

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Retamco Operating Inc.

3. ADDRESS AND TELEPHONE NO.  
 HCR Box 1010 Roberts, MT 59070 (406) 248-5594

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface <sup>604</sup> 1980.2' FWL, 1980.3' FSL of Sec. 31 T10S, R23E RECEIVED  
 At proposed prod. zone Same <sup>639244.41</sup> <sup>4418134.70</sup> OCT 19 1998

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 19.7 miles SW of Rainbow

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1980.2'

16. NO. OF ACRES IN LEASE 479.20

17. NO. OF ACRES ASSIGNED TO THIS WELL 319.84

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 7,000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5738.1' GR

22. APPROX. DATE WORK WILL START\* 5/1/99

5. LEASE DESIGNATION AND SERIAL NO. UTU 76281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO. RockHouse 11-31

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NESW 31 T10S, R23E

12. COUNTY OR PARISH Uintah

13. STATE Utah

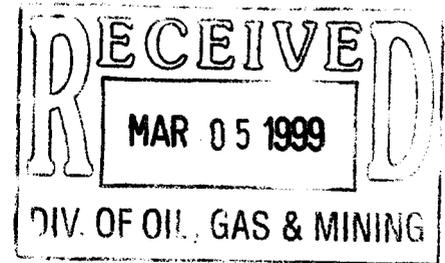
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12.25"	9 5/8 J55	24#	300'	To Surface
7 7/8"	4 1/2 J55	11.6#	TD	Cement top to cover the Oil Shale

Operator requests permission to drill the subject well.  
 Please see the attached 10 Point Drilling Program and 13 Point Surface Use Plan.

If you require additional information please contact:

Joe Glennon  
 671 Garnet  
 Billings, MT 59105  
 406/248-5594



Federal Approval of this  
 Action is Necessary

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Joe Glennon TITLE Joe Glennon A-I-F DATE 9/15/98

(This space for Federal or State office use)

PERMIT NO. 43-047-33312 APPROVAL DATE \_\_\_\_\_

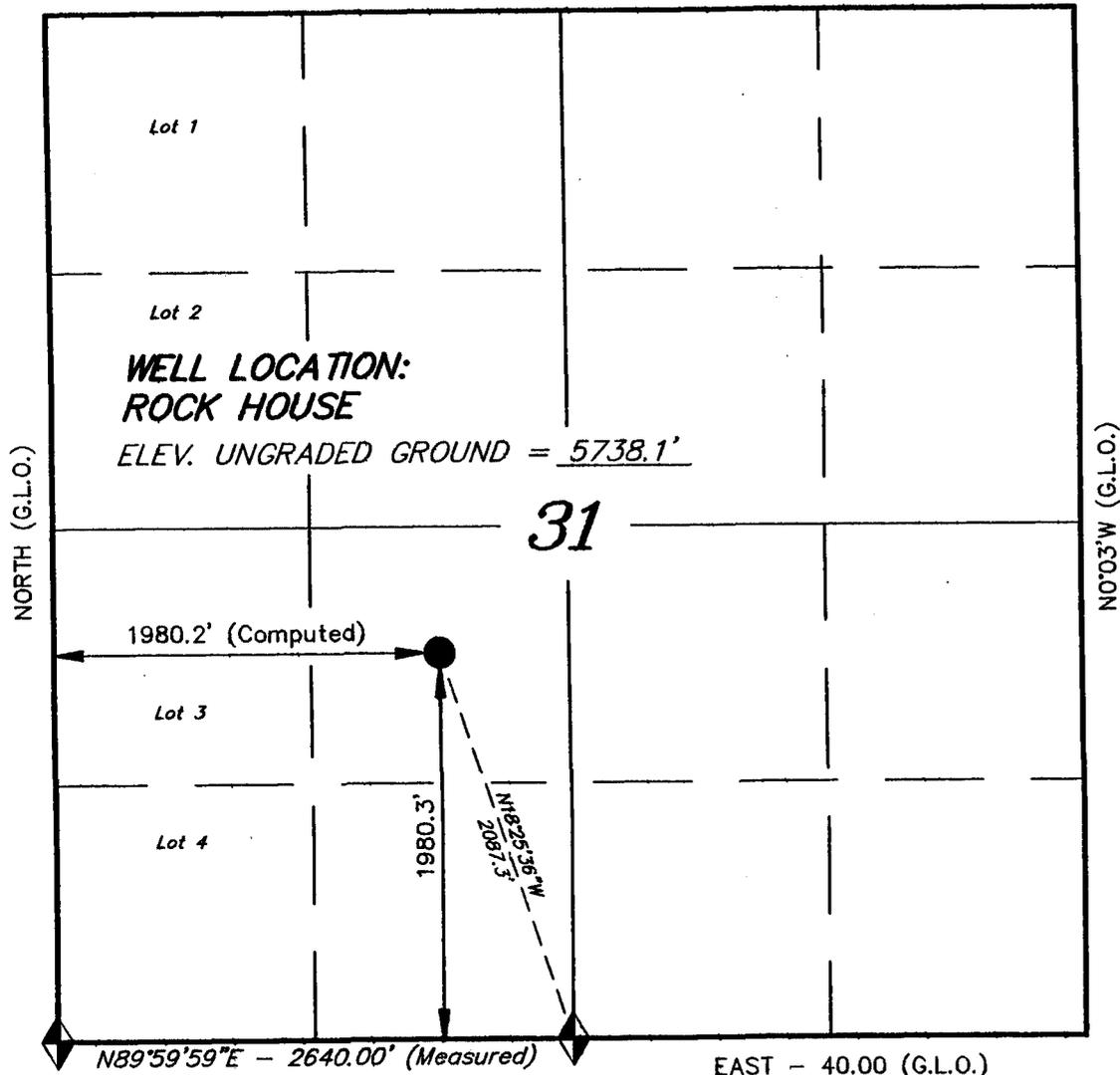
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 3/18/99

\*See Instructions On Reverse Side

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

N89°57'E - 79.96 (G.L.O.)



NORTH (G.L.O.)

N0°03'W (G.L.O.)

**WELL LOCATION:  
ROCK HOUSE**

ELEV. UNGRADED GROUND = 5738.1'

**31**

1980.2' (Computed)

Lot 3

Lot 4

1980.3'

N18°25'36\"/>

N89°59'59\"/>

EAST - 40.00 (G.L.O.)

BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

◆ = SECTION CORNERS LOCATED

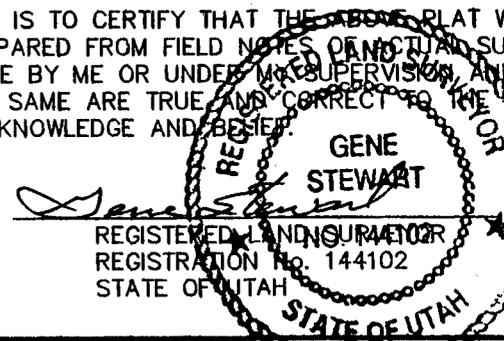
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (ASPHALT WASH)

## RETAMCO OPERATING COMPANY

WELL LOCATION, ROCK HOUSE, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 31, T10S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH.



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.



### TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(435) 781-2501

SCALE:	1" = 1000'	SURVEYED BY:	D.S.
DATE:	8-13-98	WEATHER:	WARM
DRAWN BY:	J.R.S.	REVISIONS:	



4. Proposed Casing Program: (Continued)

Tail	Class "G" 10% Salt, 10% Gel .1% R-3 .4lbs/sk FL 25	580 sks +/-	1.44 cu.ft./sk	15.23 lbs./gal
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- Note: Actual volumes to be calculated from log. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing string and cementing.
- After cementing but before commencing any test, the casing string shall stand cemented until cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the drillers log.

5. Pressure Control Equipment: (See Attached)

Retamco Operating Inc.'s anticipated bottom hole pressure will be less than 3000 psi.

BOP system as described has a 3000 psi working pressure. BOP will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2".

The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>
0-300'	Water/Gel	Air/Clean Wtr.	-----	No Control
300-2500'	Water/Gel	Clean Water	-----	No Control
2500 - TD	Water/Gel	8.4 - 8.8	30-36	8-10

- Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.
- A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss and PH.

6. Mud Program: (Continued)

Mud monitoring equipment to be used is as follows:

Periodic checks will be made each tour of the mud system. The mud level will be checked visually

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No Chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds and no extremely hazardous substances in threshold planning quantities, (as defined in 40 CFR 355) will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3

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 mud logger will be used from 800' to TD. No drill stem tests are anticipated. The logging program will consist of a DIL-GR from TD to base of Surface casing and a DSI-GR will be run from TD to the base of surface casing. No cores are anticipated.

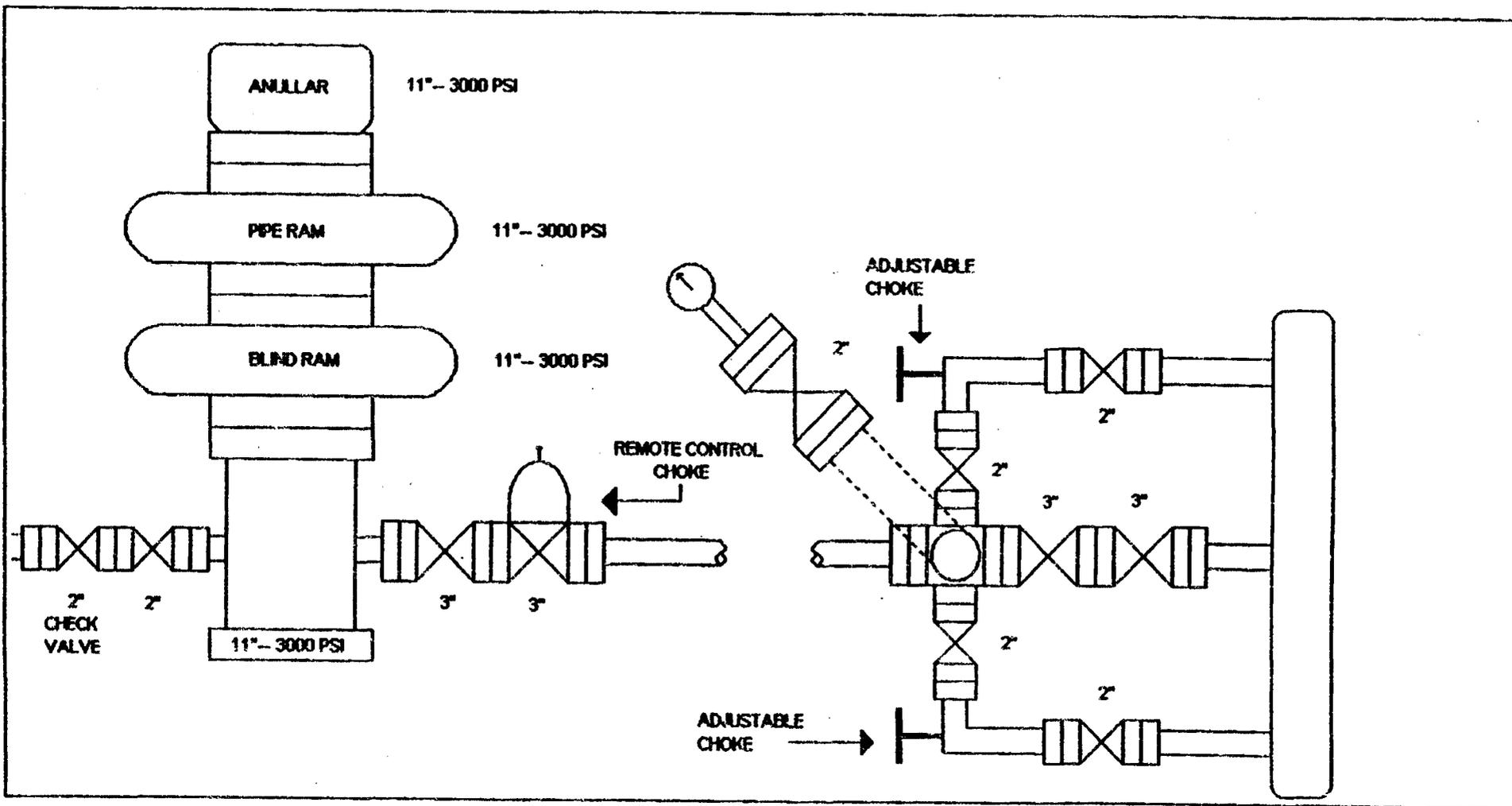
Well completion reports and 2 copies all logs and will be submitted to the BLM not later than 30 days after completion of the well.

9. Anticipated Abnormal Pressures or Temperatures Expected:

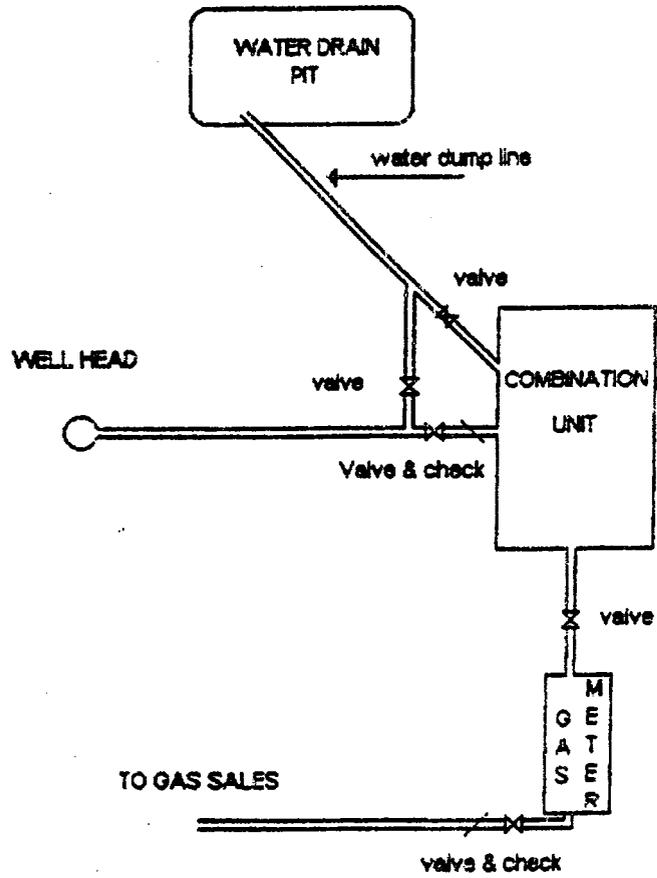
No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in the formations to be penetrated from previous wells drilled to similar depths in the general area.

10. Anticipated Starting Date and Duration Of The Operation:

Starting date: May 1, 1999  
Duration: 30 days



TYPICAL GAS WELL



**SELF-CERTIFICATION STATEMENT**

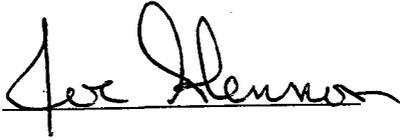
The following self-certification is provided per Federal requirements dated June 15, 1988.

Please be advised that Retamco Operating Inc. is considered to be the operator of the following well.

Rock House #11-31  
NESW Section 31, T10S,R23E  
Lease UTU 76281  
Uintah County, Utah

Retamco Operating Inc. is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

State Wide Bond Coverage is provided by Bond Fed. UT-1088.



Joe Glennon, A-I-F  
Retamco Operating Inc.  
671 Garnet  
Billings, MT 59105  
406/248-5594 Office  
406/860-2626 Cell  
406/248-6068 Fax

## Multi-Point Surface Use and Operations Plan

RETAMCO OPERATING COMPANY  
ROCK HOUSE  
NE SW SEC. 31, T10S, R23E, S.L.B.&M.  
UINTAH COUNTY, UTAH

### **1. Existing Roads: Refer to Maps "A" & "B"**

- A. The proposed well site is staked and reference stakes are present.
- B. The Rock House Location is located 11 miles Northwest of Rainbow Utah in the NE1/4 SW1/4 Section 31, T10S, R23E, SLB&M, Uintah County, Utah. To reach the Rock House, proceed Southwest from Rainbow, Utah for 8.2 miles to a road intersection; Turn left and proceed 5.8 miles to a road intersection, turn left and continue 3.5 miles to the proposed access road sign. Follow flags 2.2 miles to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

### **2. Planned Access Roads: Refer to Map "B"**

Approximately 2.2 miles of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.
- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road.

Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - none.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.
- J. The proposed access road has been centerline flagged.
- K. If a right-of-way is required please consider this APD the application for said right-of-way.

### **3. Location of Existing Wells Within a One-Mile Radius:**

- A. Water wells - none known.
- B. Abandoned wells - none known
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - none known.
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Retamco Operating Co. Within a One-Mile Radius:**

A. Existing

- 1. Tank batteries - none.
- 2. Production facilities - none.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - none.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

- 4. All permanent (onsite for six months or longer) above the ground structures constructed or installed

including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Retamco Operating Company shall be responsible for road maintenance from the beginning to completion of operations.

#### 5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2. *Target Trucking 43-8290 per Op. 3-17-99. Jc*
- B. No water well will be drilled on this location.

#### 6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for this location site and access roads shall be borrowed material accumulated during

the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. The trees on this location and along the access road will be disposed of in whatever manner the B.L.M. recommends .

**7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Retamco Operating Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided

for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.

- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.

D. A diagram showing the proposed production facility layout is included in this APD.

E. The reserve pit will be constructed so as to be capable of holding 20,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.

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

2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.

3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.

2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR

3162.7-1.

3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Retamco Operating Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Retamco Operating Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Retamco Operating Company may be required to make subsequent seedings.

**B. Dry Hole/Abandoned Location**

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (a) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

**11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

**12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Rock House area, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 2.0 miles South of the White River, which is the major drainage for this area, and approximately 11 miles Northwest of Rainbow Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.

- C. 1. The closest live water is the White River which is approximately 2.0 miles North of the proposed site.
2. There are no occupied dwellings in the immediate area
3. An archaeological report will be forwarded upon completion.
4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Retamco Operating Company  
671 Garnet  
Billings, Montana 59105  
(406) 248-5594  
FAX: (406) 248-6068

Joe Glennon,

Home (406) 248-5594

**14. certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Retamco Operating Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/15/99

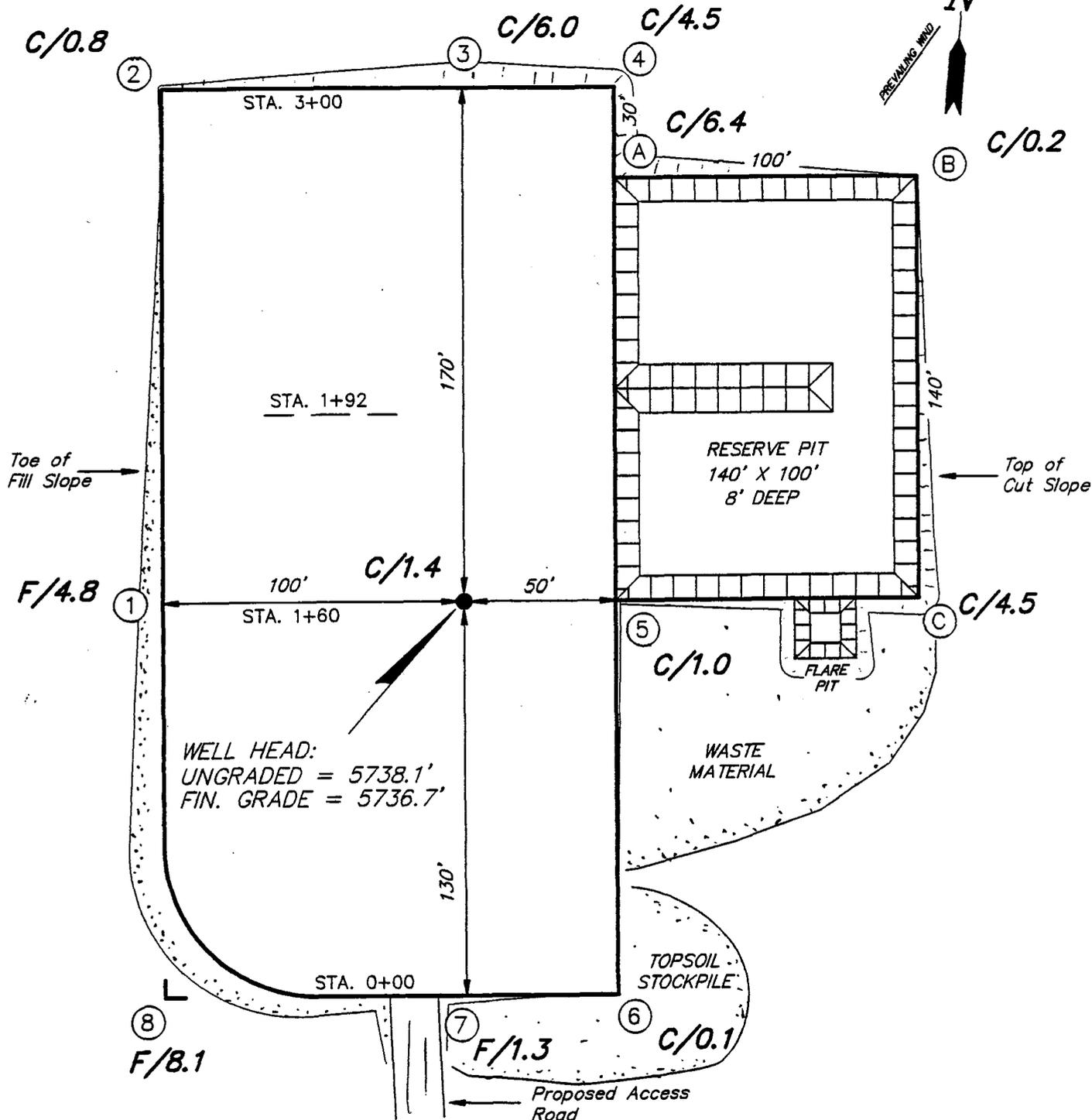
Date

Joe Glennon

Joe Glennon

# RETAMCO OPERATING COMPANY

**ROCK HOUSE**  
**SEC. 31, T10S, R23E, S.L.B.&M.**



**REFERENCE POINTS**

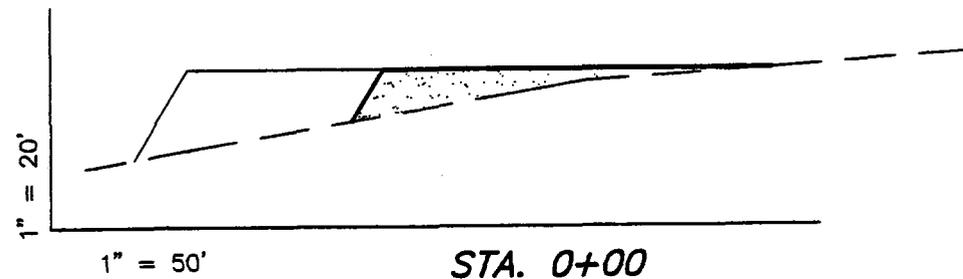
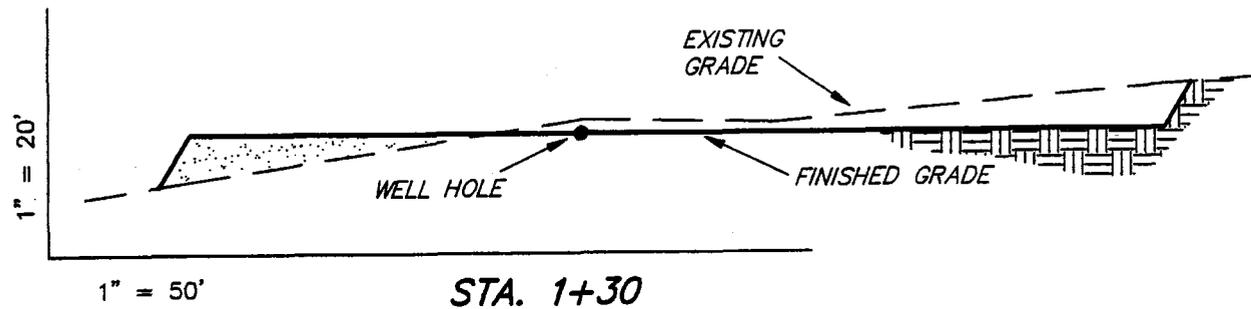
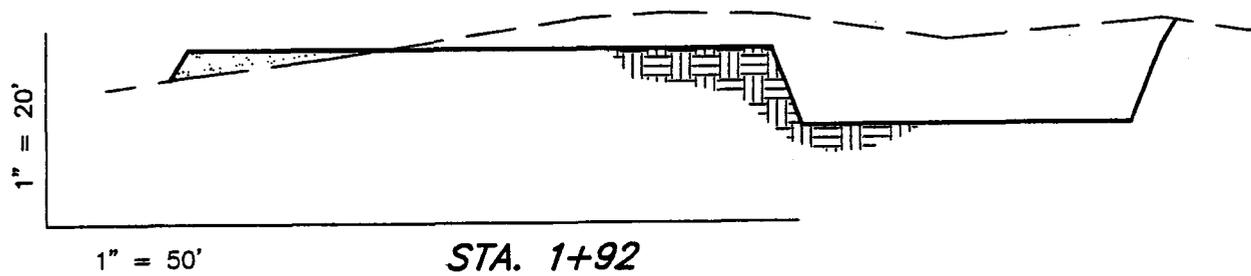
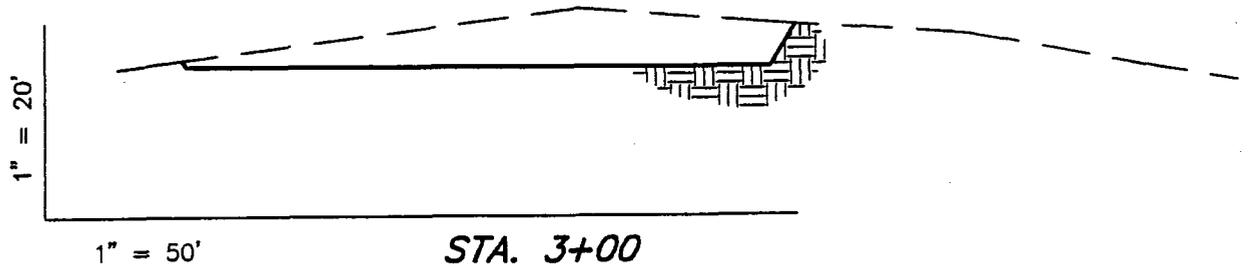
- 200' EAST = 5742.6'
- 250' EAST = 5744.2'
- 180' SOUTH = 5737.3'
- 230' SOUTH = 5739.2'

SURVEYED BY:	D.S.
DRAWN BY:	J.R.S.
DATE:	8-13-98
SCALE:	1" = 50'
REVISIONS:	


  
**Tri State**  
*Land Surveying, Inc.*  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

# CROSS SECTIONS

## ROCK HOUSE



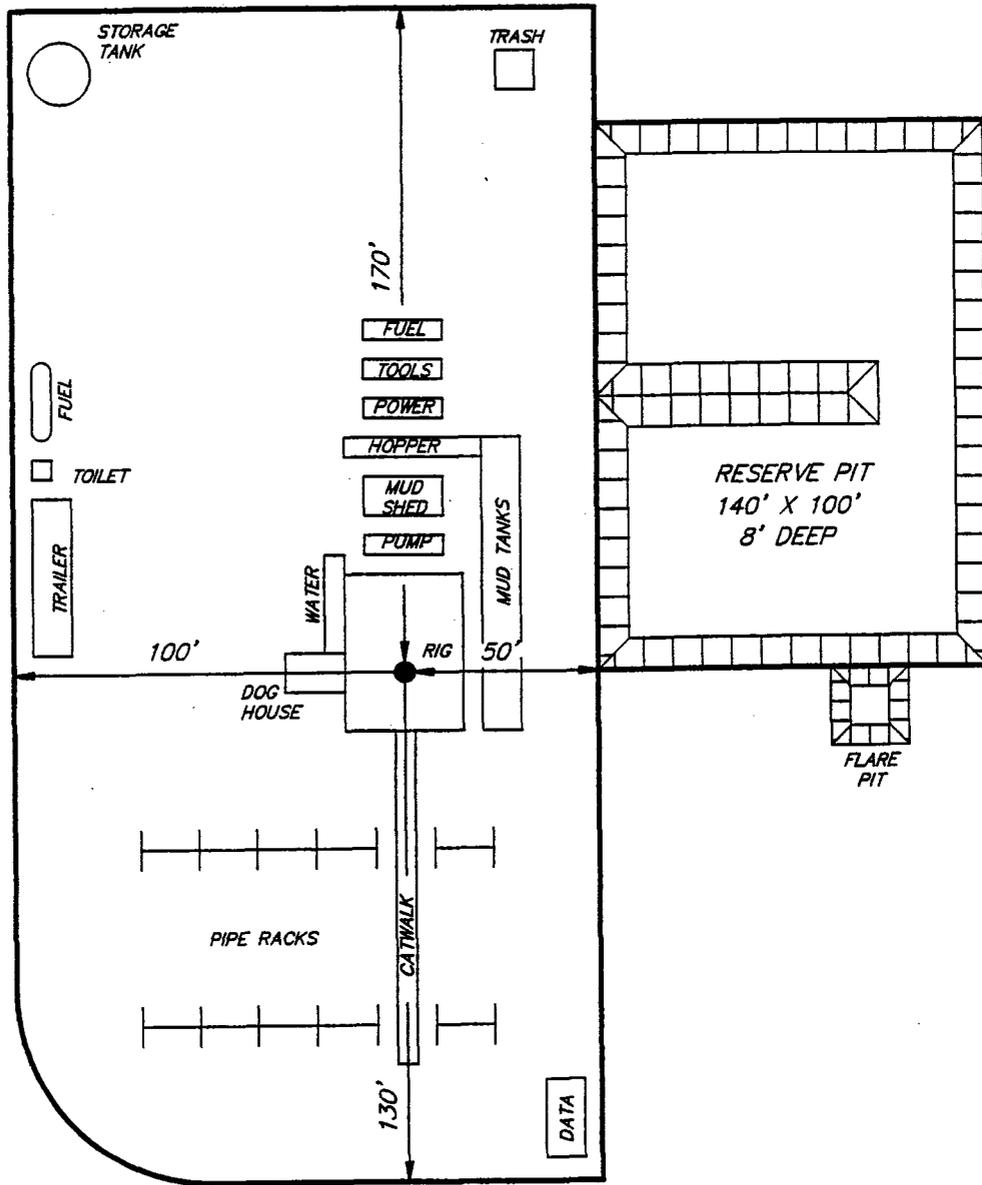
### APPROXIMATE YARDAGES

- CUT = 2,690 Cu. Yds.
- FILL = 2,680 Cu. Yds.
- PIT = 3,450 Cu. Yds.
- 6" TOPSOIL = 1,090 Cu. Yds.

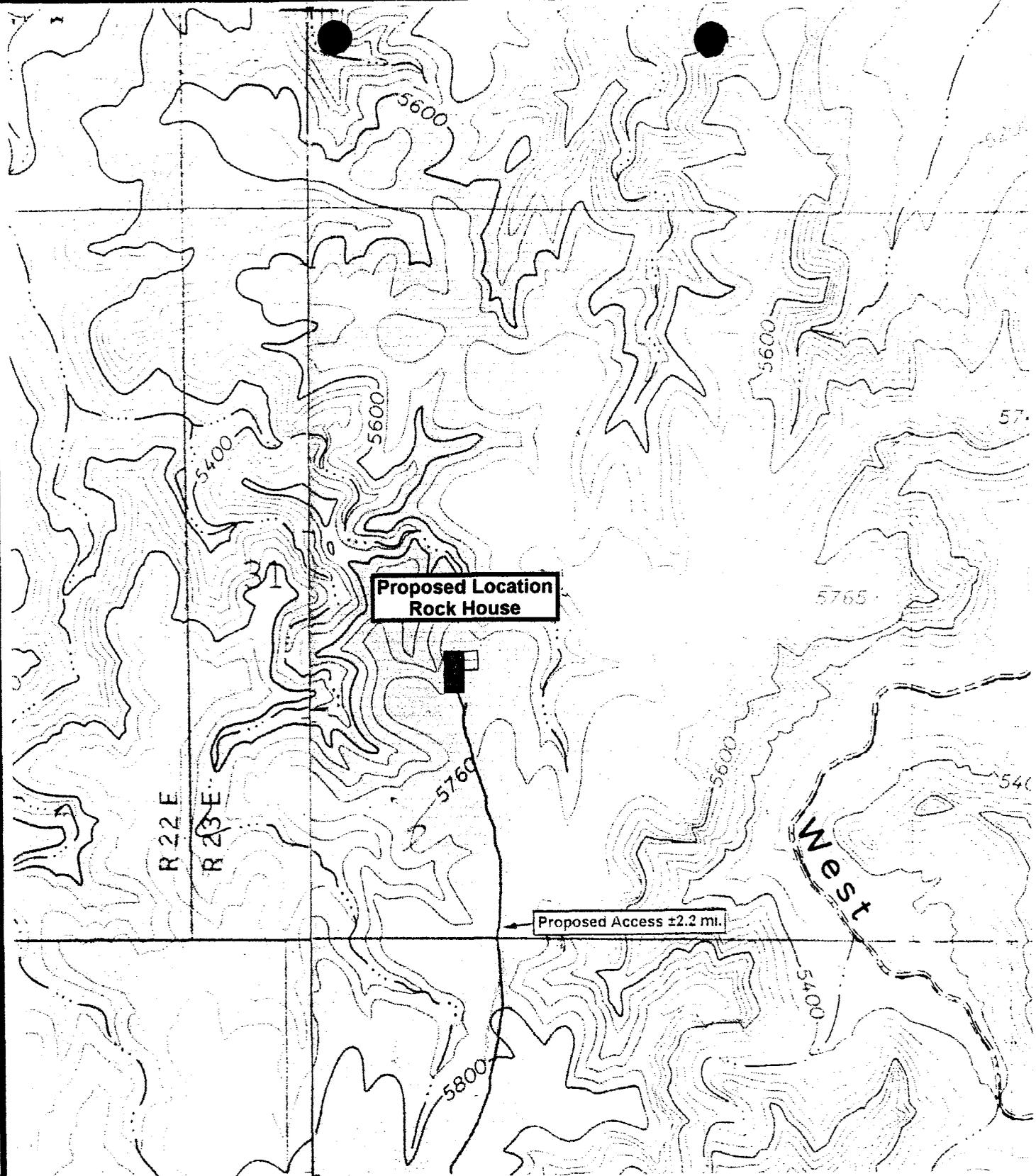
**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

# RIG LAYOUT

## ROCK HOUSE

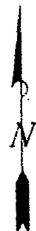


**Tri State**  
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(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

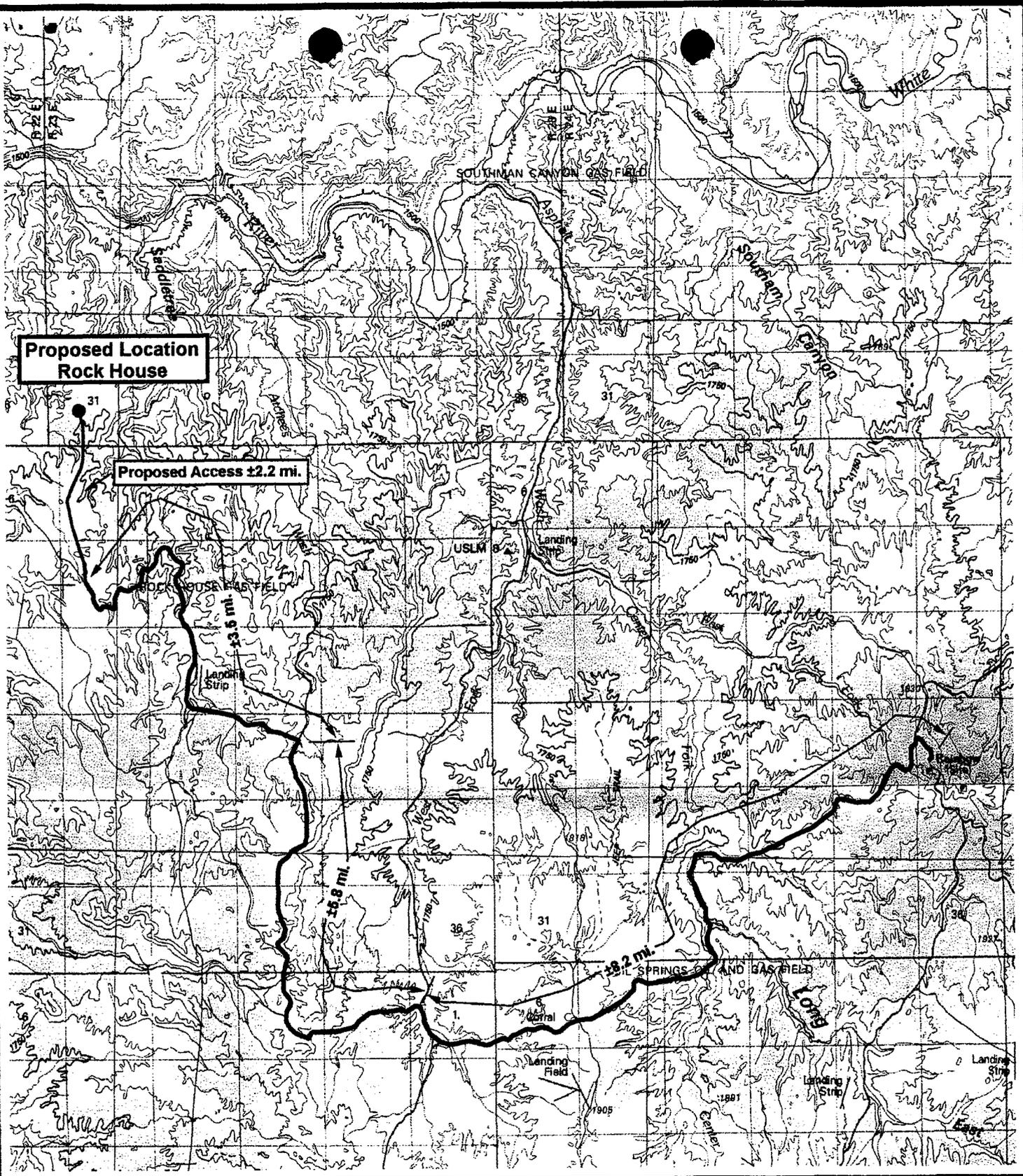


**RETAMCO OPERATING COMPANY**

**ROCK HOUSE  
SEC. 31, T10S, R23E, S.L.B.&M.  
TOPOGRAPHIC MAP "B"**



Drawn By: SS	Revision:
Scale: 1" = 1000'	File:
Date: 8/12/98	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 434-781-2518	



**Proposed Location  
Rock House**

**Proposed Access ±2.2 mi.**

13.6 mi.

16.8 mi.

18.2 mi.

**RETAMCO OPERATING COMPANY**  
**ROCK HOUSE**  
**SEC. 31, T10S, R23E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "A"**



Drawn By: SS	Revision:
Scale: 1:100,000	File:
Date: 8/12/98	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 434-781-2518	

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/05/1999

API NO. ASSIGNED: 43-047-33312

WELL NAME: ROCK HOUSE 11-31  
 OPERATOR: RETAMCO OPERATING INC (N6020)  
 CONTACT: Joe Glennon (406) 248-5594

PROPOSED LOCATION:  
 NESW 31 - T10S - R23E  
 SURFACE: 1980-FSL-1980-FWL  
 BOTTOM: 1980-FSL-1980-FWL  
 UINTAH COUNTY  
 NATURAL BUTTES FIELD (630)

INSPECT LOCATN BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: UTU-76281  
 SURFACE OWNER: Federal

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
 (No. KT-1088)

Potash (Y/N)

Oil Shale (Y/N) \*190-5(B)

Water Permit  
 (No. 43-8290 Target Trucking)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3. Unit \_\_\_\_\_

R649-3-2. General

R649-3-3. Exception

Drilling Unit  
 Board Cause No: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

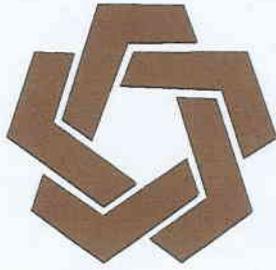
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STIPULATIONS: ① FEDERAL APPROVAL

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



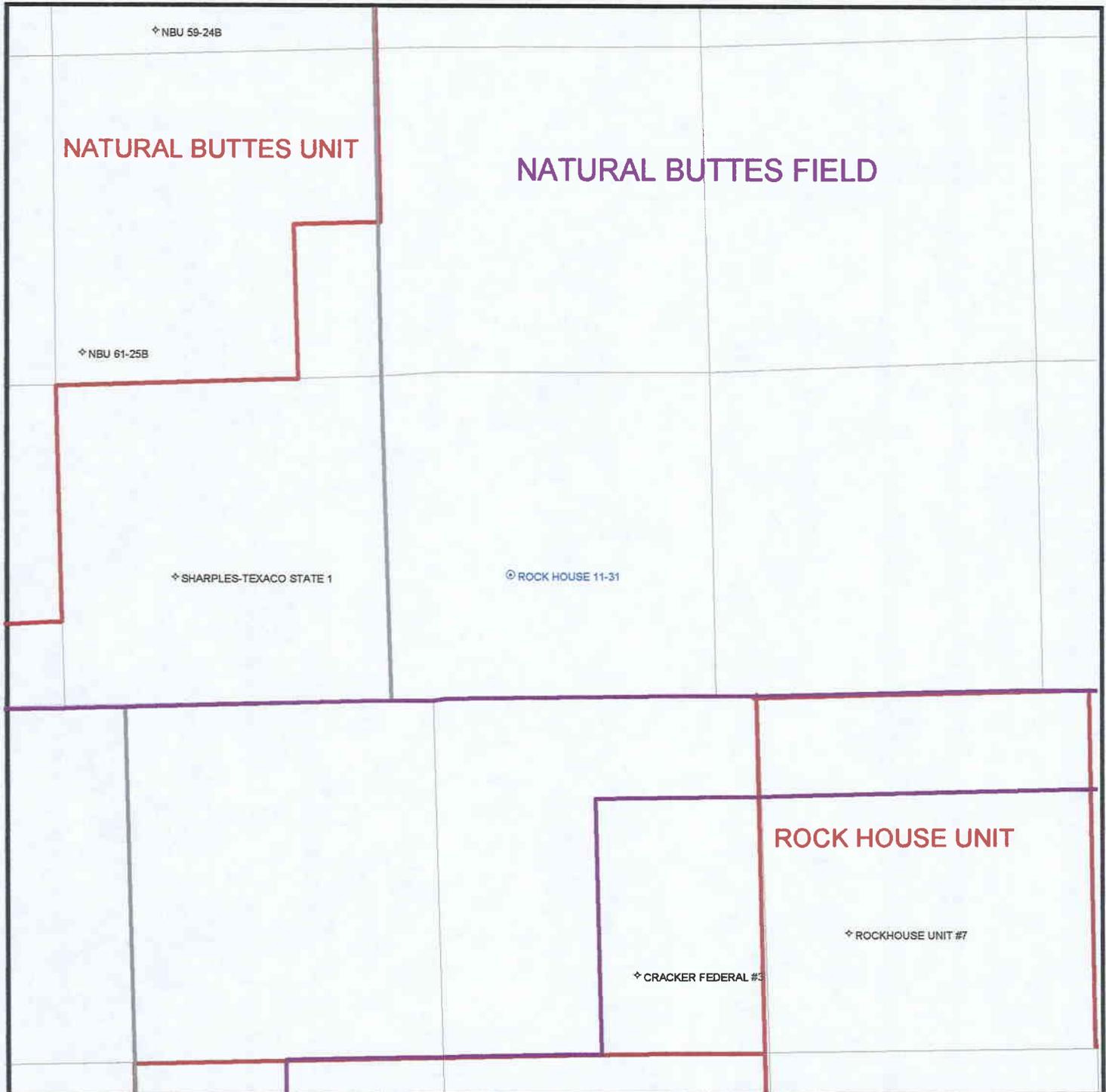
Division of Oil, Gas & Mining

OPERATOR: RETAMCO OPERATING INC. (N6020)

FIELD: NATURAL BUTTES (630)

SEC. 31, TWP 10S, RNG 23E

COUNTY: UINTAH UNIT: NONE



PREPARED  
DATE: 15-MAR-1999



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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 18, 1999

Retamco Operating, Inc.  
HCR Box 1010  
Roberts, Montana 59070

Re: Rock House 11-31 Well, 1980' FSL, 1980' FWL, NE SW, Sec. 31, T.10 S., R. 23 E.,  
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 43-047-33312.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Associate Director

lwp

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Retamco Operating, Inc.

**Well Name & Number:** Rock House 11-31

**API Number:** 43-047-33312

**Lease:** Federal                      **Surface Owner:** Federal

**Location:** NE SW                      **Sec.** 31    **T.** 10 S.    **R.** 23 E.

### 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

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall 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. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Retamco Operating Inc.

3. ADDRESS AND TELEPHONE NO.  
 HCR Box 1010 Roberts, MT 59070 (406) 248-5594

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface: 1980.2' FWL, 1980.3' FSL of Sec. 31 T10S, R23E  
 At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.  
 UTU 76281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.  
 RockHouse 11-31

9. AN WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 NESW 31 T10S, R23E

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 19.7 miles SW of Rainbow

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1980.2'

16. NO. OF ACRES IN LEASE  
 479.20

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 319.84

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 7,000'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5738.1' GR

22. APPROX. DATE WORK WILL START\*  
 5/1/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12.25"	9 5/8 J55	36#	300'	To Surface
7 7/8"	4 1/2 J55	11.6#	TD	Cement top to cover the Oil Shale

Operator requests permission to drill the subject well.  
 Please see the attached 10 Point Drilling Program and 13 Point Surface Use Plan.

If you require additional information please contact:

Joe Glennon  
 671 Garnet  
 Billings, MT 59105  
 406/248-5594

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 OIL, GAS AND MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

34. SIGNED Joe Glennon TITLE Joe Glennon A-I-F DATE 9/15/98

(This space for Federal or State office use)

**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources DATE 8/25/00

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGMA  
 98PS0781A

## CONDITIONS OF APPROVAL

**Company:** RETAMCO OPERATING INC. **Well No.** Rockhouse 11-31

**Location:** NE SW Section 31 T10S, R23E. **Lease No.** UTU-76281

**API Number:** 43-047-33312

**I. Please Note:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR parts 3100, 3160 and 3180), lease/agreement terms, Onshore Oil and Gas Orders, Notice to Lessee's, and this approved plan of operation.

A copy of the approved application and these conditions shall be maintained on location during all construction and drilling operations. Deviation from the approved plan without prior approval is not allowed.

The operator is fully responsible for the actions of his subcontractors.

Operators have the responsibility to assure that activities authorized by this permit are conducted in a manner that complies with other applicable Federal, State, and local laws and regulations.

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Activities proposed in this APD must commence prior to lease expiration. If activities have not commenced by this period, the APD will be returned to the operator without prejudice.

Failure to comply with the provisions of this permit, including applicable regulations, stipulations, and/or approval conditions, will be considered a violation subject to the enforcement provisions of 43 CFR Subpart 3163.

If fill materials are needed to maintain roads or the well site, proper permits must be obtained from the State or Federal Surface Management Agency (SMA), unless materials are obtained from a private source. On BLM administered lands, the use of materials shall conform with 43 CFR 3610.2-3.

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**II. Required Notifications:**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

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**III. Conditions of Approval For Notice to Drill**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

The operator is fully responsible for the actions of all his lease and/or unit operations and that these operations be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. A copy of these conditions will be furnished the field representative to ensure compliance.

Be aware fire restrictions may be in effect when the location is being constructed and/or when the well is being drilled. Contact the appropriate Surface Management Agency for information.

**A. DRILLING PROGRAM**

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

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3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale zone, identified at 2,596 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

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6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the AO. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

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No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

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If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (435) 789-7077  
Petroleum Engineer

Jerry Kenczka (435) 781-1190  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

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**EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES**

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

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B. Surface Use Plan of Operations - The 13 Point Plan of the Application for Permit to Drill will be supplemented as follows:

1. The access road shall be restaked as to prevent the road or vehicles traveling the road from being seen from the Goblin City Overlook. A BLM representative shall be present during road construction to ensure that the road is constructed as staked.
2. Construction, drilling, completion, and workover operations shall take place after June 15<sup>th</sup> and before May 1<sup>st</sup>.
3. All engines being used during the construction and drilling phase shall have adequate mufflers.
4. Road blading, construction or site preparation activities will not be conducted during muddy conditions. If the soils are dry during construction, water shall be spread on the access road and well location during the construction and drilling phase to minimize dust.
5. A sign shall be installed at the beginning of the new access road explaining that the road is a well service road and dead ends in 2.2 miles. If OHV use becomes a problem in the area, the road could be gated and locked.
6. The operator will control noxious weeds along the roads and well site, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate county Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals. Once the well is plugged and abandoned, the operator will control noxious weeds along the reclaimed road and well pad for a period of at least five years. Control will be done by hand or with backpack and hand carried weed sprayers.
7. If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the BLM.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;

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- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
  - a time frame for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.
8. The facilities will be painted juniper green to reduce the visual intrusion of the facilities.
  9. Surface disturbance and vehicular travel will be limited to the approved location and access route.
  10. The access route will be upgraded to an 18 foot running surface. Maintenance will be limited to blading the 18 foot running surface and pruning the tree limbs which may encroach into the running surface over time.
  11. Surface disturbance at the drill pad will not exceed that shown for the drill pad layout, i.e., 150 feet by 300 feet with a 100 by 140 foot reserve pit.
  12. Prior to construction of the well location, the top 6' of topsoil shall be stripped and windrowed along the west side of the location between corners 2 and 8. The reserve pit topsoil shall be piled separate from the location topsoil. The windrowed topsoil shall then be broadcast seeded with the seed mix listed in item 17 below and walked with a dozer to plant the seed.
  13. The reserve pit shall be lined with a plastic nylon reinforced liner. It will be a minimum of 12 mil thickness with sufficient bedding (either weed free straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

Upon removal of the drill rig and prior to reclamation, the reserve pit will have all fluids and hydrocarbons removed; and the pit must be fenced on the fourth side and dried. Any accumulations of hydrocarbons in the reserve pit shall be removed and recovered for sale unless it is determined by the AO to be waste oil. All waste oil shall be disposed of properly at approved facilities.

When the pit is dry and ready for reclamation, the liner will be folded into the pit without puncturing or perforating the liner, and buried a minimum of 4 feet. The disturbed area will then be reshaped to natural contours, the topsoil respread, and seeded with the seed mix provided in item 17. The seed shall be broad cast over the area then walked with a dozer to plant the seed.

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SEP 01 2000

DIVISION OF  
OIL, GAS AND MINING

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

14. Immediately upon completion of drilling operations, the location and surrounding area shall be cleared of all remaining debris, trash, junk and materials not required for production. In the event the well pad is graveled, the material will be removed prior to recontouring the surface for rehabilitation.
15. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization. If BLM authorization is obtained, it will only be a temporary measure.
16. When the site is abandoned, disturbed areas, including drill pad, mud pits, and the access road, shall be reclaimed to a condition as close as possible to preconstruction conditions unless otherwise directed by the AO. Reclamation shall include contouring of disturbed areas to blend with the surrounding terrain.
17. If the well proves to be a dry hole or at the time the well is abandoned, reclamation of the site shall proceed as follows: the location shall be returned to its natural contours, the topsoil redistributed and the area seeded. Seeding shall be accomplished immediately after the dirt work has been completed and the following seed mixture shall be used:

needle and threadgrass	Stipa comata	2 lbs./acre
fourwing saltbush	Atriplex canescens	4 lbs./acre
black sage	Artemesia arbuscula v. nova	3 lbs./acre
shadscale	Atriplex conferifolia	3 lbs./acre

All poundages are in Pure Live Seed.

*\*This will be the seeding rate if the seed is drilled. If broadcast seeded, all rates will be doubled, and the soil will be raked or otherwise scarified after seeding to ensure good soil contact.*

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DIVISION OF  
OIL, GAS AND MINING

APD approval dates  
extended  
As of 8/30/2000

NOTES from Margie Herrman - BLM Vernal  
email to Don Staley dated 8/30/2000.  
Margie's comments high lighted

WELL FILE

Company Name	API	Well Name	Approval Date	Extension Date	Twp	Rng	Sec	County	Lease Type
COASTAL OIL & GAS CORP	4304733278	OURAY 3-74 NO BIA CONCURRENCE	08-Feb-99		090S	210E	03	UINTAH	INDIAN
DOMINION EXPL & PROD INC	4304733361	RBU 5-3F DRILLING	03-Aug-99		100S	200E	03	UINTAH	FEDERAL
EOG RESOURCES INC	4304733135	NBU 490-30E SPUD 9/21/98	09-Jul-98		090S	210E	30	UINTAH	FEDERAL
EOG RESOURCES INC	4304733214	CWU 569-28 NOT APPROVED YET	22-Oct-98		090S	220E	28	UINTAH	FEDERAL
FALCON CREEK RESOURCES	4301331997	TWIN KNOLLS 11-9 J EXPIRED 1/00	26-Jan-98	26-Jan-00	110S	170E	09	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332123	UTE TRIBAL 8-30-4-2 NOT APPROVED YET	25-Nov-98		040S	020W	30	DUCHESNE	INDIAN
INLAND PRODUCTION COMPANY	4301331951	WELLS DRAW 9-30 EXTENDED TO 6/01	09-Jul-98		080S	160E	30	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332114	WEST POINT 5-31-8-16 EXPIRES 12/11/00	09-Sep-98		080S	160E	31	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332115	WEST POINT 6-31-8-16 EXPIRES 12/14/00	09-Sep-98		080S	160E	31	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332116	WEST POINT 7-31-8-16 EXPIRES 12/14/00	09-Sep-98		080S	160E	31	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332119	WEST POINT 9-31-8-16 EXPIRES 11/10/00	09-Sep-98		080S	160E	31	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332120	WEST POINT 11-31-8-16 EXPIRES 11/10/00	09-Sep-98		080S	160E	31	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332032	MONUMENT BUTTE 7N-35-8-16 NOT APPROVED YET	09-Jul-98		080S	160E	35	DUCHESNE	FEDERAL
INLAND PRODUCTION COMPANY	4301332106	SOUTH WELLS DRAW 13-3-9-16 EXPIRES 10/8/00	10-Aug-98		090S	160E	03	DUCHESNE	FEDERAL
LONE MTN PRODUCTION CO	4304733184	A FED H 41-28 EXPIRES 12/3/00	09-Sep-98		100S	240E	28	UINTAH	FEDERAL
LONE MTN PRODUCTION CO	4304733165	FED H 14-30 PRODUCING GAS WELL	19-Aug-98		100S	240E	30	UINTAH	FEDERAL
LONE MTN PRODUCTION CO	4304733183	FED T 31-11 HOLDING FOR NOW	14-Sep-98		120S	240E	11	UINTAH	FEDERAL
LONE MTN PRODUCTION CO	4304733323	FED V 12-21 DRILLING 4/27/99	24-Mar-99		130S	210E	21	UINTAH	FEDERAL
PACIFIC TRANS SUPPLY	4301330435	PTS 32-29 FEDERAL EXPIRED 5/00	20-May-98		080S	170E	29	DUCHESNE	FEDERAL
PETROGLYPH OPERATING CO	4301331930	UTE TRIBAL 30-13 NOT APPROVED YET	01-Jun-98		050S	030W	30	DUCHESNE	INDIAN
RETAMCO OPERATING INC	4304733311	RIVER BEND 13-27 EXPIRES 3/7/01	18-Mar-99		090S	190E	27	UINTAH	FEDERAL
RETAMCO OPERATING INC	4304733312	ROCK HOUSE 11-31 APPROVED 8/25/00	18-Mar-99		100S	230E	31	UINTAH	FEDERAL
RETAMCO OPERATING INC	4304733369	ATCHEE RIDGE 11-27-13-25 EXPIRES 8/31/00	20-Aug-99		130S	250E	27	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733263	FEDERAL H 34-30 EXPIRES 4/22/01	18-Feb-99		100S	240E	30	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733242	FEDERAL K 23-22 EXPIRES 4/22/01	10-Dec-98		110S	210E	22	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733264	FEDERAL N 42-22 HOLDING FOR NOW	15-Dec-98		110S	240E	22	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733217	HANGING ROCK I 4-14 HOLDING FOR NOW	20-Oct-98		120S	230E	04	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733218	HANGING ROCK I 5-16 HOLDING FOR NOW	19-Oct-98		120S	230E	05	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733234	HANGING ROCK I 6-2 HOLDING FOR NOW	10-Nov-98		120S	230E	06	UINTAH	FEDERAL
ROSEWOOD RESOURCES INC	4304733219	HANGING ROCK I 9-11 HOLDING FOR NOW	20-Oct-98		120S	230E	09	UINTAH	FEDERAL
SHENANDOAH ENERGY INC	4304733269	WVFU 18 WG NOT APPROVED YET	06-Jan-99		080S	210E	14	UINTAH	INDIAN

**RETAMCO OPERATING INC.**

671 Garnet Ave.  
Billings, MT 59105  
(406) 248-5594  
(406) 248-6088 fax

October 26, 2001

Lisha Cordova  
State of Utah  
Division of Oil, Gas & Mining  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 359-3940 fax

Re: Rockhouse #11-31 APD  
T10S, R23E Sec. 31 NESW  
43-047-33312

Dear Mrs. Cordova,

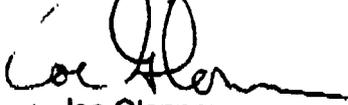
Per our telephone conversation Retamco plans to drill the above referenced well.

In the fall of 2000 Retamco built a surface location and road for the well. After work began on the location, SUWA filed an appeal on the right-of-way, thus the APD was suspended and is currently before the IBLA awaiting their decision.

If necessary, Retamco requests an extension of the APD on the state level until it has been determined when we will be able to begin drilling.

If you have any questions, or if you require additional information please contact me at (406) 248-5594.

Sincerely,

  
Joe Glennon

**RECEIVED**

OCT 26 2001

DIVISION OF  
OIL, GAS AND MINING



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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

November 1, 2001

Joe Glennon  
Retamco Operating Inc.  
671 Garnet Avenue  
Billings, Montana 59105

Re: Rock House 11-31 Well – NESW Sec. 31, T. 10 South, R23 East, Uintah County, Utah, API No. 43-047-33312

Dear Mr. Glennon:

Please be advised that your request for a one-year Application for Permit to Drill (“APD”) extension for the above referenced well is hereby granted. All conditions outlined in the original approval remain in effect.

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.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for an extension is made prior to the expiration date.

Sincerely,

Brad Hill  
Reclamation Specialist, Oil & Gas

cc: Well File  
Bureau of Land Management, Vernal

ORIG  
SENT TO OPERATOR  
DATE: 11-5-01  
INITIALS: CHD

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_  
\_\_\_\_\_  
(Loc.) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng. \_\_\_\_\_  
(API No.) \_\_\_\_\_

Suspense  
(Return Date) \_\_\_\_\_  
(To-Initials) \_\_\_\_\_

Other  
\_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: November 21, 02 Time: \_\_\_\_\_

2. DOGM Employee (name) Diana ( Initiated Call)  
Talked to:  
Name Howard Clevanger ( Initiated Call) - Phone No. (435)  
of (Company/Organization) Bim (Vernal)

3. Topic of Conversation: Putnamco Operating Company  
Well name: Rock House 11-31

4. Highlights of Conversation: Putnamco I was sure  
what Joe <sup>(Putnamco)</sup> Gleason meant when I called him for a  
Sundry notice he said he didnt have to send in a  
Sundry so I called the Bim to ask about the IBIA  
Review & Howard Clevanger said that he would check  
it out & get back with me.

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: RETAMCO OPERATING INC

Well Name: ROCK HOUSE 11-31

Api No: 43-047-33312 Lease Type: FEDERAL

Section 31 Township 10S Range 23E County UINTAH

Drilling Contractor TRUE DRILLING RIG # 27

**SPUDDED:**

Date 11/22/03

Time \_\_\_\_\_

How ROTARY

**Drilling will commence:** \_\_\_\_\_

Reported by LLOYD BRUCE W/ HOUSTON EXPL

Telephone # 1-713-830-6973

Date 12/02/2003 Signed CHD

**SUNDRY NOTICES AND REPORTS ON WELLS, UTAH**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 The Houston Exploration Company - 1100 Louisiana, Suite 2000

3a. Address  
 Houston, TX 77002-6800

3b. Phone No. (include area code)  
 (713) 830-6800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 See Exhibit "A"

5. Lease Serial No.  
 See Exhibit "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 See Exhibit "A"

9. API Well No.  
 See Exhibit "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
 Uintah County, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that effective September 1, 2003 The Houston Exploration Company will take over operations of the subject wells and locations.

The Houston Exploration Company agrees to be responsible under the terms and conditions of the subject leases for the operations conducted on the leased lands. Bond coverage for these wells and locations is provided by The Houston Exploration Company by Statewide Bond No. UTB00062.

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NOV 24 2003

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed)

Lloyd Bruce

Title Senior Operations Engineer DIV. OF OIL, GAS & MINING

Signature Lloyd Bruce

Date 10/03/03

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *[Signature]*

Title Petroleum Engineer

Date 10/20/03

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS & 2003**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

BLM VERNAL, UTAH

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Retamco Operating Inc.

3a. Address 3301 Stonewall Lane  
 Billings, MT 59102

3b. Phone No. (include area code)  
 (406) 248-5594

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 Joe Glennon

See Exhibit "A"

5. Lease Serial No.  
 See Exhibit "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 See Exhibit "A"

9. API Well No.  
 See Exhibit "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
 Uintah County, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Retamco Operating Inc. is selling its interest in the wells and locations described in the attached Exhibit "A" to The Houston Exploration Company whose address is 1100 Louisiana, Suite 2000 Houston, TX 77002-5215.

Effective September 1, 2003 Retamco Operating Inc. will turn over operations of the subject wells to The Houston Exploration Company. All future correspondents pertaining to these wells and locations should be sent to The Houston Exploration Company, Attention: ~~Pat Webb~~ *Theresa Overturf* at the above address

If you have any questions regarding this conveyance contact Joe Glennon with Retamco at (406) 248-5594

The Houston Exploration Company BLM Bond Number is UTB000062

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed)

Signature *Joe Glennon*  
 Joe Glennon

Title A-I-F  
 Date 9/24/03

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 NOV 24 2003  
 DIV. OF OIL, GAS & MINING

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *KWJ*

Title Petroleum Engineer

Date 11/20/03

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

November 20, 2003

Lloyd Bruce  
The Houston Exploration Co.  
1100 Louisiana, Suite 2000  
Houston, Texas 77002-6800

Re: Wells: Coyote Basin #28-1  
SESE, Sec. 28, T8S, R25E  
Lease No. UTU-016257

Walker Hollow #13-31  
SESW, Sec. 31, T6S, R23E  
Lease No. UTU-76280

Rockhouse #11-31  
NESW, Sec. 31, T10S, R23E  
Lease No. UTU-76281  
Uintah County, Utah

Dear Mr. Bruce:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced wells. After a review by this office, the change in operator request is approved. Effective immediately, The Houston Exploration Company is responsible for all operations performed on the referenced wells. All liability will now fall under your bond, BLM Bond No. UTB000062, for all operations conducted on the referenced wells on the leased land.

If you have any other questions concerning this matter, please contact Leslie Walker of this office at (435) 781-4497.

Sincerely,

Kirk Fleetwood  
Petroleum Engineer

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NOV 24 2003

DIV. OF OIL, GAS & MINING

cc: UDOGM  
*Retameo*

Exhibit "A"  
Well Location List

Operator	WI %	NRI	Well Name:	Location:	County:	State:	Lease #	Net Acres	Lease Date	API Number:
<b>Utah Wells</b>										
ROI	100		Coyote Basin #28-1	T8S,R25E Sec 28: SE	Uintah	Utah	U-16257	2200	9/1/1955	43-047-30098
<b>Locations</b>										
ROI	100	80	Walker Hallow 13-31 location	T6S,R23E Sec 31: SW	Uintah	Utah	U-76280		<b>Expiration</b> 5/30/2004	43-047-35039
[REDACTED]										
ROI	100	80	Rockhouse 11-31 location	T10S,R23E Sec 31: NESW	Uintah	Utah	U-76281		4/1/2004	43-047-33312

OIL & GAS INFORMATION SYSTEM

FILE EDIT OIL GAS GAS PLANT OIL and GAS REPORTS DB MAINTENANCE OPTIONS HELP DATA CONVERSION LOGS DATABASE QUERY

Well Data

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME  API NUMBER  WELL TYPE  WELL STATUS

OPERATOR  ACCOUNT  ALT. ADDRESS FLAG  FIRST PRODUCTION

FIELD NAME  FIELD NUMBER  LA | PA DATE

WELL LOCATION:

SURF LOCATION

Q. S. T. R. M.

COUNTY

UTM Coordinates:

SURFACE - N  BHL - N

SURFACE - E  BHL - E

LATITUDE

LONGITUDE

CONFIDENTIAL FLAG

CONFIDENTIAL DATE

DIRECTIONAL | HORIZONTAL

HORIZONTAL LATERALS

ORIGINAL FIELD TYPE

WILDCAT TAX FLAG

CB-METHANE FLAG

ELEVATION

BOND NUMBER

BOND TYPE

LEASE NUMBER

MINERAL LEASE TYPE

SURFACE OWNER TYPE

INDIAN TRIBE

C.A. NUMBER

UNIT NAME

CUMULATIVE PRODUCTION:

OIL

GAS

WATER

COMMENTS

Create New Recd

Save

Cancel Change

To History

To Activity

Print Recd

Export Recd



NUM



7. **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 11/20/2003 BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **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:**

1. Changes entered in the Oil and Gas Database on: 12/15/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/15/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: 104155043

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: U000062

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (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: N/A

**COMMENTS:**

Change was delayed, waiting for Waste Management Plan and other information.

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

FORM 6

ENTITY ACTION FORM

Operator: The Houston Exploration Company  
Address: 1100 Louisiana, Suite 2000  
city Houston  
state TX zip 77002

Operator Account Number: N2525  
Phone Number: (281) 431-4967

Well 1

API Number	Well Name	QD	Sec	Twp	Rng	County
4304733312	Rock House 11-31	NWSE	31	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	13984	11/21/2003		12/18/03	
Comments: <u>WSTC</u>						

Well 2

API Number	Well Name	QD	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

Well 3

API Number	Well Name	QD	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

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 12/18/03  
Title Date

(5/2000)

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DEC 18 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-76281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Rock House 11-31

9. API NUMBER:

42-047-33312

10. FIELD AND POOL, OR WILDCAT:

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 \_\_\_\_\_

2. NAME OF OPERATOR:

The Houston Exploration Company

3. ADDRESS OF OPERATOR:

1100 Louisiana, Suite 2000, Houston TX ZIP 77002

PHONE NUMBER:

(713) 830-6938

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1980.2' FWL & 1980.3' FSL Sec.31, T10S,R23E

COUNTY: Uintah

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 checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>2/25/04</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 checked="" 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 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 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 was spud 11/29/03. TD 8,600' reached 12/29/03. Well completed 1/31/04. On production 2/25/04.

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE Theresa Overturf

DATE 3/8/04

(This space for State use only)

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MAR 11 2004

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU-76281

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
ROCK HOUSE 11-31

9. API Well No.  
43-047-33312

10. Field and Pool, or Exploratory  
WILDCAT

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator THE HOUSTON EXPLORATION CO. Contact: THERESA OVERTURF  
E-Mail: toverturf@houstonexp.com

3a. Address 1100 LOUISIANA, SUITE 2000 HOUSTON, TX 77002  
3b. Phone No. (include area code) Ph: 713.830.6938

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 31 T10S R23E NESW 1980FSL 1980FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3-2-04 through 3-8-04 Hook up oil tank. Hook up compressor. Prod 987 MCF, 8.77 BO, 74 BW on 20/64" ck.

**RECEIVED**  
**APR 05 2004**  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
~~Electronic Submission #22008~~ verified by the BLM Well Information System  
For THE HOUSTON EXPLORATION CO., sent to the Vernal

Name (Printed/Typed) THERESA OVERTURF Title AUTHORIZED REPRESENTATIVE

Signature *Theresa Overturf* Date 3/17/04

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU-76281

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
ROCK HOUSE 11-31

9. API Well No.  
43-047-33312

10. Field and Pool, or Exploratory  
WILDCAT

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator THE HOUSTON EXPLORATION CO. Contact: THERESA OVERTURF  
E-Mail: toverturf@houstonexp.com

3a. Address  
1100 LOUISIANA, SUITE 2000  
HOUSTON, TX 77002

3b. Phone No. (include area code)  
Ph: 713.830.6938

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 31 T10S R23E NESW 1980FSL 1980FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Operations 3-9-04 through 3-11-04 Well producing 921-1249 MCFD, 0-7 BOPD, 26-46 BWPD on 20/64" ck FINAL REPORT WELL ON PRODUCTION.

RECEIVED

APR 05 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
~~Electronic Submission #200408~~ verified by the BLM Well Information System  
For THE HOUSTON EXPLORATION CO., sent to the Vernal

Name (Printed/Typed) THERESA OVERTURF Title AUTHORIZED REPRESENTATIVE

Signature *Theresa Overturf* Date 3/17/04

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

Form 3160-4  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
DT176281

1a. Type of Well  Oil Well  Gas Well  Dry Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Reavr.,  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
The Houston Exploration Company

8. Lease Name and Well No.  
Rock House 11-31

3. Address  
1100 Louisiana, Suite 2000, Houston, TX 77002  
3a. Phone No. (include area code)  
(713) 830-6938

9. API Well No.  
43-047-33312

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

10. Field and Pool, or Exploratory

At surface Sec 31 T10S R23E Mer  
NESW 1980 FSL 1980 FWL  
At top prod. interval reported below

11. Sec., T., R., M., on Block and Survey or Area Sec 31, T10S, R23E

At total depth

12. County or Parish  
Uintah  
13. State  
UT

14. Date Spudded  
11/29/03  
15. Date T.D. Reached  
12/29/03  
16. Date Completed  
 D & A  Ready to Prod.  
1/31/04

17. Elevations (DF, RKB, RT, GL)\*  
5738' GL

18. Total Depth: MD 8600'  
TVD  
19. Plug Back T.D.: MD 8481'  
TVD  
20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
AI/GR, MUD LOG, CALIPER/CU/GR  
22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementor Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	13.375	48		87		5sx Ready Mix		Surface	
12.25	9.625	36		2002		480 sx C10	193	Surface	
7.875	5.500	17		8605		1125 sx50	50 296	5350'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7810'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	5600'	8042'	7775'-7872'		126	Open
B) Mesaverde	5600'	8042'	7530'-7545'		45	Open
C) Mesaverde	5600'	8042'	7268'-7370'		48	Open
D) Mesaverde	5600'	8042'	7042'-7172'		30	Open

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7042'-7172'	60,000# 20/40 sand
7775'-7872'	100,000# 20/40 sand
7530'-7545'	60,000# 20/40 sand
7268'-7370'	90,000# 20/40 sand

28. Production - Interval A - D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/25/04	3/8/04	24	→	9	987	74	58.40	1.003	Flows from well
Choke Size	Tbg. Press. Flwg. SI	Corp. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
20/64'	400	715	→						PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Corp. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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(See instructions and spaces for additional data on reverse side)

DIV. OF OIL, GAS & MINING

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tub. Press. Flwg. SI	Case Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tub. Press. Flwg. SI	Case Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Uteland Buttes	3742'
				Wasatch	3823'
				Mesaverde	5600'
				Buck Tongue	8042'
				Castlegate	8106'
				Mancos	8322'

32. Additional remarks (include plugging procedure):

PLEASE KEEP WELL INFORMATION CONFIDENTIAL

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Summary reports for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34.1 hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Theresa Overturf Title Engineering Technician

Signature Theresa Overturf Date 6/26/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

1a. Type of Well  Oil Well  Gas Well  Dry Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator  
The Houston Exploration Company

3. Address 1100 Louisiana, Suite 2000, Houston, TX 77002 3a. Phone No. (include area code) (713) 830-6938

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface Sec 31 T10S R23E Mer  
NESW 1980 FSL 1980 FWL  
At top prod. interval reported below

At total depth

14. Date Spudded 11/29/03 15. Date T.D. Reached 12/29/03 16. Date Completed  D & A  Ready to Prod. 1/31/04

18. Total Depth: MD 8600' TVD 19. Plug Back T.D.: MD 8481' TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
AI/GR

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	13.375	48		87		5sx Ready Mix		Surface	
12.25	9.625	36		2002		480 sx CLG	193	Surface	
7.875	5.500	17		8605		1125 sx50/50	296	5350'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7810'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	5600'	8042'	7775'-7872'		126	Open
B) Mesaverde	5600'	8042'	7530'-7545'		45	Open
C) Mesaverde	5600'	8042'	7268'-7370'		48	Open
D) Mesaverde	5600'	8042'	7042'-7172'		30	Open

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7042'-7172'	60,000# 20/40 sand
7775'-7872'	100,000# 20/40 sand
7530'-7545'	60,000# 20/40 sand
7268'-7370'	90,000# 20/40 sand

28. Production - Interval A - D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/25/04	3/8/04	24	→	9	987	74	58.40	1.003	Flows from well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
20/64"	400	715	→						PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

CONFIDENTIAL

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 9-28-05

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Uteland Buttes	3742'
				Wasatch	3823'
				Mesaverde	5600'
				Buck Tongue	8042'
				Castlegate	8106'
				Mancos	8322'

32. Additional remarks (include plugging procedure):

PLEASE KEEP WELL INFORMATION CONFIDENTIAL

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Theresa Overturf Title Engineering Technician

Signature *Theresa Overturf* Date 6/24/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**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**

**FROM: (Old Operator):**

N2525 - The Houston Exploration Company  
1100 Louisiana, Suite 2000  
Houston, TX 77002

Phone: 1-(713) 830-6800

**TO: ( 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:

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:  
**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"/> 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>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** 7/31/07  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

*No wells in APD status or  
at New status  
at this time*

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JUL 30 2007

(5/2000)

(See Instructions on Reverse Side)

DIV OF OIL, GAS & MINING *WMP*

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>UTU-76281</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 11-31</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>4304733312</b>
		10. FIELD AND POOL, OR WILDCAT:
PHONE NUMBER: <b>(303) 812-1676</b>		

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **1980' FSL & 1980' FWL** COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESW 31 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>7/2/2009</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 on 7/2/2009 and applied 40 Gallons of weed control spray at 2:30. 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)

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DIV. OF OIL, GAS & MINING

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>	
(970) 247-9778	(970) 385-0967	pwc@animas.net	\$2,018.63	

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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.

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# 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

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United States Department of the Interior



Services	<i>R</i>
Land & Minerals	<input checked="" type="checkbox"/>
NEPA	
Renewables	
IN REPLY REFER TO:	
9015	(UT-933)
BUREAU OF LAND MANAGEMENT VERNAL UT-4	
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 <= 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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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

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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 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

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FEB 24 2010

DIV. OF OIL, GAS & MINING

**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

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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/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)

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 &amp; 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 ~~any of the information~~ <sup>any of the information</sup> is 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: Play 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 H...* Date: 6/4/09

State Coordinator signature: *Lisa 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 <45" 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. & 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, Glysophate 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

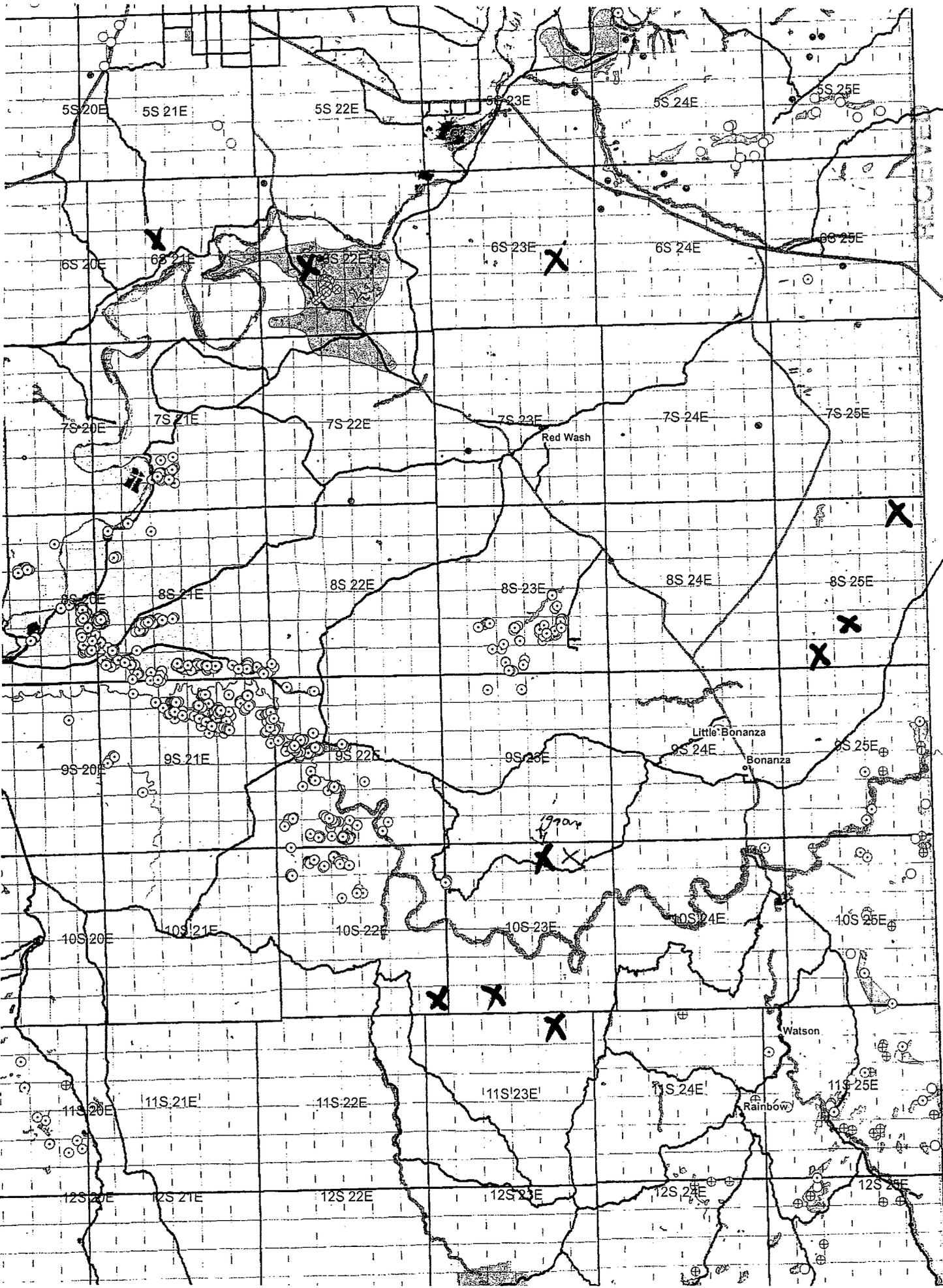
Applicator phone & fax numbers: phone 970-247-9778

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

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09-LUT-501-17

ALBUQUERQUE

Red Wash

Little Bonanza  
Bonanza

Watson

Rainbow

19904

5S 20E 5S 21E 5S 22E 5S 23E 5S 24E 5S 25E  
6S 20E 6S 21E 6S 22E 6S 23E 6S 24E 6S 25E  
7S 20E 7S 21E 7S 22E 7S 23E 7S 24E 7S 25E  
8S 20E 8S 21E 8S 22E 8S 23E 8S 24E 8S 25E  
9S 20E 9S 21E 9S 22E 9S 23E 9S 24E 9S 25E  
10S 20E 10S 21E 10S 22E 10S 23E 10S 24E 10S 25E  
11S 20E 11S 21E 11S 22E 11S 23E 11S 24E 11S 25E  
12S 20E 12S 21E 12S 22E 12S 23E 12S 24E 12S 25E

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

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FEB 24 2010

Weed Management Area:  
 Vegetation/Community Type:

Site Name:

Weed Site #

Quad #                       
DIV OF OIL, GAS & MINING

Complex                      %

Applicator:

Watershed

Address:

Allotment:

License No.:

Phone #                     

Quad Name(s):

County:

Location T.     , R.     , Sec.     ,  $\frac{1}{4}$        $\frac{1}{4}$      

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	<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
<b>Site Characteristics</b>					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					<b>FORMULATION (circle one)</b>	
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>						

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

FEB 24 2010

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	<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
<b>Site Characteristics</b>					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					<b>FORMULATION (circle one)</b>	
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

**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>UTU-76281</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:
		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 11-31</b>	
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		9. API NUMBER: <b>4304733312</b>
3. ADDRESS OF OPERATOR: 707 17th Street, Ste 3600 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 812-1676	10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1980' FSL &amp; 1980' FWL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESW 31 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (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"/> <b>SUBSEQUENT REPORT</b> (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 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 checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>Vegetation Growth &amp; reseeding</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.

Forest Oil Corporation would respectfully like to let you know that once the snow clears around this well, we will do an inspection for vegetation growth. We will do dirt work as needed and reseed in the fall as needed.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

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

(This space for State use only)

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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.

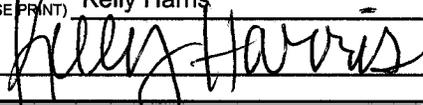
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-76281</b>
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th Street, Ste 3600 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1980' FSL &amp; 1980' FWL</b>		8. WELL NAME and NUMBER: <b>Rock House 11-31</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESW 31 10S 23E</b>		9. API NUMBER: <b>4304733312</b>
COUNTY: <b>Uintah</b>		10. FIELD AND POOL, OR WILDCAT:
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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>7/2/2009</b>	<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 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 7/2/2009 at 2:18. 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>

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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

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

Item	Description	Quantity	Rate	Amount
2.3 Rifle 2, 4-D LV 6#	Noxious Weed control by Acre	27.5	157.50	4,331.25T
	Pints: EPA Reg #42750-40-34704	27.39		0.00
	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	<del>11-31</del>	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	RC
Land Use & Minerals	✓
NEPA	
Recreation	
Wildlife	
Public Lands	
Other	
BUREAU OF LAND MANAGEMENT VERNAL UTAH	
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.

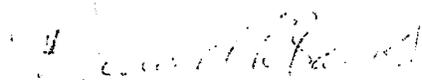
Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides 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.



#### 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-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 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)

1.57 lbs ai  
20 lbs ai

1.57 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., 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: 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: 6/14/09

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 app. 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 Wav, Green River WY 82935

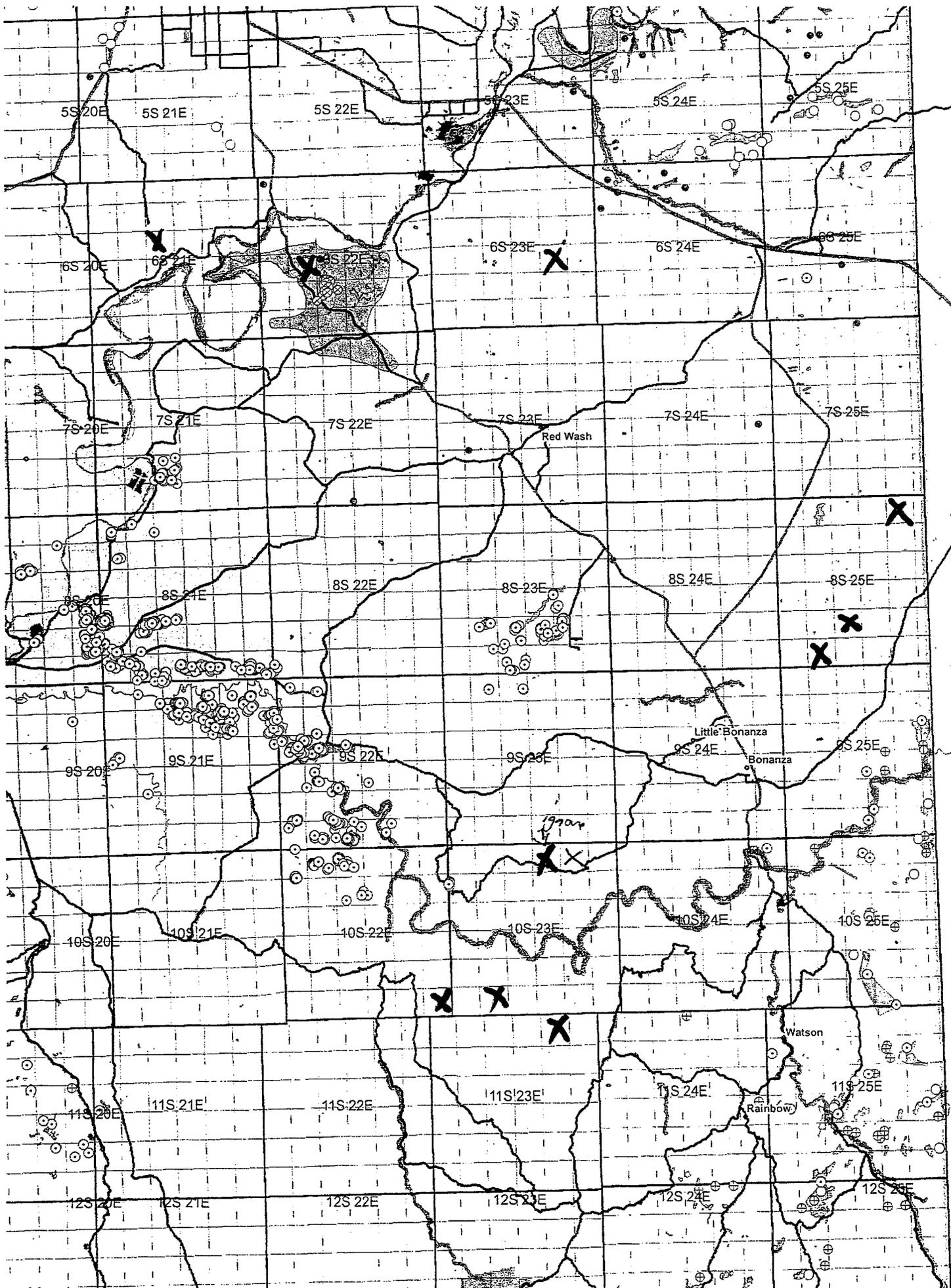
Applicator company name: Pride Weed Control, Inc.

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-LUT-501-17

**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 defement 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

**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>UTU-76281</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:
		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 11-31</b>	
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		9. API NUMBER: <b>4304733312</b>
3. ADDRESS OF OPERATOR: <b>707 17th Street, Ste 3600</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 812-1676</b>	10. FIELD AND POOL, OR WILDCAT: <b>N/A</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1980' FSL &amp; 1980' FWL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESW 31 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: _____	<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: <u>Gas Analysis</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.

Forest Oil Corporation would respectfully like to send you the quarterly gas analysis for the Rock House 11-31. I have attached this report to this sundry. Please let me know if you have any questions or concerns.

Thank you,  
Kelly

NAME (PLEASE PRINT) <u>Kelly Harris</u>	TITLE <u>Regulatory Tech</u>
SIGNATURE	DATE <u>8/2/2011</u>

(This space for State use only)

**RECEIVED**  
**AUG 03 2011**  
**DIV. OF OIL, GAS & MINING**



Forest Oil RH 11-31.txt

AIU Stream ID	n/a
Fixed anlys on err?	No
Init anls accepted	No
F(pv) calculation method	AGA8 GM2
Tap type	Flange Taps
Tap location	Upstream
Volume calculation type	AGA3 1992
Volume log period	60 minutes
Volume calc period	1 minute
Primary Element	ORIFICE
Calculation units type	US
Report units type	US
Fixed Cd	0.6000
Zba	0.9996
Orif reference temp (Deg F)	68.0000
Pipe reference temp (Deg F)	68.0000
Orif coef of expansion (PSIA)	9.2500
Pipe coef of expansion (PSIA)	6.2000
Ratio of spec heats	1.3000
Barometric pressure (PSIA)	12.0000
Orifice Diameter (Inches)	0.7500
Pipe Diameter (Inches)	2.0670
Absolute viscosity (cP)	0.0103
DP zero cutoff (In H2O)	0.2500

----- Auxiliary Contact Setup -----

Trip contact1 on low chrg?	No
Trip contact1 on DP/AVol low?	No
Trip contact1 on DP/AVol high?	No
Trip contact1 on SP low?	No

Forest Oil RH 11-31.txt

Trip contact1 on SP high?	No
Trip contact1 on Remote?	No
Auto reopen contact1	Yes
Trip contact1 on volume SP?	No
Vol Setpoint for Contact1 (MCF/Day)	100.0000
Trip contact1 on low temp?	No
Trip contact1 on high temp?	No
Trip contact1 on low flow?	No
Trip contact1 on high flow?	No
Trip contact2 on low chrg?	No
Trip contact2 on DP low?	No
Trip contact2 on DP high?	No
Trip contact2 on SP low?	No
Trip contact2 on SP high?	No
Trip contact2 on Remote?	No

Totalflow Laptop Characteristic Report (Report Code: 300)  
 Printed date: 07/01/2011

page 2

Station ID:

Device ID : RH 11-31  
 Auto reopen contact2?

Location:  
 Yes

Rock House 11-31

Trip contact2 on volume SP?	No
Vol Setpoint for Contact2 (MCF/Day)	100.0000
Trip contact2 on low temp?	No
Trip contact2 on high temp?	No
Trip contact2 on low flow?	No
Trip contact2 on high flow?	No

----- Fixed Analysis Data -----

16:34	Heating value (BTU/SCF)	1137.2000	06/20/2011
16:34	Specific Gravity	0.6512	06/20/2011
16:34	N2 Content (Mol %)	0.1472	06/20/2011

Forest Oil RH 11-31.txt

16:34	CO2 Content (Mol %)	0.9973	06/20/2011
16:34	H2S content (Mol %)	0.0000	
	H2O content (Mol %)	0.0000	
	Helium content (Mol %)	0.0000	
16:34	Methane content (Mol %)	89.2775	06/20/2011
16:34	Ethane content (Mol %)	4.9015	06/20/2011
16:34	Propane content (Mol %)	2.7608	06/20/2011
16:34	n-Butane content (Mol %)	0.7459	06/20/2011
16:34	i-Butane content (Mol %)	0.3825	06/20/2011
16:34	n-Pentane content (Mol %)	0.1894	06/20/2011
16:34	i-Pentane content (Mol %)	0.1866	06/20/2011
16:34	n-Hexane content (Mol %)	0.2468	06/20/2011
16:34	n-Heptane content (Mol %)	0.1234	06/20/2011
16:34	n-Octane content (Mol %)	0.0412	06/20/2011
16:34	n-Nonane content (Mol %)	0.0000	
	n-Decane content (Mol %)	0.0000	
	Oxygen content (Mol %)	0.0000	
	CO content (Mol %)	0.0000	
	Hydrogen content (Mol %)	0.0000	
	Argon content (Mol %)	0.0000	

----- Factors / Factor Selects -----

Fixed F(t)	1.0000
Fixed F(p)	1.0000
Faux - orifice	1.0000
Use Y	Yes
Use Fpv	Yes
Use Fw	No
Use Faux - orifice	No
Use Calc Cd	Yes

Use SP,DP sqrt averages

NO

----- Limits / Calibration Data -----

16:21	Temperature bias (Deg F)	-0.4600	06/20/2011
	DP low limit (In H2O)	0.0000	
	DP high limit (In H2O)	400.0000	
	SP low limit (PSIA)	0.0000	
	SP high limit (PSIA)	500.0000	
	Tf low limit (Deg F)	0.0000	
	Tf high limit (Deg F)	150.0000	
	Flow Rate Low Limit (MCF/Day)	0.0000	
	Flow Rate High Limit (MCF/Day)	24000.0000	
16:12	DP low calib (In H2O)	0.0000	06/20/2011
16:12	Dp mid low calibration (In H2O)	62.5000	06/20/2011
16:12	DP mid calib (In H2O)	125.0000	06/20/2011
16:12	Dp mid high calibration (In H2O)	187.5000	06/20/2011
16:12	DP high calib (In H2O)	250.0000	06/20/2011
15:58	SP low calib (PSIA)	12.0000	06/20/2011
15:58	Sp mid low calibration (PSIA)	137.0000	06/20/2011
15:58	SP mid calib (PSIA)	262.0000	06/20/2011
15:58	Sp mid high calibration (PSIA)	387.0000	06/20/2011
15:58	SP high calib (PSIA)	512.0000	06/20/2011

----- Last Calc Period Alarms -----

- Last Calc Period Data / Volume Totals -

Last Calc Period DP (In H2O)	0.3132
Last Calc Period SP (PSIA)	348.3131
Last Calc Period Tf (Deg F)	81.7266

Forest Oil RH 11-31.txt

Last Calc Period Volume	0.0252
Last Calc Period Qv	1513.3236
Last Calc Period Int Range	60

Totalflow Laptop Characteristic Report (Report Code: 300)  
 Printed date: 07/01/2011

page 3

Station ID:		
Device ID : RH 11-31	Location:	Rock House 11-31
Last Calc Period Int Counts	60	
Last Calc Period Integral	0.4488	
Last Calc Period Int Multiplier	3371.9805	
Last Calc Period Y expansion	1.0000	
Last Calc Period FIP	0.8654	
Last Calc Period EV	1.0088	
Last Calc Period d (Corr Orifice)	0.7501	
Last Calc Period D (Corr Pipe)	2.0672	
Last Calc Period Rhob	0.0498	
Last Calc Period Qm	75.4173	
Last Calc Period Cd	0.6047	
Last Calc Period Fpv	1.0283	
Last Calc Period Fw	1.0000	
Last Calc Period Faux	1.0000	
Last Calc Period Heating Value (BTU/SCF)	1137.2000	
Last Calc Period Specific Gravity	0.6512	
Last Calc Period Nitrogen (Mol %)	0.1472	
Last Calc Period Carbon Dioxide (Mol %)	0.9973	
Last Calc Period H2S (Mol %)	0.0000	
Last Calc Period Water (Mol %)	0.0000	
Last Calc Period Helium (Mol %)	0.0000	
Last Calc Period Methane (Mol %)	89.2775	
Last Calc Period Ethane (Mol %)	4.9015	
Last Calc Period Propane (Mol %)	2.7608	

Forest Oil RH 11-31.txt

Last Calc Period nButane (Mol %)	0.7459
Last Calc Period iButane (Mol %)	0.3825
Last Calc Period nPentane (Mol %)	0.1894
Last Calc Period iPentane (Mol %)	0.1866
Last Calc Period nHexane (Mol %)	0.2468
Last Calc Period nHeptane (Mol %)	0.1234
Last Calc Period nOctane (Mol %)	0.0412
Last Calc Period nNonane (Mol %)	0.0000
Last Calc Period nDecane (Mol %)	0.0000
Last Calc Period Oxygen (Mol %)	0.0000
Last Calc Period Carbon Monoxide (Mol %)	0.0000
Last Calc Period Hydrogen (Mol %)	0.0000
Last Calc Period Argon (Mol %)	0.0000

Totalflow Laptop Combo Daily Volume Report (Report Code: 322) page 1  
 Printed date: 07/01/2011

Station ID:  
 Device ID : RH 11-31 Location: Rock House 11-31

Collection Time: 07/01/2011 14:24:45

Firmware Revision:

SYSTEM:

STATE:

LEASE:

PRODUCER:

OPERATOR:

BUYER:

Integral	Date	DP	SP	Tf	Volume	Energy
Flow	aadd zbra tad ll	In H2O	amc PSIA	Deg F	MCF	MMBTU
Time %	hlhl ffsc eee cl nge					

30.7399	05/27/2011	44.39	310.44	66.83	104.9588	104.9588
28.2507	05/28/2011	42.10	317.26	67.68	96.4627	96.4627
28.6584	05/29/2011	51.80	310.26	63.50	97.6208	97.6208
24.8326	05/30/2011	69.78	294.03	58.00	84.2896	84.2897
28.6262	05/31/2011	42.10	318.98	67.18	97.7609	97.7609

141.1078	Monthly:	50.03	310.19	64.64	481.0927	481.0928
----------	----------	-------	--------	-------	----------	----------

DP Percent Low: 44.91 Percent High: 1.82 Min: 0.00 Max: 662.83  
 SP Percent Low: 0.00 Percent High: 0.00 Min: 145.26 Max: 377.00  
 Tf Percent Low: 0.00 Percent High: 0.00 Min: 38.36 Max: 81.84  
 Backflow: 0.00  
 I Mult. Avg: 3408.94

Totalflow Laptop Combo Daily Volume Report (Report Code: 322) page 2  
 Printed date: 07/01/2011

Station ID:  
 Device ID : RH 11-31 Location: Rock House 11-31

Date	DP	SP	Tf	Volume	Rock House 11-31 Energy	
Integral Flow	aadd zbra tad ll amc	In H2O	PSIA	Deg F	MCF	MMBTU
Time % hlhl ffsc eee cl nge						

---

06/01/2011	29.10	327.66	68.87	127.4195	127.4196
37.1780 87.17 --xx x--- --x x- ---					
06/02/2011	30.40	328.24	68.98	110.1368	110.1368
32.1339 72.39 --xx x--- --x x- ---					

Forest Oil RH 11-31.txt

06/03/2011	45.14	317.15	69.26	111.7744	111.7744
32.7281 56.99 --xx x----	--x x-	---			
06/04/2011	34.95	324.17	72.21	127.8469	127.8469
37.3437 74.96 --xx x----	--x x-	---			
06/05/2011	26.23	330.15	74.93	137.3542	137.3542
40.0085 92.61 --xx x----	--x x-	---			
06/06/2011	32.51	326.01	74.72	136.4400	136.4400
39.8471 84.17 --xx x----	--x x-	---			
06/07/2011	31.33	325.15	72.41	120.3342	120.3342
35.1117 75.10 --xx x----	--x x-	---			
06/08/2011	31.25	277.72	73.24	116.6101	116.6101
34.0597 76.14 --xx xx--	--x x-	---			
06/09/2011	38.89	320.80	69.78	119.8130	119.8130
35.0307 66.98 --xx x----	--x x-	---			
06/10/2011	33.58	317.85	71.85	120.8267	120.8267
35.2920 73.58 --xx x----	--x x-	---			
06/11/2011	31.95	318.86	72.65	140.7804	140.7804
41.1285 89.57 --xx x----	--x x-	---			
06/12/2011	27.38	317.47	71.78	129.2190	129.2190
37.6974 90.03 --x- x----	--x x-	---			
06/13/2011	32.38	315.05	71.41	130.3416	130.3417
38.0444 79.95 --xx x----	--x x-	---			
06/14/2011	29.83	317.43	72.85	132.8552	132.8552
38.7347 83.01 --xx x----	--x x-	---			
06/15/2011	24.69	326.12	75.05	140.8985	140.8985
40.9992 95.30 --xx x----	--x x-	---			
06/16/2011	33.23	319.27	65.16	116.1342	116.1343
33.9572 78.22 --xx x----	--x x-	---			
06/17/2011	28.67	319.20	67.70	112.0185	112.0185
32.6452 73.98 --xx x----	--x x-	---			
06/18/2011	25.82	324.19	71.28	140.8620	140.8620
40.9885 93.68 --xx x----	--x x-	---			
06/19/2011	47.12	315.00	60.84	84.0673	84.0673
24.6695 46.71 --xx x----	--x x-	---			
06/20/2011	51.47	298.87	69.44	100.2720	106.7533
29.9051 46.09 --xx x----	--x x-	---			
06/21/2011	59.26	296.77	78.06	80.7804	91.8635
24.6230 35.15 --xx x----	--x x-	---			
06/22/2011	55.77	301.34	81.87	96.8562	110.1448
29.5380 44.60 --xx x----	--x x-	---			
06/23/2011	43.57	310.88	84.44	96.6303	109.8880
29.4280 53.34 --xx x----	--x x-	---			
06/24/2011	47.92	307.35	84.19	101.6511	115.5976
30.9888 52.96 --xx x----	--x x-	---			
06/25/2011	50.82	305.96	83.97	101.0747	114.9422
30.8395 51.34 --xx x----	--x x-	---			
06/26/2011	45.60	308.52	82.82	90.9244	103.3992
27.6850 48.26 --xx x----	--x x-	---			
06/27/2011	51.62	304.92	83.75	101.3516	115.2570
30.8931 49.36 --xx x----	--x x-	---			
06/28/2011	41.22	313.60	84.99	95.7953	108.9384
29.1717 55.67 --xx x----	--x x-	---			
06/29/2011	51.75	304.30	81.44	88.7013	100.8712
27.0569 45.06 --xx x----	--x x-	---			
06/30/2011	154.94	251.36	67.88	68.0413	77.3766
20.9264 15.34 --xx x----	--x x-	---			

-----  
 Monthly: 42.28 312.38 74.26 3377.8115 3510.7648  
 998.6534 66.26 --xx xx-- --x x- ---

DP Percent Low: 26.87 Percent High: 1.59 Min: 0.00 Max: 677.28  
 Page 10

Forest Oil RH 11-31.txt  
 SP Percent Low: 0.00 Percent High: 0.00 Min: 12.00 Max: 420.73  
 Tf Percent Low: 0.00 Percent High: 0.00 Min: 45.41 Max: 101.00  
 Backflow: 0.00  
 I Mult. Avg: 3373.90

Totalflow Laptop Combo Daily Volume Report (Report Code: 322) page 3  
 Printed date: 07/01/2011

Station ID:  
 Device ID : RH 11-31 Location: Rock House 11-31  
 Date/Time Description Old Value New Value

Seq

Seq	Date/Time	Description	Old Value	New Value
314	06/20/2011 15:58:17	SP mid calib (PSIA)	262.0000	262.0000
315	06/20/2011 15:58:17	sp mid low calibration (PSIA)	137.0000	137.0000
316	06/20/2011 16:00:35	SP calib check (PSIA)	137.0000	137.0248
317	06/20/2011 16:01:34	SP calib check (PSIA)	512.0000	512.1401

Forest Oil RH 11-31.txt

318	06/20/2011 16:02:26	SP calib check (PSIA)	387.0000	387.0858
319	06/20/2011 16:02:50	SP calib check (PSIA)	387.0000	387.0550
320	06/20/2011 16:03:03	SP calib check (PSIA)	387.0000	387.0009
321	06/20/2011 16:04:02	SP calib check (PSIA)	262.0000	261.9503
322	06/20/2011 16:04:54	SP calib check (PSIA)	262.0000	262.0063
323	06/20/2011 16:05:35	SP calib check (PSIA)	12.0000	12.0462
324	06/20/2011 16:12:48	DP low calib (In H2O)	0.0000	0.0000
325	06/20/2011 16:12:48	DP high calib (In H2O)	250.0000	250.0000
326	06/20/2011 16:12:48	Dp mid high calibration (In H2)	187.5000	187.5000
327	06/20/2011 16:12:48	DP mid calib (In H2O)	125.0000	125.0000
328	06/20/2011 16:12:48	Dp mid low calibration (In H2O)	62.5000	62.5000
329	06/20/2011 16:14:27	DP calib check (In H2O)	62.5000	62.4904
330	06/20/2011 16:15:20	DP calib check (In H2O)	250.0000	250.0299
331	06/20/2011 16:16:22	DP calib check (In H2O)	187.5000	187.4891
332	06/20/2011 16:17:18	DP calib check (In H2O)	125.0000	124.9683
333	06/20/2011 16:17:38	DP calib check (In H2O)	0.0000	-0.0052
334	06/20/2011 16:19:55	Tf Calibration Check (Deg F)	150.0000	150.4689
335	06/20/2011 16:20:15	Tf Calibration Check (Deg F)	75.0000	75.5410
336	06/20/2011 16:20:36	Tf Calibration Check (Deg F)	0.0000	0.5333
337	06/20/2011 16:21:23	Temperature bias (Deg F)	-0.0070	-0.4600
338	06/20/2011 16:21:50	Tf Calibration Check (Deg F)	0.0000	0.0775
339	06/20/2011 16:22:12	Tf Calibration Check (Deg F)	75.0000	75.0512
340	06/20/2011 16:22:20	Tf Calibration Check (Deg F)	75.0000	75.0068
341	06/20/2011 16:22:52	Tf calibration check (Deg F)	150.0000	149.9852
342	06/20/2011 16:27:18	Hold last read analog vals	Yes	No
343	06/20/2011 16:34:36	Heating value (BTU/SCF)	1000.0000	1137.2000
344	06/20/2011 16:34:36	Specific Gravity	0.6000	0.6512
345	06/20/2011 16:34:36	N2 Content (Mol %)	0.0000	0.1472
346	06/20/2011 16:34:36	CO2 Content (Mol %)	0.0000	0.9973
347	06/20/2011 16:34:36	Methane content (Mol %)	100.0000	89.2775
348	06/20/2011 16:34:36	Ethane content (Mol %)	0.0000	4.9015
	06/20/2011 16:34:37	Propane content (Mol %)	0.0000	2.7608

		Forest Oil RH 11-31.txt		
349	06/20/2011 16:34:37	n-Butane content (Mol %)	0.0000	0.7459
350	06/20/2011 16:34:37	i-Butane content (Mol %)	0.0000	0.3825
351	06/20/2011 16:34:37	n-Pentane content (Mol %)	0.0000	0.1894
352	06/20/2011 16:34:37	i-Pentane content (Mol %)	0.0000	0.1866
353	06/20/2011 16:34:37	n-Hexane content (Mol %)	0.0000	0.2468
354	06/20/2011 16:34:37	n-Heptane content (Mol %)	0.0000	0.1234
355	06/20/2011 16:34:38	n-Octane content (Mol %)	0.0000	0.0412
356				

Totalflow Laptop Combo Daily Volume Report (Report Code: 322)  
 Printed date: 07/01/2011

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Station ID:

Device ID : RH 11-31

Location:

Rock House 11-31

----- Basic Characteristic Data -----

Flow Rate (MCF/Day) 36.5462

Accum Vol (MCF/Hr)

71991.7734

Battery (Volts) 13.8852

Current Measured

Static Pressure 348.8085

Current Diff Pressure (In H2O)	0.3166	Current Flowing
Temp (Deg F)	81.8736	Pressure base
(PSIA) Yesterday's Vol (MCF/Hr)	68.0413	Fixed temperature
Temperature base (Deg F)	60.0000	Check security
(Deg F) RTD installed	Yes	Last Operator
No		Attached to stream?
Password Mode	No	Fixed anlyns on err?
Tf used in flow calcs	Yes	F(pv) calculation
No		Tap location
AIU Stream ID	n/a	Volume log period
No		Primary Element
Init anls accepted	No	Report units type
method AGA8 GM2		Zba
Tap type	Flange Taps	Pipe reference temp
Upstream		Pipe coef of
Volume calculation type	AGA3 1992	Barometric pressure
60 minutes		Pipe Diameter
Volume calc period	1 minute	DP zero cutoff (In
ORIFICE		
Calculation units type	US	Trip contact1 on
US		Trip contact1 on SP
Fixed Cd	0.6000	Trip contact1 on
0.9996		Trip contact1 on
Orif reference temp (Deg F)	68.0000	Trip contact1 on
(Deg F) Orif coef of expansion (PSIA)	9.2500	Trip contact1 on
expansion (PSIA)	6.2000	Trip contact1 on
Ratio of spec heats	1.3000	Trip contact1 on
(PSIA) Orifice Diameter (Inches)	0.7500	Trip contact1 on
(Inches) Absolute viscosity (cP)	0.0103	Trip contact1 on
H2O) 0.2500		Trip contact1 on
----- Auxiliary Contact Setup -----		Trip contact1 on
Trip contact1 on low chrg?	No	Trip contact1 on SP
DP/AVol low? No		Trip contact1 on
Trip contact1 on DP/AVol high?	No	Trip contact1 on
low? No		Trip contact1 on
Trip contact1 on SP high?	No	Trip contact1 on
Remote? No		Trip contact1 on
Auto reopen contact1	Yes	Trip contact1 on
volume SP? No		Trip contact1 on
Vol setpoint for Contact1 (MCF/Da	100.0000	Trip contact1 on
low temp? No		Trip contact1 on
Trip contact1 on high temp?	No	Trip contact1 on
low flow? No		Trip contact2 on
Trip contact1 on high flow?	No	Trip contact2 on DP
low chrg? No		Trip contact2 on SP
Trip contact2 on DP low?	No	Trip contact2 on
high? No		Auto reopen
Trip contact2 on SP low?	No	Vol Setpoint for
high? No		Trip contact2 on
Trip contact2 on Remote?	No	Trip contact2 on
contact2? Yes		
Trip contact2 on volume SP?	No	
Contact2 (MCF/Da 100.0000		
Trip contact2 on low temp?	No	
high temp? No		
Trip contact2 on low flow?	No	
high flow? No		

----- Fixed Analysis Data -----			
	Heating value (BTU/SCF)	1137.2000	Specific Gravity
	0.6512		
	N2 Content (Mol %)	0.1472	CO2 Content (Mol %)
	0.9973		
	H2S content (Mol %)	0.0000	H2O content (Mol %)
	0.0000		
	Helium content (Mol %)	0.0000	Methane content
(Mol %)	89.2775		
	Ethane content (Mol %)	4.9015	Propane content
(Mol %)	2.7608		
	n-Butane content (Mol %)	0.7459	i-Butane content
(Mol %)	0.3825		
	n-Pentane content (Mol %)	0.1894	i-Pentane content
(Mol %)	0.1866		
	n-Hexane content (Mol %)	0.2468	n-Heptane content
(Mol %)	0.1234		
	n-Octane content (Mol %)	0.0412	n-Nonane content
(Mol %)	0.0000		
	n-Decane content (Mol %)	0.0000	Oxygen content (Mol %)
(Mol %)	0.0000		
	CO content (Mol %)	0.0000	Hydrogen content
(Mol %)	0.0000		
	Argon content (Mol %)	0.0000	
----- Factors / Factor Selects -----			
	Fixed F(t)	1.0000	Fixed F(p)
	1.0000		
	Faux - orifice	1.0000	Use Y
	Yes		
	Use Fpv	Yes	Use Fw
	No		
	Use Faux - orifice	No	Use Calc Cd
	Yes		
	Use SP,DP sqrt averages	No	
----- Limits / Calibration Data -----			
H2O)	Temperature bias (Deg F)	-0.4600	DP low limit (In
	0.0000		
	DP high limit (In H2O)	400.0000	SP low limit (PSIA)
	0.0000		
	SP high limit (PSIA)	500.0000	Tf low limit (Deg
F)	0.0000		
	Tf high limit (Deg F)	150.0000	Flow Rate Low Limit
(MCF/Day)	0.0000		
	Flow Rate High Limit (MCF/Day)	24000.0000	DP low calib (In
H2O)	0.0000		
	Dp mid low calibration (In H2O)	62.5000	DP mid calib (In
H2O)	125.0000		
	Dp mid high calibration (In H2O)	187.5000	DP high calib (In
H2O)	250.0000		
	SP low calib (PSIA)	12.0000	Sp mid low
calibration (PSIA)	137.0000		
	SP mid calib (PSIA)	262.0000	Sp mid high
calibration (PSIA)	387.0000		
	SP high calib (PSIA)	512.0000	

Totalflow Laptop Data Verification Report  
Printed date: 07/01/2011

page 1

Effective dates: 05/27/2011 thru 07/01/2011

Meter	Location	Date	Error
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Forest Oil RH 11-31.txt

**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>UTU-76281</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:
		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 11-31</b>	
2. NAME OF OPERATOR: <b>Forest Oil Corporation</b>		9. API NUMBER: <b>4304733312</b>
3. ADDRESS OF OPERATOR: <b>707 17th Street, Ste 3600</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 812-1676</b>	10. FIELD AND POOL, OR WILDCAT: <b>N/A</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1980' FSL &amp; 1980' FWL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESW 31 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: _____	<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: <u>Gas Analysis</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.

Forest Oil Corporation would respectfully like to send you the quarterly gas analysis for the Rock House 11-31. I have attached this report to this sundry. Please let me know if you have any questions or concerns.

Thank you,  
Kelly

NAME (PLEASE PRINT) <u>Kelly Harris</u>	TITLE <u>Regulatory Tech</u>
SIGNATURE	DATE <u>8/2/2011</u>

(This space for State use only)

**RECEIVED**  
**AUG 03 2011**  
**DIV. OF OIL, GAS & MINING**



Forest Oil RH 11-31.txt

AIU Stream ID	n/a
Fixed anlys on err?	No
Init anls accepted	No
F(pv) calculation method	AGA8 GM2
Tap type	Flange Taps
Tap location	Upstream
Volume calculation type	AGA3 1992
Volume log period	60 minutes
Volume calc period	1 minute
Primary Element	ORIFICE
Calculation units type	US
Report units type	US
Fixed Cd	0.6000
Zba	0.9996
Orif reference temp (Deg F)	68.0000
Pipe reference temp (Deg F)	68.0000
Orif coef of expansion (PSIA)	9.2500
Pipe coef of expansion (PSIA)	6.2000
Ratio of spec heats	1.3000
Barometric pressure (PSIA)	12.0000
Orifice Diameter (Inches)	0.7500
Pipe Diameter (Inches)	2.0670
Absolute viscosity (cP)	0.0103
DP zero cutoff (In H2O)	0.2500

----- Auxiliary Contact Setup -----

Trip contact1 on low chrg?	No
Trip contact1 on DP/AVol low?	No
Trip contact1 on DP/AVol high?	No
Trip contact1 on SP low?	No

Forest Oil RH 11-31.txt

Trip contact1 on SP high?	No
Trip contact1 on Remote?	No
Auto reopen contact1	Yes
Trip contact1 on volume SP?	No
Vol Setpoint for Contact1 (MCF/Day)	100.0000
Trip contact1 on low temp?	No
Trip contact1 on high temp?	No
Trip contact1 on low flow?	No
Trip contact1 on high flow?	No
Trip contact2 on low chrg?	No
Trip contact2 on DP low?	No
Trip contact2 on DP high?	No
Trip contact2 on SP low?	No
Trip contact2 on SP high?	No
Trip contact2 on Remote?	No

Totalflow Laptop Characteristic Report (Report Code: 300)  
 Printed date: 07/01/2011

page 2

Station ID:

Device ID : RH 11-31  
 Auto reopen contact2?

Location:  
 Yes

Rock House 11-31

Trip contact2 on volume SP?	No
Vol Setpoint for Contact2 (MCF/Day)	100.0000
Trip contact2 on low temp?	No
Trip contact2 on high temp?	No
Trip contact2 on low flow?	No
Trip contact2 on high flow?	No

----- Fixed Analysis Data -----

16:34	Heating value (BTU/SCF)	1137.2000	06/20/2011
16:34	Specific Gravity	0.6512	06/20/2011
16:34	N2 Content (Mol %)	0.1472	06/20/2011

Forest Oil RH 11-31.txt

16:34	CO2 Content (Mol %)	0.9973	06/20/2011
16:34	H2S content (Mol %)	0.0000	
	H2O content (Mol %)	0.0000	
	Helium content (Mol %)	0.0000	
16:34	Methane content (Mol %)	89.2775	06/20/2011
16:34	Ethane content (Mol %)	4.9015	06/20/2011
16:34	Propane content (Mol %)	2.7608	06/20/2011
16:34	n-Butane content (Mol %)	0.7459	06/20/2011
16:34	i-Butane content (Mol %)	0.3825	06/20/2011
16:34	n-Pentane content (Mol %)	0.1894	06/20/2011
16:34	i-Pentane content (Mol %)	0.1866	06/20/2011
16:34	n-Hexane content (Mol %)	0.2468	06/20/2011
16:34	n-Heptane content (Mol %)	0.1234	06/20/2011
16:34	n-Octane content (Mol %)	0.0412	06/20/2011
16:34	n-Nonane content (Mol %)	0.0000	
	n-Decane content (Mol %)	0.0000	
	Oxygen content (Mol %)	0.0000	
	CO content (Mol %)	0.0000	
	Hydrogen content (Mol %)	0.0000	
	Argon content (Mol %)	0.0000	

----- Factors / Factor Selects -----

Fixed F(t)	1.0000
Fixed F(p)	1.0000
Faux - orifice	1.0000
Use Y	Yes
Use Fpv	Yes
Use Fw	No
Use Faux - orifice	No
Use Calc Cd	Yes

Use SP,DP sqrt averages

NO

----- Limits / Calibration Data -----

16:21	Temperature bias (Deg F)	-0.4600	06/20/2011
	DP low limit (In H2O)	0.0000	
	DP high limit (In H2O)	400.0000	
	SP low limit (PSIA)	0.0000	
	SP high limit (PSIA)	500.0000	
	Tf low limit (Deg F)	0.0000	
	Tf high limit (Deg F)	150.0000	
	Flow Rate Low Limit (MCF/Day)	0.0000	
	Flow Rate High Limit (MCF/Day)	24000.0000	
16:12	DP low calib (In H2O)	0.0000	06/20/2011
16:12	Dp mid low calibration (In H2O)	62.5000	06/20/2011
16:12	DP mid calib (In H2O)	125.0000	06/20/2011
16:12	Dp mid high calibration (In H2O)	187.5000	06/20/2011
16:12	DP high calib (In H2O)	250.0000	06/20/2011
15:58	SP low calib (PSIA)	12.0000	06/20/2011
15:58	Sp mid low calibration (PSIA)	137.0000	06/20/2011
15:58	SP mid calib (PSIA)	262.0000	06/20/2011
15:58	Sp mid high calibration (PSIA)	387.0000	06/20/2011
15:58	SP high calib (PSIA)	512.0000	06/20/2011

----- Last Calc Period Alarms -----

- Last Calc Period Data / Volume Totals -

Last Calc Period DP (In H2O)	0.3132
Last Calc Period SP (PSIA)	348.3131
Last Calc Period Tf (Deg F)	81.7266

Forest Oil RH 11-31.txt

Last Calc Period Volume	0.0252
Last Calc Period Qv	1513.3236
Last Calc Period Int Range	60

Totalflow Laptop Characteristic Report (Report Code: 300)  
 Printed date: 07/01/2011

page 3

Station ID:		
Device ID : RH 11-31	Location:	Rock House 11-31
Last Calc Period Int Counts	60	
Last Calc Period Integral	0.4488	
Last Calc Period Int Multiplier	3371.9805	
Last Calc Period Y expansion	1.0000	
Last Calc Period FIP	0.8654	
Last Calc Period EV	1.0088	
Last Calc Period d (Corr Orifice)	0.7501	
Last Calc Period D (Corr Pipe)	2.0672	
Last Calc Period Rhob	0.0498	
Last Calc Period Qm	75.4173	
Last Calc Period Cd	0.6047	
Last Calc Period Fpv	1.0283	
Last Calc Period Fw	1.0000	
Last Calc Period Faux	1.0000	
Last Calc Period Heating Value (BTU/SCF)	1137.2000	
Last Calc Period Specific Gravity	0.6512	
Last Calc Period Nitrogen (Mol %)	0.1472	
Last Calc Period Carbon Dioxide (Mol %)	0.9973	
Last Calc Period H2S (Mol %)	0.0000	
Last Calc Period Water (Mol %)	0.0000	
Last Calc Period Helium (Mol %)	0.0000	
Last Calc Period Methane (Mol %)	89.2775	
Last Calc Period Ethane (Mol %)	4.9015	
Last Calc Period Propane (Mol %)	2.7608	

Forest Oil RH 11-31.txt

Last Calc Period nButane (Mol %)	0.7459
Last Calc Period iButane (Mol %)	0.3825
Last Calc Period nPentane (Mol %)	0.1894
Last Calc Period iPentane (Mol %)	0.1866
Last Calc Period nHexane (Mol %)	0.2468
Last Calc Period nHeptane (Mol %)	0.1234
Last Calc Period nOctane (Mol %)	0.0412
Last Calc Period nNonane (Mol %)	0.0000
Last Calc Period nDecane (Mol %)	0.0000
Last Calc Period Oxygen (Mol %)	0.0000
Last Calc Period Carbon Monoxide (Mol %)	0.0000
Last Calc Period Hydrogen (Mol %)	0.0000
Last Calc Period Argon (Mol %)	0.0000

Totalflow Laptop Combo Daily Volume Report (Report Code: 322) page 1  
 Printed date: 07/01/2011

Station ID:  
 Device ID : RH 11-31 Location: Rock House 11-31

Collection Time: 07/01/2011 14:24:45

Firmware Revision:

SYSTEM:

STATE:

LEASE:

PRODUCER:

OPERATOR:

BUYER:

Integral	Date	DP	SP	Tf	Volume	Energy
Flow	aadd zbra tad ll	In H2O	amc	Deg F	MCF	MMBTU
Time %	hlhl ffsc eee cl nge		PSIA			

30.7399	05/27/2011	44.39	310.44	66.83	104.9588	104.9588
28.2507	05/28/2011	42.10	317.26	67.68	96.4627	96.4627
28.6584	05/29/2011	51.80	310.26	63.50	97.6208	97.6208
24.8326	05/30/2011	69.78	294.03	58.00	84.2896	84.2897
28.6262	05/31/2011	42.10	318.98	67.18	97.7609	97.7609

141.1078	Monthly:	50.03	310.19	64.64	481.0927	481.0928
----------	----------	-------	--------	-------	----------	----------

DP Percent Low: 44.91 Percent High: 1.82 Min: 0.00 Max: 662.83  
 SP Percent Low: 0.00 Percent High: 0.00 Min: 145.26 Max: 377.00  
 Tf Percent Low: 0.00 Percent High: 0.00 Min: 38.36 Max: 81.84  
 Backflow: 0.00  
 I Mult. Avg: 3408.94

Totalflow Laptop Combo Daily Volume Report (Report Code: 322)  
 Printed date: 07/01/2011

page 2

Station ID:

Device ID : RH 11-31

Location:

Rock House 11-31  
 Energy

Date	DP	SP	Tf	Volume	Rock House 11-31 Energy	
Integral Flow	aadd zbra tad ll amc	In H2O	PSIA	Deg F	MCF	MMBTU
Time % hlhl ffsc eee cl nge						

---

06/01/2011	29.10	327.66	68.87	127.4195	127.4196
37.1780 87.17 --xx x---	--x x-	---			
06/02/2011	30.40	328.24	68.98	110.1368	110.1368
32.1339 72.39 --xx x---	--x x-	---			

Forest Oil RH 11-31.txt

06/03/2011	45.14	317.15	69.26	111.7744	111.7744
32.7281 56.99 --xx x----	--x x-	---			
06/04/2011	34.95	324.17	72.21	127.8469	127.8469
37.3437 74.96 --xx x----	--x x-	---			
06/05/2011	26.23	330.15	74.93	137.3542	137.3542
40.0085 92.61 --xx x----	--x x-	---			
06/06/2011	32.51	326.01	74.72	136.4400	136.4400
39.8471 84.17 --xx x----	--x x-	---			
06/07/2011	31.33	325.15	72.41	120.3342	120.3342
35.1117 75.10 --xx x----	--x x-	---			
06/08/2011	31.25	277.72	73.24	116.6101	116.6101
34.0597 76.14 --xx xx--	--x x-	---			
06/09/2011	38.89	320.80	69.78	119.8130	119.8130
35.0307 66.98 --xx x----	--x x-	---			
06/10/2011	33.58	317.85	71.85	120.8267	120.8267
35.2920 73.58 --xx x----	--x x-	---			
06/11/2011	31.95	318.86	72.65	140.7804	140.7804
41.1285 89.57 --xx x----	--x x-	---			
06/12/2011	27.38	317.47	71.78	129.2190	129.2190
37.6974 90.03 --x- x----	--x x-	---			
06/13/2011	32.38	315.05	71.41	130.3416	130.3417
38.0444 79.95 --xx x----	--x x-	---			
06/14/2011	29.83	317.43	72.85	132.8552	132.8552
38.7347 83.01 --xx x----	--x x-	---			
06/15/2011	24.69	326.12	75.05	140.8985	140.8985
40.9992 95.30 --xx x----	--x x-	---			
06/16/2011	33.23	319.27	65.16	116.1342	116.1343
33.9572 78.22 --xx x----	--x x-	---			
06/17/2011	28.67	319.20	67.70	112.0185	112.0185
32.6452 73.98 --xx x----	--x x-	---			
06/18/2011	25.82	324.19	71.28	140.8620	140.8620
40.9885 93.68 --xx x----	--x x-	---			
06/19/2011	47.12	315.00	60.84	84.0673	84.0673
24.6695 46.71 --xx x----	--x x-	---			
06/20/2011	51.47	298.87	69.44	100.2720	106.7533
29.9051 46.09 --xx x----	--x x-	---			
06/21/2011	59.26	296.77	78.06	80.7804	91.8635
24.6230 35.15 --xx x----	--x x-	---			
06/22/2011	55.77	301.34	81.87	96.8562	110.1448
29.5380 44.60 --xx x----	--x x-	---			
06/23/2011	43.57	310.88	84.44	96.6303	109.8880
29.4280 53.34 --xx x----	--x x-	---			
06/24/2011	47.92	307.35	84.19	101.6511	115.5976
30.9888 52.96 --xx x----	--x x-	---			
06/25/2011	50.82	305.96	83.97	101.0747	114.9422
30.8395 51.34 --xx x----	--x x-	---			
06/26/2011	45.60	308.52	82.82	90.9244	103.3992
27.6850 48.26 --xx x----	--x x-	---			
06/27/2011	51.62	304.92	83.75	101.3516	115.2570
30.8931 49.36 --xx x----	--x x-	---			
06/28/2011	41.22	313.60	84.99	95.7953	108.9384
29.1717 55.67 --xx x----	--x x-	---			
06/29/2011	51.75	304.30	81.44	88.7013	100.8712
27.0569 45.06 --xx x----	--x x-	---			
06/30/2011	154.94	251.36	67.88	68.0413	77.3766
20.9264 15.34 --xx x----	--x x-	---			

-----  
 Monthly: 42.28 312.38 74.26 3377.8115 3510.7648  
 998.6534 66.26 --xx xx-- --x x- ---

DP Percent Low: 26.87 Percent High: 1.59 Min: 0.00 Max: 677.28  
 Page 10

Forest Oil RH 11-31.txt  
 SP Percent Low: 0.00 Percent High: 0.00 Min: 12.00 Max: 420.73  
 Tf Percent Low: 0.00 Percent High: 0.00 Min: 45.41 Max: 101.00  
 Backflow: 0.00  
 I Mult. Avg: 3373.90

Totalflow Laptop Combo Daily Volume Report (Report Code: 322) page 3  
 Printed date: 07/01/2011

Station ID:  
 Device ID : RH 11-31 Location: Rock House 11-31  
 Date/Time Description Old Value New Value

Seq

---

314	06/20/2011 15:58:17	SP mid calib (PSIA)	262.0000	262.0000
315	06/20/2011 15:58:17	sp mid low calibration (PSIA)	137.0000	137.0000
316	06/20/2011 16:00:35	SP calib check (PSIA)	137.0000	137.0248
317	06/20/2011 16:01:34	SP calib check (PSIA)	512.0000	512.1401

Forest Oil RH 11-31.txt

318	06/20/2011 16:02:26	SP calib check (PSIA)	387.0000	387.0858
319	06/20/2011 16:02:50	SP calib check (PSIA)	387.0000	387.0550
320	06/20/2011 16:03:03	SP calib check (PSIA)	387.0000	387.0009
321	06/20/2011 16:04:02	SP calib check (PSIA)	262.0000	261.9503
322	06/20/2011 16:04:54	SP calib check (PSIA)	262.0000	262.0063
323	06/20/2011 16:05:35	SP calib check (PSIA)	12.0000	12.0462
324	06/20/2011 16:12:48	DP low calib (In H2O)	0.0000	0.0000
325	06/20/2011 16:12:48	DP high calib (In H2O)	250.0000	250.0000
326	06/20/2011 16:12:48	Dp mid high calibration (In H2)	187.5000	187.5000
327	06/20/2011 16:12:48	DP mid calib (In H2O)	125.0000	125.0000
328	06/20/2011 16:12:48	Dp mid low calibration (In H2O)	62.5000	62.5000
329	06/20/2011 16:14:27	DP calib check (In H2O)	62.5000	62.4904
330	06/20/2011 16:15:20	DP calib check (In H2O)	250.0000	250.0299
331	06/20/2011 16:16:22	DP calib check (In H2O)	187.5000	187.4891
332	06/20/2011 16:17:18	DP calib check (In H2O)	125.0000	124.9683
333	06/20/2011 16:17:38	DP calib check (In H2O)	0.0000	-0.0052
334	06/20/2011 16:19:55	Tf Calibration Check (Deg F)	150.0000	150.4689
335	06/20/2011 16:20:15	Tf Calibration Check (Deg F)	75.0000	75.5410
336	06/20/2011 16:20:36	Tf Calibration Check (Deg F)	0.0000	0.5333
337	06/20/2011 16:21:23	Temperature bias (Deg F)	-0.0070	-0.4600
338	06/20/2011 16:21:50	Tf Calibration Check (Deg F)	0.0000	0.0775
339	06/20/2011 16:22:12	Tf Calibration Check (Deg F)	75.0000	75.0512
340	06/20/2011 16:22:20	Tf Calibration Check (Deg F)	75.0000	75.0068
341	06/20/2011 16:22:52	Tf calibration check (Deg F)	150.0000	149.9852
342	06/20/2011 16:27:18	Hold last read analog vals	Yes	No
343	06/20/2011 16:34:36	Heating value (BTU/SCF)	1000.0000	1137.2000
344	06/20/2011 16:34:36	Specific Gravity	0.6000	0.6512
345	06/20/2011 16:34:36	N2 Content (Mol %)	0.0000	0.1472
346	06/20/2011 16:34:36	CO2 Content (Mol %)	0.0000	0.9973
347	06/20/2011 16:34:36	Methane content (Mol %)	100.0000	89.2775
348	06/20/2011 16:34:36	Ethane content (Mol %)	0.0000	4.9015
	06/20/2011 16:34:37	Propane content (Mol %)	0.0000	2.7608

Forest Oil RH 11-31.txt				
349	06/20/2011 16:34:37	n-Butane content (Mol %)	0.0000	0.7459
350	06/20/2011 16:34:37	i-Butane content (Mol %)	0.0000	0.3825
351	06/20/2011 16:34:37	n-Pentane content (Mol %)	0.0000	0.1894
352	06/20/2011 16:34:37	i-Pentane content (Mol %)	0.0000	0.1866
353	06/20/2011 16:34:37	n-Hexane content (Mol %)	0.0000	0.2468
354	06/20/2011 16:34:37	n-Heptane content (Mol %)	0.0000	0.1234
355	06/20/2011 16:34:38	n-Octane content (Mol %)	0.0000	0.0412
356				

Totalflow Laptop Combo Daily Volume Report (Report Code: 322)  
 Printed date: 07/01/2011

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Station ID:

Device ID : RH 11-31

Location:

Rock House 11-31

----- Basic Characteristic Data -----

Flow Rate (MCF/Day) 36.5462

Accum Vol (MCF/Hr)

71991.7734

Battery (Volts) 13.8852

Current Measured

Static Pressure 348.8085

Current Diff Pressure (In H2O)	0.3166	Current Flowing
Temp (Deg F)	81.8736	Pressure base
(PSIA) Yesterday's Vol (MCF/Hr)	68.0413	Fixed temperature
Temperature base (Deg F)	60.0000	Check security
(Deg F) RTD installed	Yes	Last Operator
No	No	Attached to stream?
Password Mode	No	Fixed anlyns on err?
Tf used in flow calcs	Yes	F(pv) calculation
No	n/a	Tap location
AIU Stream ID	n/a	Volume log period
No	No	Primary Element
Init anls accepted	No	Report units type
method AGA8 GM2		Zba
Tap type	Flange Taps	Pipe reference temp
Upstream		Pipe coef of
Volume calculation type	AGA3 1992	Barometric pressure
60 minutes		Pipe Diameter
Volume calc period	1 minute	DP zero cutoff (In
ORIFICE		
calculation units type	US	Trip contact1 on
US		Trip contact1 on SP
Fixed Cd	0.6000	Trip contact1 on
0.9996		Trip contact1 on
Orif reference temp (Deg F)	68.0000	Trip contact1 on
(Deg F) Orif coef of expansion (PSIA)	9.2500	Trip contact1 on
expansion (PSIA) 6.2000		Trip contact1 on
Ratio of spec heats	1.3000	Trip contact1 on
(PSIA) Orifice Diameter (Inches)	0.7500	Trip contact1 on
(Inches) 2.0670		Trip contact1 on
Absolute viscosity (cP)	0.0103	Trip contact2 on
H2O) 0.2500		Trip contact2 on DP
----- Auxiliary Contact Setup -----		Trip contact2 on SP
Trip contact1 on low chrg?	No	Auto reopen
DP/AVol low? No		Vol Setpoint for
Trip contact1 on DP/AVol high?	No	Trip contact2 on
low? No		Trip contact2 on
Trip contact1 on SP high?	No	
Remote? No		
Auto reopen contact1	Yes	
volume SP? No		
Vol setpoint for Contact1 (MCF/Da	100.0000	
low temp? No		
Trip contact1 on high temp?	No	
low flow? No		
Trip contact1 on high flow?	No	
low chrg? No		
Trip contact2 on DP low?	No	
high? No		
Trip contact2 on SP low?	No	
high? No		
Trip contact2 on Remote?	No	
contact2? Yes		
Trip contact2 on volume SP?	No	
Contact2 (MCF/Da 100.0000		
Trip contact2 on low temp?	No	
high temp? No		
Trip contact2 on low flow?	No	
high flow? No		

----- Fixed Analysis Data -----			
	Heating value (BTU/SCF)	1137.2000	Specific Gravity
	0.6512		
	N2 Content (Mol %)	0.1472	CO2 Content (Mol %)
	0.9973		
	H2S content (Mol %)	0.0000	H2O content (Mol %)
	0.0000		
	Helium content (Mol %)	0.0000	Methane content
(Mol %)	89.2775		
	Ethane content (Mol %)	4.9015	Propane content
(Mol %)	2.7608		
	n-Butane content (Mol %)	0.7459	i-Butane content
(Mol %)	0.3825		
	n-Pentane content (Mol %)	0.1894	i-Pentane content
(Mol %)	0.1866		
	n-Hexane content (Mol %)	0.2468	n-Heptane content
(Mol %)	0.1234		
	n-Octane content (Mol %)	0.0412	n-Nonane content
(Mol %)	0.0000		
	n-Decane content (Mol %)	0.0000	Oxygen content (Mol %)
(Mol %)	0.0000		
	CO content (Mol %)	0.0000	Hydrogen content
(Mol %)	0.0000		
	Argon content (Mol %)	0.0000	
----- Factors / Factor Selects -----			
	Fixed F(t)	1.0000	Fixed F(p)
	1.0000		
	Faux - orifice	1.0000	Use Y
	Yes		
	Use Fpv	Yes	Use Fw
	No		
	Use Faux - orifice	No	Use Calc Cd
	Yes		
	Use SP,DP sqrt averages	No	
----- Limits / Calibration Data -----			
H2O)	Temperature bias (Deg F)	-0.4600	DP low limit (In
	0.0000		
	DP high limit (In H2O)	400.0000	SP low limit (PSIA)
	0.0000		
	SP high limit (PSIA)	500.0000	Tf low limit (Deg
F)	0.0000		
	Tf high limit (Deg F)	150.0000	Flow Rate Low Limit
(MCF/Day)	0.0000		
	Flow Rate High Limit (MCF/Day)	24000.0000	DP low calib (In
H2O)	0.0000		
	Dp mid low calibration (In H2O)	62.5000	DP mid calib (In
H2O)	125.0000		
	Dp mid high calibration (In H2O)	187.5000	DP high calib (In
H2O)	250.0000		
	SP low calib (PSIA)	12.0000	Sp mid low
calibration (PSIA)	137.0000		
	SP mid calib (PSIA)	262.0000	Sp mid high
calibration (PSIA)	387.0000		
	SP high calib (PSIA)	512.0000	

Totalflow Laptop Data Verification Report  
Printed date: 07/01/2011

page 1

Effective dates: 05/27/2011 thru 07/01/2011

Meter	Location	Date	Error
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Forest Oil RH 11-31.txt

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 *[Signature]* 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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**UTU-76281**

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
**Rock House 11-31**

9. API Well No.  
**43-047-33312**

10. Field and Pool, or Exploratory Area  
**Natural Buttes**

11. County or Parish, State  
**Uintah, Utah**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
 Oil Well   Gas Well  Other

2. Name of Operator  
**Enduring Resources, LLC**

3a. Address  
**511 16th Street, Suite 700, Denver CO, 80202**

3b. Phone No. (include area code)  
**303-573-1222**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FSL - 1980' FWL NESW Sec. 31, T10S R23E S.L.B.&M.**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Change of Operator</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Effective: 5/31/2013</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Please be advised that Enduring Resources, LLC ("ERC") is considered to be the operator of the Rock House #11-31 Well; located in the NESW of Section 31, Township 10 South, Range 23 East; Lease Serial No. UTU-76281; Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.**

**BLM Statewide Oil & Gas Lease Bond No. UTB000173  
State of Utah, Division of Oil, Gas & Mining Surety Bond No. RLB0008031**

ENDURING RESOURCES, LLC

X   
BY: Alex B. Campbell  
TITLE: Vice President

FOREST OIL CORPORATION

X   
BY: Scott Laverde  
TITLE: Vice President

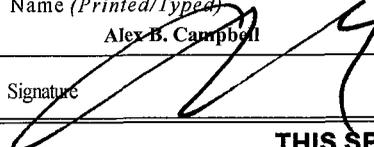
RECEIVED  
JUL 25 2013

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

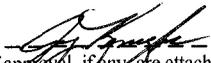
Alex B. Campbell

Title Vice President

Signature 

Date 05/13/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by 

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Assistant Field Manager  
Title Lands & Mineral Resources

Date JUN 28 2013

Office **VERNAL FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**UDOGM**