:** 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.  
**GPS COORD (UTM):** 640873E 4418563N **SURFACE OWNER:** STATE OF UTAH

**PARTICIPANTS**

DAVID W. HACKFORD (DOG M). FLOYD BARTLETT (DWR). BILL RYAN, GINGER STRINGHAM (HOUSTON).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS IN THE BOTTOM OF SADDLETREE DRAW, 300' EAST OF THE DRY WATERCOURSE WHICH RUNS DOWN THIS DRAW. THIS DRAW RUNS TO THE NORTH AND ENTERS THE WHITE RIVER 1.4 MILES AWAY. AT THIS POINT, SADDLETREE DRAW HAS A RELATIVELY FLAT BOTTOM APPROX. 600' WIDE WITH STEEP AND RUGGED RIDGES TO THE EAST AND WEST. THE SLOPES OF THESE RIDGES HAVE NUMEROUS SANDSTONE OUTCROPPINGS AND SHEER CLIFFS AND LEDGES.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 320' BY 212'. ACCESS ROAD WILL BE 200 FEET, AND IT WILL BE NECESSARY TO UPGRADE 3.2 MILES OF EXISTING ROAD. THE FIRST 2.7 MILES OF THIS UPGRADE WILL BE ON LAND ADMINISTERED BY THE BLM.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE:  
DEER, ANTELOPE, RODENTS, RAPTORS, SONGBIRDS, BOBCAT, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.  
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION  
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT**

CHARACTERISTICS: 170' BY 60' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE  
REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN**

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY SAGEBRUSH  
ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON  
FILE.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, SUNNY DAY WITH  
SCATTERED SNOW COVER.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

1/21/04, 11:30 AM  
DATE/TIME



**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>0</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**            20            (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





01-04 Houston Rock House 00-32  
Casing Schematic

Green River

Surface

9-5/8"  
MW 8.4  
Frac 19.3

TOC @  
0.  
93' oil shale  
w/ 18% Washout  
TOC @  
504.  
Surface  
1500. MD

$$(.052)(8.6)(8056) = 3602$$

Anticipated < 3000

$$(.12)(8056) = 966$$

$$MAP = 2636$$

$$BOPE = 3600 \text{ proposed}$$

Adequate  
D&D 2/4/04  
2

5-1/2"  
MW 8.6

- 3656 Wasatch
  - 4200 Med Saline
  - 5326 Mesaverde ✓
  - 7841 Castlegate
  - 8096 Mancos
- Production  
8056. MD

**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

5 LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-47063**

**SUNDRY NOTICED AND REPORTS ON WELLS**

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**NA**

Do not use this form for proposals to drill new wells, significant casing setting wells below current bottom-hole depth, rework plugged wells, or to drill horizontal intervals. Use APPLICATION FOR PERMITS TO DRILL form for such proposals.

7 UNIT OR CA AGREEMENT NAME:  
**NA**

1 TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8 WELL NAME AND NUMBER  
**Rock House 6D-32**

2 NAME OF OPERATOR  
**The Houston Exploration Company** PHONE NUMBER **713-830-6800**

9 APE NUMBER:

3 ADDRESS OF OPERATOR  
**1100 Louisiana, Suite 2000, Houston TX 77002-6215**

10 FIELD AND POOL, OR WILDCAT:  
**None**

4 LOCATION OF WELL

COUNTY: **Uintah**

FOOTAGE AT SURFACE:  
**1938' FNL, 2121 FWL**  
 QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN  
**SE1/4 Section 23, T10S, R23E**

STATE: **UTAH**

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT <small>(submit in duplicate)</small>  APPROPRIATE CASE WITH WELL REPORT: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DESPEN	<input type="checkbox"/> REPORT CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT <small>(submit original form only)</small>  DATE OF WORK COMPLETED: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SHEDTRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIRS	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIRS
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMBINGLE PRODUCTION FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Additional info APD</u>
	<input type="checkbox"/> CORRECT WELL TYPE	<input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.

**Operator would like to confer that cmt will be brought to the surface on both the long string and surface csg. An error was made on the cmt volumes reported on the APD.**

**Please see the attached cement program for both the surface and long string.**

**If you require additional information please feel free to contact me.**

**Bill Ryan**  
**435-789-0968**  
**435-828-0968**

NAME (PLEASE PRINT) William A. Ryan TITLE Agent  
 SIGNATURE *William A. Ryan* DATE 2/3/2004  
(This space for State use only)

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Surface Csg

Cmt for Rock House 6D-32

**JOB AT A GLANCE**

Depth (TVD)	1,500 ft
Depth (MD)	1,500 ft
Hole Size	12.25 in
Casing Size/Weight :	9 5/8 in, 32.3 lbs/ft
Pump Via	9 5/8" O.D. (9.001" I.D) 32.3
Total Mix Water Required	3,953 gals
<b>Spacer</b>	
Dye Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Water Spacer	10 bbls
Density	8.3 ppg
<b>Cement Slurry</b>	
Class G + 2% CaCl	582 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
<b>Displacement</b>	
Displacement Fluid	91 bbls
Density	8.3 ppg
<b>Top-Out Slurry</b>	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
<b>Top-Out Slurry</b>	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

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**WELL DATA**

**ANNULAR GEOMETRY**

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.275 CASING	80	80
12.250 HOLE	1,500	1,500

**SUSPENDED PIPES**

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.625	9.001	32.3	1,500	1,500

Float Collar set @ 1,460 ft  
Mud Density 8.34 ppg  
Mud Type Water Based  
Est. Static Temp. 99 ° F  
Est. Circ. Temp. 82 ° F

**VOLUME CALCULATIONS**

80 ft x 0.3165 cf/ft with 0 % excess = 25.3 cf  
1,420 ft x 0.3132 cf/ft with 60 % excess = 711.6 cf  
40 ft x 0.4419 cf/ft with 0 % excess = 17.7 cf (inside pipe)  
**TOTAL SLURRY VOLUME = 7542.6 cf**  
= 108 bbls

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**FLUID SPECIFICATIONS**

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg  
 Spacer 10.0 bbls Gelled Water Spacer + 200 lbs Bentonite - Sacked @ 8.34 ppg  
 Spacer 10.0 bbls Water Spacer @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Cement Slurry	711 /	1.2	= 592 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement			91.3 bbls Displacement Fluid @ 8.34 ppg
Top-Out Slurry	59 /	1.18	= 50 sacks Class G Cement
Top-Out Slurry	236 /	1.18	= 200 sacks Class G Cement

**CEMENT PROPERTIES**

	<b>SLURRY NO. 1</b>	<b>SLURRY NO. 2</b>	<b>SLURRY NO. 3</b>
Slurry Weight (ppg)	15.60	15.60	15.60
Slurry Yield (cf/sack)	1.20	1.18	1.18
Amount of Mix Water (gps)	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)	1:30		

NOTE: If loss circulation is observed during drilling, the above schedule will be followed. If losses are not observed, follow the schedule in Proposal #286150589.

Bring 600# of Ca Cl on the side for Top-Out.

Run 20 gals of Sodium Silicate ahead of Top-Out Slurry (#1).

Continue to top out until Cement has surfaced.

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**JOB AT A GLANCE**

<b>Depth (TVD)</b>	1,500 ft
<b>Depth (MD)</b>	1,500 ft
<b>Hole Size</b>	12.25 in
<b>Casing Size/Weight :</b>	9 5/8 in, 32.3 lbs/ft
<b>Pump Via</b>	9 5/8" O.D. (9.001" I.D) 32.3
<b>Total Mix Water Required</b>	4,471 gals

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---

**JOB AT A GLANCE (Continued)**

<b>Spacer</b>	
Dye Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Water Spacer	10 bbls
Density	8.3 ppg
<b>1st Lead Slurry</b>	
Premium Lite II	142 sacks
Density	11.0 ppg
Yield	3.38 cf/sack
<b>Cement Slurry</b>	
Class G + 2% CaCl	212 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
<b>Displacement</b>	
Displacement Fluid	91 bbls
Density	8.3 ppg
<b>Top-Out Slurry</b>	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
<b>Top-Out Slurry</b>	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

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**WELL DATA**

**ANNULAR GEOMETRY**

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.275 CASING	80	80
12.250 HOLE	1,500	1,500

**SUSPENDED PIPES**

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.825	9.001	32.3	1,500	1,500

Float Collar set @	1,480 ft
Mud Density	8.34 ppg
Mud Type	Water Based
Est. Static Temp.	99 ° F
Est. Circ. Temp.	82 ° F

**VOLUME CALCULATIONS**

40 ft	x	0.3165 cf/ft	with	0 % excess	=	12.8 cf
960 ft	x	0.3132 cf/ft	with	60 % excess	=	481.9 cf
472 ft	x	0.3132 cf/ft	with	60 % excess	=	236.3 cf
40 ft	x	0.4419 cf/ft	with	0 % excess	=	17.7 cf (inside pipe)
<b>TOTAL SLURRY VOLUME</b>					=	591.6 cf
					=	105 bbls

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**FLUID SPECIFICATIONS**

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg  
 Spacer 10.0 bbls Gelled Water Spacer + 200 lbs Bentonite - Sacked @ 8.34 ppg  
 Spacer 10.0 bbls Water Spacer @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1st Lead Slurry	481 /	3.38	= 142 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3% bwoc Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gpc FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 198.7% Fresh Water
Cement Slurry	254 /	1.2	= 212 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement			91.3 bbls Displacement Fluid @ 8.34 ppg
Top-Out Slurry	59 /	1.18	= 50 sacks Class G Cement
Top-Out Slurry	236 /	1.18	= 200 sacks Class G Cement

**CEMENT PROPERTIES**

	<u>SLURRY NO. 1</u>	<u>SLURRY NO. 2</u>	<u>SLURRY NO. 3</u>	<u>SLURRY NO. 4</u>
Slurry Weight (ppg)	11.00	15.60	15.60	15.60
Slurry Yield (cf/sack)	3.38	1.20	1.18	1.18
Amount of Mix Water (gps)	20.52	5.24	5.23	5.23
Amount of Mix Fluid (gps)	20.52	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)		1:30		

NOTE: If loss circulation is not observed during drilling, the above schedule will be followed. If losses are observed, follow the schedule in Proposal #100182870.

Bring 600# of CaCl<sub>2</sub> on the side for Top-Out.

Run 20 gals of Sodium Silicate ahead of Top-Out Slurry (#1).

Continue to top out until Cement has surfaced.

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Page 8



Long String

Cut for Rock House 6D-32.

---

**JOB AT A GLANCE**

Depth (TVD)	8056 ft
Depth (MD)	8056 ft
Hole Size	7 7/8 in
Casing Size/Weight :	5 1/2 in, 17 lbs/ft
Pump Via	6 1/5" O.D. (4.892" I.D) 17 #
Total Mix Water Required	9598 gals

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**JOB AT A GLANCE (Continued)**

<b>Spacer</b>	
Dye Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Gelled Water Spacer	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
Water Spacer	10 bbls
Density	8.3 ppg
<b>1st Lead Slurry</b>	
Premium Lite II	281 sacks
Density	11.0 ppg
Yield	3.38 cf/sack
<b>Cement Slurry</b>	
Class G + 2% CaCl	734 sacks
Density	15.6 ppg
Yield	1.20 cf/sack
<b>Displacement</b>	
Displacement Fluid	180.7 bbls
Density	9.2 ppg
<b>Top-Out Slurry</b>	
Top-Out Slurry #1 - Class G	50 sacks
Density	15.6 ppg
Yield	1.18 cf/sack
<b>Top-Out Slurry</b>	
Top-Out Slurry #2 - G + 3%	200 sacks
Density	15.6 ppg
Yield	1.18 cf/sack

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**WELL DATA**

**ANNULAR GEOMETRY**

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.921 CASING	1500	1500
7.875 HOLE	8056	8056

**SUSPENDED PIPES**

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.5	4.892	17	8056	8056

**Float Collar set @** 8016 ft  
**Mud Density** 9.2 ppg  
**Mud Type** Water Based  
**Est. Static Temp.** 140 ° F  
**Est. Circ. Temp.** 120 ° F

**VOLUME CALCULATIONS**

1500 ft x 0.2691 cf/ft with 0 % excess = 404 cf  
 2500 ft x 0.1679 cf/ft with 30 % excess = 548 cf  
 4016 ft x 0.1679 cf/ft with 30 % excess = 876 cf  
 40 ft x 0.1305 cf/ft with 0 % excess = 5 cf (inside pipe)  
**TOTAL SLURRY VOLUME = 1831 cf**  
 = 327 bbls

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**FLUID SPECIFICATIONS**

Spacer 10.0 bbls Dye Water Spacer @ 8.34 ppg  
 Spacer 10.0 bbls Gelled Water Spacer + 200 lbs Bentonite - Sacked @ 8.34 ppg  
 Spacer 10.0 bbls Water Spacer @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1st Lead Slurry	950	/ 3.38	= 281 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 196.7% Fresh Water
Cement Slurry	881	/ 1.2	= 734 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 46.5% Fresh Water
Displacement			190.7 bbls Displacement Fluid @ 9.2 ppg
Top-Out Slurry	59	/ 1.18	= 50 sacks Class G Cement
Top-Out Slurry	236	/ 1.18	= 200 sacks Class G Cement

**CEMENT PROPERTIES**

	<b>SLURRY NO. 1</b>	<b>SLURRY NO. 2</b>	<b>SLURRY NO. 3</b>	<b>SLURRY NO. 4</b>
Slurry Weight (ppg)	11.00	15.60	15.60	15.60
Slurry Yield (cf/sack)	3.38	1.20	1.18	1.18
Amount of Mix Water (gps)	20.52	6.24	5.23	5.23
Amount of Mix Fluid (gps)	20.52	5.24	5.23	5.23
Estimated Pumping Time - 70 BC (HH:MM)		1:30		

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DIV. OF OIL, GAS & MINING





Office 435-789-0968

Fax 801-359-3940

Cell 435-828-0968

**Klint Deworshack**

Kint I'm sorry this has taken so long to get back to you.

As we talked I'm also attaching a request to change the access road alignment on the Southman Canyon 6D-36.

If you have any additional questions please feel free to give me a call

**Bill**

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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICED AND REPORTS ON WELLS**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL NEW WELLS, SIGNIFICANT DEEPEN OR DRILLING VARIOUS DEPTHS, REENTER ABANDONED WELLS, OR TO OBTAIN PRODUCTION RIGHTS. USE APPLICATION FOR PERMITS TO DRILL FORM FOR SUCH PURPOSES.

		6 LEASE DESIGNATION AND SERIAL NUMBER: <b>ML 47782</b>
		6 IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7 UNIT OR CA AGREEMENT NAME: <b>NA</b>
1 TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8 WELL NAME AND NUMBER: <b>Southman Canyon 6D-32</b>
2 NAME OF OPERATOR <b>The Houston Exploration Company</b>		9 APE NUMBER: <b>43-047-35362</b>
3 ADDRESS OF OPERATOR <b>1100 Louisiana, Suite 2000, Houston TX 77002-6216</b>		10 FIELD AND POOL, OR WILDCAT: <b>None</b>
4 LOCATION OF WELL		COUNTY: <b>Uintah</b>
FOOTAGE AT SURFACE: <b>2466' FNL, 2271' FWL</b>		STATE: <b>UTAH</b>
O.T.R. SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENW, Sec. 36, T9S, R23E</b>		

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT <small>(prepared in duplicate)</small>  REQUISITE TIME WITH THE STATE: <b>ASAP</b>	<input type="checkbox"/> ACIDISE	<input type="checkbox"/> ASPHEN	<input type="checkbox"/> REPORT CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT <small>(same original form only)</small>  LEAS. OR WORK CONTINUIT.	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> BACKTRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIRS	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIRS
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMBUSTIBLE PRODUCTION FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.

**Operator proposes changing the access road location. After construction started on the access road above and below a switch back it became apparent that the switch back would be to tight a turn for tankers and water trucks. No construction has been performed on the switch back and all area proposed for disturbance by the realignment would be inside of the archeological surveyed area.**

**Please see the attached map for additional details.**

**If you require additional information please contact Bill Ryan (435-828-0968)**

NAME (PLEASE PRINT)	<b>William A. Ryan</b>	TITLE	<b>Agent</b>
SIGNATURE	<i>William A. Ryan</i>	DATE	<b>2/3/2004</b>

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Office 435-789-0968

Fax # 801-359-3940

Cell 435-828-0968

**Klint Deworshack**

Kint I'm sorry this has taken so long to get back to you.

As we talked I'm also attaching a request to change the access road alignment on the Southman Canyon 6D-36.

If you have any additional questions please feel free to give me a call

**Bill**

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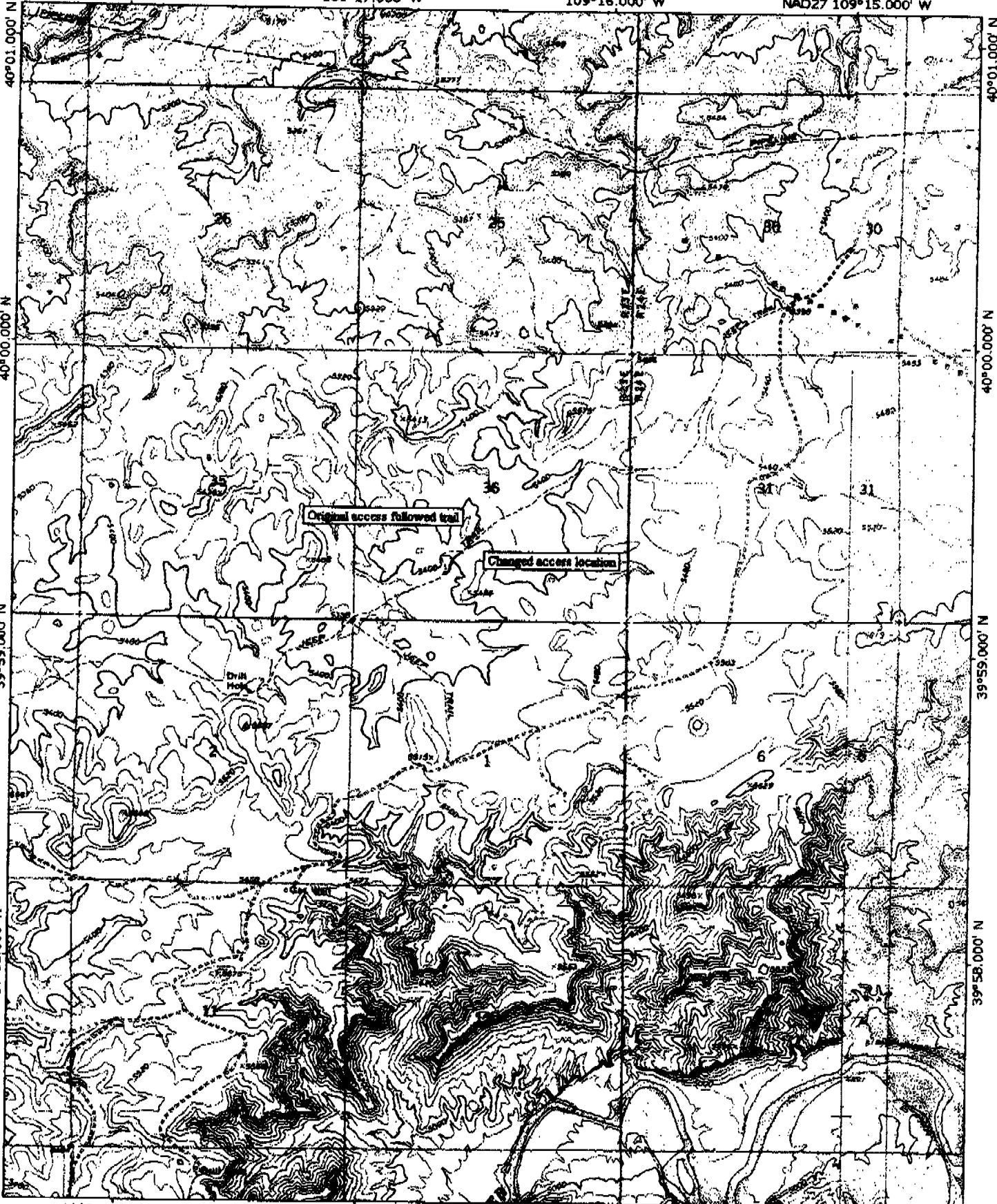
DIV. OF OIL, GAS & MINING

109°18.000' W

109°17.000' W

109°16.000' W

NAD27 109°15.000' W



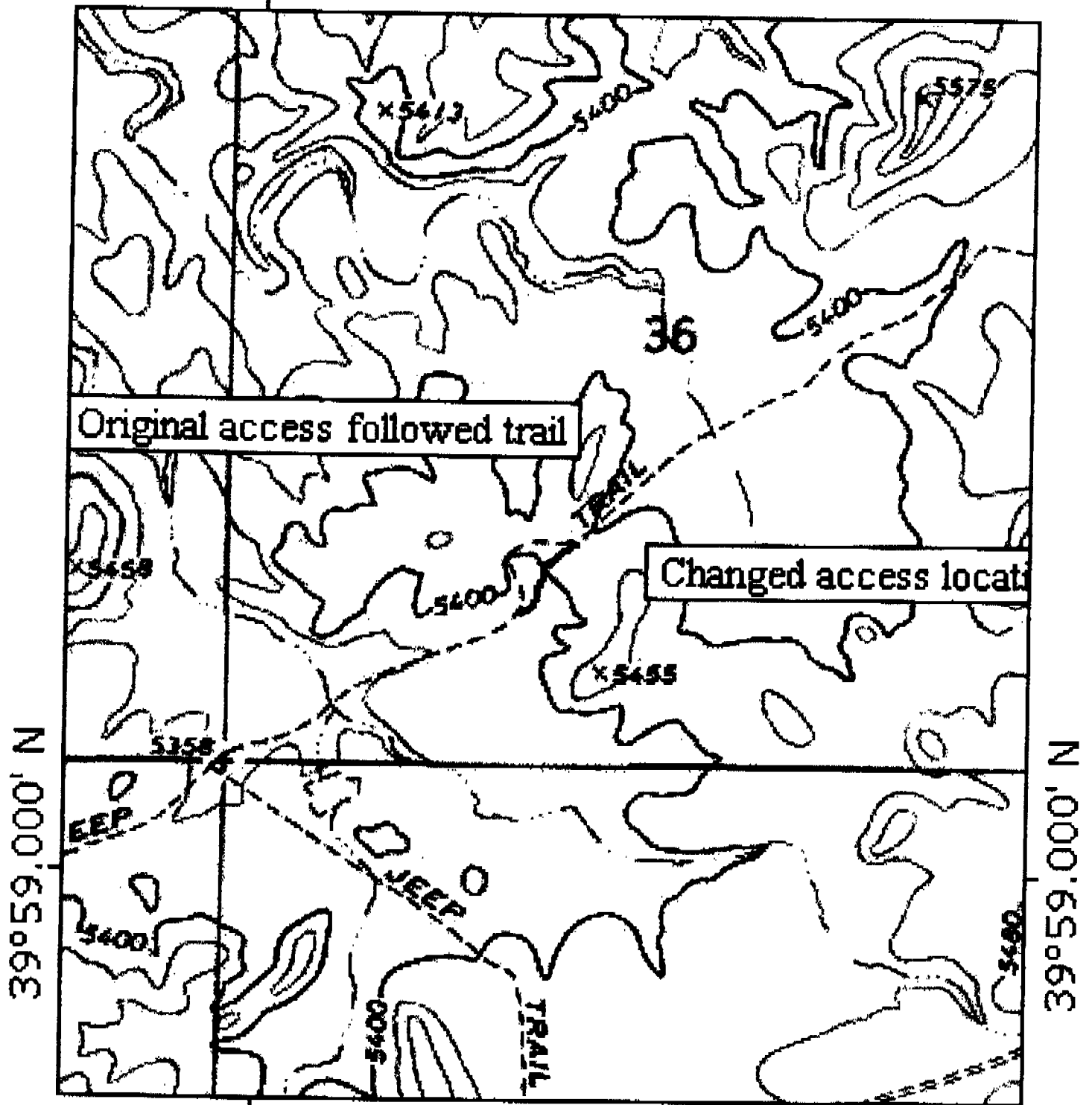
Original access followed trail

Changed access location

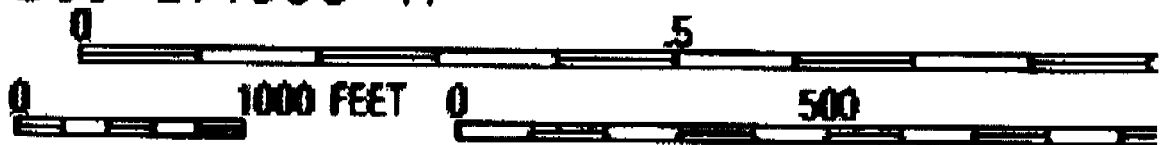
TN 12



nted on 02/03/04 from "THEX sec 36 road.tpo" and  
NAD27 109°17.000' W



TN \* MN  
12°



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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICED AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significant deeper existing wells below current bottom-hole depths, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMITS TO DRILL form for such proposals

<b>1 TYPE OF WELL</b>		<b>5 LEASE DESIGNATION AND SERIAL NUMBER:</b> <b>ML 47782</b>
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		<b>6 IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> <b>NA</b>
<b>2 NAME OF OPERATOR</b> <b>The Houston Exploration Company</b>		<b>7 UNIT OR CA AGREEMENT NAME</b> <b>NA</b>
PHONE NUMBER <b>713-830-8800</b>		<b>8 WELL NAME AND NUMBER</b> <b>Southman Canyon 6D-32 36</b>
<b>3 ADDRESS OF OPERATOR</b> <b>1100 Louisiana, Suite 2000, Houston TX 77002-5215</b>		<b>9 APE NUMBER:</b> <b>43-047-35362</b>
<b>4 LOCATION OF WELL</b>		<b>10 FIELD AND POOL, OR WILDCAT:</b> <b>None</b>

FOOTAGE AT SURFACE:  
**2468' FNL, 2271' FWL**  
 QTRQTR, SECTION, TOWNSHIP, RANGE, MERIDIAN  
**SEW, Sec. 36, T9S, R23E**

COUNTY: **Uintah**  
 STATE: **UTAH**

**11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> <small>(Submit in Duplicate)</small>  <small>Supplemental data must use form:</small> <u><b>ABAP</b></u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPORT CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIRS	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIRS
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMBIBLE PRODUCTION FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> <small>(Submit Original Form Only)</small>  <small>USE OF WORK COMPLETION:</small> _____		

**12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS: Clearly show all pertinent details including dates, depths, volumes, etc.**

**Operator proposes changing the access road location. After construction started on the access road above and below a switch back it became apparent that the switch back would be to tight a turn for tankers and water trucks. No construction has been performed on the switch back and all area proposed for disturbance by the realignment would be inside of the archeological surveyed area.**

**Please see the attached map for additional details.**

**If you require additional information please contact Bill Ryan (435-628-0968)**

NAME (PLEASE PRINT) <b>William A. Ryan</b>	TITLE <b>Agent</b>
SIGNATURE <i>William A. Ryan</i>	DATE <b>2/3/2004</b>

(This space for State use only)



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

February 5, 2004

Houston Exploration Company  
1100 Louisiana. Ste. 2000  
Houston, TX 77002-5215

Re: Rockhouse 6D-32 Well, 1938' FNL, 2121' FWL, SE NW, Sec. 32, T. 10 South,  
R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35409.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
SITLA

Operator: Houston Exploration Company

Well Name & Number Rockhouse 6D-32

API Number: 43-047-35409

Lease: UT ML-47063

Location: SE NW                      Sec. 32                      T. 10 South                      R. 23 East

### Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)



6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**DIVISION OF OIL, GAS AND MINING****SPUDDING INFORMATION**Name of Company: THE HOUSTON EXPLORATION COMPANYWell Name: ROCK HOUSE 6D-32Api No: 43-047-35409 Lease Type: STATESection 32 Township 10S Range 23E County UINTAHDrilling Contractor PETE MARTIN RIG # BUCKET**SPUDDED:**Date 08/25/04Time 12:00 NOONHow DRY**Drilling will commence:** \_\_\_\_\_Reported by BRENT STUBBSTelephone # 1-435-828-8100Date 08/26/2004 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

007

ENTITY ACTION FORM

Operator: The Houston Exploration Company Operator Account Number: N 2525  
Address: 1100 Louisiana, Suite 2000  
city Houston  
state TX zip 77002 Phone Number: (713) 830-6800

Well 1

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35771	Southman Canyon 8C-36	SENE	36	9S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14292	8/19/04	9/9/04		
Comments: <u>MNCS</u>						

K

Well 2

API Number	Well Name	QC	Sec	Twp	Rng	County
43047-35409	RackHouse 6D-32	SENW	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14293	8/25/04	9/9/04		
Comments: <u>MNCS</u>						

K

Well 3

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35762	RackHouse 12D-32	NWSW	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14294	8/24/05	9/9/04		
Comments: <u>CSLGT</u>						

K

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Theresa Overturf  
Name (Please Print)  
Theresa Overturf  
Signature  
Engineering Technician 9/1/04  
Title Date

RECEIVED

SEP 01 2004

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

008

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UT ML 47063

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
Rock House 6D-32

2. NAME OF OPERATOR:  
The Houston Exploration Company

9. API NUMBER: 409  
4304735622

3. ADDRESS OF OPERATOR:  
1100 Louisiana, Ste 2000 Houston TX 77002  
STATE ZIP

PHONE NUMBER:  
(713) 830-6938

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1938' FNL, 2121' FWL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Drlg.</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
9/1/04 - 9/30/04 Spud 9/12/04 & drld to 2190'. Ran 8 5/8" csg, set @ 2162', cmtd.

NAME (PLEASE PRINT) Theresa Overturf TITLE Engineering Technician  
SIGNATURE Theresa Overturf DATE 9/4/2004

(This space for State use only)

**RECEIVED**  
**OCT 06 2004**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

009

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ML 47063
2. NAME OF OPERATOR: The Houston Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL, 2121' FWL		8. WELL NAME and NUMBER: Rock House 6D-32
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E		9. API NUMBER: 4304735622 35409
PHONE NUMBER: (713) 830-6938		10. FIELD AND POOL, OR WILDCAT:
COUNTY: Uintah		
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
10/1/04-10/31/04 Drld 2190'-7520'. Ran 4 1/2" csg to 7505' & cmted. Perf 6691'-6844' & frac w/ 154,500# 20/40 sd.

RECEIVED  
NOV 12 2004  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf	TITLE Engineering Technician
SIGNATURE <i>Theresa Overturf</i>	DATE 11/8/04

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER CONFIDENTIAL

2. NAME OF OPERATOR  
The Houston Exploration Company

3. ADDRESS OF OPERATOR:  
1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 830-6938

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Please hold all information on the following wells confidential:

Rock House 2D-32  
Rock House 2D-36  
Rock House 6D-32 - T.10S, R.23E, S.32, 43-047-35409  
Rock House 10D-32  
Rock House 12D-32  
Bonanza 4D-16

RECEIVED

JAN 11 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf TITLE Engineering Technician

SIGNATURE *Theresa Overturf* DATE 1/11/2005

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT  FORM 8  
(highlight changes)

011

5. LEASE DESIGNATION AND SERIAL NUMBER:

UT ML 47063

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER

CONFIDENTIAL

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

Rock House 6D-32

2. NAME OF OPERATOR:  
The Houston Exploration Company

9. API NUMBER:

43-047-35409

3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002

PHONE NUMBER:

713-830-6938

10. FIELD AND POOL, OR WILDCAT

Wildcat

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1938' FNL & 2121' FWL  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
AT TOTAL DEPTH:

11. QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

SWNW Sec. 32, T10S, R23E

12. COUNTY

Uintah

13. STATE

UTAH

14. DATE SPUDDED: 10/3/04  
15. DATE T.D. REACHED: 10/8/04  
16. DATE COMPLETED: 11/19/04

ABANDONED

READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):

5191.3' GL

18. TOTAL DEPTH: MD 7520' TVD  
19. PLUG BACK T.D.: MD 7460' TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
Platform Express / TRIPLE COMBO / GR  
CALCU / GR, ML

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
16"	13 3/8"	48#	Surface	84'		70 sx Red mix		Surface	
11"	8 5/8"	24#	Surface	2162'		530sx Premium		Surface	
7 7/8"	4 1/2"	11.60#	Surface	7505'		113 sx Prem Lt		2390'	
						1075 sx CIG	306.7		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6855'							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	4886'	5082'			4886'-5082'		75	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Mesaverde	6412'	6581'			6412'-6581'		192	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Mesaverde	6691'	6844'			6691'-6844'		138	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6412'-6581'	173,500# 20/40 sd
6691'-6844'	154,500# 20/40 sd

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JAN 28 2005

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 OTHER:  
 DIRECTIONAL SURVEY

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A-C

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/25/04	TEST DATE: 11/29/04	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2073	WATER - BBL: 0	PROD. METHOD: Flow
CHOKE SIZE: 13.5	TBG. PRESS. 1600	CSG. PRESS. 1925	API GRAVITY 1.159	BTU - GAS 1159	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PGW

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Uteland Buttes	3162'
				Wasatch	3242'
				Mesaverde	5062'
				Sego	7284'
				Buck Tongue	7412'

35. ADDITIONAL REMARKS (Include plugging procedure)

PLEASE KEEP WELL INFORMATION CONFIDENTIAL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Lloyd Bruce TITLE Senior Production Engineer  
 SIGNATURE *Lloyd Bruce* DATE 1/13/05

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940



012

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UT ML 47063

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

~~CONFIDENTIAL~~

8. WELL NAME and NUMBER:  
Rock House 6D-32

2. NAME OF OPERATOR:

The Houston Exploration Company

9. API NUMBER:

4304735409

3. ADDRESS OF OPERATOR:

1100 Louisiana, Ste 2000  
CITY Houston

STATE TX ZIP 77002

PHONE NUMBER:

(713) 830-6938

10. FIELD AND POOL, OR WILDCAT:

Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1938' FNL & 2121' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 23E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well producing 11/25/04.

RECEIVED

JAN 28 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE

*Theresa Overturf*

DATE 1/24/2005

(This space for State use only)

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-47063**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**Rock House 6D-32**

2. NAME OF OPERATOR:  
**The Houston Exploration Company**

9. API NUMBER:  
**4304735409**

3. ADDRESS OF OPERATOR:  
**1100 Louisiana Suite 2000** CITY **Houston** STATE **TX** ZIP **77002** PHONE NUMBER: **(713) 830-6800**

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1938' FNL & 2121' FWL** COUNTY: **Uintah**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SENW 32 10S 23E** STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator proposes to dewater the reserve pit on the subject well. Application for Permit to Drill approved trucking and disposal of produced and drilling fluids. Operator proposes to evaporate instead of trucking the water in the reserve pit to facilitate closing and reclamation of the reserve pit. Operator proposes to use a pumping system for evaporation.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**  
**MAY 24 2005**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) William A Ryan TITLE Agent  
SIGNATURE *William A Ryan* DATE 5/19/2005

(This space for State use only)

**Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET**

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

Change of Operator (Well Sold)

**X - Operator Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2007**

<b>FROM:</b> (Old Operator): N2525 - The Houston Exploration Company 1100 Louisiana, Suite 2000 Houston, TX 77002 Phone: 1-(713) 830-6800	<b>TO:</b> ( New Operator): N6965-Forest Oil Corporation 707 17th St, Suite 3600 Denver, CO 80202 Phone: 1 (303) 812-1755
---	---

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/30/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/30/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 7/31/2007
- 4a. Is the new operator registered in the State of Utah: Business Number: 571171-0143
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: \_\_\_\_\_
- 5c. Reports current for Production/Disposition & Sundries on: YES
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 7/31/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/31/2007
- Bond information entered in RBDMS on: 7/31/2007
- Fee/State wells attached to bond in RBDMS on: 7/31/2007
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: pending

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 6236351
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6218963
- 3b. The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/1/2007

**COMMENTS:**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See Attached List**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**See Attached List**

2. NAME OF OPERATOR:  
Forest Oil Corporation *N6965*

9. API NUMBER:  
various

3. ADDRESS OF OPERATOR:  
707 17th Street, #3600 CITY Denver, STATE CO ZIP 80202 PHONE NUMBER (303) 812-1755

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See attached list** COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. *N2525*

Effective 6/1/2007 please change the operator for the attached list of Utah wells from The Houston Exploration Company N-2525 to Forest Oil Corporation (N-6965). Forest merged with The Houston Exploration Company, a copy of the merger document is attached.. The contract operated wells will continue to be contract operated by Enduring.

Forest Oil Corporation as new operator, accepts all applicable terms, conditions, stipulations and restrictions concerning approved operations conducted on the lease or portion of the lease described.

Forest Oil Corporation meets the State of Utah bonding requirements under Safeco bond #6218963.

Please send all future correspondence to Forest Oil Corporation at the above listed address.

Forest Oil Corporation, 707 17th Street, Suite #3600, Denver, CO 80202

*J.C. Ridens*  
J. C. Ridens, Senior Vice President - Western Region 7-5-07  
Date

NAME (PLEASE PRINT) Joanne C. Hresko TITLE Vice President & General Mgr. - Northern Division  
SIGNATURE *Joanne C. Hresko* DATE 7-5-07

(This space for State use only)  
**APPROVED** 7131107  
*Eariene Russell*  
Division of Oil, Gas and Mining  
Eariene Russell, Engineering Technician  
*No wells in APD status or at New status at this time*  
**RECEIVED**  
JUL 30 2007  
DIV OF OIL, GAS & MINING *WMP*

(5/2000)

(See Instructions on Reverse Side)

well_name	sec	twp	rng	api	entity	lease	well	stat	flag	unit	qtr_qtr	l_num	op no
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	GW	S			SESE	UTU-016257	N2525
CONOCO STATE 32-2	32	080S	250E	4304730100	10096	State	GW	S			NENE	ML-11124	N2525
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P			NESW	UTU-76281	N2525
BONANZA 4B-12	12	090S	230E	4304733806	14593	Federal	D	PA			NWNW	UTU-74426	N2525
WALKER HOLLOW 13-31	31	060S	230E	4304735039		Federal	GW	LA			SESW	UTU-76280	N2525
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	S			SESW	ML-47063	N2525
BONANZA 2B-16	16	090S	240E	4304735694	14186	State	D	PA			NWNE	ML-46526	N2525
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P			NWNE	ML-47061	N2525
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	S			NWNE	ML-47063	N2525
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	S			NWSE	ML-47063	N2525
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P			NWSW	ML-47063	N2525
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P			NESW	ML-46907	N2525
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	S			NWNW	ML42061	N2525
BONANZA 12A-22	22	090S	240E	4304735922	14520	Federal	D	PA			NWSW	UTU-78118	N2525
BONANZA 14-16	16	090S	240E	4304735941	14521	State	D	PA			SESW	ML-46526	N2525
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P	C		NESW	ML-47078	N2525
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	S			SWNE	ML-47063	N2525
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P			NENW	ML-47063	N2525
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	S			SWNW	ML-47063	N2525
GUSHER 6-2	02	060S	190E	4304736963		State	OW	LA			SESW	ML-49144	N2525
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	DRL	C		NENW	ML-49317	N2525
N HORSESHOE 12-7-6-22	07	060S	220E	4304737392		State	GW	LA			NWSW	ML-47969	N2525
N HORSESHOE 16-9-6-22	09	060S	220E	4304737393		State	GW	LA			SESE	ML-47969	N2525
N HORSESHOE 14-10-6-22	10	060S	220E	4304737394		State	GW	LA			SESW	ML-47969	N2525
N HORSESHOE 2-15-6-22	15	060S	220E	4304737395		State	GW	LA			NWNE	ML-47969	N2525
N HORSESHOE 4-15-6-22	15	060S	220E	4304737396		State	GW	LA			NWNW	ML-47969	N2525
N WALKER HOLLOW 12-32-6-23	32	060S	230E	4304737397		State	GW	LA			NWSW	ML-47777	N2525
N WALKER HOLLOW 16-32-6-23	32	060S	230E	4304737398		State	GW	LA			SESE	ML-47777	N2525
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	DRL	C		NWNE	ML-47777	N2525
N WALKER HOLLOW 10-32-6-23	32	060S	230E	4304737400		State	GW	LA			NWSE	ML-47777	N2525
N WALKER HOLLOW 8-32-6-23	32	060S	230E	4304737401		State	GW	LA			SENE	ML-47777	N2525
N WALKER HOLLOW 11-36-6-23	36	060S	230E	4304737462		State	GW	LA			NESW	ML-47970	N2525
N WALKER HOLLOW 13-36-6-23	36	060S	230E	4304737463		State	GW	LA			SWSW	ML-47970	N2525
N WALKER HOLLOW 15-36-6-23	36	060S	230E	4304737464		State	GW	LA			SWSE	ML-47970	N2525
N WALKER HOLLOW 14-32-6-23	32	060S	230E	4304737478		State	GW	LA			SESW	ML-47777	N2525
HACKING RES 11-32-8-25	32	080S	250E	4304737479		State	GW	LA			NESW	ML-11124	N2525
HACKING RES 3-32-8-25	32	080S	250E	4304737480		State	GW	LA			NENW	ML-11124	N2525
HACKING RES 5-32-8-25	32	080S	250E	4304737481		State	GW	LA			SWNW	ML-11124	N2525
HACKING RES 15-32-8-25	32	080S	250E	4304737482		State	GW	LA			SWSE	ML-11124	N2525
HACKING RES 9-32-8-25	32	080S	250E	4304737483		State	GW	LA			NESE	ML-11124	N2525
HACKING RESERVOIR 7-32-8-25	32	080S	250E	4304737571	15885	State	GW	DRL	C		SWNE	ML-11124	N2525

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-47063</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		8. WELL NAME and NUMBER: <b>Rock House 6D-32</b>
3. ADDRESS OF OPERATOR: 707 17th St. Ste 3600 CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>4304735409</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1938' FNL &amp; 2121' FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWNW 32 10S 23E</b>		COUNTY: <b>Uintah</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> PRODUCTION (START/RESUME)  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> TEMPORARILY ABANDON  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> WATER SHUT-OFF  <input checked="" type="checkbox"/> OTHER: <u>Weed Control</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out on 7/1/2009 and applied 40 Gallons of weed control spray at 1:24. Please see attached invoice that covers all of the wells listed, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) <u>Kelly Harris</u>	TITLE <u>Regulatory Tech</u>
SIGNATURE	DATE <u>2/22/2010</u>

(This space for State use only)

**RECEIVED**  
**FEB 24 2010**

Pride Weed Control, Inc.

8100 Hwy 550  
Durango CO 81303

# Invoice

Date	Invoice #
7/8/2009	13710

<b>Bill To</b>
Forest Oil Corporation

<b>Service Location</b>
Bare Ground Weed Control

<b>P.O. No.</b>	<b>Terms</b>	<b>Due Date</b>
	2% 10 Net 30	8/7/2009

Item	Description	Quantity	Rate	Amount
4.3	Bare Ground Vegetation Management: By Production Unit		1,922.50	1,922.50T
Mojave 70 EG	EPA 74477-9-81927	22.4	5.00%	0.00 96.13

Commercial applicators are licensed by the Colorado Department of Agriculture

<b>Phone #</b>	<b>Fax #</b>	<b>E-mail</b>	<b>Total</b>	<b>\$2,018.63</b>
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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FEB 24 2010  
DIV. OF OIL, GAS & MINING





BUREAU OF LAND MANAGEMENT  
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
  - a. Phone Number: 970-247-9778
  - b. Project Name: Various Oil and Gas Facilities for Forest Oil
  - c. Pesticide Use Proposal Number: \_\_\_\_\_
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
  - a. Company or Manufacturer Name: ALLIGARE LLC
  - b. Trade Name: MOJAVE
  - c. Type of Formula: DISPERSABLE GRANUAL
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and 14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

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FEB 24 2010

DIV. OF OIL, GAS & MINING

11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

\*This record if required by law and must completed except for monitoring within 24 hours after completion of application of pesticides. This record must be maintained for a minimum of 10 years.

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FEB 24 2010  
DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant  
Forest Oil Corporation  
916 Upland Way  
Green River WY 82935

Mr. George Thompson  
Pride Weed Control  
8100 Hwy 550  
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist  
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:  
[http://www.blm.gov/style/medialib/blm/ut/vernal\\_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf](http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf).

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at [Clayton\\_Newberry@blm.gov](mailto:Clayton_Newberry@blm.gov).

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,

Clayton Newberry

Enclosures: PUP approval letter  
Pesticide Application Record Form  
sample completed Pesticide Application Record Form

*Rock House file*  
10 August 2009

RECEIVED

FEB 24 2010

DIV. OF OIL, GAS & MINING



United States Department of the Interior



Services	<i>R</i>
Wildlife & Fisheries	
NEPA	<input checked="" type="checkbox"/>
Renewables	
IN REPLY REFER TO:	
9015	(UT-933)
BUREAU OF LAND MANAGEMENT VERNAL, UT	
ALL EMPLOYEES	

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>

JUL 29 2009

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JUL 29 2009

BLM VERNAL, UTAH

Memorandum

To: Vernal Field Manager

From: Deputy State Director, Natural Resources

Subject: Pesticide Use Proposal Approvals

Your Pesticide Use Proposal (PUP) LLUTG01000 -17 with eleven herbicide formulations (eight active ingredients: Glyphosate, Dicamba, Triclopyr+Clopyralid, Metsulfuron Methyl, 2,4-D, Imazapyr+Diuron) and two adjuvants (surfactant and dye) is approved with one modification, shown below and on the PUP. The objective of these treatments is for bare ground control to improve worker safety and reduce fire hazards around oil and gas facilities and equipment. This PUP is approved for a period of one year from the date of approval, approximately July 31, 2010.

Modification: Items #10 and #11 Mojave 70EG and Sahara DG: The recommended use rate is  $\leq 10$  lbs/acre in a  $< 15''$  rainfall zone. The proposed intended use rate of 10-12 lbs/acre is slightly higher. UTSO requests that the operator adhere to the recommendation guidelines in the label and limit applications to 10 lbs/ac/yr. If for some unforeseen reason this rate does not provide adequate control, this may be negotiated with the FO weed specialist to a maximum of 12/lbs/ac/yr after the first year, and approved in writing (notated on the original PUP).

Also, for future PUP submissions, it is requested that the Field Office submit the information on a single form rather than duplicate information on multiple forms. Invariably data does not match and it creates extra work to correct both forms. Additionally, herbicide labels should be included in future PUP submissions.

The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.

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FEB 24 2010

DIV. OF OIL, GAS & MINING

Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

*4*  
*Verlin Smith*

**Attachments**

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

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**DIV. OF OIL, GAS & MINING**

U.S. DEPARTMENT OF INTERIOR  
PESTICIDE USE PROPOSAL

EA NUMBER: UT-08-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: <sup>One</sup> 3 Years

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

Attach map(s) and/or a list of sites \* (Sites Listed)

ORIGINATOR - NAME: Clay Grant

ORIGINATOR - COMPANY: Forest Oil Corporation

ORIGINATOR - CONTACT INFORMATION: 916 Upland Way Green River, WY 82935

Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

DATE:

PROPOSAL NUMBER:

EA REFERENCE NUMBER:

DECISION RECORD (DR) NUMBER:

**I. APPLICATION SITE DESCRIPTION:**

1. ESTIMATED NUMBER OF ACRES: 70
2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

**II. DESIRED RESULTS OF APPLICATION:** (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control of noxious species.

**III. SENSITIVE ASPECTS AND PRECAUTIONS:** (Describe sensitive areas - marsh, endangered, threatened, candidate, and sensitive species habitat - and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

**IV. NON-TARGET VEGETATION** (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed - BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

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**V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:**

**Spraying only**

**VI.** Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agroscience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

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2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL (row numbers correspond to Table 1)				
Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 VELS  
Max Rate  
ae/acre/yr  
7.0 lbs ae/ac  
(9.3 qts prod)  
2.0 lbs ae  
10 lbs T ae  
1 lb C ae  
2.0 lbs ae  
10 lbs T ae  
1 lb C ae  
.15 lbs ai  
1.9 lbs ae  
.15 lbs ai  
7.0 lbs ae/ac  
(9.3 qts prod)  
1.5 lbs ai  
20)  
1.5 lbs ae  
20)

3. INTENDED APPLICATION RATE (rows correspond to Table 1)				
Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.

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4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)				
Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)					
TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP. RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

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VII. The following must be filled out legibly and signed by the Applicator and Originator. If **DIVISION OF OIL, GAS & MINING** in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide (e.g., Joe's Weed Killers, LLC). "Originator" refers to the company which originates this herbicide use request (e.g., Gas R Us, Inc).

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068 Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *[Signature]* Date: 5/6/2009  
Printed / typed name: Clay W. Grant SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]* Date: 4 Jun 2009

FO Manager approval: *William [Signature]* Date: 6/4/09

State Coordinator signature: *Sue Bryant* Date: 7/28/09

Deputy State Director approval: *[Signature]* Date: 7/29/09

- APPROVED
- DISAPPROVED
- APPROVED WITH MODIFICATIONS (see below):

Modifications:

*Recommended use rates for Mojave 70EG & Sahara DG in <15" prec zone is <10 lbs/acre/yr. Operator should adhere to label recommendations unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing w/ FO weed special. 3 attached to this PUP.*

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr – 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.

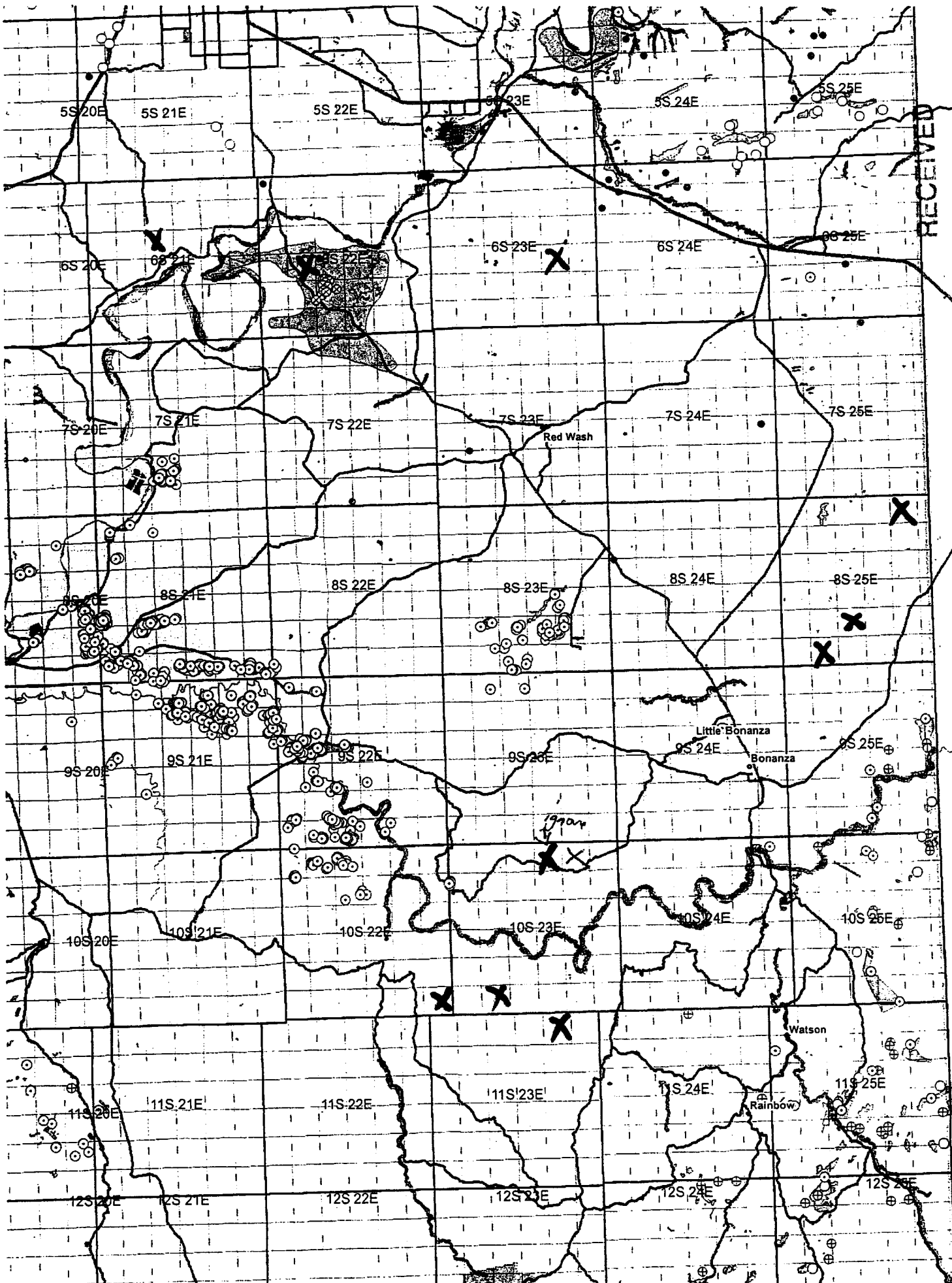
"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.  
 "Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilo-Weed, Inc.

Originator company: Forest Oil Corporation  
 Originator contact name: Clay Grant  
 Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967  
 Originator mailing address: 916 Upland Way, Green River WY 82935  
 Applicator company name: Pride Weed Control, Inc.  
 Applicator name: George Thompson  
 Applicator license no.: 4001-14068 exp. 12/31/2011  
 Applicator phone & fax numbers: phone 970-247-9778  
 Applicator mailing address: 8100 Hwy 550, Durango, CO 81303

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L1-1054177-6

**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

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Weed Management Area:

Site Name:

Vegetation/Community Type:

Weed Site #

Quad # DIV OF OIL, GAS & MINING

Complex

%

Applicator:

Watershed

Address:

Allotment:

License No.:

Phone #

Quad Name(s):

County:

Location T. , R. , Sec. , ¼ ¼

Aerial Photo #

GPS Reading

Slide Photo

WEED SPECIES	P h e n o l o g y	C o v e r  C l a s s	P a t t e r n	I n f e s t.  S i z e	ECOLOGICAL SITE DESCRIPTION	
					APPLICATION DATA	
					Name:	Rate/Ac. Volume:
					Condition:	Active/Acre:
					Soil Map Unit #	Total Volume:
					<b>WEATHER</b>	Acres treated:
					Wind speed:	Acres on site:
					Direction:	<b>MECHANICAL TREATMENT (circle one)</b>
					Temperature:	Hand pull, hand tool, clip seed heads
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>BIOLOGICAL TREATMENT</b>
						Bio Agent:
					<b>WEED TREATMENT DATA</b>	Method applied:
					Date:	<b>Monitoring</b>
Recovery Species					Time:	Original treatment
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name:	<b>Site Recovery Needs</b>
Width Track:					Active Ingredient:	Grazing deferment yn
Weed Ac. Est.					Company Name:	Vegetative seed yn
Ac. Inventoried:					EPA Reg. No.:	Method seed
Site Characteristics					PUP No.:	Hand broadcast, Spreader ATV, Drill, Disc, Other
					<b>FORMULATION (circle one)</b>	
Elevation:					Liquid, Powder, Granular	Acres Rehabilitated:
Aspect (direction):						Species seeded:
Slope (%):						Date:
<b>TOPOGRAPHY (circle one)</b>						Species established:
Ridge, Upper Slope						Date:
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
<b>Comments</b>						

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**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # \_\_\_\_\_

Complex \_\_\_\_\_

% \_\_\_\_\_

Applicator John Smith

Watershed: Red Creek

Address \_\_\_\_\_

Allotment \_\_\_\_\_

License No. xyz123

Phone # 123.456.7891

Quad Name(s) \_\_\_\_\_

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # \_\_\_\_\_

GPS Reading \_\_\_\_\_

Slide Photo \_\_\_\_\_

Weed Species	P h e n o l o g y	C o v e r  C l a s s	P a t t e r n	I n f e s t.  S i z e	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre)  51.85 lbs ac/acre
Canada thistle	2	2	2	2	<b>WEATHER</b>	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	<b>MECHANICAL TREATMENT (circle one)</b>
					Temp: 85	Hand pull, hand tool
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>Biological Treatment</b>
						Bio Agent
					<b>WEED TREATMENT DATA</b>	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	<b>Site Recovery Needs</b>
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

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**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # \_\_\_\_\_

Complex \_\_\_\_\_

% \_\_\_\_\_

Applicator John Smith

Watershed: Red Creek

Address \_\_\_\_\_

Allotment \_\_\_\_\_

License No. xyz123

Phone # 123.456.7891

Quad Name(s) \_\_\_\_\_

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # \_\_\_\_\_

GPS Reading \_\_\_\_\_

Slide Photo \_\_\_\_\_

Weed Species	Phenology	Cover Class	Pattern	Infest. Size	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre)
						<b>51.85 lbs ac/acre</b>
Canada thistle	2	2	2	2	<b>WEATHER</b>	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	<b>MECHANICAL TREATMENT (circle one)</b>
					Temp: 85	Hand pull, hand tool
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>Biological Treatment</b>
						Bio Agent
					<b>WEED TREATMENT DATA</b>	Method applied
					Date 8/15/07	<b>Monitoring</b>
Recovery Species					Time 3:22 p	
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	<b>Site Recovery Needs</b>
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						



**COVER CLASS** - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

**PATTERN** - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

**INFESTATION SIZE** - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

**PHENOLOGY** - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

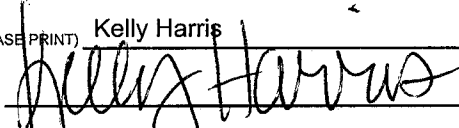
		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-47063</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Rock House 6D-32</b>
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		9. API NUMBER: <b>4304735409</b>
3. ADDRESS OF OPERATOR: <b>707 17th Street, Ste 3600</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		10. FIELD AND POOL, OR WILDCAT: <b>WILDCAT</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1938' FNL &amp; 2121' FWL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWNW 32 10S 23E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>7/1/2009</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Weed Control</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out and applied Noxious weed control on 7/1/2009 at 1:20. Please see attached invoice that covers all of the wells that are listed on the attached spreadsheet, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) <b>Kelly Harris</b>	TITLE <b>Regulatory Tech</b>
SIGNATURE 	DATE <b>3/17/2010</b>

(This space for State use only)

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Pride Weed Control, Inc.

8100 Hwy 550  
Durango CO 81303

# Invoice

Date	Invoice #
7/8/2009	13709

<b>Bill To</b>
Forest Oil Corporation

<b>Service Location</b>
Noxious Weed Control

P.O. No.	Terms	Due Date
	2% 10 Net 30	8/7/2009

Item	Description	Quantity	Rate	Amount
2.3	Noxious Weed control by Acre	27.5	157.50	4,331.25T
Rifle	Pints: EPA Reg #42750-40-34704	27.39		0.00
2, 4-D LV 6#	Gallons EPA Reg#34704-12	6.85		0.00
			5.00%	216.56
Commercial applicators are licensed by the Colorado Department of Agriculture				
<b>Phone #</b>	<b>Fax #</b>	<b>E-mail</b>		<b>Total</b> \$4,547.81
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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Forest Oil Noxious Invoice #13709 July 8, 2009

PRIDE WEED CONTROL, INC.

BLOCK	NAME	NO	LOCATION	LEASE	DATE	TIME	ACRES	OZ	NET	TAXABLE	TAX EXEMPT	TAX EXEMPT CHG	TAX CHG	CHARGES	TAX	TOTAL
10-22	Rock House	4-36	NWNW 36, 10, 22	ML-42061	7/2/2009	4:15	3.94	157.7	3.94	3.94	0	\$0.00	\$620.55	\$620.55	\$31.03	\$651.58
10-23	Rock House	05-32-10-23	SWNE 32, 10, 23	ML-47063	7/1/2009	1:09	2.64	126.9	2.64	2.64	0	\$0.00	\$415.80	\$415.80	\$20.79	\$436.59
10-23	Rock House	7-32-10-23	SWNE 32, 10, 23	ML-47063	7/2/2009	1:45	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	10D-32	NWSE 32, 10, 23	ML-47063	7/2/2009	12:58	1.82	87.5	1.82	1.82	0	\$0.00	\$286.65	\$286.65	\$14.33	\$300.98
11-23	Rock House (11-02)	11-23-23-02	NESW 2, 11, 23	ML-47078	7/2/2009	11:30	1.7	80.5	1.7	1.7	0	\$0.00	\$267.75	\$267.75	\$13.39	\$281.14
10-23	Rock House	11-31	NESW 31, 10, 23	UTU-76281	7/2/2009	2:18	2.23	107.2	2.23	2.23	0	\$0.00	\$351.23	\$351.23	\$17.56	\$368.79
10-23	Rock House	11-36	NESW 36, 10, 22	ML-42061	7/2/2009	3:30	1.44	108.5	1.44	1.44	0	\$0.00	\$226.80	\$226.80	\$11.34	\$238.14
10-23	Rock House	12D-32	NWSW 32, 10, 23	ML-47063	7/1/2009	1:05	2.92	140	2.92	2.92	0	\$0.00	\$459.90	\$459.90	\$23.00	\$482.90
10-23	Rock House	2D-32	NWNE 32, 10, 23	ML-47063	7/2/2009	12:58	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	2D-36	NWNE 36, 10, 22	ML-42061	7/2/2009	3:18	3.07	150.8	3.07	3.07	0	\$0.00	\$483.53	\$483.53	\$24.18	\$507.70
10-23	Rock House	3-32-10-23	NENW 32, 10, 23	ML-41063	7/1/2009	1:50	2.81	135.5	2.81	2.81	0	\$0.00	\$442.58	\$442.58	\$22.13	\$464.70
10-23	Rock House	6D-32	SEnw 32, 10, 23	ML-47063	7/1/2009	1:20	2.09	92.8	2.09	2.09	0	\$0.00	\$329.18	\$329.18	\$16.46	\$345.63
							27.5	1314.4	27.5	27.5	0	\$0.00	\$4,331.27	\$4,331.27	\$216.57	\$4,547.81

BUREAU OF LAND MANAGEMENT  
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
  - a. Phone Number: 970-247-9778
  - b. Project Name: Various Oil and Gas Facilities for Forest Oil
  - c. Pesticide Use Proposal Number: \_\_\_\_\_
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
  - a. Company or Manufacturer Name: ALLIGARE LLC
  - b. Trade Name: MOJAVE
  - c. Type of Formula: DISPERSABLE GRANUAL
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and 14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

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11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

\*This record if required by law and must completed except for monitoring within 24 hours after completion of application of pesticides. This record must be maintained for a minimum of 10 years.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant  
Forest Oil Corporation  
916 Upland Way  
Green River WY 82935

Mr. George Thompson  
Pride Weed Control  
8100 Hwy 550  
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist  
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

*Rock House file*

10 August 2009

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:  
[http://www.blm.gov/style/medialib/blm/ut/vernal\\_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf](http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf).

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at [Clayton\\_Newberry@blm.gov](mailto:Clayton_Newberry@blm.gov).

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,

Clayton Newberry

Enclosures: PUP approval letter  
Pesticide Application Record Form  
sample completed Pesticide Application Record Form

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United States Department of the Interior



Services	<i>R</i>
Land Use & Minerals	<input checked="" type="checkbox"/>
NEPA	
Recreation	
Wildlife	
Public Lands	
Other	
BUREAU OF LAND MANAGEMENT	
ALL EMPLOYEES	

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>

IN REPLY REFER TO:  
9015 (UT-933)

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BLM VERNAL, UTAH

Memorandum

To: Vernal Field Manager

From: Deputy State Director, Natural Resources

Subject: Pesticide Use Proposal Approvals

Your Pesticide Use Proposal (PUP) LLUTG01000 -17 with eleven herbicide formulations (eight active ingredients: Glyphosate, Dicamba, Triclopyr+Clopyralid, Metsulfuron Methyl, 2,4-D, Imazapyr+Diuron) and two adjuvants (surfactant and dye) is approved with one modification, shown below and on the PUP. The objective of these treatments is for bare ground control to improve worker safety and reduce fire hazards around oil and gas facilities and equipment. This PUP is approved for a period of one year from the date of approval, approximately July 31, 2010.

Modification: Items #10 and #11 Mojave 70EG and Sahara DG: The recommended use rate is <= 10 lbs/acre in a < 15" rainfall zone. The proposed intended use rate of 10-12 lbs/acre is slightly higher. UTSO requests that the operator adhere to the recommendation guidelines in the label and limit applications to 10 lbs/ac/yr. If for some unforeseen reason this rate does not provide adequate control, this may be negotiated with the FO weed specialist to a maximum of 12/lbs/ac/yr after the first year, and approved in writing (notated on the original PUP).

Also, for future PUP submissions, it is requested that the Field Office submit the information on a single form rather than duplicate information on multiple forms. Invariably data does not match and it creates extra work to correct both forms. Additionally, herbicide labels should be included in future PUP submissions.

The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.



Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

*Verlin Smith*

#### Attachments

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

U.S. DEPARTMENT OF INTERIOR  
PESTICIDE USE PROPOSAL  
EA NUMBER: UT-18-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: <sup>One</sup> 3 Years

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

Attach map(s) and/or a list of sites \* (Sites Listed)

ORIGINATOR – NAME: Clay Grant

ORIGINATOR – COMPANY: Forest Oil Corporation

ORIGINATOR – CONTACT INFORMATION: 916 Upland Way Green River, WY 82935  
Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

DATE:  
PROPOSAL NUMBER:  
EA REFERENCE NUMBER:  
DECISION RECORD (DR) NUMBER:

**I. APPLICATION SITE DESCRIPTION:**

- 1. ESTIMATED NUMBER OF ACRES: 70
- 2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

**II. DESIRED RESULTS OF APPLICATION:** (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control if noxious species.

**III. SENSITIVE ASPECTS AND PRECAUTIONS:** (Describe sensitive areas – marsh, endangered, threatened, candidate, and sensitive species habitat – and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

**IV. NON-TARGET VEGETATION** (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed – BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

**V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:**

**Spraying only**

**VI.** Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agrosience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL (row numbers correspond to Table 1)				
Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 VELS  
 Max Rate  
 ae/acre/yr  
 7.0 lbs ae/ae  
 (9.3 qts produ  
 2.0 lbs ae  
 10 lbs T ae  
 1 lb C ae  
 2.0 lbs ae  
 10 lbs T ae  
 1 lb C ae  
 .15 lbs ai  
 1.9 lbs ae  
 .15 lbs ai  
 7.0 lbs ae/ae  
 (9.3 qts produ  
 1.5 lbs ai  
 20 lbs ai  
 1.5 lbs ai  
 20 lbs ai

3. INTENDED APPLICATION RATE (rows correspond to Table 1)				
Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.

**4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)**

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

**5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)**

TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP. RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

VII. The following must be filled out legibly and signed by the Applicator and Originator. If your handwriting is in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide (e.g., Joe's Weed Killers, LLC). "Originator" refers to the company which originates this herbicide use request (e.g., Cas R Us, Inc).

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068 Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *[Signature]* Date: 5/6/2009  
Printed / typed name: C. W. GRANT SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]* Date: 4 Jun 2009

FO Manager approval: *William Hume* Date: 6/4/09

State Coordinator signature: *Lisa Bryant* Date: 7/28/09

Deputy State Director approval: *[Signature]* Date: 7/28/09

- APPROVED
- DISAPPROVED
- APPROVED WITH MODIFICATIONS (see below):

Modifications:

*Recommended use rates for Mojave 70EG & Sahara DG in <15" precy zone is <10 lbs/acre/yr. Operator should adhere to label recommendations, unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing w/ FO weed specialist & attached to this PUP.*

1. PESTICIDES (row numbers in Table 1 should correspond to same row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	dicamba	34704-861	Loveland	liquid	hndgn, trctr, trk, ATV
3	Redeem R&P	triclopyr + clopyralid	62719-337	Dow	liquid	hndgn, trctr, trk, ATV
4	Cruise Control	dicamba	42750-40-81927	Alligare	liquid	hndgn, trctr, trk, ATV
5	Prescott	triclopyr + clopyralid	81927-30	Alligare	liquid	hndgn, trctr, trk, ATV
6	MSM 60	metsulfuron methyl	81927-7	Alligare	dry granular	hndgn, trctr, trk, ATV
7	Low Vol 6	2,4-D	34704-125	Loveland	liquid	hndgn, trctr, trk, ATV
8	Escort XP	metsulfuron methyl	352-439	DuPont	dry granular	hndgn, trctr, trk, ATV
9	Glyphosate 4 Plus	glyphosate	81927-9	Alligare	liquid	hndgn, trctr, trk, ATV
10	Mojave 70 EG	imazapyr + diuron	34477-9-81927	Alligare	dry granular	hndgn, trctr, trk, ATV
11	Sahara DG	imazapyr + diuron	241-372	BASF	dry granular	hndgn, trctr, trk, ATV

2. APPLICATION RATE ACCORDING TO PRODUCT LABEL (rows correspond to rows in Table 1)				
Row No.	TRADE NAME	MAXIMUM ALLOWABLE APPLICATION RATE ON PRODUCT LABEL	RATE PER ACRE RECOMMENDED ON PRODUCT LABEL	for liquid formulations only: POUNDS ACID EQUIVALENT (AE) PER ACRE
1	Round-Up Pro	(p.2) 10.6 qts / acre	(p. 8) 1 - 2 qts / acre	0.75 - 1.5 Lbs AE / acre
2	Rifle	(p.10) 2 qts / acre	(p.10-11) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
3	Redeem R&P	(p.7) 4 pts / acre	(p.7) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
4	Cruise Control	(p.7) 2 qts / acre	(p.8) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
5	Prescott	(p.3) 4 pts / acre	(p.4) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
6	MSM 60	(p.3) 2 oz / acre	1 - 2 oz / acre	NA
7	2,4-D Low Vol 6	(p.4) 5.33 pts / acre	(p.4) 2.67 - 5.33 pts / acre	1.87 - 3.73 Lbs AE / acre
8	Escort XP	(p.3) 4 oz / acre	(p. 5) 0.5 - 2.0 oz / acre	NA
9	Glyphosate 4 Plus	(p.14) 10 Gal / acre	(p.14) 3 - 10 Gal / acre	12 - 40 Lbs AE / acre
10	Mojave 70 EG	(p.5) 13 Lbs / acre	(p.4) 7 - 10 Lbs / acre	NA
11	Sahara DG	(p.4) 13 Lbs / acre	(p.4) 7 - 13 Lbs / acre	NA

3. INTENDED APPLICATION RATE (rows correspond to rows in Table 1)					
Row No.	TRADE NAME	INTENDED APPLICATION RATE	for dry formulations only: INTENDED POUNDS ACTIVE INGREDIENT / ACRE	for liquid formulation only: INTENDED POUNDS ACID EQUIVALENT / ACRE	for office use only: VEIS RATE / ACRE (AE, AI, or formulated product)
1	Round-Up Pro	2 qts / acre	NA	1.5 Lbs AE / acre	7.0 Lbs AE / acre
2	Rifle	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
3	Redeem R&P	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
4	Cruise Control	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
5	Prescott	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
6	MSM 60	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
7	2,4-D Low Vol 6	2.67 pts / acre	NA	1.85 Lbs AE / acre	1.9 Lbs AE / acre
8	Escort XP	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
9	Glyphosate 4 Plus	1 Gal / acre	NA	3 Lbs AE / acre	7.0 Lbs AE / acre
10	Mojave 70 EG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr
11	Sahara DG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr

4. PESTICIDE TIMING & TARGET (rows correspond to rows in Table 1)

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr – 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)					
TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

*The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.*

*"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.*

*"Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilo-Weed, Inc.*

Originator company: Forest Oil Corporation

Originator contact name: Clay Grant

Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967

Originator mailing address: 916 Upland Way, Green River WY 82935

Applicator company name: Pride Weed Control, Inc.

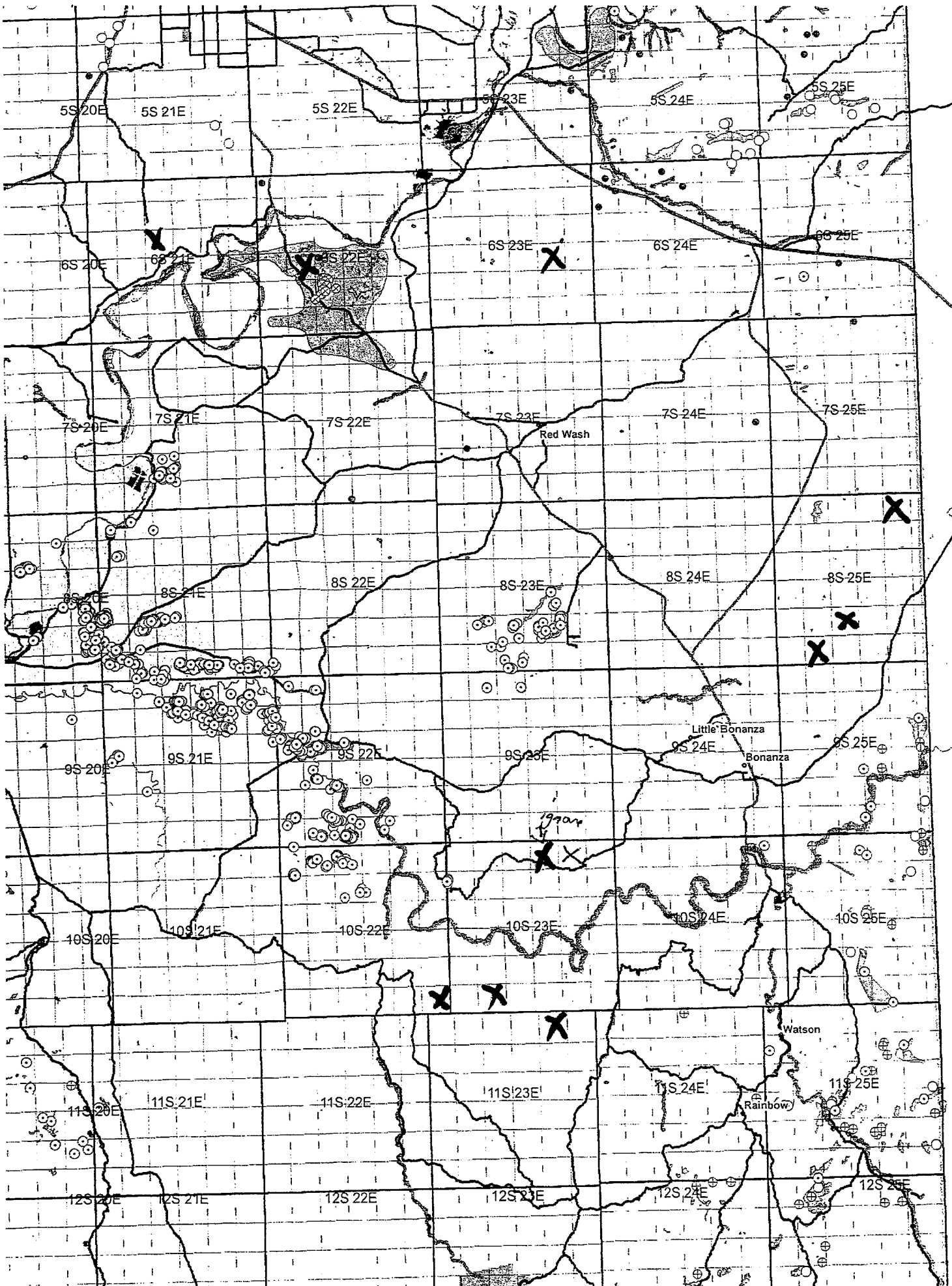
Applicator name: George Thompson

Applicator license no.: 4001-14068 exp. 12/31/2011

Applicator phone & fax numbers: phone 970-247-9778

Applicator mailing address: 8100 Hwy 550, Durango, CO 81303





09-44UTG01-17

**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

Weed Management Area: \_\_\_\_\_ Site Name: \_\_\_\_\_  
 Vegetation/Community Type: \_\_\_\_\_ Weed Site # \_\_\_\_\_ Quad # \_\_\_\_\_  
 Complex \_\_\_\_\_ % \_\_\_\_\_ Applicator: \_\_\_\_\_  
 Watershed \_\_\_\_\_ Address: \_\_\_\_\_  
 Allotment: \_\_\_\_\_ License No.: \_\_\_\_\_ Phone # \_\_\_\_\_  
 Quad Name(s): \_\_\_\_\_ County: \_\_\_\_\_  
 Location T. \_\_\_\_\_, R. \_\_\_\_\_, Sec. \_\_\_\_\_, ¼ \_\_\_\_\_ ¼ \_\_\_\_\_ Aerial Photo # \_\_\_\_\_  
 GPS Reading \_\_\_\_\_ Slide Photo \_\_\_\_\_

WEED SPECIES	P h e n o l o g y	C o v e r  C l a s s	P a t t e r n	I n f e s t.  S i z e	ECOLOGICAL SITE DESCRIPTION	APPLICATION DATA
					Name:	Rate/Ac. Volume:
Condition:	Active/Acre:					
Soil Map Unit #	Total Volume:					
					<b>WEATHER</b>	Acres treated:
					Wind speed:	Acres on site:
					Direction:	<b>MECHANICAL TREATMENT (circle one)</b>
					Temperature:	Hand pull, hand tool, clip seed heads
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>BIOLOGICAL TREATMENT</b>
						Bio Agent:
					<b>WEED TREATMENT DATA</b>	Method applied:
					Date:	<b>Monitoring</b>
Recovery Species					Time:	Original treatment
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name:	<b>Site Recovery Needs</b>
Width Track:					Active Ingredient:	Grazing deferment yn
Weed Ac. Est.					Company Name:	Vegetative seed yn
Ac. Inventoried:					EPA Reg. No.:	Method seed
Site Characteristics					PUP No.:	Hand broadcast, Spreader ATV, Drill, Disc, Other
					<b>FORMULATION (circle one)</b>	
Elevation:					Liquid, Powder, Granular	Acres Rehabilitated:
Aspect (direction):						Species seeded:
Slope (%):						Date:
<b>TOPOGRAPHY (circle one)</b>						Species established:
Ridge, Upper Slope						Date:
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
<b>Comments</b>						

**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # \_\_\_\_\_

Complex \_\_\_\_\_

% \_\_\_\_\_

Applicator John Smith

Watershed: Red Creek

Address \_\_\_\_\_

Allotment \_\_\_\_\_

License No. xyz123

Phone # 123.456.7891

Quad Name(s) \_\_\_\_\_

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # \_\_\_\_\_

GPS Reading \_\_\_\_\_

Slide Photo \_\_\_\_\_

Weed Species	P h e n o l o g y	C o v e r  C l a s s	P a t t e r n	I n f e s t.  S i z e	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre)  <b>51.85 lbs ac/acre</b>
Canada thistle	2	2	2	2	<b>WEATHER</b>	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	<b>MECHANICAL TREATMENT (circle one)</b>
					Temp: 85	Hand pull, hand tool
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>Biological Treatment</b>
						Bio Agent
					<b>WEED TREATMENT DATA</b>	Method applied
					Date 8/15/07	<b>Monitoring</b>
Recovery Species					Time 3:22 p	
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	<b>Site Recovery Needs</b>
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

**PESTICIDE (WEED) APPLICATION RECORD FORM**  
**BLM-Vernal, 170 South 500 East Phone (435) 781-4400**

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # \_\_\_\_\_

Complex \_\_\_\_\_

% \_\_\_\_\_

Applicator John Smith

Watershed: Red Creek

Address \_\_\_\_\_

Allotment \_\_\_\_\_

License No. xyz123

Phone # 123.456.7891

Quad Name(s) \_\_\_\_\_

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # \_\_\_\_\_

GPS Reading \_\_\_\_\_

Slide Photo \_\_\_\_\_

Weed Species	P h e n o l o g y	C o v e r  C l a s s	P a t t e r n	I n f e s t.  S i z e	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) <b>51.85 lbs ac/acre</b>
Canada thistle	2	2	2	2	<b>WEATHER</b>	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	<b>MECHANICAL TREATMENT (circle one)</b>
					Temp: 85	Hand pull, hand tool
					<b>PEST TREATMENT (circle one)</b>	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	<b>Biological Treatment</b>
						Bio Agent
					<b>WEED TREATMENT DATA</b>	Method applied
					Date 8/15/07	<b>Monitoring</b>
Recovery Species					Time 3:22 p	
					<b>EQUIPMENT TYPE (circle one)</b>	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					<b>TREATMENT METHOD (circle one)</b>	<b>Veg Study</b>
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	<b>Site Recovery Needs</b>
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
<b>Topography</b>						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
<b>Comments</b>						

**COVER CLASS** - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

**PATTERN** - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

**INFESTATION SIZE** - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

**PHENOLOGY** - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/31/2013**

**FROM:** (Old Operator):  
 N6965-Forest Oil Corporation  
 707 17th Street, Suite 3600  
 Denver, CO, 80202  
 Phone: 1 (303) 812-1676

**TO:** ( New Operator):  
 N2750-Enduring Resources, LLC  
 511 16th Street, Suite 700  
 Denver, CO, 80202  
 Phone: 1 (303) 573-1222

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	D	PA
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	D	PA
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	P
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	P
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	P
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	P
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	P
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	P
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	S
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	TA

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/4/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/4/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2013
- a. Is the new operator registered in the State of Utah: Y Business Number: 5771233-0161
- a. (R649-9-2) Waste Management Plan has been received on: Y
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 5/29/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/18/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/18/2013
- Bond information entered in RBDMS on: (Blanket Bond already established) 6/24/2013
- Fee/State wells attached to bond in RBDMS on: 6/24/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- 1. Federal well(s) covered by Bond Number: UTB000173
- 2. Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0008031
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 6/4/2013

**LEASE INTEREST OWNER NOTIFICATION:**

- 4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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From Forest Oil Corporation (N6965) to Enduring Resources LLC (N2750)  
Effective 31-May-2013

Well Name	Sec	Township	Range	Well API Number	Utah Entity Number	Mineral Lease Type	Well Type	Well Status
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	Dry Hole	Plugged & Abandoned
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	Dry Hole	Plugged & Abandoned
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	Gas Well	Producing Well
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	Gas Well	Producing Well
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	Gas Well	Producing Well
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	Gas Well	Producing Well
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	Gas Well	Producing Well
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	Gas Well	Producing Well
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	Gas Well	Producing Well
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	Gas Well	Producing Well
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	Gas Well	Producing Well
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	Gas Well	Producing Well
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	Gas Well	Producing Well
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	Gas Well	Producing Well
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	Gas Well	Shut-In well
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	Gas Well	TA-Temporarily Abandoned



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>SEE ATTACHED LIST</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		8. WELL NAME and NUMBER: <b>SEE ATTACHED LIST</b>
3. ADDRESS OF OPERATOR: 511 16th Street, Suite 700 CITY Denver STATE CO ZIP 80202		9. API NUMBER:
PHONE NUMBER: (303) 573-1222		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>5/31/2013</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Utah State Bond #RLB0008031 - Operator No. N2750

Change of operator from Forest Oil Corporation to Enduring Resources, LLC effective 5/31/2013

Enduring Resources, LLC  
51116th Street, Suite 700  
Denver, Colorado 80202

Operator No. N2750  
Utah State Bond #RLB0008031

**RECEIVED**  
**JUN 04 2013**  
Div. of Oil, Gas & Mining

FOREST OIL CORPORATION

X *Scott Laverde*  
BY: Scott Laverde  
TITLE: Vice President **N6965**

DATE: 5/31/2013

NAME (PLEASE PRINT) Alex B. Campbell TITLE Vice President  
SIGNATURE *Alex B. Campbell* DATE 5/31/2013

(This space for State use only)

**APPROVED** \* Subject to Conditions of Approval.

(5/2000)

**JUN 18 2013**

(See Instructions on Reverse Side)

DIV. OIL GAS & MINING

BY: Zeke Clements for Rachel Medina.

\* Subject to Conditions of Approval

## CONDITIONS OF APPROVAL

## CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL for  
Change Of Operator  
from Forest Oil Corporation (N6965)  
to Enduring Resources, LLC (N2750)  
effective 31-May-2013

The Conditions Of Approval are applicable to the following 2 wells:

Well Name and No.	Well API Number	Section	Township	Range	Meridian
N WALKER HOLLOW 2-32-6-23	4304737399	32	6 South	23 East	SLB&M
N HORSESHOE 3-16-6-21	4304737391	16	6 South	21 East	SLB&M

The Conditions Of Approval are:

1. If the wells are not producing commercial quantities within 60 days, then an additional bond will be required from Enduring Resources LLC. This should be ongoing commercial production.
2. If the plan is to plug the well, then approved plugging sundries should be in place and the wells plugged by Enduring Resources LLC no later than September 15, 2013.
3. If Enduring Resources LLC plans to review the wells further, then the following is required by August 15, 2013:
  - a. Additional Bonding, and
  - b. Plan for Wells future, and
  - c. Completed MIT showing integrity

The plan for the wells future should be submitted on a sundry notice, with the MIT and a request for extended SI/TA (Shut-In/Temporarily Abandoned) status. Approval by the Division is required to keep wells in ongoing SI/TA status. These 2 wells have been in SI/TA status over 4 years, so good justification is needed for an extension.

Well Name	API Well Number	Lease Number	Well Status	Field Name	Surface Owners	Mineral Lease	County	Qtr/Qtr	Sec	Twn Rge	FNL/FSL	FEL/FWL
COYOTE BASIN 28-01	43-047-30098	UTU-16257	P & A	WILDCAT	Federal	Federal	UINTAH	SESE	28	8S-25E	851 S	1039 E
N HORSESHOE 13-20-6-22	43-047-38020	UTU-76768	DRY HOLE	WILDCAT	Federal	Federal	UINTAH	SWSW	20	6S-22E	984 S	760 W
ROCK HOUSE 11-31	43-047-33312	UTU-76281	Producing	NATURAL BUTTES	Federal	Federal	UINTAH	NESW	31	10S-23E	1980 S	1980 W
ROCK HOUSE 6D-32	43-047-35409	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SENE	32	10S-23E	1938 N	2121 W
ROCK HOUSE 2D-36	43-047-35759	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	36	10S-22E	1012 N	1654 E
ROCK HOUSE 2D-32	43-047-35760	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	32	10S-23E	932 N	2291 E
ROCK HOUSE 10D-32	43-047-35761	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSE	32	10S-23E	2367 S	1595 E
ROCK HOUSE 12D-32	43-047-35762	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSW	32	10S-23E	1611 S	951 W
ROCK HOUSE 11-36	43-047-35900	ML 46907	Producing	NATURAL BUTTES	State	State	UINTAH	NESW	36	10S-22E	2137 S	1801 W
ROCK HOUSE 4-36	43-047-35901	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNW	36	10S-22E	837 N	646 W
ROCK HOUSE 11-2	43-047-36153	ML 47078	Producing	ROCK HOUSE	State	State	UINTAH	NESW	2	11S-23E	2233 S	1863 W
ROCK HOUSE 7-32-10-23	43-047-36306	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNE	32	10S-23E	1866 N	2064 E
ROCK HOUSE 3-32-10-23	43-047-36307	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NENW	32	10S-23E	524 N	2151 W
ROCK HOUSE 5-32-10-23	43-047-36410	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNW	32	10S-23E	2405 N	852 W
N WALKER HOLLOW 2-32-6-23	43-047-37399	ML 47777	SHUT-IN	UNDESIGNATED	State	State	UINTAH	NWNE	32	6S-23E	581 N	1945 E
N HORSESHOE 3-16-6-21	43-047-37391	ML 49317	T/A	WILDCAT	State	State	UINTAH	NENW	16	6S-21E	825 N	2067 W

RECEIVED  
JUN 04 2013  
Div. of Oil, Gas & Mining

Effective Date: 10/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Enduring Resources, LLC	WestStar Exploration Company 1001 West Loop S, Suite 525 Houston, TX 77027

Groups: Ashpalt-Unit

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:
2. Sundry or legal documentation was received from the **NEW** operator on: 9/14/2017
3. New operator Division of Corporations Business Number: 10489908-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: N/A
- Reports current for Production/Disposition & Sundries: 10/13/2014
- OPS/SI/TA well(s) reviewed for full cost bonding: 7/1/2017
- UIC5 on all disposal/injection/storage well(s) approved on: 10/12/2017
- Surface Facility(s) included in operator change: Southman Canyon-Compressor Station
- Inspections of PA state/fee well sites complete on (only upon operators request): 10/1/2017

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): SUR60001568

**DATA ENTRY:**

- Well(s) update in the RBDMS on: 10/16/2017
- Group(s) update in RDBMS on: 10/16/2017
- Surface Facilities update in RBDMS on: 10/16/2017

**COMMENTS:**

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From: Enduring Resources, LLC  
 To: WestStar Exploration Company  
 Effective: 10/1/2016

Well Name	API	Sec	TWN	Dir	RNG	Dir	Entity Number	Well Type	Well Status
BONANZA 9-24-42-27	4304735923	27	9	S	24	E	14576	Gas Well	Drilling Operations Suspended
SOUTHMAN CYN 9-23-22-36	4304735362	36	9	S	23	E	14053	Water Disposal Well	Inactive
BUCK CAMP 11-22-14-36	4304737836	36	11	S	22	E	15411	Water Disposal Well	Inactive
FEDERAL 28-01	4304730098	28	8	S	25	E		Dry Hole	Plugged & Abandoned
COTTONWOOD WASH U 12-21-32-10	4304731774	10	12	S	21	E	14911	Gas Well	Plugged & Abandoned
EAST BENCH UNIT 1	4304731778	33	11	S	22	E	10795	Gas Well	Plugged & Abandoned
BITTER CREEK 11-23-34-30	4304732558	30	11	S	23	E	11747	Gas Well	Plugged & Abandoned
THIMBLE ROCK FEDERAL 11-24-44-23	4304732604	23	11	S	24	E	17376	Gas Well	Plugged & Abandoned
EAST BENCH 11-22-23-16	4304733251	16	11	S	22	E	12542	Gas Well	Plugged & Abandoned
DWR 12-23-12-28	4304733343	28	12	S	23	E	12605	Gas Well	Plugged & Abandoned
DWR 12-23-13-21	4304733344	21	12	S	23	E	12606	Gas Well	Plugged & Abandoned
DWR 12-23-31-21	4304733484	21	12	S	23	E	14411	Gas Well	Plugged & Abandoned
LITTLE JOE 9-25-41-7	4304734814	7	9	S	25	E	14488	Gas Well	Plugged & Abandoned
CARTWRIGHT 9-24-31-35	4304734815	35	9	S	24	E	14489	Gas Well	Plugged & Abandoned
THURSTON FED 12-21-24-12	4304735559	12	12	S	21	E	14420	Gas Well	Plugged & Abandoned
BUCK CANYON 12-22-34-6	4304735899	6	12	S	22	E	14541	Gas Well	Plugged & Abandoned
HANGING ROCK 12-24-11-18	4304736111	18	12	S	24	E	15237	Gas Well	Plugged & Abandoned
BUCK CAMP U 12-22-31-5	4304736139	5	12	S	22	E	14904	Gas Well	Plugged & Abandoned
RAINBOW 11-24-24-17	4304736150	17	11	S	24	E	14855	Gas Well	Plugged & Abandoned
RAINBOW 11-24-41-17	4304736151	17	11	S	24	E	15181	Gas Well	Plugged & Abandoned
BUCK CAMP 12-22-31-2	4304736273	2	12	S	22	E	14939	Gas Well	Plugged & Abandoned
BUCK CAMP 11-22-11-36	4304736277	36	11	S	22	E	14912	Gas Well	Plugged & Abandoned
ROCKHOPPER FED 11-24-23-29	4304736288	29	11	S	24	E	14835	Gas Well	Plugged & Abandoned
STUMPJUMPER FED 11-23-23-33	4304736314	33	11	S	23	E	15137	Gas Well	Plugged & Abandoned
HARDTAIL FED 11-23-12-34	4304736315	34	11	S	23	E	15157	Gas Well	Plugged & Abandoned
BIG PACK 12-21-22-2	4304736423	2	12	S	21	E	14870	Gas Well	Plugged & Abandoned
AGENCY DRAW 12-21-31-36	4304736424	36	12	S	21	E	14901	Gas Well	Plugged & Abandoned
BIG PACK 11-21-11-28	4304736728	28	11	S	21	E	15140	Gas Well	Plugged & Abandoned
ARCHY BENCH 12-23-42-16	4304736802	16	12	S	23	E	14991	Gas Well	Plugged & Abandoned
ARCHY BENCH 11-24-24-32	4304736819	32	11	S	24	E	15249	Gas Well	Plugged & Abandoned
ARCHY BENCH 11-24-12-32	4304736822	32	11	S	24	E	15250	Gas Well	Plugged & Abandoned
ASPHALT WASH 11-24-42-16	4304736875	16	11	S	24	E		Dry Hole	Plugged & Abandoned
BUCK CYN 12-21-43-16	4304737091	16	12	S	21	E	14994	Gas Well	Plugged & Abandoned
N HORSESHOE 3-16-6-21	4304737391	16	6	S	21	E	15716	Gas Well	Plugged & Abandoned
N WALKER HOLLOW 2-32-6-23	4304737399	32	6	S	23	E	15741	Gas Well	Plugged & Abandoned
RAINBOW 11-24-21-20	4304737567	20	11	S	24	E	15929	Gas Well	Plugged & Abandoned
BUCK CAMP 12-22-21-2	4304737656	2	12	S	22	E	15611	Gas Well	Plugged & Abandoned
RAINBOW 11-24-23-17	4304737948	17	11	S	24	E	15779	Gas Well	Plugged & Abandoned
RAINBOW 11-24-33-17	4304737949	17	11	S	24	E	15780	Gas Well	Plugged & Abandoned
HANGING ROCK 11-23-24-36	4304738278	36	11	S	23	E	16226	Gas Well	Plugged & Abandoned
HANGING ROCK 11-23-43-36	4304738282	36	11	S	23	E	16076	Gas Well	Plugged & Abandoned
BUCK CAMP U 12-22-23-5	4304739204	5	12	S	22	E	16227	Gas Well	Plugged & Abandoned
ROCK HOUSE 11-31	4304733312	31	10	S	23	E	13984	Gas Well	Producing
SOUTHMAN CYN 9-23-11-36	4304735361	36	9	S	23	E	14136	Gas Well	Producing
SOUTHMAN CYN 9-23-13-36	4304735364	36	9	S	23	E	14063	Gas Well	Producing
SOUTHMAN CYN 9-23-31-36	4304735365	36	9	S	23	E	14079	Gas Well	Producing
ROCK HOUSE 6D-32	4304735409	32	10	S	23	E	14293	Gas Well	Producing
BONANZA 9-23-41-11	4304735552	11	9	S	23	E	14187	Gas Well	Producing
SOUTHMAN CYN 9-24-31-30	4304735691	30	9	S	24	E	14282	Gas Well	Producing
ROCK HOUSE 2D-36	4304735759	36	10	S	22	E	14357	Gas Well	Producing
ROCK HOUSE 2D-32	4304735760	32	10	S	23	E	14317	Gas Well	Producing
ROCK HOUSE 10D-32	4304735761	32	10	S	23	E	14318	Gas Well	Producing
SOUTHMAN CYN 9-23-24-36	4304735770	36	9	S	23	E	14320	Gas Well	Producing
SOUTHMAN CYN 9-23-42-36	4304735771	36	9	S	23	E	14292	Gas Well	Producing
SOUTHMAN CYN 9-23-44-36	4304735772	36	9	S	23	E	14265	Gas Well	Producing
ROCK HOUSE 10-22-14-36	4304735902	36	10	S	22	E	15122	Gas Well	Producing
SOUTHMAN CYN 9-24-11-30	4304735913	30	9	S	24	E	15843	Gas Well	Producing
BONANZA 9-24-13-18	4304735921	18	9	S	24	E	14477	Gas Well	Producing
ARCHY BENCH 11-22-32-1	4304735931	1	11	S	22	E	16285	Gas Well	Producing
BONANZA 9-24-21-8	4304735966	8	9	S	24	E	15084	Gas Well	Producing
SOUTHMAN CYN 9-24-42-30	4304735967	30	9	S	24	E	15384	Gas Well	Producing
SOUTHMAN CYN 9-24-22-30	4304736103	30	9	S	24	E	15610	Gas Well	Producing
SOUTHMAN CYN 9-24-13-30	4304736104	30	9	S	24	E	15644	Gas Well	Producing
ROCK HOUSE 11-23-44-2	4304736152	2	11	S	23	E	15385	Gas Well	Producing
ROCK HOUSE 11-2	4304736153	2	11	S	23	E	14695	Gas Well	Producing
ASPHALT WASH 11-24-14-7	4304736234	7	11	S	24	E	15156	Gas Well	Producing
ASPHALT WASH 11-24-14-5	4304736235	5	11	S	24	E	15012	Gas Well	Producing
SOUTHMAN CYN 10-24-13-30	4304736238	30	10	S	24	E	15862	Gas Well	Producing
BUCK CAMP 11-22-11-25	4304736276	25	11	S	22	E	14974	Gas Well	Producing

From: Enduring Resources, LLC  
 To: WestStar Exploration Company  
 Effective: 10/1/2016

ROCK HOUSE 7-32-10-23	4304736306	32	10	S	23	E	14766	Gas Well	Producing
ROCK HOUSE 3-32-10-23	4304736307	32	10	S	23	E	14781	Gas Well	Producing
HANGING ROCK 11-23-44-32	4304736308	32	11	S	23	E	14938	Gas Well	Producing
ROCK HOUSE 10-23-43-32	4304736337	32	10	S	23	E	14993	Gas Well	Producing
ROCK HOUSE 5-32-10-23	4304736410	32	10	S	23	E	14727	Gas Well	Producing
ROCK HOUSE 10-23-14-32	4304736411	32	10	S	23	E	15705	Gas Well	Producing
SOUTHMAN CYN 9-23-34-36	4304736529	36	9	S	23	E	15277	Gas Well	Producing
SOUTHMAN CYN 9-23-12-36	4304736531	36	9	S	23	E	15315	Gas Well	Producing
SOUTHMAN CYN 9-23-14-36	4304736532	36	9	S	23	E	14990	Gas Well	Producing
SOUTHMAN CYN 9-23-43-36	4304736533	36	9	S	23	E	15274	Gas Well	Producing
ROCK HOUSE 10-22-13-36	4304736534	36	10	S	22	E	15138	Gas Well	Producing
SOUTHMAN CYN 9-23-23-36	4304736535	36	9	S	23	E	15045	Gas Well	Producing
SOUTHMAN CYN 9-23-32-36	4304736536	36	9	S	23	E	15276	Gas Well	Producing
SOUTHMAN CYN 9-23-41-36	4304736537	36	9	S	23	E	15273	Gas Well	Producing
ROCK HOUSE 10-23-12-30	4304736547	30	10	S	23	E	16859	Gas Well	Producing
BONANZA 9-23-12-11	4304736645	11	9	S	23	E	16301	Gas Well	Producing
RED WASH 9-24-34-30	4304736734	30	9	S	24	E	14937	Gas Well	Producing
RED WASH 9-24-23-30	4304736735	30	9	S	24	E	14936	Gas Well	Producing
ARCHY BENCH 11-22-13-2	4304736785	2	11	S	22	E	16188	Gas Well	Producing
ARCHY BENCH 11-22-12-2	4304736793	2	11	S	22	E	15982	Gas Well	Producing
ARCHY BENCH 11-22-21-1	4304737489	1	11	S	22	E	15472	Gas Well	Producing
ROCK HOUSE 10-22-42-36	4304737826	36	10	S	22	E	15352	Gas Well	Producing
ROCK HOUSE 11-23-42-2	4304737865	2	11	S	23	E	15914	Gas Well	Producing
ROCK HOUSE 11-23-22-2	4304737867	2	11	S	23	E	16074	Gas Well	Producing
ROCK HOUSE 10-22-41-36	4304737940	36	10	S	22	E	15350	Gas Well	Producing
ROCK HOUSE 11-23-41-2	4304738033	2	11	S	23	E	15902	Gas Well	Producing
ROCK HOUSE 11-23-24-2	4304738034	2	11	S	23	E	15903	Gas Well	Producing
ROCK HOUSE 11-23-34-2	4304738036	2	11	S	23	E	15916	Gas Well	Producing
ROCK HOUSE 11-23-33-2	4304738037	2	11	S	23	E	15915	Gas Well	Producing
ROCK HOUSE 10-23-31-30	4304738101	30	10	S	23	E	16679	Gas Well	Producing
ROCK HOUSE 10-23-11-30	4304738132	30	10	S	23	E	16727	Gas Well	Producing
ROCK HOUSE 10-23-23-32	4304738153	32	10	S	23	E	15571	Gas Well	Producing
ROCK HOUSE 10-23-24-32	4304738196	32	10	S	23	E	15572	Gas Well	Producing
ROCK HOUSE 10-23-11-32	4304738197	32	10	S	23	E	15588	Gas Well	Producing
ROCK HOUSE 10-23-22-30	4304738477	30	10	S	23	E	16860	Gas Well	Producing
BONANZA 9-24-44-30	4304738800	30	9	S	24	E	15863	Gas Well	Producing
HANGING ROCK 11-23-31-28	4304738969	28	11	S	23	E	17033	Gas Well	Producing
ASPHALT WASH 11-24-44-6	4304739167	5	11	S	24	E	17032	Gas Well	Producing
SOUTHMAN CYN 9-23-33-36	4304735363	36	9	S	23	E	14093	Gas Well	Shut-in
BONANZA 9-24-33-18	4304735550	18	9	S	24	E	14191	Gas Well	Shut-in
BONANZA 9-23-13-12	4304735551	12	9	S	23	E	14192	Gas Well	Shut-in
BONANZA 9-24-11-16	4304735622	16	9	S	24	E	14319	Gas Well	Shut-in
BONANZA 9-24-33-8	4304735692	8	9	S	24	E	14257	Gas Well	Shut-in
BONANZA 9-24-31-27	4304735693	27	9	S	24	E	14210	Gas Well	Shut-in
ROCK HOUSE 12D-32	4304735762	32	10	S	23	E	14294	Gas Well	Shut-in
ROCK HOUSE 11-36	4304735900	36	10	S	22	E	14478	Gas Well	Shut-in
ROCK HOUSE 4-36	4304735901	36	10	S	22	E	14449	Gas Well	Shut-in
BONANZA 9-23-33-11	4304735908	11	9	S	23	E	14594	Gas Well	Shut-in
BONANZA 9-24-22-8	4304735912	8	9	S	24	E	14564	Gas Well	Shut-in
BONANZA 9-24-42-7	4304735920	7	9	S	24	E	14476	Gas Well	Shut-in
BONANZA 9-24-11-18	4304735994	18	9	S	24	E	14641	Gas Well	Shut-in
BONANZA 9-24-11-7	4304736017	7	9	S	24	E	15913	Gas Well	Shut-in
SOUTHMAN CYN 9-24-43-30	4304736019	30	9	S	24	E	15589	Gas Well	Shut-in
BUCK CAMP 11-22-11-26	4304736274	26	11	S	22	E	15077	Gas Well	Shut-in
ROCK HOUSE 10-22-21-36	4304736407	36	10	S	22	E	15139	Gas Well	Shut-in
ROCK HOUSE 10-22-32-36	4304736409	36	10	S	22	E	15182	Gas Well	Shut-in
SOUTHMAN CYN 9-23-21-36	4304736530	36	9	S	23	E	15316	Gas Well	Shut-in
BONANZA 9-23-24-11	4304736651	11	9	S	23	E	15696	Gas Well	Shut-in
ARCHY BENCH 11-22-22-2	4304736786	2	11	S	22	E	15983	Gas Well	Shut-in
ARCHY BENCH 11-22-14-2	4304736788	2	11	S	22	E	15706	Gas Well	Shut-in
SOUTHMAN CYN 10-25-11-6	4304736933	6	10	S	25	E	15275	Gas Well	Shut-in
ROCK HOUSE 10-22-33-36	4304737789	36	10	S	22	E	15351	Gas Well	Shut-in
ROCK HOUSE 10-23-21-30	4304737832	30	10	S	23	E	16678	Gas Well	Shut-in
HANGING ROCK 11-23-42-36	4304738280	36	11	S	23	E	15695	Gas Well	Shut-in
SOUTHMAN CYN 9-24-13-36	4304738910	36	9	S	24	E	14955	Gas Well	Shut-in

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached List</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Weststar Exploration Company</b>		8. WELL NAME and NUMBER: <b>See Attached List</b>
3. ADDRESS OF OPERATOR: 1001 West Loop S, Ste 525 CITY Houston STATE TX ZIP 77027		9. API NUMBER: <b>Various</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached List</b>		10. FIELD AND POOL, OR WILDCAT:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: <b>Uintah</b> STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>10/1/2016</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 10/1/2016 please change the operator for the attached list of Utah wells from Enduring Resources, LLC to WestStar Exploration Company.

WestStar Exploration Company as new operator accepts all applicable terms, conditions, stipulations and restrictions concerning approved operations conducted on the leases of portions of the leases described.

WestStar Exploration Company meets the State of Utah bonding requirements under the bond # SUR60001568. Please send all future correspondence to WestStar Exploration Company at the above listed address.

NAME (PLEASE PRINT) <u>William Gilmore</u>	TITLE <u>President</u>
SIGNATURE	DATE <u>10-1-16</u>

(This space for State use only)

**APPROVED**

**OCT 16 2017**

DIV OIL GAS & MINING

*Rachael Medina*

**RECEIVED**

**SEP 14 2017**

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

API Well #	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twn-Rng)	Section
43-047-36424	ENDURING RESOURCES, LLC	AGENCY DRAW 12-21-31-36	Gas Well	Plugged and Abandoned	WILDCAT	UINTAH	12S-21E	36
43-047-36793	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-12-2	Gas Well	Producing	BITTER CREEK	UINTAH	11S-22E	2
43-047-36785	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-13-2	Gas Well	Producing	BITTER CREEK	UINTAH	11S-22E	2
43-047-36788	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-14-2	Gas Well	Shut-In	BITTER CREEK	UINTAH	11S-22E	2
43-047-37489	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-21-1	Gas Well	Producing	BITTER CREEK	UINTAH	11S-22E	1
43-047-36786	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-22-2	Gas Well	Shut-In	BITTER CREEK	UINTAH	11S-22E	2
43-047-35931	ENDURING RESOURCES, LLC	ARCHY BENCH 11-22-32-1	Gas Well	Producing	BITTER CREEK	UINTAH	11S-22E	1
43-047-36822	ENDURING RESOURCES, LLC	ARCHY BENCH 11-24-12-32	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-24E	32
43-047-36819	ENDURING RESOURCES, LLC	ARCHY BENCH 11-24-24-32	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-24E	32
43-047-36802	ENDURING RESOURCES, LLC	ARCHY BENCH 12-23-42-16	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	12S-23E	16
43-047-36235	ENDURING RESOURCES, LLC	ASPHALT WASH 11-24-14-5	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-24E	5
43-047-36234	ENDURING RESOURCES, LLC	ASPHALT WASH 11-24-14-7	Gas Well	Shut-In	ROCK HOUSE	UINTAH	11S-24E	7
43-047-36875	ENDURING RESOURCES, LLC	ASPHALT WASH 11-24-42-16	Dry Hole	Plugged and Abandoned	UNDESIGNATED	UINTAH	11S-24E	16
43-047-39167	ENDURING RESOURCES, LLC	ASPHALT WASH 11-24-44-6	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-24E	5
43-047-36728	ENDURING RESOURCES, LLC	BIG PACK 11-21-11-28	Gas Well	Plugged and Abandoned	LOVE	UINTAH	11S-21E	28
43-047-36423	ENDURING RESOURCES, LLC	BIG PACK 12-21-22-2	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-21E	2
43-047-32558	ENDURING RESOURCES, LLC	BITTER CREEK 11-23-34-30	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-23E	30
43-047-36645	ENDURING RESOURCES, LLC	BONANZA 9-23-12-11	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	11
43-047-35551	ENDURING RESOURCES, LLC	BONANZA 9-23-13-12	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	9S-23E	12
43-047-36651	ENDURING RESOURCES, LLC	BONANZA 9-23-24-11	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	9S-23E	11
43-047-35908	ENDURING RESOURCES, LLC	BONANZA 9-23-33-11	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	9S-23E	11
43-047-35552	ENDURING RESOURCES, LLC	BONANZA 9-23-41-11	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	11
43-047-35622	ENDURING RESOURCES, LLC	BONANZA 9-24-11-16	Gas Well	Shut-In	DEVILS PLAYGROUND	UINTAH	9S-24E	16
43-047-35994	ENDURING RESOURCES, LLC	BONANZA 9-24-11-18	Gas Well	Shut-In	DEVILS PLAYGROUND	UINTAH	9S-24E	18
43-047-36017	ENDURING RESOURCES, LLC	BONANZA 9-24-11-7	Gas Well	Shut-In	BIG VALLEY	UINTAH	9S-24E	7
43-047-35921	ENDURING RESOURCES, LLC	BONANZA 9-24-13-18	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	18
43-047-35966	ENDURING RESOURCES, LLC	BONANZA 9-24-21-8	Gas Well	Producing	BIG VALLEY	UINTAH	9S-24E	8
43-047-35912	ENDURING RESOURCES, LLC	BONANZA 9-24-22-8	Gas Well	Shut-In	BIG VALLEY	UINTAH	9S-24E	8
43-047-35693	ENDURING RESOURCES, LLC	BONANZA 9-24-31-27	Gas Well	Shut-In	BONANZA	UINTAH	9S-24E	27
43-047-35550	ENDURING RESOURCES, LLC	BONANZA 9-24-33-18	Gas Well	Shut-In	DEVILS PLAYGROUND	UINTAH	9S-24E	18
43-047-35692	ENDURING RESOURCES, LLC	BONANZA 9-24-33-8	Gas Well	Shut-In	BIG VALLEY	UINTAH	9S-24E	8
43-047-35923	ENDURING RESOURCES, LLC	BONANZA 9-24-42-27	Gas Well	Drilling Operations Suspended	BONANZA	UINTAH	9S-24E	27
43-047-35920	ENDURING RESOURCES, LLC	BONANZA 9-24-42-7	Gas Well	Shut-In	BIG VALLEY	UINTAH	9S-24E	7
43-047-38800	ENDURING RESOURCES, LLC	BONANZA 9-24-44-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36276	ENDURING RESOURCES, LLC	BUCK CAMP 11-22-11-25	Gas Well	Producing	BUCK CANYON	UINTAH	11S-22E	25
43-047-36274	ENDURING RESOURCES, LLC	BUCK CAMP 11-22-11-26	Gas Well	Producing	BUCK CANYON	UINTAH	11S-22E	26
43-047-36277	ENDURING RESOURCES, LLC	BUCK CAMP 11-22-11-36	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	11S-22E	36
43-047-37836	ENDURING RESOURCES, LLC	BUCK CAMP 11-22-14-36	Water Disposal Well	Active	BUCK CANYON	UINTAH	11S-22E	36
43-047-37656	ENDURING RESOURCES, LLC	BUCK CAMP 12-22-21-2	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-22E	2
43-047-36273	ENDURING RESOURCES, LLC	BUCK CAMP 12-22-31-2	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-22E	2
43-047-39204	ENDURING RESOURCES, LLC	BUCK CAMP U 12-22-23-5	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-22E	5
43-047-36139	ENDURING RESOURCES, LLC	BUCK CAMP U 12-22-31-5	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-22E	5
43-047-35899	ENDURING RESOURCES, LLC	BUCK CANYON 12-22-34-6	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-22E	6
43-047-37091	ENDURING RESOURCES, LLC	BUCK CYN 12-21-43-16	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-21E	16
43-047-34815	ENDURING RESOURCES, LLC	CARTWRIGHT 9-24-31-35	Gas Well	Plugged and Abandoned	BONANZA	UINTAH	9S-24E	35
43-047-31774	ENDURING RESOURCES, LLC	COTTONWOOD WASH U 12-21-32-10	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-21E	10
43-047-33343	ENDURING RESOURCES, LLC	DWR 12-23-12-28	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	12S-23E	28
43-047-33344	ENDURING RESOURCES, LLC	DWR 12-23-13-21	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	12S-23E	21
43-047-33484	ENDURING RESOURCES, LLC	DWR 12-23-31-21	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	12S-23E	21
43-047-33251	ENDURING RESOURCES, LLC	EAST BENCH 11-22-23-16	Gas Well	Plugged and Abandoned	UNDESIGNATED	UINTAH	11S-22E	16
43-047-31778	ENDURING RESOURCES, LLC	EAST BENCH UNIT 1	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	11S-22E	33
43-047-30098	ENDURING RESOURCES, LLC	FEDERAL 28-01	Dry Hole	Plugged and Abandoned	WILDCAT	UINTAH	8S-25E	28
43-047-38278	ENDURING RESOURCES, LLC	HANGING ROCK 11-23-24-36	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-23E	36
43-047-38969	ENDURING RESOURCES, LLC	HANGING ROCK 11-23-31-28	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	28
43-047-38280	ENDURING RESOURCES, LLC	HANGING ROCK 11-23-42-36	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-23E	36
43-047-38282	ENDURING RESOURCES, LLC	HANGING ROCK 11-23-43-36	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-23E	36
43-047-36308	ENDURING RESOURCES, LLC	HANGING ROCK 11-23-44-32	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	32
43-047-36111	ENDURING RESOURCES, LLC	HANGING ROCK 12-24-11-18	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	12S-24E	18
43-047-36315	ENDURING RESOURCES, LLC	HARDTAIL FED 11-23-12-34	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-23E	34



API Well #	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twn-Rng)	Section
43-047-34814	ENDURING RESOURCES, LLC	LITTLE JOE 9-25-41-7	Gas Well	Plugged and Abandoned	WILDCAT	UINTAH	9S-25E	7
43-047-37391	ENDURING RESOURCES, LLC	N HORSESHOE 3-16-6-21	Gas Well	Plugged and Abandoned	WILDCAT	UINTAH	6S-21E	16
43-047-37399	ENDURING RESOURCES, LLC	N WALKER HOLLOW 2-32-6-23	Gas Well	Plugged and Abandoned	UNDESIGNATED	UINTAH	6S-23E	32
43-047-37567	ENDURING RESOURCES, LLC	RAINBOW 11-24-21-20	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-24E	20
43-047-37948	ENDURING RESOURCES, LLC	RAINBOW 11-24-23-17	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-24E	17
43-047-36150	ENDURING RESOURCES, LLC	RAINBOW 11-24-24-17	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-24E	17
43-047-37949	ENDURING RESOURCES, LLC	RAINBOW 11-24-33-17	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-24E	17
43-047-36151	ENDURING RESOURCES, LLC	RAINBOW 11-24-41-17	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-24E	17
43-047-36735	ENDURING RESOURCES, LLC	RED WASH 9-24-23-30	Gas Well	Shut-In	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36734	ENDURING RESOURCES, LLC	RED WASH 9-24-34-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36534	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-13-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-35902	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-14-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-36407	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-21-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-36409	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-32-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-37789	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-33-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-37940	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-41-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-37826	ENDURING RESOURCES, LLC	ROCK HOUSE 10-22-42-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-38132	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-11-30	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	30
43-047-38197	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-11-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-36547	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-12-30	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	30
43-047-36411	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-14-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-37832	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-21-30	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-23E	30
43-047-38477	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-22-30	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	30
43-047-38153	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-23-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-38196	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-24-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-38101	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-31-30	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	30
43-047-36337	ENDURING RESOURCES, LLC	ROCK HOUSE 10-23-43-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-35761	ENDURING RESOURCES, LLC	ROCK HOUSE 10D-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-36153	ENDURING RESOURCES, LLC	ROCK HOUSE 11-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-37867	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-22-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-38034	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-24-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-38037	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-33-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-38036	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-34-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-38033	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-41-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-37865	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-42-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-36152	ENDURING RESOURCES, LLC	ROCK HOUSE 11-23-44-2	Gas Well	Producing	ROCK HOUSE	UINTAH	11S-23E	2
43-047-33312	ENDURING RESOURCES, LLC	ROCK HOUSE 11-31	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	31
43-047-35900	ENDURING RESOURCES, LLC	ROCK HOUSE 11-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-35762	ENDURING RESOURCES, LLC	ROCK HOUSE 12D-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-35760	ENDURING RESOURCES, LLC	ROCK HOUSE 2D-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-35759	ENDURING RESOURCES, LLC	ROCK HOUSE 2D-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-36307	ENDURING RESOURCES, LLC	ROCK HOUSE 3-32-10-23	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-35901	ENDURING RESOURCES, LLC	ROCK HOUSE 4-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	10S-22E	36
43-047-36410	ENDURING RESOURCES, LLC	ROCK HOUSE 5-32-10-23	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-35409	ENDURING RESOURCES, LLC	ROCK HOUSE 6D-32	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-36306	ENDURING RESOURCES, LLC	ROCK HOUSE 7-32-10-23	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-23E	32
43-047-36288	ENDURING RESOURCES, LLC	ROCKHOPPER FED 11-24-23-29	Gas Well	Plugged and Abandoned	OIL SPRINGS	UINTAH	11S-24E	29
43-047-36933	ENDURING RESOURCES, LLC	SOUTHAM CYN 10-25-11-6	Gas Well	Shut-In	UNDESIGNATED	UINTAH	10S-25E	6
43-047-38910	ENDURING RESOURCES, LLC	SOUTHAM CYN 9-24-13-36	Gas Well	Shut-In	BONANZA	UINTAH	9S-24E	36
43-047-36238	ENDURING RESOURCES, LLC	SOUTHMAN CYN 10-24-13-30	Gas Well	Producing	NATURAL BUTTES	UINTAH	10S-24E	30
43-047-35361	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-11-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36531	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-12-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35364	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-13-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36532	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-14-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36530	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-21-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35362	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-22-36	Water Disposal Well	Active	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36535	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-23-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35770	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-24-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35365	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-31-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36

API Well #	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twn-Rng)	Section
43-047-36536	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-32-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35363	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-33-36	Gas Well	Shut-In	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36529	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-34-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36537	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-41-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35771	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-42-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-36533	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-43-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35772	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-23-44-36	Gas Well	Producing	NATURAL BUTTES	UINTAH	9S-23E	36
43-047-35913	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-11-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36104	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-13-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36103	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-22-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-35691	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-31-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-35967	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-42-30	Gas Well	Producing	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36019	ENDURING RESOURCES, LLC	SOUTHMAN CYN 9-24-43-30	Gas Well	Shut-In	DEVILS PLAYGROUND	UINTAH	9S-24E	30
43-047-36314	ENDURING RESOURCES, LLC	STUMPJUMPER FED 11-23-23-33	Gas Well	Plugged and Abandoned	ROCK HOUSE	UINTAH	11S-23E	33
43-047-32604	ENDURING RESOURCES, LLC	THIMBLE ROCK FEDERAL 11-24-44-23	Gas Well	Plugged and Abandoned	ASPHALT WASH	UINTAH	11S-24E	23
43-047-35559	ENDURING RESOURCES, LLC	THURSTON FED 12-21-24-12	Gas Well	Plugged and Abandoned	BUCK CANYON	UINTAH	12S-21E	12

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number <b>SOUTHMAN CANYON 09-23-22-36</b>	API Number <b>4304735362</b>
Location of Well	Field or Unit Name <b>NATURAL BUTTES</b>
Footage: _____ County <b>UINTAH</b>	Lease Designation and Number <b>STS</b>
QQ, Section, Township, Range: <b>SENW 36 9S 23E</b> State: <b>UTAH</b>	

**EFFECTIVE DATE OF TRANSFER:** 10/1/2016

**CURRENT OPERATOR**

Company: <u>ENDURING RESOURCES LLC</u>	Name: _____
Address: <u>511 SIXTEENTH STREET SUITE 700</u>	Signature: _____
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: _____
Phone: <u>(303) 573-1222</u>	Date: _____
Comments: _____	

**NEW OPERATOR**

Company: <u>WESTSTAR EXPLORATION COMPANY</u>	Name: <u>WILLIAM C. GILMORE</u>
Address: <u>1001 WEST LOOP SOUTH SUITE 525</u>	Signature: <u><i>William C. Gilmore</i></u>
city <u>HOUSTON</u> state <u>TX</u> zip <u>77027</u>	Title: <u>PRESIDENT</u>
Phone: <u>(713) 223-5837</u>	Date: <u>10-3-17</u>
Comments: _____	

(This space for State use only)

Transfer approved by: *Don Jones*  
Title: *Geologist*

Approval Date: 10/12/17

Comments: EPA approval required

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number <b>BUCK CAMP 11-22-14-36</b>	API Number <b>4304737836</b>
Location of Well  Footage: _____ County <b>UINTAH</b> QQ, Section, Township, Range: <b>SWSW 36 11S 22E</b> State <b>UTAH</b>	Field or Unit Name <b>BUCK CANYON</b> Lease Designation and Number <b>ML 47077</b>

**EFFECTIVE DATE OF TRANSFER:** 10/1/2016

**CURRENT OPERATOR**

Company: <u>ENDURING RESOURCES LLC</u>	Name: _____
Address: <u>511 SIXTEENTH STREET SUITE 700</u>	Signature: _____
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: _____
Phone: <u>(303) 573-1222</u>	Date: _____
Comments: _____	

**NEW OPERATOR**

Company: <u>WESTSTAR EXPLORATION COMPANY</u>	Name: <u>WILLIAM C. GILMORE</u>
Address: <u>1001 WEST LOOP SOUTH SUITE 525</u>	Signature: <u><i>William C. Gilmore</i></u>
city <u>HOUSTON</u> state <u>TX</u> zip <u>77027</u>	Title: <u>PRESIDENT</u>
Phone: <u>(713) 223-5837</u>	Date: <u>10-3-17</u>
Comments: _____	

(This space for State use only)

Transfer approved by *Douglas* Approval Date: 10/12/17  
 Title: Geologist

Comments: Epa approval required



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

# COMPLIANCE

Richard Powell, 4/28/2021

# ACHIEVED

## NOTICE OF VIOLATION UTAH OIL AND GAS CONSERVATION ACT

TO THE FOLLOWING OPERATOR:

Date of Mailing: 12/15/2020

Certified Mail No.: 7015 0640 0003 5303 6964

Bill Gilmore

Weststar Exploration

1001 West Loop S, Suite 525

Houston, Texas 77027

**Compliance Deadline: 1/4/2021**

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the described site and/or records on the date listed below and has found alleged violation(s) of the act, rules or permit conditions as described below.

### Description of Violation(s):

Poor housekeeping field wide. General well site maintenance is lacking, including cleanup of small spills, securing or disposing of loose tin, insulation and other debris.

There are weeds and other vegetation around wellheads, production equipment, flow lines and production tanks. Vegetation around this equipment constitutes a fire hazard.

NOTE: NOV sent via email on 12/15/2020 to [billgillmore@weststarexploration.com](mailto:billgillmore@weststarexploration.com)

### Rule Reference(s):

**Rule R649-3-15. Pollution and Surface Damage Control**

Well(s) or Facility in Violation listed on next page



**Required Actions:**

Provide general housekeeping and maintenance of well sites. Secure or remove and properly dispose of any loose tin and insulation from production tanks.

Remove weeds and other vegetation from nearby equipment, separators, flow-lines, and tanks.

Clean up and properly dispose of any hydrocarbon, produced water or chemical impacted soil or gravel.

**\* Fines may be levied up to \$10,000.00 per day for every well in violation given the authority provided under U.C.A 40-6-11, part 4**

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

**Compliance Deadline: 1/4/2021**

**Richard  
Powell**

Digitally signed by Richard  
Powell  
Date: 2020.12.14 17:33:58  
-07'00'

Environmental Scientist

(435) 790-6145

cc: Compliance File  
Well / Facility File  
Bart Kettle, Acting Deputy Dir.  
Josh Payne, Compliance Mgr  
Dustin Doucet, Petroleum Engineer

Tyson Todd, SITLA  
Haley Sousa, Attorney General's Office  
Charles Lyons, Attorney General's Office

**List of Well(s) or Facility in Violation:**

<u>Well or Facility Name</u>	<u>API #</u>	<u>Date of Inspection</u>
Archy Bench 11-22-22-2	43-047-36786	12/1/2020
Archy Bench 11-22-13-2	43-047-36785	12/1/2020
Rock House 10-22-14-36	43-047-35902	12/1/2020
Rock House 10-22-13-36	43-047-36534	12/1/2020
Rock House 10-22-42-36	43-047-37826	12/1/2020
Rock House 10-23-31-30	43-047-38101	12/1/2020
Rock House 10-23-23-32	43-047-38153	12/2/2020
Rock House 6D-32	43-047-35409	12/2/2020
Rock House 10D-32	43-047-35761	12/2/2020
Rock House 11-23-22-2	43-047-37867	12/2/2020
Rock House 11-2	43-047-36153	12/2/2020
Bonanza 9-24-11-16	43-047-35622	12/3/2020
Southman Cyn 9-23-42-36	43-047-35771	12/3/2020
Southman Cyn 9-23-44-36	43-047-35772	12/3/2020
Southman Cyn 9-23-24-36	43-047-35770	12/3/2020
Southman Cyn 9-23-14-36	43-047-36532	12/3/2020

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-47063	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> Rock House 6D-32
<b>2. NAME OF OPERATOR:</b> Weststar Exploration Co	<b>9. API NUMBER:</b> 43047354090000
<b>3. ADDRESS OF OPERATOR:</b> 1001 W Loop S, Suite 525 , Houston, TX, 77027	<b>PHONE NUMBER:</b> 713-223-5837
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1938 FNL 2121 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 32 Township: 10S Range: 23E Meridian: S
<b>COUNTY:</b> UINTAH	<b>STATE:</b> UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/21/2021  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

WestStar purposes to reinstate the existing perforations in this well as the water coming from this formation has a tendency to deposit a calcium-based scale. Which can result in production declines making the well uneconomical. The scale is soluble when exposed to Hydrochloric acid (HCL). This well has not had immediate acid treatments according to the well files. If this effort to stimulate the current gas-producing zones turns out to be uneconomical the well will be plugged back into green river state (Castle gate formation) at 2900 to 3000 feet. If the attempt is unsuccessful and uneconomical the well will be plugged and abandoned. WestStar plans to Acidize 1000 HCl.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** February 10, 2021

**By:** *Derek Quint*

**Please Review Attached Conditions**

<b>NAME (PLEASE PRINT)</b> Lauren Gallegos	<b>PHONE NUMBER</b> 713-223-5837	<b>TITLE</b> Executive Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/8/2021	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions For Well Number 43047354090000**

**This approval is for the acidizing work only. Prior to commencing any plug back or recompletion work, a new sundry should be submitted and approved containing complete details on the proposed work.**

**Weststar will notify the Division 5 days prior to commencing the work. Contact Richard Powell at 435.790.6145.**

**As per the Stipulation and Agreement between Weststar and the Division, please note the schedule that needs to be adhered to for work to be done on this well and other wells subject to the agreement:**

**"Beginning on April 1, 2021, and on a monthly basis thereafter, Weststar will attempt to work over and establish economic production from one of the wells listed in Table 1 of paragraph 2. If Weststar cannot establish economic production, then it will properly plug and abandon the well in accordance with Utah Admin. Code R649-3-24. On a monthly basis, and five business days prior to work commencing, Weststar will notify the Division as to which well it will begin working that month. All wells listed in Table 1 of paragraph 2 will either be producing or properly plugged and abandoned in accordance with Utah Admin. Code R649-3-24 by January 31, 2022."**





SPENCER J. COX  
Governor

DEIDRE M. HENDERSON  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 7th, 2021

Weststar Exploration Co.  
Sophia Gallegos  
PO Box 56203  
Houston, TX 77256

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases and SWD's

Dear Sophia Gallegos,

As of December 2021, Weststar Exploration has 3 new wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2

December 7, 2021

Subject: Weststar Exploration Co. SITA Letter

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 will be subject to full cost bonding (R649-3-1-4.2, 4.3).

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5290.

Sincerely,

**Megan Crocker**

Digitally signed by Megan Crocker  
Date: 2021.12.07 09:22:09 -07'00'

Megan Crocker  
Geologist

cc: Compliance File  
Well File  
Dustin Doucet  
Richard Powell  
Haley Sousa  
Josh Payne

Page 3

December 7, 2021

Subject: Weststar Exploration Co. SITA Letter

## ATTACHMENT A

<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Inactive (Months)</b>
Rock House 10-23-23-32	4304738153	State	13
Rock House 11-23-42-2	4304737865	State	13
Rock House 6D-32	4304735409	State	13



SPENCER J. COX  
Governor

DEIDRE M. HENDERSON  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 1st, 2022

Weststar Exploration Co.  
Sophia Gallegos  
PO Box 56203  
Houston, TX 77256

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases and SWD's

Dear Sophia Gallegos,

As of March 2022, Weststar Exploration has 49 wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

All 49 wells listed are also in noncompliance with the bonding requirements in accordance with Rule R649-3-1. This is due to forfeiture as stated in Weststar's Notice of Default, dated July 2, 2021, whereas adequate replacement bonding shall be in place before continuing operations.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2

March 1, 2022

Subject: Weststar Exploration Co. SITA Letter

Please note that the Divisions preferred method for showing well integrity is by MIT.

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 will be subject to full cost bonding (R649-3-1-4.2, 4.3).

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5290.

Sincerely,

**Megan Crocker** Digitally signed by Megan Crocker  
Date: 2022.03.01 16:44:46 -07'00'

Megan Crocker  
Geologist

cc: Compliance File  
Well File  
Bart Kettle  
Dustin Doucet  
Richard Powell  
Josh Payne

March 1, 2022

Subject: Weststar Exploration Co. SITA Letter

## ATTACHMENT A

<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Inactive (Months)</b>
Archy Bench 11-22-14-2	4304736788	State	14
Bonanza 9-24-11-16	4304735622	State	13
Bonanza 9-24-44-30	4304738800	Fee	13
Hanging Rock 11-23-44-32	4304736308	State	14
Red Wash 9-24-23-30	4304736735	Fee	13
Red Wash 9-24-34-30	4304736734	Fee	13
Rock House 10-22-32-36	4304736409	State	30
Rock House 10-22-41-36	4304737940	State	14
Rock House 10-22-42-36	4304737826	State	14
Rock House 10-23-11-32	4304738197	State	13
Rock House 10-23-14-32	4304736411	State	13
*Rock House 10-23-23-32	4304738153	State	16
Rock House 10-23-24-32	4304738196	State	13
Rock House 10-23-31-30	4304738101	Fee	13
Rock House 10-23-43-32	4304736337	State	13
Rock House 10D-32	4304735761	State	13
Rock House 11-2	4304736153	State	13
Rock House 11-23-22-2	4304737867	State	14
Rock House 11-23-24-2	4304738034	State	13
Rock House 11-23-33-2	4304738037	State	17
Rock House 11-23-34-2	4304738036	State	13
Rock House 11-23-41-2	4304738033	State	14
*Rock House 11-23-42-2	4304737865	State	16
Rock House 11-23-44-2	4304736152	State	40
Rock House 11-36	4304735900	State	17
Rock House 12D-32	4304735762	State	15
Rock House 2D-32	4304735760	State	13
Rock House 2D-36	4304735759	State	14
Rock House 3-32-10-23	4304736307	State	13
ROCK HOUSE 4-36	4304735901	State	90
Rock House 5-32-10-23	4304736410	State	13
*Rock House 6D-32	4304735409	State	16
Rock House 7-32-10-23	4304736306	State	13
Southman Cyn 9-23-11-36	4304735361	State	13
Southman Cyn 9-23-12-36	4304736531	State	13
Southman Cyn 9-23-13-36	4304735364	State	13
Southman Cyn 9-23-14-36	4304736532	State	13
Southman Cyn 9-23-21-36	4304736530	State	13

Page 4

March 1, 2022

Subject: Weststar Exploration Co. SITA Letter

Southman Cyn 9-23-23-36	4304736535	State	13
Southman Cyn 9-23-24-36	4304735770	State	13
Southman Cyn 9-23-31-36	4304735365	State	13
Southman Cyn 9-23-32-36	4304736536	State	13
Southman Cyn 9-23-33-36	4304735363	State	18
Southman Cyn 9-23-34-36	4304736529	State	13
Southman Cyn 9-23-41-36	4304736537	State	13
Southman Cyn 9-23-42-36	4304735771	State	13
Southman Cyn 9-23-43-36	4304736533	State	13
Southman Cyn 9-23-44-36	4304735772	State	13

\*sent letter in December 2021