

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500  
Denver, Colorado 80202  
Telephone: 303-573-1222  
Facsimile: 303-573-0461

May 16, 2006

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

Attention: Diana Whitney

**RE: Rock House 10-23-11-30 Well**

FEE	SURF	860' FNL- 1862' FWL	NENW	Sec 30-10S-23E
UTU-76281	BHL	660' FNL-660' FWL	NWNW	Sec 30-10S-23E

Uintah County, Utah

Dear Ms. Whitney

Attached is one original application to drill for the above-referenced proposed well.

This is a federal well drilled from fee lands. Attached is a copy of the form of surface use agreement between American Gilsonite and Enduring.

Enduring Resources, LLC respectfully requests that this information, and future information, be held confidential.

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

**RECEIVED**

**MAY 22 2006**

DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: UTU-76281	-6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Enduring Resources, LLC		9. WELL NAME and NUMBER: Rock House 10-23-11-30	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80220		PHONE NUMBER: (303) 350-5114	10. FIELD AND POOL, OR WILDCAT: <del>Undesignated</del> <i>Natural Burro</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 860' FNL-1862' FWL NENW <i>639166X 4420467Y 39.924769 -109.371516</i> AT PROPOSED PRODUCING ZONE: 660' FNL-660' FWL NWNW <i>638799X 4420526Y 39.925362 -109.375800</i>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 80.3 miles Southeast from Vernal, Utah		12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Surf 869' BHL 660'	16. NUMBER OF ACRES IN LEASE: 640 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1000' + BHL (25' Surf)	19. PROPOSED DEPTH: 8,465	20. BOND DESCRIPTION: RLB0008031	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5550' KB-RT	22. APPROXIMATE DATE WORK WILL START: 7/1/2006	23. ESTIMATED DURATION: 20 days	

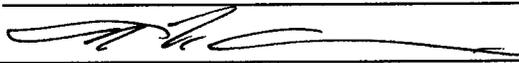
24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14" line pipe	40	3 yards	Ready Mix		
11"	8-5/8" J-55 24#	2,000	Premium Lead	138 sxs	3.50	11.1
			Premium Tail	138 sxs	1.15	15.8
7-7/8"	4-1/2" N-80 11.6#	8,465	Class G	158 sxs	3.3	11.0
			50/50 Poz Class G	902 sxs	1.56	14.3

25. ATTACHMENTS

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

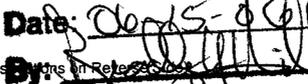
- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR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

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE  DATE 5/3/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38132

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

Date: 05-03-06  
By: 

RECEIVED

MAY 22 2006



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Facsimile: 303-573-0461

May 16, 2006

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801  
Attention: Ms. Diana Whitney

**RE: Exception Locations – Directional Drilled Wells**  
Uintah County, Utah – FEE Surface Pad

Dear Ms. Whitney:

Enduring Resources, LLC respectfully requests a spacing exception for the following wells. Five wells will be drilled from this well pad. Surface locations will be 25', more or less apart. BHL's for each well will be in its own "assigned" 40-acre, 200' drilling window. No BHL's will be within 960' of each other. All of the wells, except one vertical well on this pad are being drilled directional to limit surface impact.

<u>WELL NAME&amp; NUMBER</u>	<u>WELL LOCATIONS</u>
a. Rock House 10-23-31-30 BHL-FEE	SURF 810' FNL-1807' FWL NENW Sec 30-10S-23E BHL 660' FNL- 1980' FEL NWNE Sec 31-10S-23E
b. Rock House 10-23-21-30 BHL-FEE	SURF 835' FNL-1866' FWL NENW Sec 30-10S-23E BHL SAME-VERTICAL
c. Rock House 10-23-11-30 BHL-UTU-76281	SURF 860' FNL- 1862' FWLNENW Sec 30-10S-23E BHL 660' FNL-660' FWL NWNW Sec 30-10S-23E
d. Rock House 10-23-12-30 BHL-UTU-76281	SURF 884' FNL-1858' FWL NENW Sec 30-10S-23E BHL 1980' FNL-660' FWL SWNW Sec 30-10S-23E
e. Rock House 10-23-22-30 BHL-UTU-81737	SURF 909' FNL-1854' FWL NENW Sec 30-10S-23E BHL 1980' FNL-1980' FWL SENW Sec 30-10S-23E

Enduring Resources, LLC is the only lease owner within a 460' radius of any point of any of the well bores, the surface locations, and the four BHL's, to be drilled from this pad.

Therefore, Enduring Resources, LLC hereby grants itself permission to directionally drill the wells and the four exception well locations.

Very truly yours

**ENDURING RESOURCES, LLC**



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Landman – Regulatory Specialist

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DIV. OF OIL, GAS & MINING

**SELF-CERTIFICATION STATEMENT**

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

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well (and the two additional "Federal" wells to be drilled from this same pad and federal lease).

**Rock House 10-23-11-30 Well**

FEE	SURF	860' FNL-	1862' FWL	NENW	Sec 30-10S-23E
UTU-76281	BHL	660' FNL-	660' FWL	NWNW	Sec 30-10S-23E

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.



May 16, 2006

Alvin R. Arlian  
Regulatory Specialist  
Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202  
(303) 350-5114

RECEIVED  
MAY 22 2006  
DIV. OF OIL, GAS & MINING

# Enduring Resources, LLC

Rock House 10-23-11-30  
NW-NW 30-10S-23E (Bottom Hole Location)  
NW-NE 30-10S-23E (Surface Location)  
Uintah County, Utah

Federal Lease: UTU-76281

## ONSHORE ORDER 1 - DRILLING PLAN

### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	1173'
Wasatch	3923'
Mesaverde	5980'

### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5550' est.	
Oil / Gas	Green River	1173'
Oil /Gas	Wasatch	3923'
Oil /Gas	Mesaverde	5980'
	TD	8465'

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

### 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

## 4. Proposed Casing & Cementing Program:

### A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 8465' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

**B. Casing Design Parameters:**

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
8465' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.44 (d)	7780/1.92 (e)	223/2.64 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

**PROPOSED CEMENTING PROGRAM**

**Surface Casing (if well will circulate)-Cemented to surface**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft<sup>3</sup>/sx) cement will be premium cement w/ 3% CaCl<sub>2</sub> + 0.25 pps celloflake. Volume as required

**Surface Casing (if well will not circulate) - Cemented to surface**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15

**Production Casing and Liner - Cemented TD to 300' above base of surface casing**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
4-1/2"	Lead	1807	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	158	25	11.0	3.3
4-1/2"	Tail	4942	50/50 POZ Class G + 2% gel + 1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	902	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

**5. Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-8465' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

**6. Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

### Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML  
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:  
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

### 7. Abnormal Conditions:

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

Maximum anticipated bottom hole pressure equals approximately 4,402 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,540 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

### 8. Anticipated Starting Dates:

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

### 9. Variations:

None anticipated

### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

A measurement while drilling (MWD) system will be used to track and control the directional path of the wellbore.

## Enduring Resources, LLC

E      **Rock House 10-23-11-30**  
NW-NW 30-10S-23E (Bottom Hole Location)  
NW-N~~E~~ 30-10S-23E (Surface Location)  
W      Uintah County, Utah

Federal Lease: UTU-76281

### MULTI-POINT SURFACE USE & OPERATIONS PLAN

(This will be a five-well pad.)

#### 1. Existing Roads:

**Directions to the SURFACE LOCATION of the Rock House 10-23-21-30, Rock House 10-23-31-30, Rock House 10-23-11-30, Rock 10-23-22-30, & Rock House 10-23-12-30**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 2.1 MILES TO A CLASS D COUNTY ROAD; EXIT LEFT AND

PROCEED IN AN SOUTHWESTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 1.7 MILES TO A SECOND CLASS D COUNTY ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE SECOND CLASS D ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 80.3 MILES IN A SOUTHEASTERLY DIRECTION.

## 2. Planned Access Roads:

If this is the first well pad in Sections 30 and Section 31, the proposed access road will be approximately 12,195' feet of new construction, being as follows:

Segment	LEASE	Owner	Surface	Length
1	UTU-76281	BLM	ON-LEASE	470'
2	UTU-81737	BLM	OFF-LEASE	3210'
3	UTU-76281	BLM	ON-LEASE	280'
4	UTU-81737	BLM	OFF-LEASE	1125'
5	UTU-76281	BLM	ON-LEASE	1890'
6	UTU-81737	BLM	OFF-LEASE	4975'
7	FEE	FEE	OFF-LEASE	245'
BHL	UTU-81737	BLM	N/A	N/A

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during

operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. 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. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

**3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):**

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- a. None: Water Wells:
  - b. None: Injection Wells:
  - c. None: Producing Wells:
  - d. None: Drilling Wells:
  - e. None: Shut-in Wells:
  - f. None: Temporarily Abandoned Wells:
  - g. None: Disposal Wells:
  - h. None: Abandoned Wells:
  - i. None: Dry Holes:
  - j. None: Observation Wells:
  - k. Various: Pending (staked) Wells:
- Enduring has over 12 wells staked w/l one mile of this well's BHL.

**4. Location of Existing and/or Proposed Facilities:**

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

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.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Black. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for each well drilled on with pad will be:

The proposed 4" surface pipeline will begin at the well site; and shall be laid on the surface next to the new access road (southerly), and then the tie-in point shall be into the Rock House 11-31 pipeline at a point in the SE/4SW/4 of Section 30. See plats.

Segment	LEASE	Owner	Surface	Length
1	UTU-76281	BLM	ON-LEASE	490'
2	UTU-81737	BLM	OFF-LEASE	4600'
3	UTU-76281	BLM	ON-LEASE	1,930'
4	UTU-81737	BLM	OFF-LEASE	4935'
5	FEE	FEE	OFF-LEASE	240'
BHL	UTU-81737	BLM	N/A	N/A

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

**5. Location and Type of Water Supply:**

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (\*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior to commencing operations. (These permits have one-year terms and then must be renewed)

\*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

**6 Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

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

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used 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 or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

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

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

**8. Ancillary Facilities:**

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

**9. Well Site Layout: (Refer to Sheets #2, #3, and #4)**

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

**10. Plans for Surface Reclamation:****Producing Location:**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production, **or the drilling of additional wells from this same pad.**
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7, **unless that pit is being used for the drilling of additional wells from this same pad.**
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

**Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

**Seed Mixture for Windrowed Top Soil Will Included:**

1. Indian Rice Grass 4#'s per acre,
2. Crested Wheat Grass 4#'s per acre,
3. Needle and Thread 4#'s per acre, or
4. As requested by the BLM.

**11. Surface Ownership: Location, Access and Pipeline Route:**

Wellsite: FEE  
BHL: Bureau of Land Management  
Access: FEE and Bureau of Land Management  
Pipeline: FEE and Bureau of Land management

**12. Other Information****On-site Inspection for Location, Access and Pipeline Route:**

The on-site was conducted February 9, 2006.

**Special Conditions of Approval:**

- Tanks and Production Equipment shall be painted Dark Olive Black.
- Surface Gathering Pipeline shall be 4" or less.

**Archeology:**

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

**Paleontology:**

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

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

**13, Lessee's or Operator's Representatives:****Representatives:**

Alvin R. (Al) Arlian  
Landman – Regulatory Specialist  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-350-5114  
Fax Tel: 303-573-0461  
Cell: 303-880-3841  
[aarlian@enduringresources.com](mailto:aarlian@enduringresources.com)

Teme Singleton  
Drilling Engineer  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-573-5102  
Fax Tel: 303-573-0461  
Cell: 985-502-5070  
[tsingleton@enduringresources.com](mailto:tsingleton@enduringresources.com)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his/her/its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her/its contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

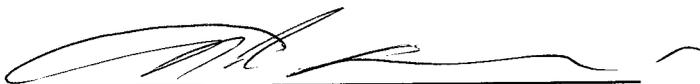
The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

**Certification:**

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

Please be advised that Enduring Resources, LLC is considered to be the operator of the Rock House 10-23-11-30 Well; NW/4NW/4 (BHL) Section 30, Township 10 South, Range 23 East; Lease #: 76281, Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Statewide Oil & Gas Lease Bond No. UTB000173 and State of Utah Division of Oil, Gas & Mining Surety Bond No. RLB0008031

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian,  
Landman – Regulatory Specialist

May 2, 2006

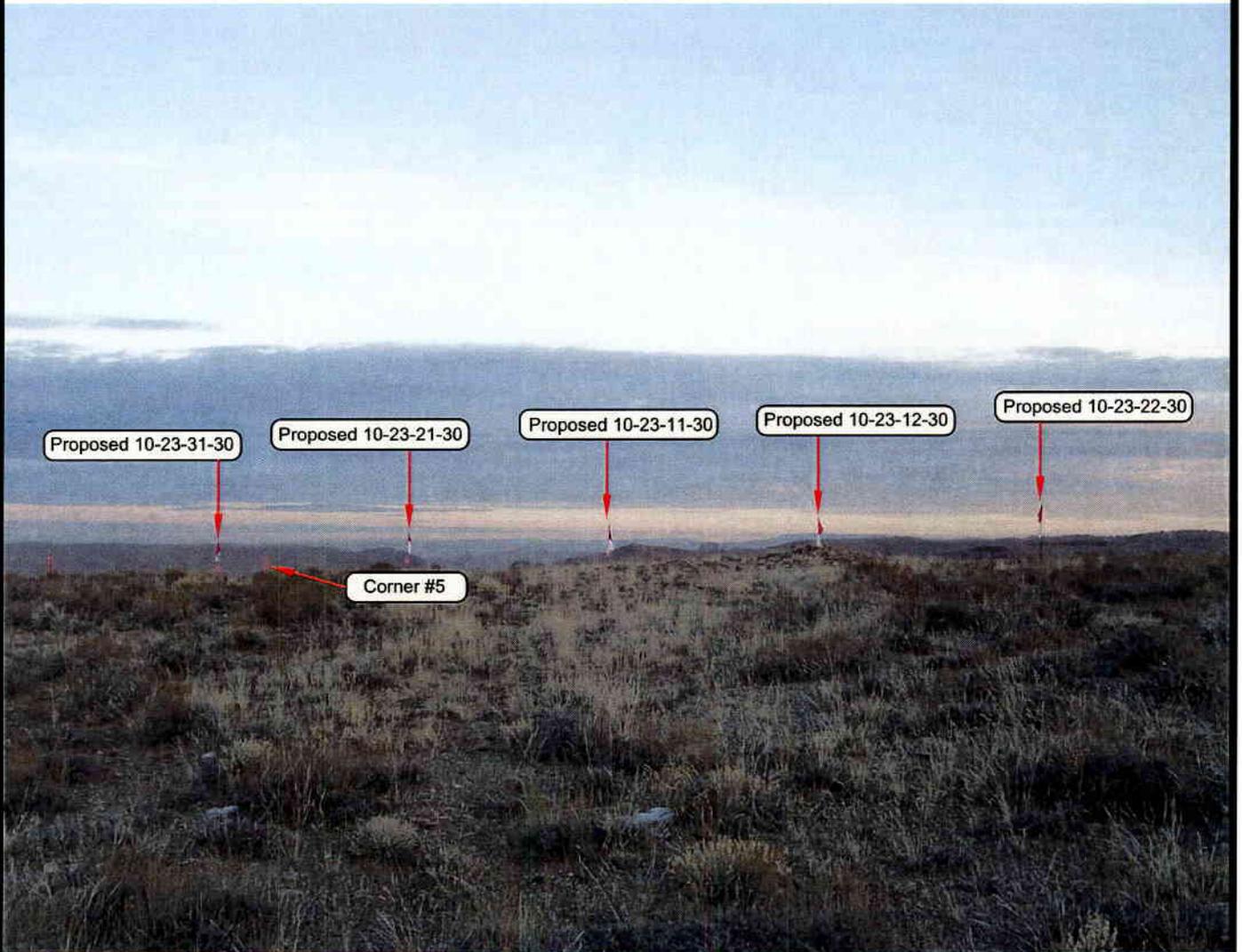


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

**ENDURING RESOURCES**

Rock House 10-23-21-30,  
 Rock House 10-23-31-30, Rock House 10-23-11-30,  
 Rock House 10-23-12-30 & Rock House 10-23-22-30  
 SECTION 30, T10S, R23E, S.L.B.&M.  
 835' FNL & 1866' FWL

**LOCATION PHOTOS**

TAKEN BY: K.R.K.

DRAWN BY: M.W.W.

DATE TAKEN: 12-21-05

DATE DRAWN: 01-04-05

REVISED:

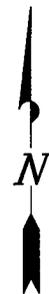
**Timberline Land Surveying, Inc.**  
 38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

SHEET  
 1  
 OF 11

# ENDURING RESOURCES

## WELL PAD INTERFERENCE PLAT

**ROCK HOUSE 10-23-21-30, ROCK HOUSE 10-23-31-30,  
ROCK HOUSE 10-23-11-30, ROCK HOUSE 10-23-12-30  
& ROCK HOUSE 10-23-22-30**



**SURFACE POSITION FOOTAGES:**

- ROCK HOUSE 10-23-31-30  
810' FNL & 1870' FWL

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- ROCK HOUSE 10-23-21-30  
835' FNL & 1866' FWL

---

- ROCK HOUSE 10-23-11-30  
860' FNL & 1862' FWL

---

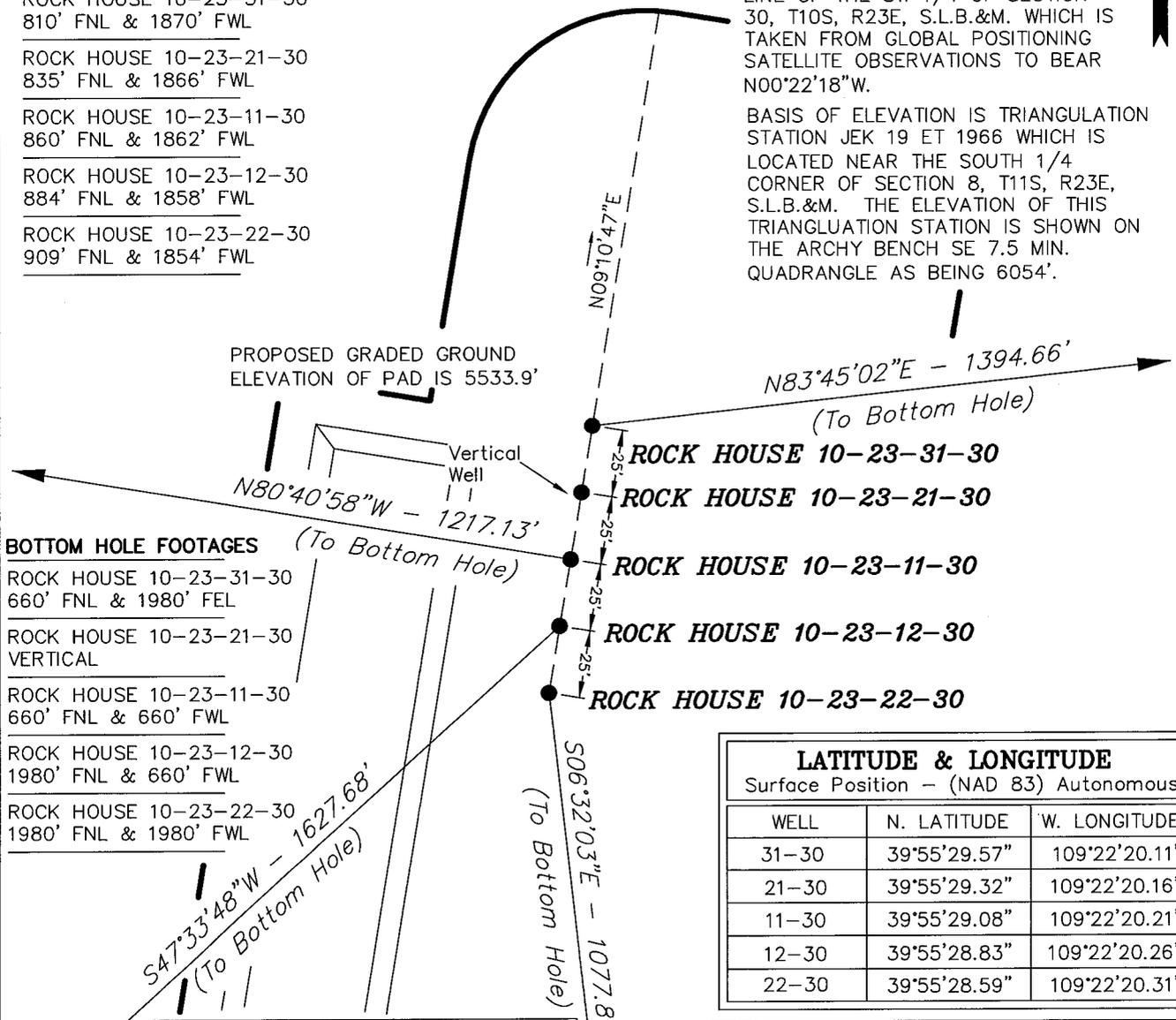
- ROCK HOUSE 10-23-12-30  
884' FNL & 1858' FWL

---

- ROCK HOUSE 10-23-22-30  
909' FNL & 1854' FWL

BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SECTION 30, T10S, R23E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°22'18"W.

BASIS OF ELEVATION IS TRIANGULATION STATION JEK 19 ET 1966 WHICH IS LOCATED NEAR THE SOUTH 1/4 CORNER OF SECTION 8, T11S, R23E, S.L.B.&M. THE ELEVATION OF THIS TRIANGULATION STATION IS SHOWN ON THE ARCHY BENCH SE 7.5 MIN. QUADRANGLE AS BEING 6054'.



PROPOSED GRADED GROUND ELEVATION OF PAD IS 5533.9'

**BOTTOM HOLE FOOTAGES**

- ROCK HOUSE 10-23-31-30  
660' FNL & 1980' FEL

---

- ROCK HOUSE 10-23-21-30  
VERTICAL

---

- ROCK HOUSE 10-23-11-30  
660' FNL & 660' FWL

---

- ROCK HOUSE 10-23-12-30  
1980' FNL & 660' FWL

---

- ROCK HOUSE 10-23-22-30  
1980' FNL & 1980' FWL

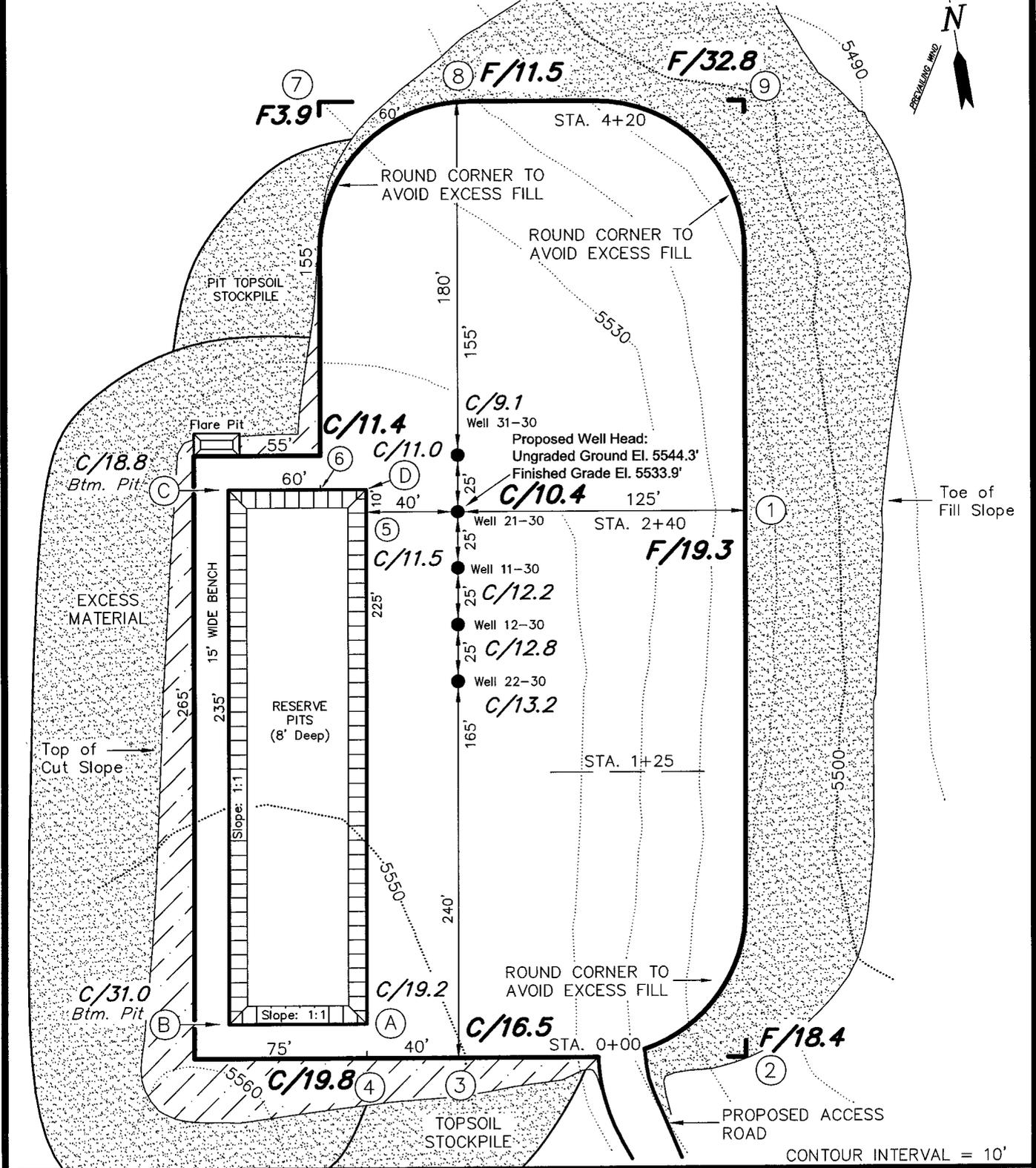
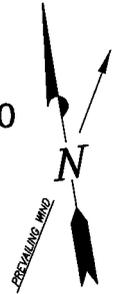
LATITUDE & LONGITUDE		
Surface Position - (NAD 83) Autonomous		
WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'29.57"	109°22'20.11"
21-30	39°55'29.32"	109°22'20.16"
11-30	39°55'29.08"	109°22'20.21"
12-30	39°55'28.83"	109°22'20.26"
22-30	39°55'28.59"	109°22'20.31"

RELATIVE COORDINATES		
From Surface Position to Bottom Hole		
WELL	NORTH	EAST
31-30	152'	1,386'
21-30	VERTICAL	
11-30	197'	-1,201'
12-30	-1,098'	-1,201'
22-30	-1,071'	123'

LATITUDE & LONGITUDE		
Bottom Hole - (NAD 83) Autonomous		
WELL	N. LATITUDE	W. LONGITUDE
31-30	39°55'31.06"	109°22'02.32"
21-30	VERTICAL	
11-30	39°55'31.02"	109°22'35.62"
12-30	39°55'17.98"	109°22'35.68"
22-30	39°55'18.01"	109°22'18.74"

# ENDURING RESOURCES

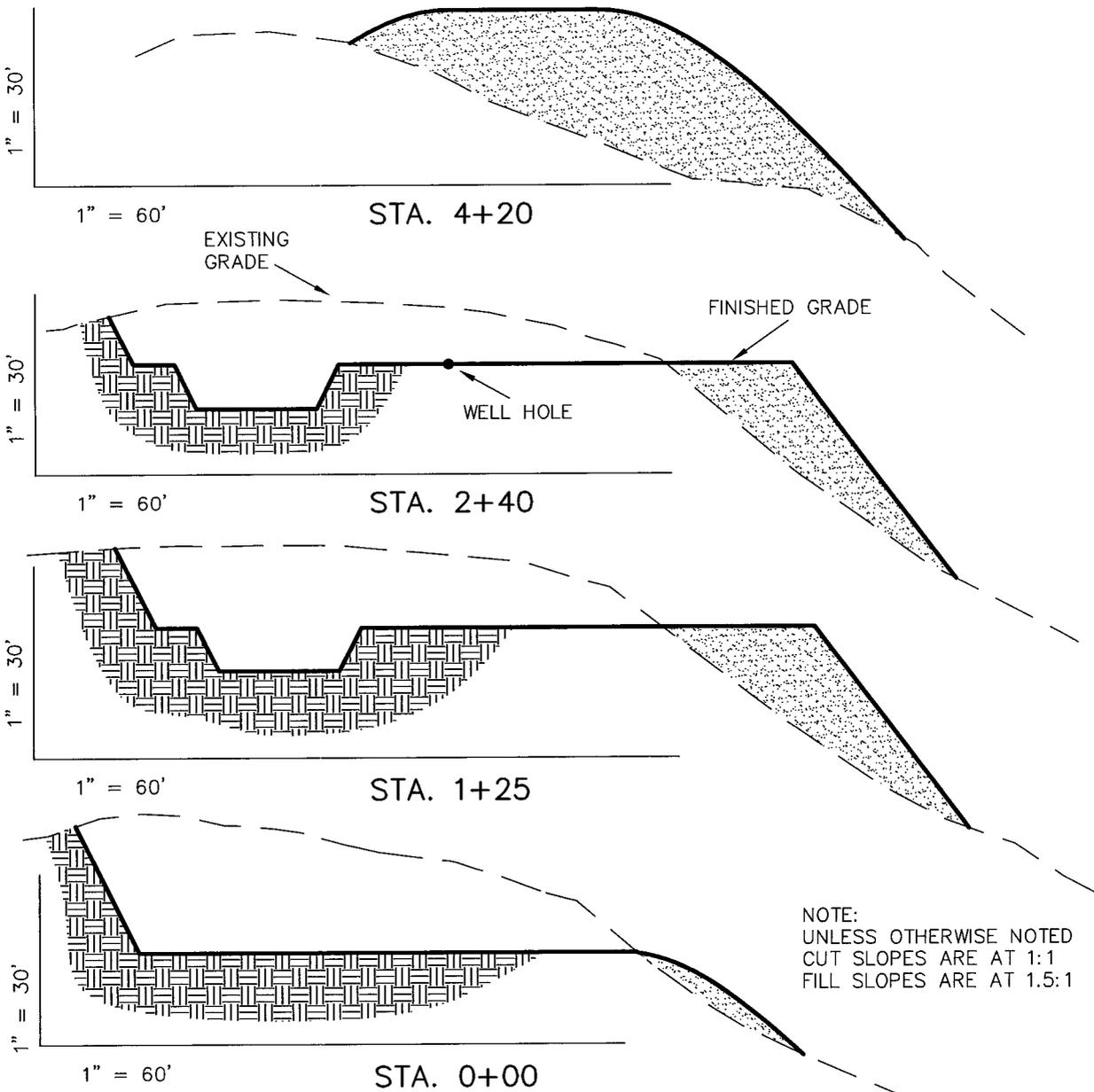
CUT SHEET - ROCK HOUSE 10-23-21-30,  
 ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
 ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <b>Land Surveying, Inc.</b> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET <span style="font-size: 2em;">4</span> OF 11

# ENDURING RESOURCES

**CROSS SECTIONS – ROCK HOUSE 10-23-21-30,  
ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30**



**NOTE:**  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

Pit overburden is included in pad cut.

**ESTIMATED EARTHWORK QUANTITIES**  
(No shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	26,150	27,900	Topsoil is not included in Pad Cut	-1,750
PIT	3,500	0		3,500
<b>TOTALS</b>	<b>29,650</b>	<b>27,900</b>	<b>1,710</b>	<b>1,750</b>

Excess Material after Pit Rehabilitation = 0 Cu. Yds.

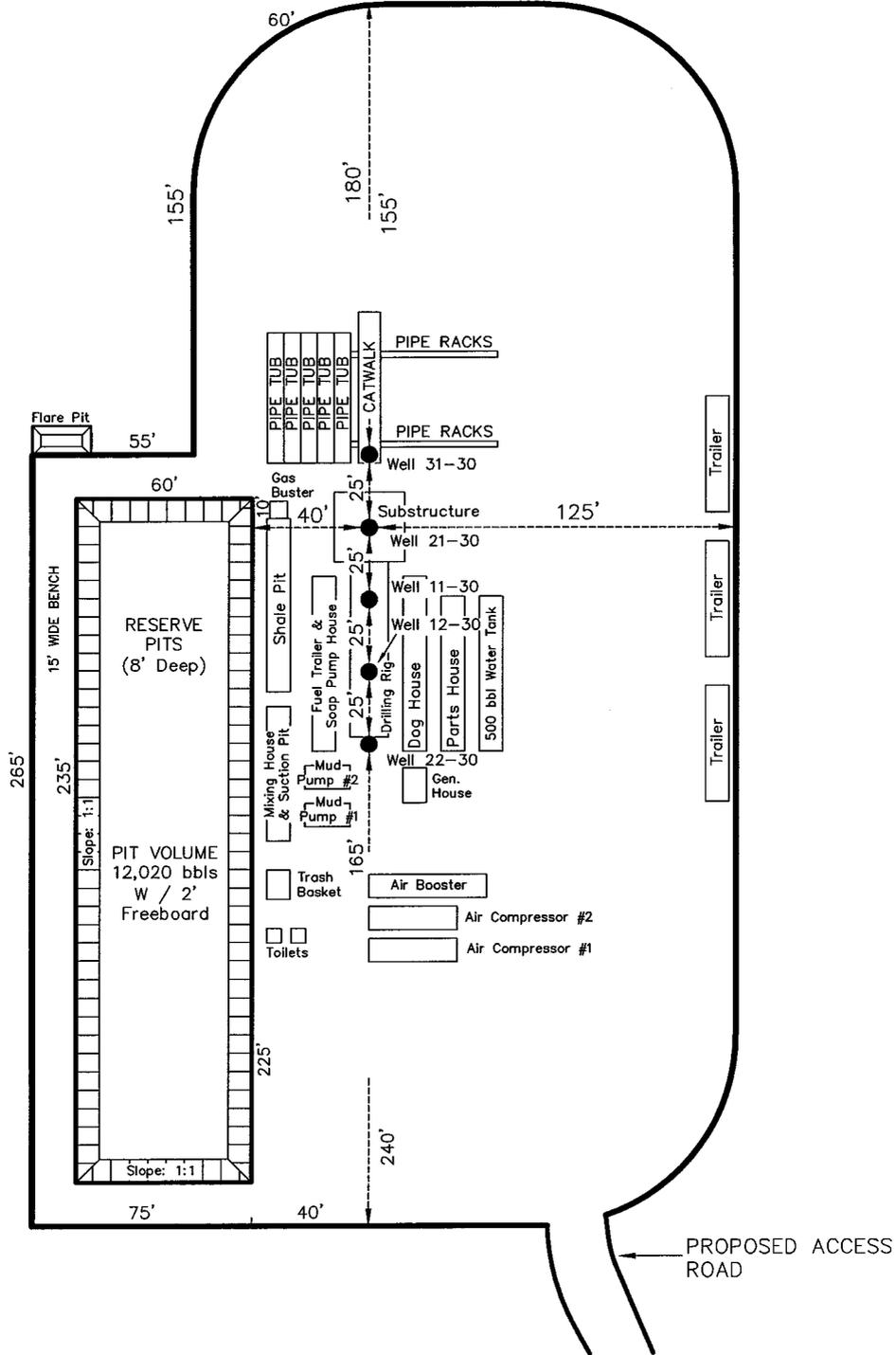
**REFERENCE POINTS**

- 290' SOUTHERLY = 5551.7'
- 340' SOUTHERLY = 5554.8'
- 175' EASTERLY = 5496.7'
- 235' EASTERLY = 5483.3'

Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <b>Land Surveying, Inc.</b> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	
			<b>SHEET</b> <span style="font-size: 2em; font-weight: bold;">5</span> <b>OF 11</b>

# ENDURING RESOURCES

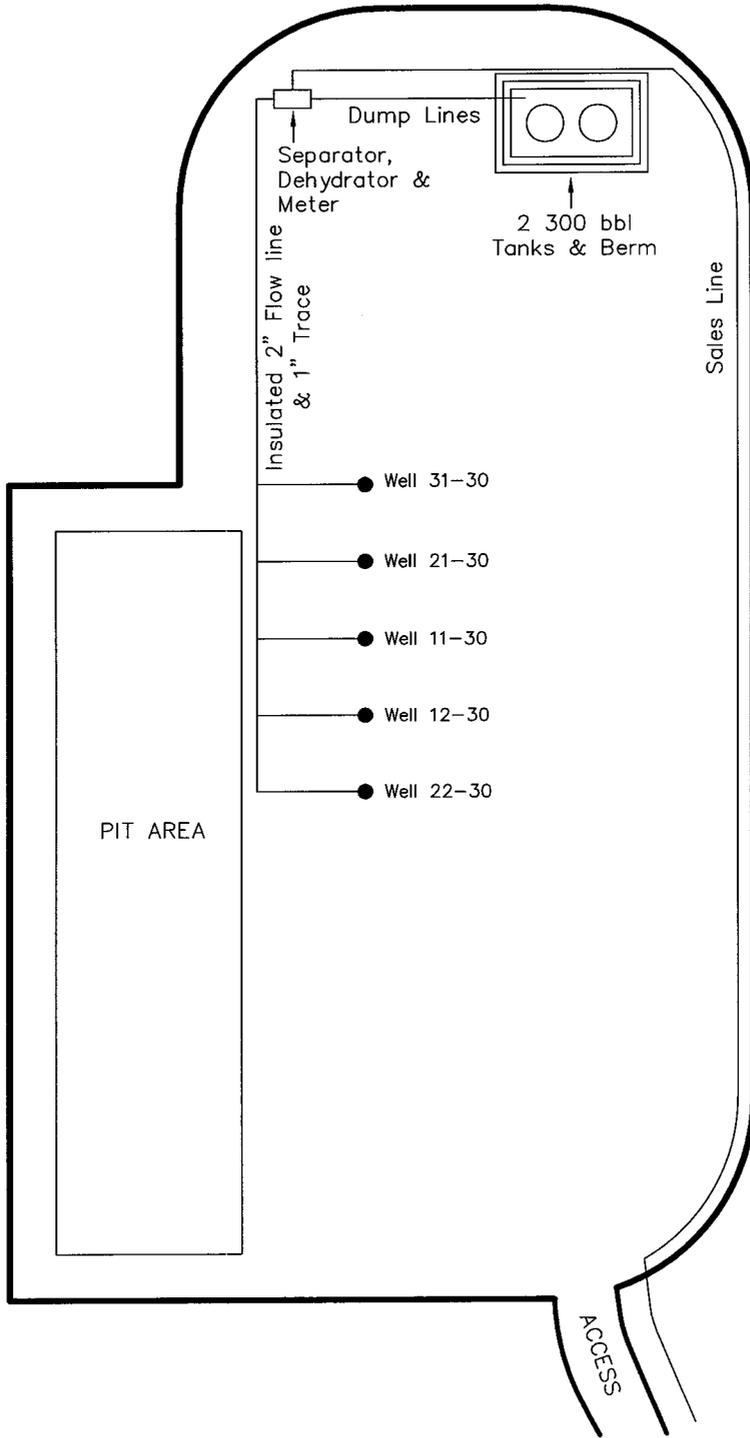
TYPICAL RIG LAYOUT - ROCK HOUSE 10-23-21-30,  
 ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
 ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



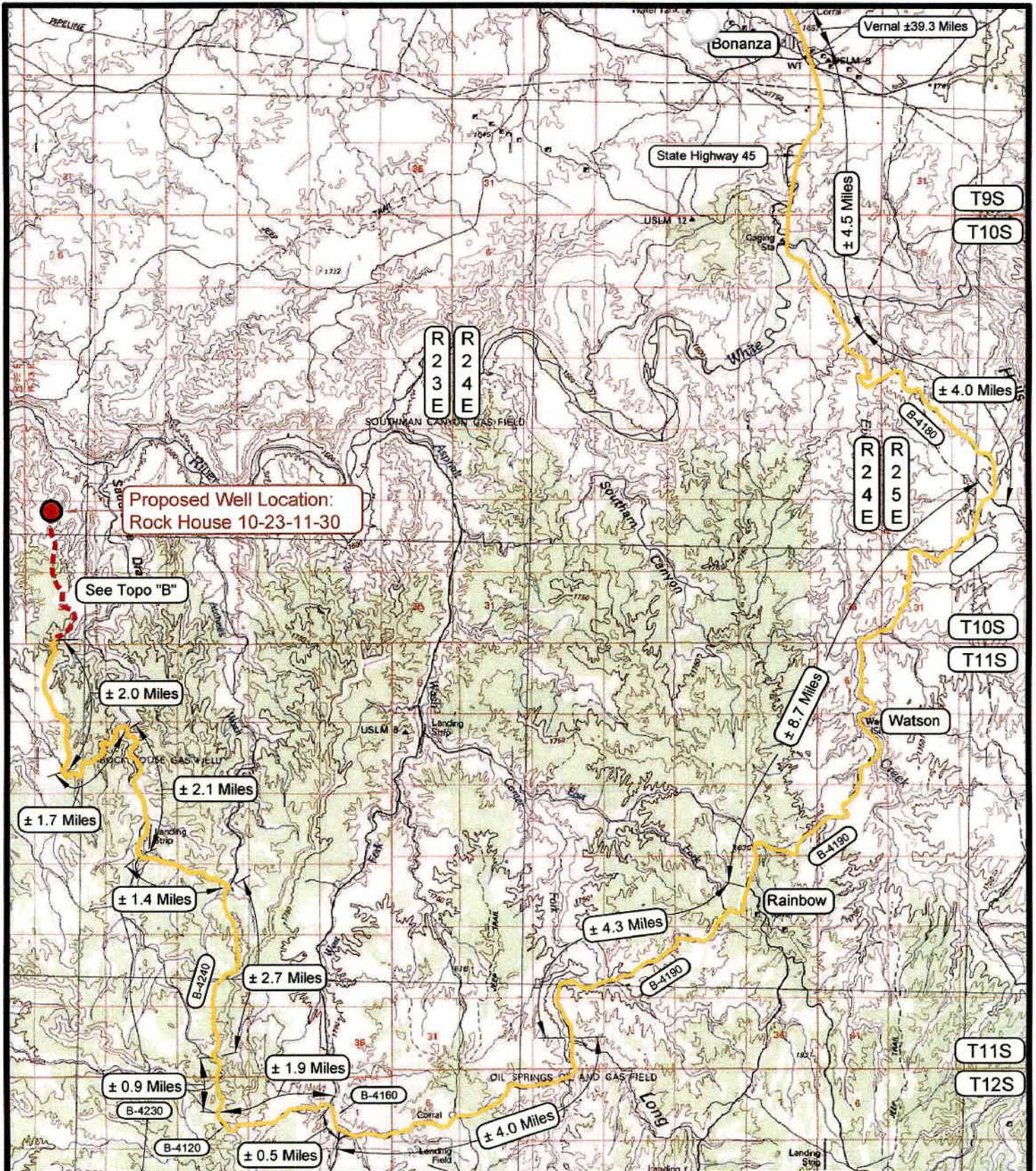
Section 30, T10S, R23E, S.L.B.&M.	Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'
<b>Timberline</b> Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078		(435) 789-1365 <b>SHEET 6</b> OF 11

# ENDURING RESOURCES

TYPICAL PRODUCTION LAYOUT – ROCK HOUSE 10-23-21-30,  
 ROCK HOUSE 10-23-31-30, ROCK HOUSE 10-23-11-30,  
 ROCK HOUSE 10-23-12-30 & ROCK HOUSE 10-23-22-30



Section 30, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: NE NW	Footage Location: 835' FNL & 1866' FWL
Date Surveyed: 12-21-05	Date Drawn: 12-30-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <b>Land Surveying, Inc.</b> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET <span style="font-size: 2em;">7</span> OF 11



**Proposed Well Location:  
Rock House 10-23-11-30**

See Topo "B"

**LEGEND**

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- (B-5460) = COUNTY ROAD CLASS & NUMBER

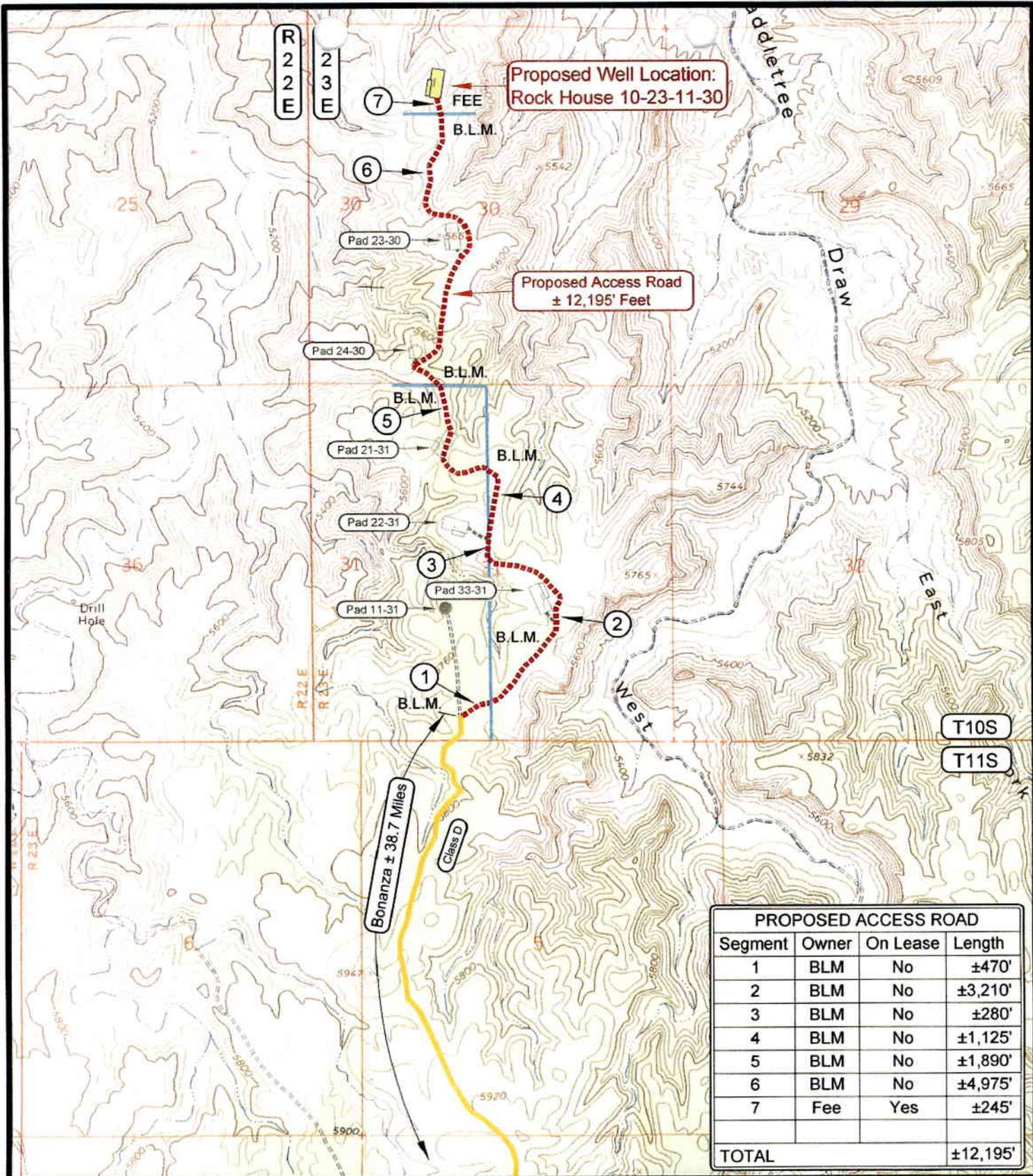
**ENDURING RESOURCES**

**Rock House 10-23-11-30**  
 Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-31-30,  
 Rock House 10-23-12-30 & Rock House 10-23-22-30  
**SECTION 30, T10S, R23E, S.L.B.&M.**

<b>TOPOGRAPHIC MAP "A"</b>	DATE SURVEYED: 12-21-05
	DATE DRAWN: 01-03-06
	REVISD: 05-03-06
SCALE: 1"=10,000'	DRAWN BY: M.W.W.

**Timberline Land Surveying, Inc.**  
 38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

**SHEET  
8  
OF 11**



PROPOSED ACCESS ROAD			
Segment	Owner	On Lease	Length
1	BLM	No	±470'
2	BLM	No	±3,210'
3	BLM	No	±280'
4	BLM	No	±1,125'
5	BLM	No	±1,890'
6	BLM	No	±4,975'
7	Fee	Yes	±245'
TOTAL			±12,195'

**LEGEND**

- PROPOSED ACCESS ROAD
  - = SUBJECT WELL
  - = OTHER WELLS
  - = EXISTING ROAD
  - = EXISTING ROAD (TO BE IMPROVED)
  - (B-5460) = COUNTY ROAD CLASS & NUMBER
- = LEASE LINE AND / OR PROPERTY LINE



**ENDURING RESOURCES**

**Rock House 10-23-11-30**

Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-31-30, Rock House 10-23-12-30 & Rock House 10-23-22-30  
**SECTION 30, T10S, R23E, S.L.B.&M.**

**TOPOGRAPHIC MAP "B"**

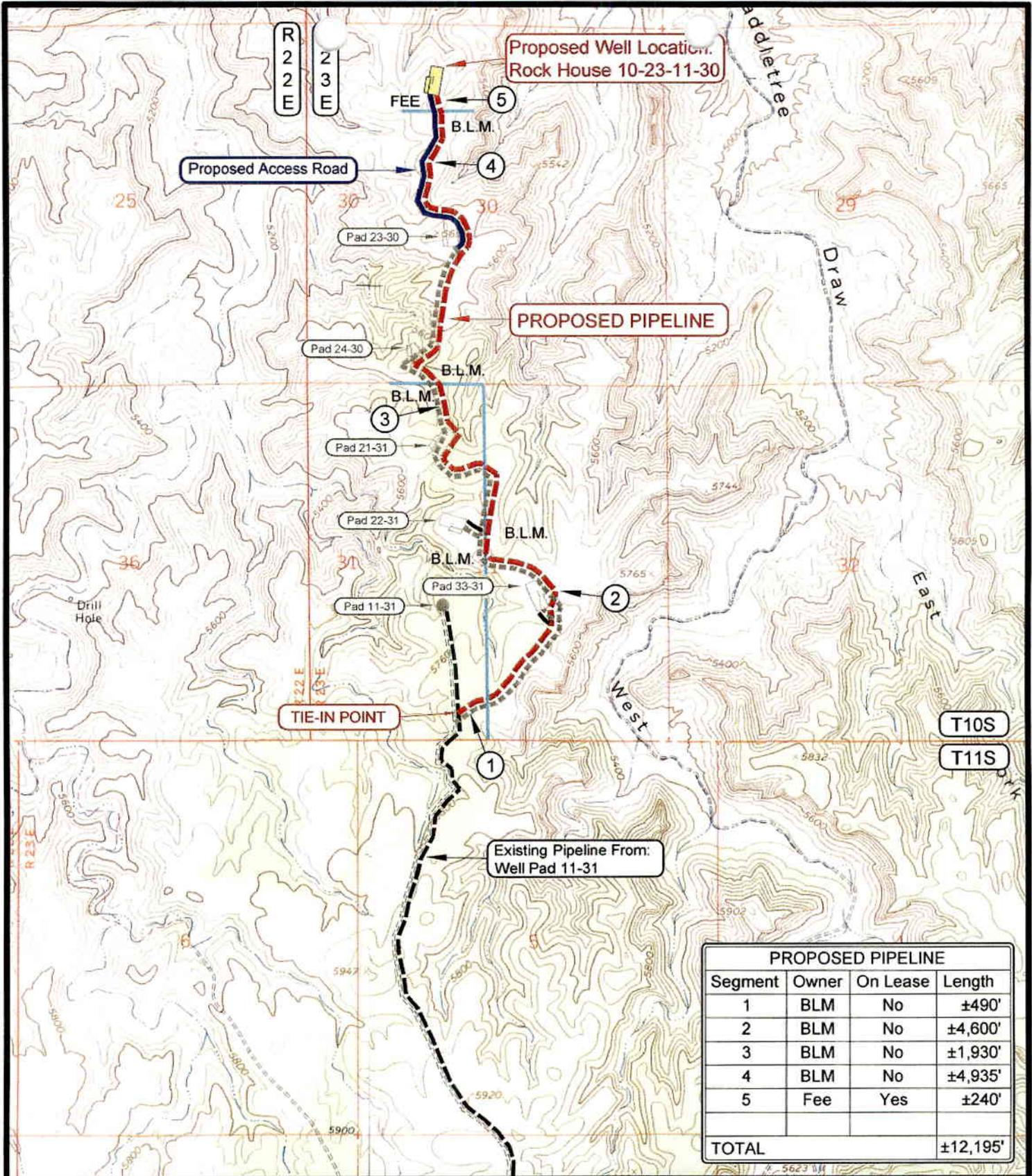
DATE SURVEYED: 12-21-05  
 DATE DRAWN: 01-03-05  
 REVISED: 05-03-06

SCALE: 1" = 2000'

DRAWN BY: M.W.W.

**Timberline Land Surveying, Inc.**  
 38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

**SHEET 9 OF 11**



PROPOSED PIPELINE			
Segment	Owner	On Lease	Length
1	BLM	No	±490'
2	BLM	No	±4,600'
3	BLM	No	±1,930'
4	BLM	No	±4,935'
5	Fee	Yes	±240'
TOTAL			±12,195'

**LEGEND**

- - - - - = PROPOSED PIPELINE
- - - - - = OTHER PIPELINE
- = LEASE LINE AND / OR PROPERTY LINE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS

**ENDURING RESOURCES**

**Rock House 10-23-11-30**

Other wells on this pad: Rock House 10-23-21-30, Rock House 10-23-31-30, Rock House 10-23-12-30 & Rock House 10-23-22-30  
**SECTION 30, T10S, R23E, S.L.B.&M.**

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 38 West 100 North Vernal, Utah 84078  
 (435) 789-1365

**SHEET**  
**11**  
**OF 11**

**TOPOGRAPHIC MAP "D"**

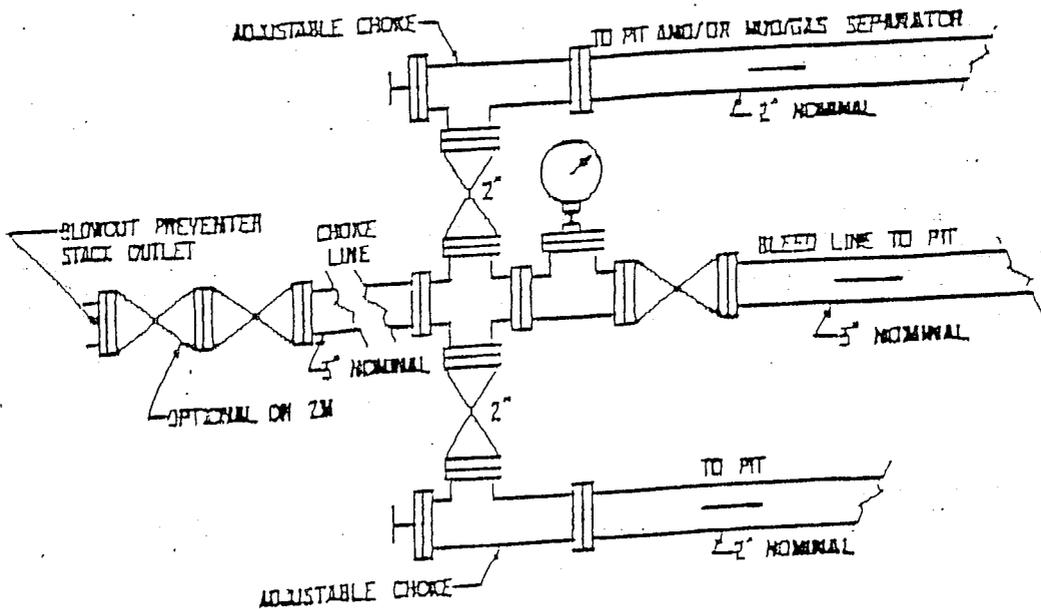
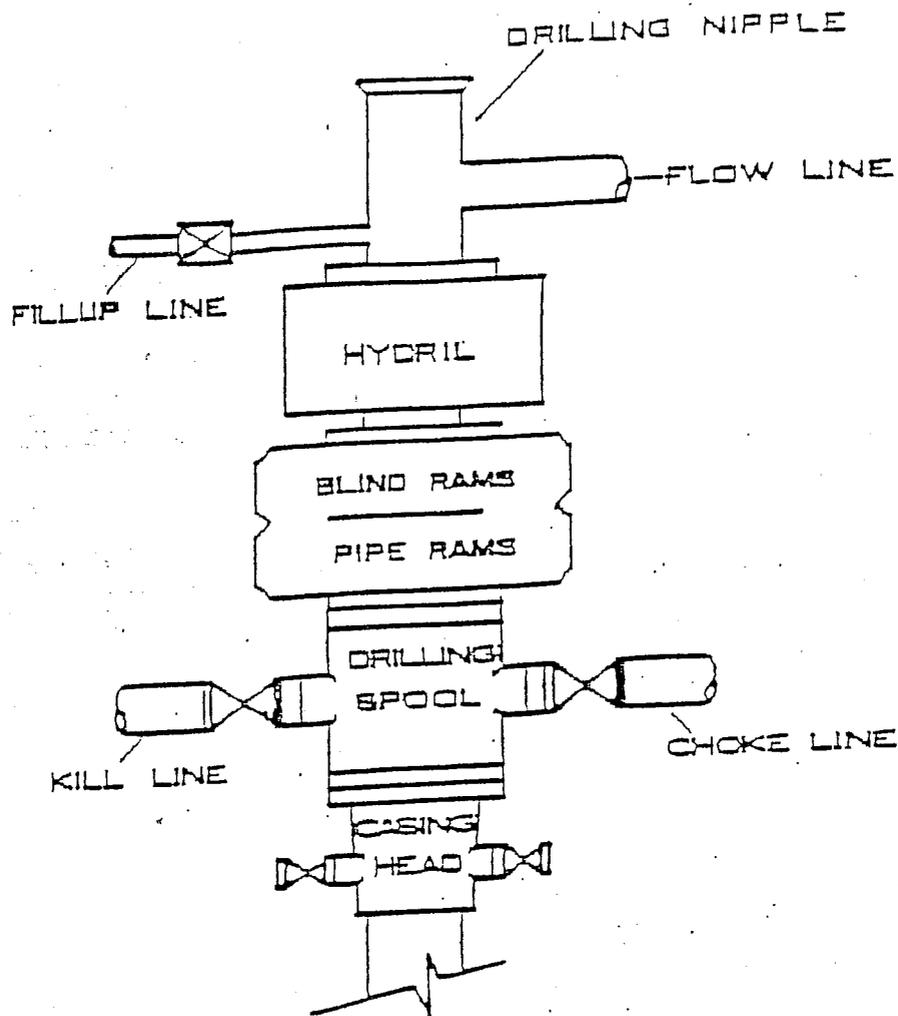
DATE SURVEYED: 12-21-05  
 DATE DRAWN: 01-04-05  
 REVISIONS: 05-03-06

SCALE: 1" = 2000'

DRAWN BY: M.W.W.

3,000 PSI

# EOP STACK



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/22/2006

API NO. ASSIGNED: 43-047-38132

WELL NAME: ROCK HOUSE 10-23-11-30  
 OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  
 CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

*www*

NEWN 30 100S 230E  
 SURFACE: 0860 FNL 1862 FWL  
 BOTTOM: 0660 FNL 0660 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.92477 LONGITUDE: -109.3715  
 UTM SURF EASTINGS: 639166 NORTHINGS: 4420467  
 FIELD NAME: NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-76281  
 SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0008031 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-2215 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

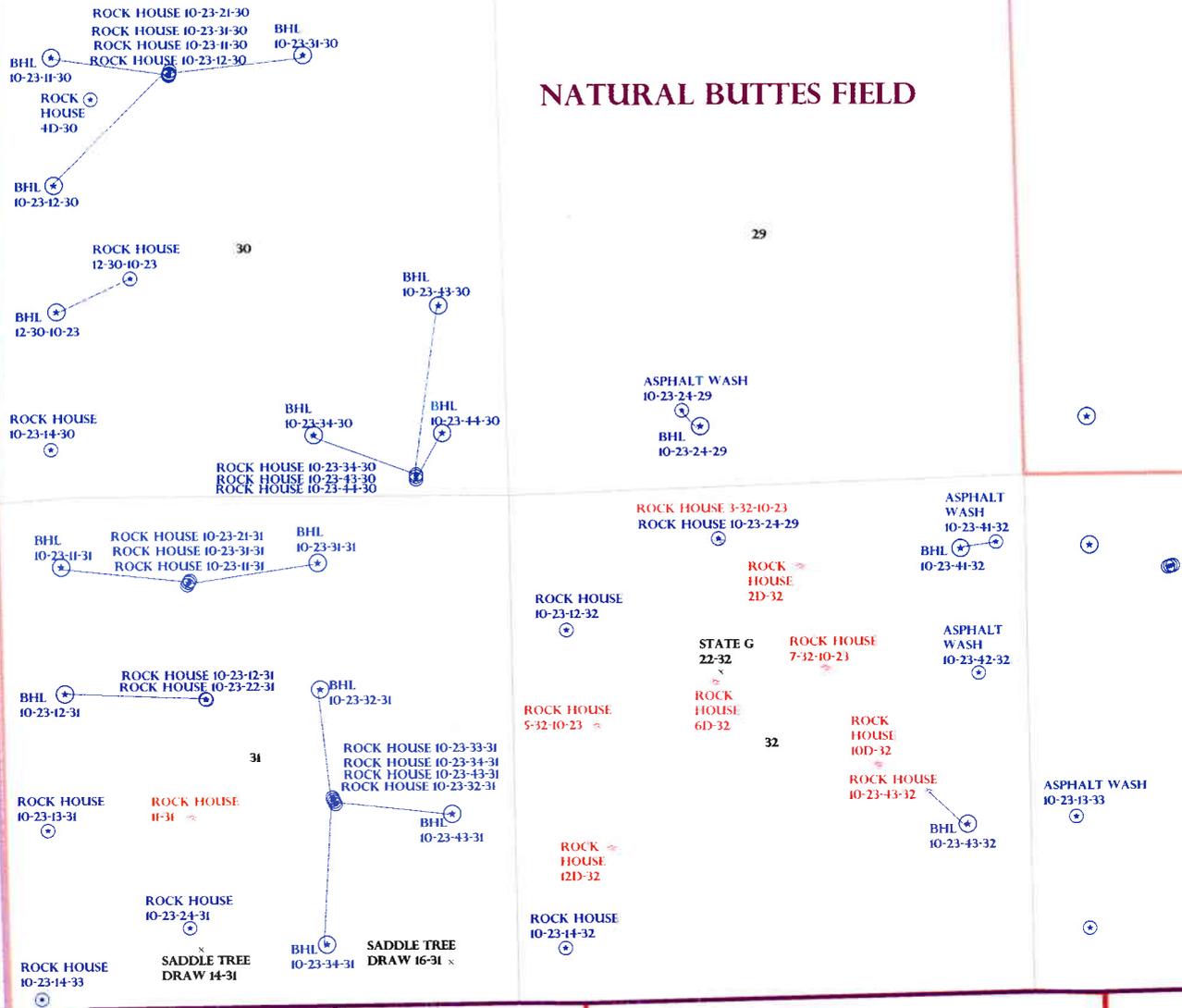
- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (06-13-06)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS

T10S R23E

# NATURAL BUTTES FIELD



T10S R23E

OPERATOR: ENDURING RES LLC (N2750)

SEC: 30,31,32 T. 10S R. 23E

FIELD: NATURAL BUTTES (630)

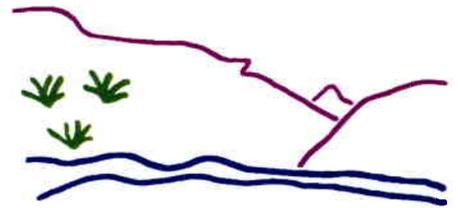
COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 24-MAY-2006

## RIGHT-OF-WAY and DAMAGE AGREEMENT

THIS AGREEMENT is made and entered into by and between, AMERICAN GILSONITE COMPANY, (hereinafter referred to as "Grantor") and ENDURING RESOURCES, LLC (hereinafter referred to as "Grantee") effective April 15, 2005

WHEREAS, Grantor is the surface owner of NENW Section 30 Township 10 South, Range 23 East, Uintah County, Utah (hereinafter referred to as the "Land(s)").

WHEREAS, Grantee desires to enter onto and cross such Lands for the purpose of drilling an exploratory oil and/or gas well, Rock House 10-23-21-30 ("Well"), located in the NENW, Section 30 Township 10 South, Range 23 East, Uintah County, Utah (hereinafter referred to as the "Drillsite"). In addition, there will be four directional wells drilled from the same pad as the Rock House 10-23-21-30, they are: Rock House 10-23-31-30; Rock House 10-23-11-30; Rock House 10-23-12-30; and Rock House 10-23-22-30.

NOW THEREFORE, for and in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

- I. Grantee shall pay Grantor the sum of \$3,000.00 up front payment for damages to surface of the Lands for road access to the Drillsite and for the Drillsite for the drilling of the Well. Within sixty days of completion of the Well either as a producer or a plugged and abandoned well, Grantee shall survey the new access road and the Drillsite to compensate Grantor for any additional damage that may have occurred during drilling and completion operations. Compensation will be on a \$3,000.00 per acre cost for any damages exceeding 4.0 acres and such compensation, if due, will be paid within thirty (30) days of the surveyor's report being released. Grantee shall utilize existing access routes to the maximum extent feasible, so as to minimize surface disturbances for access to facilities.
- II. Grantee and their assigns or agents shall have the right to use a reasonable amount of access road across the Lands and shall have the right to move derricks, drilling tools, vehicles, and all other machinery and equipment necessary or incident to the re-drilling, drilling, testing completion, operation of the Well. Such activity shall be restricted to existing public roads or access roads covered by this agreement. Any roads or surface facilities may be relocated at Grantor's expense if needed due to gilsonite mining or processing in the future.
- III. This Agreement and the rights granted herein are effective and shall continue in full force and effect so long as operations are conducted on the Well. Upon execution of this Agreement, all payments due hereunder shall be paid concurrently. Operations are defined under terms of the oil and gas lease with Grantor, and under the Rules and Regulations defined by the State of Utah.
- IV. Cattle guards and gates will be constructed, if requested by Grantor, at all places where the openings go through the existing fences and gates will be kept closed at all times except when opened for passage of traffic. Also, gates shall be installed to limit access to producing wells on roads constructed by Grantee if by mutual agreement between Grantee and Grantor.

**RECEIVED**

**MAY 26 2006**

DIV. OF OIL, GAS & MINING

- V. If there is any fill used for roads constructed across any drainage, then culverts will be used for the free flow of water through said drainage.
- VI. If the access road departs from existing established roadways and new construction is required, topsoil will be segregated and stockpiled for replacement during reclamation activities.
- VII. It is understood that any road constructed across the said Lands shall not exceed 30 feet in total width, including the total disturbed area between the outside of each berm, without the prior approval of Grantor.
- VIII. Upon completion of the Well as a dry hole and the subsequent abandonment thereof, and at the request of the Grantor, and drill pads and newly constructed road will be restored and seeded within 180 days to the condition it was in prior to commencement of operations insofar as reasonably possible. Any preexisting roads, and the improvements thereto, which are constructed by Grantee, shall be left in a good and useable condition for the continued use by Grantor. Reclaimed areas will be reseeded with a wildlife mixture approved by the Utah Division of Wildlife.
- IX. In the event that the Well is completed as a producer of oil and/or gas, Grantee shall build and maintain a permanent access road in conformance with the already established county road including any variances granted by the county by existing roads to the Drillsite. Disturbed areas not used for production will be regraded and seeded with an approved wildlife seed mix within 90 days unless prohibited by weather.
- X. Upon completion of the Well as a well capable of oil and/or gas production, this Agreement shall continue in full force and effect and Grantee shall pay in advance to Grantor an annual access rental of \$3,000, \$2,000 per pad and \$1,000 per acre of roadway (30-foot width, or a minimum of \$3,000 to include the pad and roadway for each well, whichever is greater, on or before January 31<sup>st</sup> of each year thereafter until the subject well is plugged and abandoned and operations cease thereon.
- XI. It is expressly understood that the settlement amounts in paragraph I are only for construction of a road and drilling location and it is not a settlement for any damages to contiguous property, personal property of the Grantor or a release of any personal injuries that may be sustained by reason of the operations carried on by Grantee or its agents.
- XII. This Agreement does not cover pipeline easements and Grantee acknowledges that it must secure a separate agreement prior to laying pipeline related to production of gas or oil on Grantor's lands.
- XIII. This Agreement shall not be assigned, nor the rights of Grantee hereunder transferred in any manner without the prior written consent of Grantor, which consent shall not be unreasonably withheld.
- XIV. Grantee shall comply at its own expense with the Workman's Compensation Law of the State of Utah and shall maintain such insurance throughout the duration of

this Agreement, and shall furnish Grantor prior to beginning work on the Lands evidence of such insurance and at each policy period thereafter renewal evidence that such insurance is being maintained. Grantee, with respect to its operation in connection with this Agreement, shall also purchase or provide for (1) comprehensive general public liability insurance with a combined single limit not less than One Million Dollars (\$1,000,000) for bodily injury and property damage; and (ii) automobile insurance with a combined single limit of not less than One Million Dollars (\$1,000,000) for bodily injury or property damage. At Grantor's request, Grantee shall furnish Grantor with a certificate or certificates of insurance secured and maintained hereunder and Grantor shall be an additional insured thereon.

- XV. In the event any person or entity (including Grantor) suffers a loss of any kind or character, or death or injury, (1) as a result of a breach of this Agreement by Grantee, or its agents, contractors, or employees, or (2) as a result of Grantee or its agents, contractors or employees performing on the Drillsite or elsewhere, any action, directly or indirectly, in furtherance of a right hereunder, or (3) from any cause whatsoever while being on the Lands and the Drillsite to conduct any work or service for Grantee shall reimburse, indemnify, defend and hold harmless Grantor for any and all losses, costs, claims, liability, litigation, demands, damages and expenses (including all attorney fees) of every kind or character which Grantor may suffer or be subject to as a result of said loss or injury whether or not such losses, costs, claims, liabilities, litigation, demands, damages, and expenses (including all attorney fees) result from the condition of Grantor's premises or facilities, unless through the sole negligence of Grantor or its agents.
- XVI. Grantee shall provide Grantor with not less than forty-eight (48) hours advance notice, either by phone or in person, of Grantee's intent to enter upon the Land for the purpose of commencing operations thereon. Grantee shall conduct its operations in such a manner as to use no more Land than is reasonably necessary and shall use all reasonable efforts not to interfere with the use of the Land by any grazing permittees. All drilling fluid pits shall be fenced within ten days of end of drilling the Well as a producer or dry hole and then the pits will be reclaimed and reseeded within 180 days of the completion of the well as a producer or a dry hole. Surface structures shall be fenced, if they represent a potential hazard to livestock, by mutual agreement between Grantor and Grantee. The type of fencing to be mutually agreed upon by Grantor and Grantee. Grantee will have ten days to effect repairs or problems with fences when notified by e-mail or in writing by Grantee. Grantor can request an extension of the closure of pits beyond the 180 days from the completion of the Well if closing the pits represents a potential hazard or closing the pits at that time will not comply with the State of Utah's reclamation requirements. An extension will not be unreasonably withheld.
- XVII. Grantee shall have the right at any time, and from time to time, to remove any or all property, fixtures, equipment and materials, placed by Grantee on the Land, including the right to draw and remove casing. Within 90 days after plugging of the Well this agreement will expire and Grantee shall remove all remaining property, fixtures, equipment and materials that were placed by Grantee on the Land. Such removal shall be accomplished at Grantee's sole cost, risk and

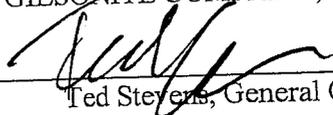
expense. If such items are not removed within 90 days, Grantor shall have the right to remove those items from the Land and bill the associated cost for such removal to Grantee.

- XVIII. This agreement restricts the Grantee's use of Grantor's lands to the sole purpose of exploration and production of oil and/or gas at this specific site. It does not grant Grantee, its contractors, or its agents the right to use the Grantor's property for any other purpose.
- XIX. All operations of Grantee hereunder which involve drilling for and producing of oil and gas, or both, or the cessation, or abandonment, of its operations shall be conducted in a good and workmanlike manner and in accordance with standard oil field practices and in accordance with all applicable federal, state and local statutes and regulations including specifically, but not by way of limitation, such laws and regulations governing the operation, maintenance and reclamation of well sites, pipelines, tank batteries, and other related facilities as may be utilized by Grantee and its operations hereunder. Grantee shall further adhere to and abide by all federal, state and local environment statutes and regulations addressing air, water, and solid waste pollution and the handling storage, storage use and disposal of hazardous substances as prescribed in the Comprehensive Environmental Response, Compensation and Liability Act of 1986, 42 U.S.C. & 9601, et seq. (CERCLA). Grantee shall provide Grantor with copies of all applications for environmental laws, governmental requests for any information pertaining to environmental issues relating to the Land or products produced therefrom or Grantee's use thereof, copies of any responses from Grantee's to said requests, and any environmental investigations, reports, or studies involving the Land or products produced therefrom or the use thereof by Grantee which from time to time, may be obtained from Grantee.
- XX. Grantee also agrees to abide by the laws of regulations of the State of Utah designed to protect gilsonite deposits, including but not limited to those specific rules set forth in the General Rules and Regulations of the Utah Board of Oil, Gas and Mining, as amended, pertaining to such matters.
- XXI. The provisions hereof shall be considered as covenants running with the Land during the life of the Agreement and all modifications thereof, and any assignment of the Agreement shall be subject to the provisions thereof.
- XXII. This Agreement shall not be terminated in whole or in part, nor Grantee held liable for damages, because of a temporary cessation of production of drilling operations due to breakdown of equipment or due to the repairing of a well or wells or because of failure to comply with any of the express provisions or implied covenants of this Agreement if such failure is the result of the exercise of governmental authority, war, armed hostilities, act of God, strike, civil disturbance, fire, explosion, flood or any other cause, including lack of market, beyond the control of Grantee.
- XXIII. Any controversy or claim, whether based in contract, tort or otherwise arising in any way out of, relating to on in connection with this Agreement (a "Dispute") shall be finally settled by arbitration conducted expeditiously in accordance with the Commercial Arbitration Rules (the "Rules") of the American Arbitration

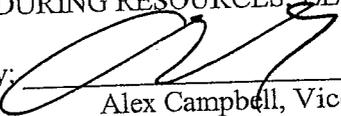
Association (the "AAA"). In the event of a conflict between this Article and the Rules, this Article shall govern. The attorney/client and work product privileges will be honored in the arbitration as though the case were being determined in a Utah state court. The arbitration shall be conducted before one independent and impartial arbitrator selected by the AAA pursuant to the Rules. The arbitration shall be governed by the United States Arbitration Act, 9 U.S.C. 1-16, to the exclusion of any provision of Utah law inconsistent therewith and which would produce a different result, and judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction thereof. The place of arbitration shall be Salt Lake City, Utah, and the cost of the arbitration proceeding shall be borne equally by the parties to this agreement and each party shall bear its own attorney's fees, and other expenses, provided that the arbitrator may award attorney fees, filing fees, and costs to the prevailing party as the arbitrator deems reasonable and fair. The arbitrators shall determine the claims of the parties and render their final award in accordance with the substantive law of the State of Utah exclusive of its conflict of law rules. The limitations of any actions will be determined under Utah law. The arbitrator shall permit and facilitate such discovery as the arbitrator determines is appropriate in the circumstances, taking into account the needs of the parties and the desirability of making discovery expeditious and cost-effective. The arbitrator shall actively manage the proceedings as the arbitrator deems best so as to make the proceedings fair, expeditious, economical, and less burdensome than litigation. The procedures specified in this section shall be the exclusive means of resolution of Disputes between the parties, provided that either party may seek injunctive action before a court of competent jurisdiction to prevent the occurrence of irreparable harm pending resolution of a Dispute pursuant to the provisions of this section.

XXIV. This agreement constitutes the entire Agreement between the parties hereto as to the subject matters herein set forth and supersedes all prior written or oral agreements relative thereto. No change, modification, alteration or amendment to this Agreement shall be binding upon the parties hereto except as specifically expressed in writing and signed by each party agreeing to be bound thereby.

AMERICAN GILSONITE COMPANY, Grantor

By:   
Ted Stevens, General Counsel

ENDURING RESOURCES, LLC, Grantee

By:   
Alex Campbell, Vice President

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

**OPERATOR:** ENDURING RESOURCES, LLC

**WELL NAME & NUMBER:** ROCK HOUSE 10-23-11-30 (NOTE: This is a directional well planned of the same pad as 4 other wells: the Rock House 10-23-21-30, the Rock House 10-23-31-30, the Rock House 10-23-12-30, and the Rock House 10-23-22-30. All are directional wells except the 10-23-21-30, which is a vertical well. The surface is owned by American Gilsonite and the producing zone is federal minerals administered by the BLM.)

**API NUMBER:** 43-047-38132

**LEASE:** UTU-76281 **FIELD/UNIT:** Undesignated

**LOCATION:** 1/4, 1/4 NE/NW Sec: 30 TWP: 10S RNG: 23E 860' FNL 1862 FWL (PRODUCING ZONE) NW/NW; 660' FNL; 660' FWL

**LEGAL WELL SITING:** 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.

**GPS COORD (UTM):** 0639161 E; 4420469 N **SURFACE OWNER:** American Gilsonite

**PARTICIPANTS**

Floyd Bartlett (DOGM), Douglas Hammond (Enduring Resources) Mike Stewart (Ponderosa Construction), Jared Jackson, (American Gilsonite), Colby Kay (Timberline Land Surveying, Inc.), Ben Williams (UDWR)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

The proposed Rock House 11-23-11-30 well lies near the end of a finger ridge, which leaves a broader ridge separating Saddle Tree Draw on the east and Archee Draw on the west. This finger ends between two side draws, which join to the north, and down-slope from the location. This draw runs north to Saddle Tree Draw and eventually to the White River. The east and west sides of the proposed pad slope abruptly and will be covered with fill.

Saddle Tree Draw is an ephemeral wash only flowing during the spring runoff and intense summer rainstorms. The White River is approximately 3/4 miles downstream to the north. No springs or seeps are known in the area. The location is approximately 12 air miles south west of Bonanza Ut, and approximately 80.3 road miles southeast of Vernal, UT. Access from Bonanza is by State Highway, Uintah County and oilfield development roads to where a access road is proposed 12,195 feet in length mostly across the BLM. A ROW will be required for this section of the road.

Topography in the general area is broad canyon bottoms separated by steep and often ledgy side-slopes, which top out onto broad ridge tops. Frequent outwash plains and deposits occur along the sides of the major bottoms. The ridge top to be used as access is frequently broken with side draws leaving near the top.

**SURFACE USE PLAN**

**CURRENT SURFACE USE:** wildlife and domestic sheep grazing and hunting.

**PROPOSED SURFACE DISTURBANCE:** Approximately 12,195 feet of access road,

construction of a well location 420'x 195' plus a reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Several. See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Approximately 12,195 feet of pipeline will follow access road and tie in with an existing pipeline from well 11-31. (BLM: 11,955' and FEE 240').

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area and is the dominant use. The area is very isolated from general travel. The most likely concern will be from the intrusion of well facilities into the White River 'view-shed'. The river is not in view from the proposed location. While drilling the drilling rig may be seen. Production facilities should not be in view from the river itself but may be from surrounding slopes and draws.

#### **WASTE MANAGEMENT PLAN:**

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

#### **ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Moderately vegetated desert shrub type with the dominate vegetation being rabbit brush, black sage, Gardiner saltbrush cheat grass and curly mesquite. Pronghorn, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: Shallow sandy loam surface with frequent broken angular dark brown surface rock. Surface sandstone and shale bedrock also to occur.

EROSION/SEDIMENTATION/STABILITY: No significant erosion occurs from the proposed pad area. Although the ridge top breaks both on the east and west sides it is a suitable spot to construct a location. The reserve pit will be on the upper south west portion and no stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Survey completed 03-22-06 by IPC.

### **RESERVE PIT**

CHARACTERISTICS: 235' by 60' and 8' deep. The reserve pit is 55 feet longer than normal to serve the 5 wells that are planned. It is planned in an area of cut on the south west corner of the location. Since the location is on top of and near the point of a ridge and the topography breaks sharply toward the White River, it is essential that the reserve pit not leak.

LINER REQUIREMENTS (Site Ranking Form attached): Sensitivity score is 40 and a rating Level II. Enduring Resources agreed to use a double liner on the reserve pit as well as extra cushioning from a felt sub-liner as the final construction indicated appropriate. A minimum of a 16 mil double liner properly installed and maintained will be required for reserve pit. With this extra precaution it is expected that no stability or leaking problems will occur.

### **SURFACE RESTORATION/RECLAMATION PLAN**

As per landowner agreement with American Gilsonite Company.

SURFACE AGREEMENT: In place.

CULTURAL RESOURCES/ARCHAEOLOGY: Although not required by the surface owner a survey was completed on 01-13-2006 by MOAC.

### **OTHER OBSERVATIONS/COMMENTS**

Views of the White River drainage to the north and the lower end of Saddle Tree Draw to the east is very scenic. Steep canyon walls dominate the landscape. The White River is occasionally used for recreational river rafting. The river bottom itself is not visible but users of the side canyons or climbers to vantage points may see the proposed facilities.

Mr. Jared Jackson representing American Gilsonite was asked if he had any concerns in addition to what was covered in the Surface Agreement. He had none.

Melissa Hawk from the BLM was invited by e-mail on June 6, 2006 to attend the investigation. She replied by e-mail that a mandatory meeting scheduled for that day prevented her from attending. She informed Doug Hammond of Enduring Resources that she would visit the site at a later date.

Doug Hammond stated that Melissa Hawk had informed him that a short portion of the access road on BLM administered lands passed through an area modeled as prime potential Mexican spotted owl habitat. Four calling periods were completed this spring with no responses. The US Fish and Wildlife Service's protocol requires two consecutive years of calling before clearing the possible habitat as un-occupied. Mr. Hammond stated he is going to ask permission to build this short section outside the critical period for the owl.

ATV's were used to access the site.

**ATTACHMENTS**

Photos of site have been taken and placed on file.

Floyd Bartlett  
DOGM REPRESENTATIVE

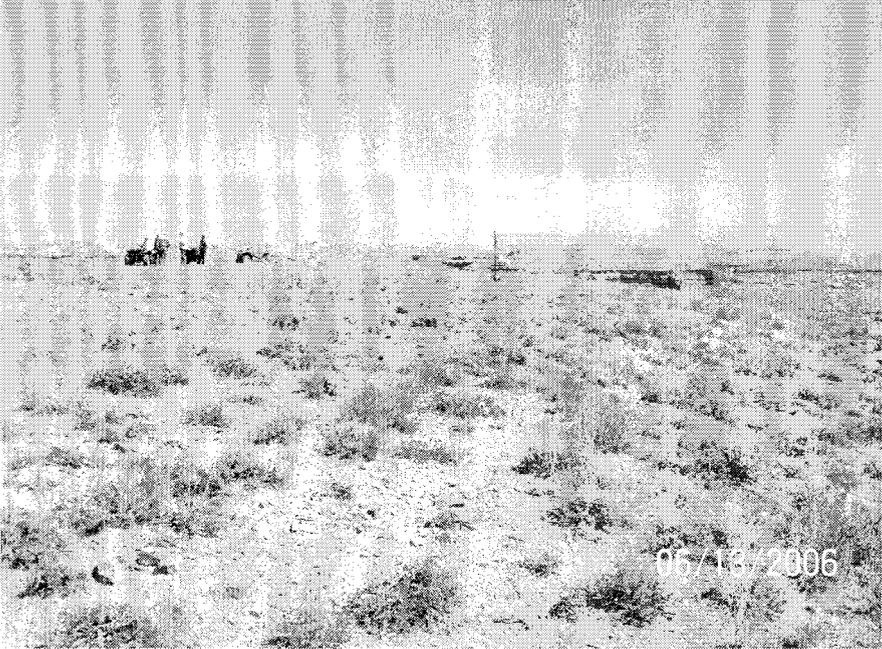
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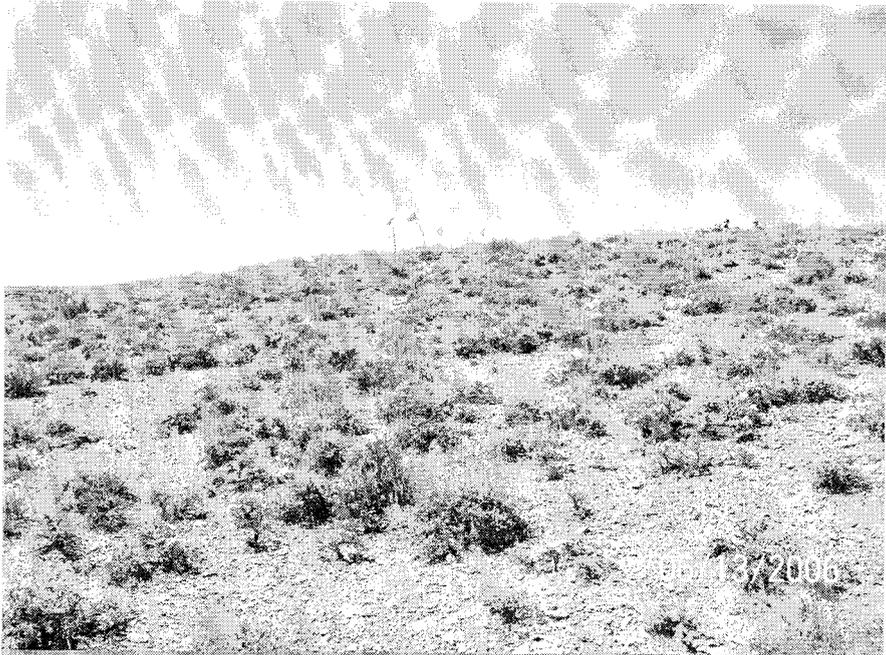
~~E~~valuation Ranking Criteria and Ranking ~~S~~core  
For Reserve and Onsite Pit Liner Requirements

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

**Final Score**      40      (Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.  
Sensitivity Level II = 15-19; lining is discretionary.  
Sensitivity Level III = below 15; no specific lining is required.





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

**OPERATOR:** ENDURING RESOURCES, LLC  
**WELL NAME & NUMBER:** ROCK HOUSE 10-23-11-30 (NOTE: This is a directional well planned of the same pad as 4 other wells: the Rock House 10-23-21-30, the Rock House 10-23-31-30, the Rock House 10-23-12-30, and the Rock House 10-23-22-30. All are directional wells except the 10-23-21-30, which is a vertical well. American Gilsonite owns the surface and the producing zone is federal minerals administered by the BLM.  
**API NUMBER:** 43-047-38132  
**LOCATION:** 1/4,1/4 NE/NW Sec: 30 TWP: 10S RNG: 23E 860' FNL 1862 FWL (PRODUCING ZONE) NW/NW; 660' FNL; 660'FWL

**Geology/Ground Water:**

Enduring proposes to set 2,000 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 4,550 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this location is the Uinta/Green River Formation transition. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The Green River Formation is made up of interbedded limestones, shales and sandstones. Fresh water aquifers can be found in the Green River Formation and should be protected. The proposed surface casing should adequately protect any potentially useable aquifers. Production casing cement should be brought up above the base of the moderately saline ground water.

**Reviewer:** Brad Hill **Date:** 06-15-06

**Surface:**

The predrill investigation of the surface was performed on June 13, 2006. This is a directional well planned of the same pad as 4 other wells: the Rock House 10-23-21-30, the Rock House 10-23-31-30, the Rock House 10-23-12-30, and the Rock House 10-23-22-30. All are directional wells except the 10-23-21-30, which is a vertical well. The surface for this well is FEE, owned by American Gilsonite Company, while the minerals are Federal administered by the BLM. Mr. Jared Jackson representing American Gilsonite was present on the site investigation and had no concerns not covered in the surface agreement.. Melissa Hawk from the BLM was invited by e-mail on June 6, 2006 to attend the investigation. She replied by e-mail that a mandatory meeting scheduled for that day prevented her from attending. She informed Doug Hammond of Enduring Resources that she would visit the site at a later date.

The combined location is planned near the end of a finger ridge, which overlooks the breaks of Saddle Tree and White River drainages. The site is remote requiring approximately 2.3 miles of new access road. Views from the site are scenic, consisting of steep to vertical canyon walls and protruding rocky knobs or spires. This river is occasional used for recreational non-white water rafting. The river bottom its self is not visible but users of the side canyons or climbers to vantage points may see the proposed facilities.

Since the location is on top of and near the point of a ridge and the topography breaks sharply toward the White

River, it is essential that the reserve pit not leak. Enduring Resources agreed to use a double liner on the reserve pit as well as extra cushioning from felt sub-lining as the final construction indicated appropriate. With this extra precaution it is expected that no stability or leaking problems will occur.

Approximately 2.3 miles of new access road will be required to reach the location. All of this road except the final 240 feet is across BLM administered lands. Mr. Hammond stated that Ms. Hawk had informed him that a short portion of the access road on BLM administered lands passed through an area modeled as prime potential Mexican spotted owl habitat. Four calling periods were completed this spring with no responses. The US Fish and Wildlife Service's protocol requires two consecutive years of calling before clearing the possible habitat as un-occupied. Mr. Hammond stated he is going to ask permission to build this short section outside the critical period for the owl.

The selected location appears to be the best site for constructing a pad and drilling and operating a well in the immediate area. No significant stability problems are anticipated.

ATV's were used to access the site

**Reviewer:** Floyd Bartlett                      **Date:** 06/14/2006

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

1. The reserve pit will be double lined with a minimum of two 16 mil. liners. A felt cushion sub-liner will be installed at the thickness appropriate for the surface of the bottom of the pit.
2. If other wells on this location are drilled before this well, the integrity of the reserve pit liner must be determined prior to drilling this well. Repairs or replacement of the liner as appropriate is required.



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 15, 2006

Enduring Resources, LLC  
475 17th St., Ste. 1500  
Denver, CO 80202

Re: Rock House 10-23-11-30 Well, Surface Location 860' FNL, 1862' FWL,  
NE NW, Sec. 30, T. 10 South, R. 23 East, Bottom Location 660' FNL,  
660' FWL, NW NW, Sec. 30, T. 10 South, R. 23 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38132.

Sincerely,

Gil Hunt  
Associate Director

pab

Enclosures

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

**Operator:** Enduring Resources, LLC  
**Well Name & Number** Rock House 10-23-11-30  
**API Number:** 43-047-38132  
**Lease:** UTU-76281

**Surface Location:** NE NW      **Sec.** 30      **T.** 10 South      **R.** 23 East  
**Bottom Location:** NW NW      **Sec.** 30      **T.** 10 South      **R.** 23 East

### Conditions of Approval

1. General

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

2. Notification Requirements

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

3. Reporting Requirements

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

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED  
VERNAL FIELD OFFICE

FORM APPROVED  
OMB No. 1004-0156  
2006 MAY 11 PM 3:40

Expires November 30, 2000

DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.  
5. Lease No. **UTU-71417**

6. If Indian, Allottee or Tribe Name  
7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
**BITTER CREEK 1122-5E**

9. API Well No.  
**43-047-38132**

10. Field and Pool, or Exploratory  
**BITTER CREEK**

11. Sec., T., R., M., or Blk, and Survey or Area  
**SEC 5, T11S, R22E**

12. County or Parish  
**UINTAH**

13. State  
**UTAH**

1a. Type of Work:  DRILL  REENTER  
b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL & GAS ONSHORE LP**

3a. Address **1368 SOUTH 1200 EAST VERNAL, UT 84078**  
3b. Phone No. (include area code) **(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **SWNW 2655'FNL, 509'FWL**

At proposed prod. Zone  
14. Distance in miles and direction from nearest town or post office\*  
**39.25 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. **509'**  
(Also to nearest drig. unit line, if any)  
16. No. of Acres in lease **1520.00**  
17. Spacing Unit dedicated to this well **40.00**

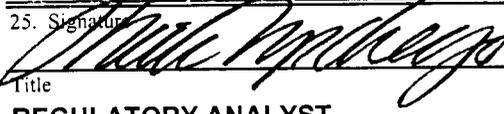
18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **REFER TO TOPO C**  
19. Proposed Depth **8520'**  
20. BLM/BIA Bond No. on file **BOND NO. 2971100-2533 WY2357**

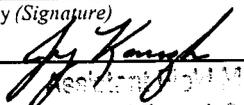
21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5559'GL**  
22. Approximate date work will start\*  
23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  Name (Printed/Typed) **SHEILA UPCHEGO** Date **5/10/2006**  
Title **REGULATORY ANALYST**

Approved by (Signature)  Name (Printed/Typed) **JERRY KOWCZKA** Date **4-19-2007**  
Title **Assistant Field Manager** Office

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, are attached. **CONDITIONS OF APPROVAL ATTACHED**

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 reverse)

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

RECEIVED

APR 24 2007

DIV. OF OIL, GAS & MINING



06BM1499A

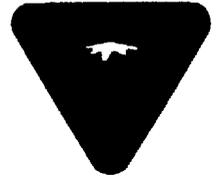


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>	<b>Location:</b>	<b>SWNW, Sec. 5, T11S, R22E</b>
<b>Well No:</b>	<b>Bitter Creek 1122-5E</b>	<b>Lease No:</b>	<b>UTU-71417</b>
<b>API No:</b>	<b>43-047-38132</b>	<b>Agreement:</b>	<b>N/A</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**GENERAL SURFACE COA**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**SITE SPECIFIC SURFACE CONDITIONS OF APPROVAL**

- The lessee/operator is given notice that lands in the lease have been identified as containing crucial pronghorn (antelope) habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through June 20. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if pronghorn are in the area.
- 4 to 6 inches of topsoil shall be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural contours, topsoil re-spread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed

## ***DOWNHOLE CONDITIONS OF APPROVAL***

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making

the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- 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.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

**OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers 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 shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 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 Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

**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 _____		6. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5719		8. WELL NAME and NUMBER: Rock House 10-23-11-30
4. LOCATION OF WELL FOOTAGES AT SURFACE: 860' FNL - 1862' FWL		9. API NUMBER: 4304738132
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		10. FIELD AND POOL, OR WILDCAT: Undesignated
COUNTY: Uintah		
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> 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"/> 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>Request for APD Extension</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.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill ....

FROM: 6/15/2007  
TO: 6/15/2008

Approved by the  
Utah Division of  
Oil, Gas and Mining

6-19-07

**RECEIVED**

JUN 15 2007

DIV. OF OIL, GAS & MINING

Date: 06-18-07  
By: [Signature]

NAME (PLEASE PRINT) <u>Evette Bissett</u>	TITLE <u>Regulatory Affairs Assistant</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/12/2007</u>

(This space for State use only)

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738132  
**Well Name:** Rock House 10-23-11-30  
**Location:** 860' FNL - 1862' FWL, NENW, Sec 30, T10S-R23E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 6/15/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

*Evelyn Bussett*  
Signature

6/12/2007  
Date

Title: Regulatory Affairs Assistant

Representing: Enduring Resources, LLC

RECEIVED  
VERNAL FIELD OFFICE

Form 3160-3 2006 MAY 22 PM 3: 05  
(April 2004)

DEPT. OF THE INTERIOR UNITED STATES  
BUREAU OF LAND MANAGEMENT DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. <b>UTU-76281</b>	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. <b>Rock House 10-23-11-30</b>	
9. API Well No. <b>43 047 38132</b>	
10. Field and Pool, or Exploratory <b>undesignated</b>	
11. Sec., T. R. M. or Blk. and Survey or Area <b>Sec 30-T10S R23E S.L.B.&amp;M. NEUW</b>	
12. County or Parish <b>Uintah</b>	
13. State <b>UT</b>	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone	
2. Name of Operator <b>Enduring Resources, LLC</b>	
3a. Address <b>475 17th Street, Suite 1500 Denver, CO 80202</b>	3b. Phone No. (include area code) <b>303-350-5114</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>860' FNL - 1862' FWL NENW Sec 30-10S-23E</b> <b>LOT I</b> At proposed prod. zone <b>660' FNL - 660' FWL NWNW Sec 30-10S-23E</b>	
14. Distance in miles and direction from nearest town or post office* <b>80.3 miles Southeast from Vernal, Utah</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>869' Surf - 660' BHL</b>	16. No. of acres in lease <b>640 acres</b>
17. Spacing Unit dedicated to this well <b>40 acres</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>1000' + BHL (25' Surf)</b>	19. Proposed Depth <b>8465'</b>
20. BLM/BIA Bond No. on file <b>BLM - UTB000173</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5550' KB-RT</b>	22. Approximate date work will start* <b>07/01/2006</b>
23. Estimated duration <b>20 days</b>	

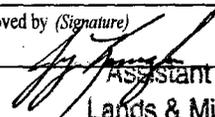
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form.

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) <b>Alvin R. (Al) Arlian</b>	Date <b>05/02/2006</b>
--	---	---------------------------

Title  
**Landman - Regulatory Specialist**

Approved by (Signature) 	Name (Printed/Typed) <b>Terry Keucka</b>	Date <b>2-14-2008</b>
--	---	--------------------------

Title  
**Assistant Field Manager**  
**Lands & Mineral Resources**

Office  
**VERNAL FIELD OFFICE**

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, are attached.

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)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
RECEIVED

FEB 25 2008

DIV. OF OIL, GAS & MINING



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East      VERNAL, UT 84078      (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Enduring Resources, LLC  
**Well No:** Rock House 10-23-11-30  
**API No:** 43-047-38132

**Location:** Lot 1, Sec 30, T10S, R23E  
**Lease No:** UTU-76281  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Site Specific Conditions of Approval**

This well is located within the Saddletree Draw Leasing and Rock House Development EA project boundary, **the COA's approved in the Final EA Record of Decision are also applicable to approval of this proposed action.**

- The road and pipeline routes submitted with the APD were previously approved via a right-of-way application.
- All permanent facilities, not regulated by OSHA, shall be painted the same color, **Olive Black (5WA20-6)**; within six months of installation.
- A closed loop drilling system will be used.
- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- Conditions as set forth by those owners and/or agencies.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.
- A CBL shall be run from TD to the surface casing shoe and a field copy shall be submitted to the BLM Vernal Field Office.

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth

from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- 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.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location  $\frac{1}{4}$  $\frac{1}{4}$ , Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data

obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers 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 shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 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 Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 6

ENTITY ACTION FORM

Operator: Enduring Resources, LLC  
Address: 475 17th Street, Suite 1500  
city Denver  
state CO zip 80202

Operator Account Number: N 2750  
Phone Number: (303) 350-5114

Well 1

*NENU*

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738132	Rock House 10-23-11-30		<i>NW1/4</i>	30	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>A</i>	99999	<i>16727</i>	3/6/2008		<i>3/17/08</i>		
Comments: <i>MVRD BHL = NW1/4</i> <b>CONFIDENTIAL</b>							

Well 2

API Number	Well Name		QQ	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		QQ	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)

Alvin R. (Al) Arlian

Name (Please Print)



Signature

Landman-Regulatory

3/6/2008

Title

Date

RECEIVED

MAR 06 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-76281</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
		7. UNIT or CA AGREEMENT NAME: n/a
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <del>CONFIDENTIAL</del>		8. WELL NAME and NUMBER: <b>Rock House 10-23-11-30</b>
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		9. API NUMBER: <b>4304738132</b>
3. ADDRESS OF OPERATOR: <b>475 17th Street, Suite 1500</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		PHONE NUMBER: <b>(303) 350-5719</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>860' FNL - 1862' FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 30 10S 23E S</b>		COUNTY: <b>Uintah</b>
		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>3/12/2008</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 checked="" 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>Change to Drilling Plans</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.

1. BOPE will be changed:  
from: 3,000#'s  
to: 5,000#'s, and
2. Surface pipe will be changed:  
from: 8-5/8"  
to: 9-5/8".

**COPY SENT TO OPERATOR**  
Date: 4.4.2008  
Initials: KS

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>3/12/2008</u>

(This space for State use only)

Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

**RECEIVED**  
**MAR 14 2008**

Date: 3/31/08  
By: [Signature] (See Instructions on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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-076281**

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 Houe 10-23-11-30**

9. API Well No.  
**4304738132**

10. Field and Pool, or Exploratory Area  
**Undesignated**

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  
**475 17th Street, Suite 1500, Denver, CO 80202**

3b. Phone No. (include area code)  
**303-350-5114**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SHL=NENW 8 60' FLL - 1,862' FWL Sec 30-T10S R23E S.L.B.&M. BHL=NWNW**

**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 <b>Surface Pipe Report</b>
	<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.)

**3-6-2008 MI Conductor Rig. Drill 40' of 20" hole and set 40' of 14" conductor w/ 3 yards of Ready Mix Cement. Waiting to drill and set surface pipe.**

**4-25-2008 to 4-30-2008 DRILL 12 1/4" SURFACE HOLE TO 2086'. Run 51 joints 9-5/8" - 36 lb/ft., 8 rd, ST&C, J-55 and cement as follows:**

**Stage: 1, Lead, 0 200 sxs, HI-FILL, Other, 3.82, 11**

**Stage: 2, Tail, 0, 225 sxs, Class G, 1.15, 15.8**

**Stage: 1, Top Out, 175 sxs, 0, 0, 0**

**Stage: 1, Top Out, 0, 50 sxs Class G, 1.15, 15.8.**

**4-30-2008 Waiting to drill out from surface.**

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

**Alvin R. (Al) Arlian**

Title **Landman - Regulatory Specialist**

Signature



Date

**05/30/2008**

**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.

Title

Date

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)

**RECEIVED**

**JUN 02 2008**

DIV. OF OIL, GAS & MINING

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 [ ] GAS WELL [X] OTHER [ ]
2. NAME OF OPERATOR: Enduring Resources, LLC
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 350-5719
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 860' FNL - 1862' FWL BHL = NWNW COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION: [X] NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 6/16/2008 [ ] SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:
TYPE OF ACTION: [ ] ACIDIZE [ ] ALTER CASING [ ] CASING REPAIR [ ] CHANGE TO PREVIOUS PLANS [ ] CHANGE TUBING [ ] CHANGE WELL NAME [ ] CHANGE WELL STATUS [X] COMMINGLE PRODUCING FORMATIONS [ ] CONVERT WELL TYPE [ ] DEEPEN [ ] FRACTURE TREAT [ ] NEW CONSTRUCTION [ ] OPERATOR CHANGE [ ] PLUG AND ABANDON [ ] PLUG BACK [ ] PRODUCTION (START/RESUME) [ ] RECLAMATION OF WELL SITE [ ] RECOMPLETE - DIFFERENT FORMATION [ ] REPERFORATE CURRENT FORMATION [ ] SIDETRACK TO REPAIR WELL [ ] TEMPORARILY ABANDON [ ] TUBING REPAIR [ ] VENT OR FLARE [ ] WATER DISPOSAL [ ] WATER SHUT-OFF [X] OTHER: Commingle Application

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
In order to prevent waste of gas, as defined by law; to protect the correlative rights of all parties concerned; to prevent the drilling of un-necessary wells; and to insure proper and efficient development and promote conservation of the gas resources of the State of Utah, Enduring Resources, LLC respectfully request approval to perforate and commingle the Wasatch and Mesaverde formations "pools" in the same well bore.
1. Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs.
2. These formations shall be commingled in the well bore and produced concurrently in a single string of 2-3/8" production tubing.
3. Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units.
4. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas lease or production units overlying the "pool."

COPY SENT TO OPERATOR
Date: 7-14-2008
Initials: KS

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist
SIGNATURE [Signature] DATE 5/16/2008

(This space for State use only) Accepted by the Utah Division of Oil, Gas and Mining Date: 7/11/08 Federal Approval Of This Action Is Necessary RECEIVED MAY 19 2008 DIV. OF OIL, GAS & MINING (5/2000) (See Instructions on Reverse Side)

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 16, 2008

Anadarko Petroleum Corporation  
1099-18<sup>th</sup> Street, Suite 1200  
Denver, Colorado 80202

**CERTIFIED MAIL**

**ARTICLE NO: 70063450000142729413**

Attention: Land Department

**RE: Commingling Application**  
**Rock House 10-23-11-30**  
**Sec. 30, T10S-R23E (BHL = NWNW, SHL = NENW)**  
**Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

***ENDURING RESOURCES, LLC***

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 16, 2008

Forest Oil Corporation  
707-17<sup>th</sup> Street, Suite 3600  
Denver, Colorado 80202-4966

**CERTIFIED MAIL**  
**ARTICLE NO: 70063450000142729451**

Attention: Land Department

**RE: Commingling Application**  
**Rock House 10-23-11-30**  
**Sec. 30, T10S-R23E (BHL = NWNW, SHL = NENW)**  
**Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

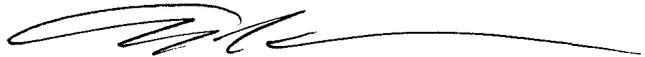
Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

# AFFIDAVIT OF MAILING

Statue of Colorado            )  
City and                         )ss.  
County of Denver            )

Alvin R. Arlian (hereinafter sometimes referred to as "Affiant"), of lawful age, being first duly sworn upon oath, deposes and says:

1. Affiant is a Landman-Regulatory Specialist for Enduring Resources, LLC (hereinafter sometimes referred to as "Enduring") whose address is 475-17<sup>th</sup> Street, Denver, Colorado 80202,
2. Enduring is the operator of the following described oil and gas well:

**Buck Camp 11-22-11-36  
494' FNL – 482' FWL (NWNW) Section 36, T11S-R22E  
Uintah County, Utah**

3. A cursory search of applicable records confirmed that the following parties are the only leasehold interest owners in the contiguous oil and gas wells, contiguous oil and gas leases, or contiguous oil and gas well production units overlying the "pool."
  1. Forest Oil Corporation
  2. Anadarko Petroleum Corporation
  - 3.
  - 4.
4. On Friday, May 16, 2008 Affiant mailed (or caused to be mailed) in U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph No. 2 above which said Application for Commingling (Form 9) has/had concurrently been filed with the State of Utah Division of Oil, Gas, and Mining (and if applicable, copies sent to SITLA, and the Bureau of Land Management), and
5. Attached is a map showing the location of wells' located on contiguous oil and gas leases and/or production units.

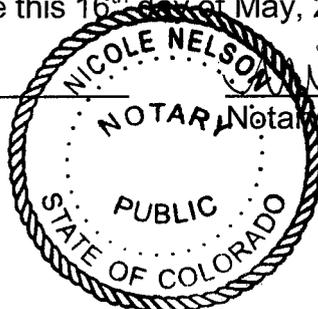
Affiant saith no more.



Alvin R. Arlian, Affiant

Scribed and sworn to before me this 16<sup>th</sup> day of May, 2008 by Alvin R. Arlian.

2/25/2012  
My Commission Expires:



MAP ATTACHED TO ENDURING RESOURCES LLC COMMINGLING APPLICATION FOR ROCK HOUSE  
10-23-11-30 LOCATED IN THE NW-NW SEC. 30, T10S-R23E



**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: n/a
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: n/a
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		8. WELL NAME and NUMBER: <b>Rock House 10-23-11-30</b>
3. ADDRESS OF OPERATOR: <b>475 17th Street, Suite 1500</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>4304738132</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>860' FNL - 1862' FWL</b> BHL= <b>NWNW</b> COUNTY: <b>Uintah</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 30 10S 23E S</b> STATE: <b>UTAH</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</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 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: <b>8/22/2008</b>	<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 checked="" type="checkbox"/> OTHER: <b>First Gas Sales</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.

August 22, 2008 First Gas Sales.

Completion Report To Follow.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>8/25/2008</u>

(This space for State use only)

**RECEIVED**

**AUG 27 2008**

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

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

AMENDED REPORT  FORM 8  
(highlight changes)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-76281</b>
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		7. UNIT or CA AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR: <b>475 17th St, Suite 1500 CITY Denver STATE CO ZIP 80202</b>		8. WELL NAME and NUMBER: <b>Rock House 10-23-11-30</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>860' FNL - 1862' FWL, NENW</b> AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>660' FNL - 660' FWL, NWNW Sec 30-10S-23E</b> AT TOTAL DEPTH: <sup>659</sup> <b>660' FNL - 655' FWL, NWNW Sec 30-10S-23E</b>		9. API NUMBER: <b>4304738132</b>
10. FIELD AND POOL, OR WILDCAT <b>Undesignated</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 30 10S 23E S</b>
12. COUNTY <b>Uintah</b>		13. STATE <b>UTAH</b>

14. DATE SPUDDED: <b>4/24/2008</b>	15. DATE T.D. REACHED: <b>5/11/2008</b>	16. DATE COMPLETED: <b>8/22/2008</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): <b>5550 RKB</b>
18. TOTAL DEPTH: MD <b>8,352</b> TVD <b>8,189'</b>	19. PLUG BACK T.D.: MD <b>8,339</b> TVD <b>8,176</b>	20. IF MULTIPLE COMPLETIONS, HOW MANY? * <b>10</b>	21. DEPTH BRIDGE MD PLUG SET: TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) <b>Previously submitted.</b> <b>SD/DSN/ARRAY COMP TRAVE REST.</b>			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)	

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	line pipe	0	40		3 yards		0 (CIR)	0
12-1/4"	9 5/8 J55	36#	16	2,086		CI G 650	228	16 (CIR)	0
7 7/8"	4 1/2 N80	11.6 #	16	8327		CI G 1,435	385	2500 (CBL)	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Wasatch	5,515	5,722	5,355	5,562	5,515 - 5,722	.38"	48	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) Mesaverde	6,108	8,249	5,948	8,087	6,108 - 8,249	.38"	321	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5515 - 5722	Placed 29565 lbs Ottawa 30/50 proppant in Wasatch formation
6108 - 8249	Placed 21117 lbs 30/50, 224061 lbs 20/40 and 220606 lbs 40/70 proppant in Mesaverde formation

29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____	<input checked="" type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS: <b>Producing</b>
---	--	--	--	--------------------------------------

RECEIVED

SEP 24 2008

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/22/2008		TEST DATE: 9/7/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,241	WATER - BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 25/64	TBG. PRESS.	CSG. PRESS. 550	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,241	WATER - BBL: 0	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

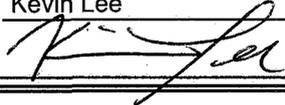
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	1,157
				Wasatch	3,943
				Mesaverde	5,959

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Kevin Lee TITLE Engineering Tech  
 SIGNATURE  DATE 9/22/2008

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801



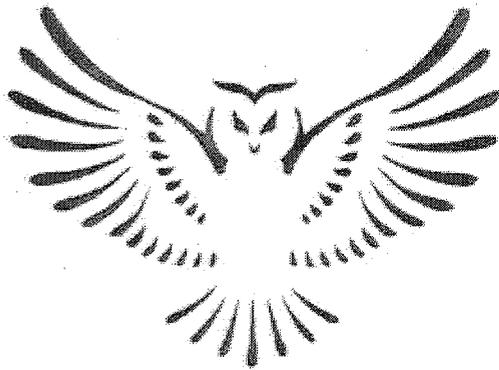
**Weatherford®**

**Drilling Services**

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**COMPLETION**

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**ENDURING ROCK HOUSE**

**ROCK HOUSE 10-23-11-30**

**WELL FILE: PLAN 5**

**MAY 12, 2008**

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**Weatherford International Ltd.**

2000 Oil Drive

Casper, Wyoming 82604

+1.307.265.1413 Main

+1.307.235.3958 Fax

[www.weatherford.com](http://www.weatherford.com)

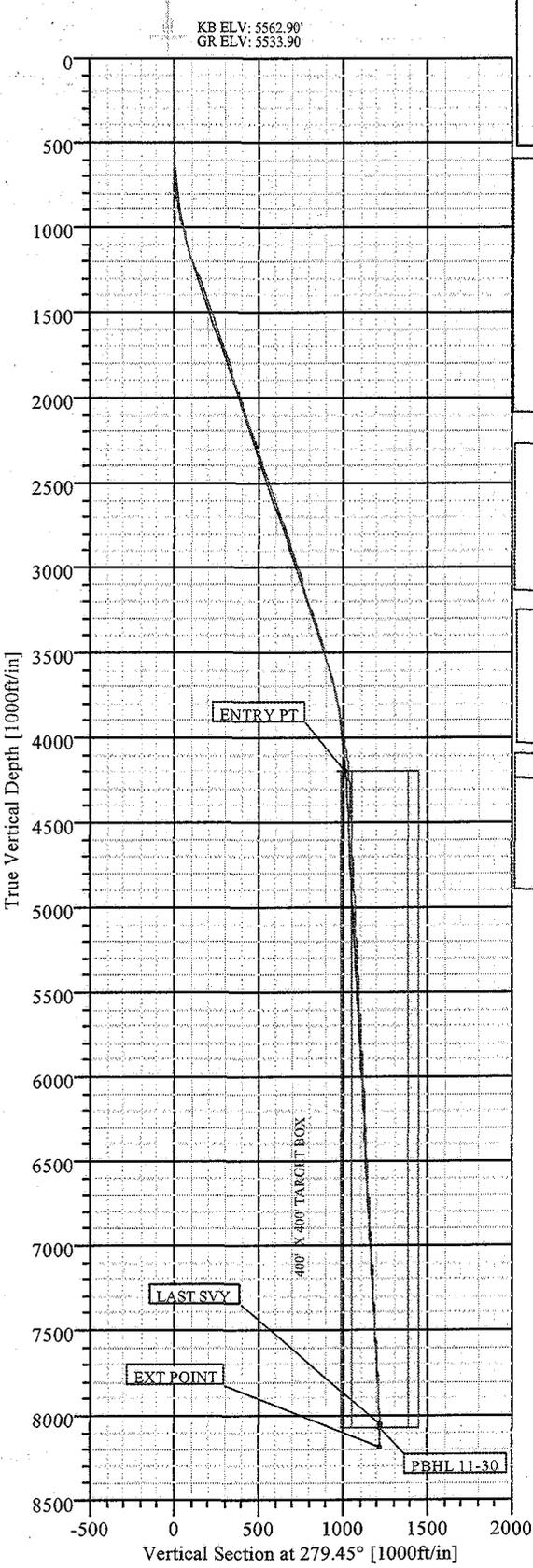


**ENDURING RESOURCES, L.L.C.**

**ROCK HOUSE 10-23-11-30  
SEC. 30, T10S, R23E  
UINTAH COUNTY, UTAH**



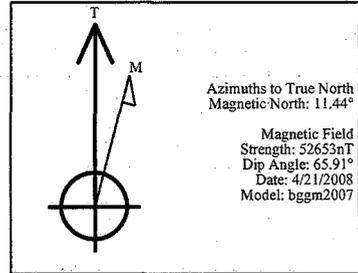
**Weatherford**



KB ELV: 5562.90'  
GR ELV: 5533.90'

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	279.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	500.00	0.00	279.34	500.00	0.00	0.00	0.00	279.34	0.00	0.00
3	1250.90	18.77	279.34	1237.53	19.78	-120.30	2.50	279.34	121.92	0.00
4	3564.13	18.77	279.34	3427.71	140.54	-854.86	0.00	0.00	866.34	0.00
5	4353.05	2.99	279.34	4200.00	164.63	-1001.38	2.00	180.00	1014.82	0.00
6	8233.35	2.99	279.34	8075.00	197.51	-1201.37	0.00	0.00	1217.50	0.00

**FIELD DETAILS**  
 Uintah Basin (NAD 83)  
 Uintah County, Utah  
 USA  
 Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: bggm2007  
 System Datum: Mean Sea Level  
 Local North: True North

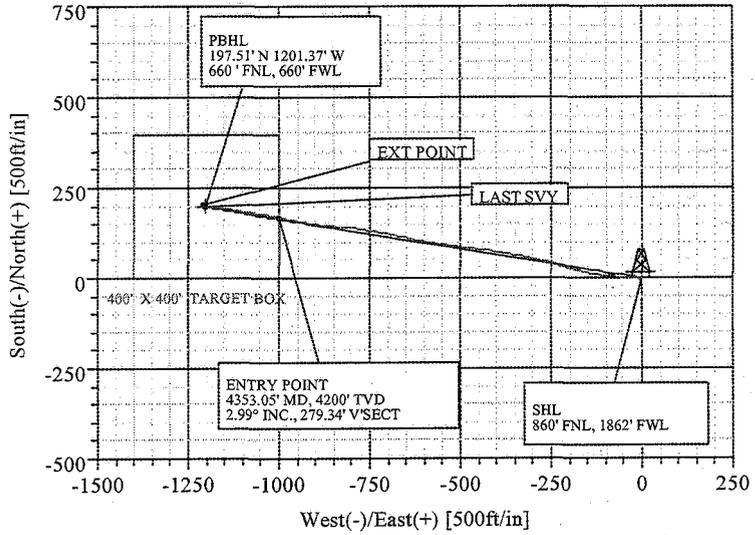


CASING DETAILS				
No.	TVD	MD	Name	Size
1	2000.00	2061.09	9 5/8"	9.625

ANNOTATIONS			
No.	TVD	MD	Annotation
1	8049.50	8212.00	LAST SVY
2	8187.38	8350.00	EXT POINT

TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
ENTRY PT	4200.00	164.63	-1001.38	Point
PBHL 11-30	8075.00	197.51	-1201.38	Rectangle (400x400)

LAST SURVEY										
Survey: Survey #1 (ROCK HOUSE 10-23-11-30/1)										
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
254	8350.00	2.37	278.21	8187.38	200.87	-1206.76	0.00	0.00	1223.37	





# Weatherford International Ltd.

## SURVEY REPORT



# Weatherford

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/12/2008	<b>Time:</b> 09:11:05	<b>Page:</b> 1
<b>Field:</b> Uintah Basin (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North		
<b>Site:</b> ROCK HOUSE 10-23-11-30	<b>Vertical (TVD) Reference:</b> SITE 5562.9		
<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

<b>Survey:</b> Survey #1	<b>Start Date:</b> 4/25/2008
<b>Company:</b> Weatherford International Ltd.	<b>Engineer:</b> Tracy R. Williams
<b>Tool:</b> MWD;MWD - Standard	<b>Tied-to:</b> From Surface

<b>Field:</b> Uintah Basin (NAD 83) Unitah County, Utah USA	<b>Map Zone:</b> Utah, Central Zone
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Coordinate System:</b> Site Centre
<b>Geo Datum:</b> GRS 1980	<b>Geomagnetic Model:</b> bggm2007
<b>Sys Datum:</b> Mean Sea Level	

<b>Site:</b> ROCK HOUSE 10-23-11-30			
UINTAH BASIN			
<b>Site Position:</b>	<b>Northing:</b> 7148423.24 ft	<b>Latitude:</b> 39 55 29.080 N	
<b>From:</b> Geographic	<b>Easting:</b> 2237067.38 ft	<b>Longitude:</b> 109 22 20.210 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5533.90 ft		<b>Grid Convergence:</b> 1.36 deg	

<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Slot Name:</b>
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7148423.24 ft
+E/-W 0.00 ft	<b>Easting:</b> 2237067.38 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 55 29.080 N
	<b>Longitude:</b> 109 22 20.210 W

<b>Wellpath:</b> 1	<b>Drilled From:</b> Surface
<b>Current Datum:</b> SITE	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 4/21/2008	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 52653 nT	<b>Declination:</b> 11.44 deg
<b>Vertical Section: Depth From (TVD)</b>	<b>Mag Dip Angle:</b> 65.91 deg
ft	ft
+N/-S	+E/-W
ft	ft
0.00	0.00
0.00	0.00
0.00	279.45

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Build	Turn	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	279.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
180.00	0.31	125.07	180.00	-0.28	0.40	-0.44	0.17	0.17	0.00	
211.00	0.56	146.32	211.00	-0.45	0.55	-0.62	0.95	0.81	68.55	
242.00	0.56	128.19	242.00	-0.67	0.75	-0.85	0.57	0.00	-58.48	
273.00	0.44	154.07	273.00	-0.87	0.93	-1.06	0.81	-0.39	83.48	
304.00	0.50	130.07	303.99	-1.07	1.08	-1.24	0.66	0.19	-77.42	
335.00	0.56	158.82	334.99	-1.30	1.24	-1.44	0.87	0.19	92.74	
365.00	0.56	136.94	364.99	-1.54	1.39	-1.63	0.71	0.00	-72.93	
396.00	0.44	137.32	395.99	-1.74	1.58	-1.84	0.39	-0.39	1.23	
427.00	0.38	162.82	426.99	-1.92	1.69	-1.98	0.61	-0.19	82.26	
457.00	0.50	158.32	456.99	-2.14	1.77	-2.09	0.42	0.40	-15.00	
488.00	0.31	201.82	487.99	-2.34	1.78	-2.14	1.12	-0.61	140.32	
519.00	0.69	229.44	518.99	-2.54	1.61	-2.01	1.42	1.23	89.10	
549.00	0.75	256.82	548.98	-2.71	1.28	-1.71	1.15	0.20	91.27	
580.00	1.25	265.44	579.98	-2.78	0.75	-1.19	1.68	1.61	27.81	
611.00	1.76	267.63	610.97	-2.83	-0.06	-0.40	1.66	1.65	7.06	
641.00	2.17	275.72	640.95	-2.79	-1.09	0.62	1.65	1.37	26.97	
672.00	2.88	272.07	671.92	-2.70	-2.45	1.98	2.35	2.29	-11.77	
703.00	3.63	272.69	702.87	-2.63	-4.21	3.72	2.42	2.42	2.00	
733.00	4.31	272.07	732.80	-2.54	-6.29	5.78	2.27	2.27	-2.07	
764.00	5.06	273.32	763.70	-2.42	-8.82	8.30	2.44	2.42	4.03	
795.00	6.06	274.69	794.55	-2.21	-11.81	11.29	3.25	3.23	4.42	
825.00	7.19	274.19	824.35	-1.94	-15.26	14.74	3.77	3.77	-1.67	
856.00	8.50	275.94	855.06	-1.56	-19.48	18.95	4.29	4.23	5.65	



# Weatherford International Ltd.

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/12/2008	<b>Time:</b> 09:11:05	<b>Page:</b> 2
<b>Field:</b> Uintah Basin (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North		
<b>Site:</b> ROCK HOUSE 10-23-11-30	<b>Vertical (TVD) Reference:</b> SITE 5562.9		
<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
887.00	9.63	274.32	885.67	-1.13	-24.34	23.82	3.74	3.65	-5.23	
917.00	10.81	273.57	915.19	-0.77	-29.65	29.12	3.96	3.93	-2.50	
948.00	12.31	273.07	945.56	-0.41	-35.85	35.30	4.85	4.84	-1.61	
979.00	13.56	273.32	975.78	-0.02	-42.78	42.20	4.04	4.03	0.81	
1009.00	14.81	273.57	1004.86	0.42	-50.12	49.51	4.17	4.17	0.83	
1041.00	16.13	273.94	1035.70	0.98	-58.63	58.00	4.14	4.12	1.16	
1073.00	17.19	275.57	1066.36	1.75	-67.78	67.14	3.62	3.31	5.09	
1105.00	18.19	276.69	1096.84	2.79	-77.44	76.85	3.30	3.12	3.50	
1137.00	18.63	277.57	1127.21	4.04	-87.47	86.95	1.63	1.37	2.75	
1168.00	19.13	277.57	1156.54	5.36	-97.41	96.97	1.61	1.61	0.00	
1200.00	19.63	277.94	1186.73	6.80	-107.94	107.59	1.61	1.56	1.16	
1232.00	20.31	279.94	1216.80	8.50	-118.73	118.51	3.01	2.12	6.25	
1263.00	20.94	281.07	1245.81	10.49	-129.47	129.43	2.40	2.03	3.65	
1296.00	20.44	281.57	1276.69	12.78	-140.90	141.08	1.61	-1.52	1.52	
1327.00	20.13	282.57	1305.76	15.03	-151.41	151.82	1.50	-1.00	3.23	
1359.00	20.19	281.82	1335.80	17.35	-162.19	162.84	0.83	0.19	-2.34	
1391.00	20.19	282.19	1365.84	19.65	-172.99	173.87	0.40	0.00	1.16	
1422.00	19.31	284.57	1395.01	22.07	-183.18	184.32	3.85	-2.84	7.68	
1454.00	18.94	286.16	1425.25	24.85	-193.29	194.75	2.00	-1.16	4.97	
1486.00	18.94	286.82	1455.51	27.80	-203.25	205.05	0.67	0.00	2.06	
1518.00	19.06	285.82	1485.77	30.72	-213.25	215.40	1.08	0.37	-3.12	
1549.00	19.19	286.44	1515.06	33.54	-223.00	225.48	0.78	0.42	2.00	
1581.00	19.25	285.82	1545.28	36.47	-233.12	235.95	0.66	0.19	-1.94	
1613.00	19.19	285.57	1575.49	39.32	-243.26	246.42	0.32	-0.19	-0.78	
1645.00	18.75	285.07	1605.76	42.07	-253.30	256.77	1.47	-1.37	-1.56	
1676.00	18.75	283.69	1635.11	44.54	-262.95	266.69	1.43	0.00	-4.45	
1708.00	18.81	283.19	1665.41	46.94	-272.97	276.97	0.54	0.19	-1.56	
1740.00	18.88	283.69	1695.69	49.34	-283.02	287.28	0.55	0.22	1.56	
1772.00	19.00	282.69	1725.96	51.71	-293.13	297.65	1.08	0.37	-3.12	
1803.00	19.25	282.44	1755.25	53.92	-303.05	307.79	0.85	0.81	-0.81	
1835.00	19.19	282.57	1785.46	56.20	-313.33	318.31	0.23	-0.19	0.41	
1867.00	18.63	281.69	1815.74	58.38	-323.47	328.67	1.96	-1.75	-2.75	
1899.00	18.44	282.32	1846.08	60.50	-333.42	338.83	0.86	-0.59	1.97	
1931.00	18.25	281.69	1876.45	62.59	-343.27	348.89	0.86	-0.59	-1.97	
1962.00	18.13	281.94	1905.90	64.57	-352.74	358.56	0.46	-0.39	0.81	
1994.00	18.19	280.82	1936.31	66.54	-362.52	368.52	1.11	0.19	-3.50	
2026.00	18.24	281.10	1966.70	68.44	-372.34	378.52	0.31	0.16	0.87	
2061.09	18.54	279.90	2000.00	70.46	-383.22	389.59	1.37	0.84	-3.41	9 5/8"
2149.00	19.31	277.07	2083.16	74.65	-411.41	418.09	1.37	0.88	-3.22	
2180.00	19.63	277.69	2112.39	75.98	-421.66	428.41	1.23	1.03	2.00	
2212.00	19.00	276.69	2142.59	77.31	-432.16	438.99	2.22	-1.97	-3.12	
2244.00	18.88	276.44	2172.86	78.49	-442.48	449.36	0.45	-0.37	-0.78	
2276.00	18.44	277.69	2203.17	79.75	-452.64	459.59	1.86	-1.37	3.91	
2307.00	18.44	277.32	2232.58	81.03	-462.36	469.39	0.38	0.00	-1.19	
2339.00	18.50	276.07	2262.93	82.21	-472.43	479.52	1.25	0.19	-3.91	
2371.00	18.56	275.57	2293.28	83.25	-482.55	489.67	0.53	0.19	-1.56	
2403.00	18.50	276.32	2323.62	84.30	-492.66	499.82	0.77	-0.19	2.34	
2434.00	18.75	276.94	2352.99	85.44	-502.50	509.70	1.03	0.81	2.00	
2466.00	18.69	278.19	2383.30	86.79	-512.68	519.97	1.27	-0.19	3.91	
2498.00	18.88	278.57	2413.60	88.30	-522.87	530.27	0.71	0.59	1.19	
2530.00	18.38	279.44	2443.92	89.89	-532.97	540.49	1.79	-1.56	2.72	
2561.00	18.50	279.69	2473.33	91.52	-542.64	550.30	0.46	0.39	0.81	



# Weatherford International Ltd.

## SURVEY REPORT



# Weatherford

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/12/2008	<b>Time:</b> 09:11:05	<b>Page:</b> 3
<b>Field:</b> Uintah Basin (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North		
<b>Site:</b> ROCK HOUSE 10-23-11-30	<b>Vertical (TVD) Reference:</b> SITE 5562.9		
<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2593.00	18.44	280.44	2503.68	93.30	-552.62	560.44	0.77	-0.19	2.34	
2625.00	18.56	280.32	2534.03	95.12	-562.61	570.59	0.39	0.37	-0.37	
2657.00	18.88	280.07	2564.33	96.94	-572.71	580.86	1.03	1.00	-0.78	
2689.00	19.13	279.69	2594.59	98.73	-582.98	591.28	0.87	0.78	-1.19	
2720.00	19.64	279.93	2623.83	100.48	-593.12	601.57	1.67	1.65	0.77	
2752.00	19.06	281.07	2654.02	102.41	-603.54	612.17	2.16	-1.81	3.56	
2784.00	19.19	281.32	2684.26	104.45	-613.83	622.65	0.48	0.41	0.78	
2816.00	18.56	282.44	2714.54	106.58	-623.96	632.99	2.27	-1.97	3.50	
2847.00	18.50	282.82	2743.93	108.73	-633.57	642.83	0.43	-0.19	1.23	
2879.00	18.31	281.82	2774.29	110.89	-643.44	652.92	1.15	-0.59	-3.12	
2911.00	18.44	280.82	2804.66	112.87	-653.33	663.00	1.07	0.41	-3.12	
2943.00	18.63	280.94	2835.00	114.79	-663.32	673.17	0.61	0.59	0.37	
2975.00	18.81	282.44	2865.31	116.87	-673.38	683.43	1.61	0.56	4.69	
3006.00	19.00	282.94	2894.64	119.08	-683.18	693.46	0.81	0.61	1.61	
3038.00	19.13	282.07	2924.88	121.34	-693.38	703.89	0.98	0.41	-2.72	
3070.00	19.19	281.19	2955.11	123.46	-703.67	714.39	0.92	0.19	-2.75	
3102.00	19.29	280.54	2985.32	125.44	-714.02	724.93	0.74	0.31	-2.03	
3133.00	18.75	280.82	3014.63	127.32	-723.95	735.03	1.77	-1.74	0.90	
3165.00	18.38	280.07	3044.96	129.16	-733.97	745.22	1.38	-1.16	-2.34	
3197.00	18.56	280.07	3075.31	130.94	-743.95	755.35	0.56	0.56	0.00	
3228.00	18.56	279.44	3104.70	132.61	-753.68	765.22	0.65	0.00	-2.03	
3260.00	18.56	278.69	3135.04	134.21	-763.74	775.41	0.75	0.00	-2.34	
3291.00	18.44	278.19	3164.44	135.66	-773.46	785.24	0.64	-0.39	-1.61	
3323.00	18.00	277.19	3194.83	137.00	-783.38	795.24	1.69	-1.37	-3.12	
3355.00	17.75	276.19	3225.29	138.14	-793.13	805.05	1.24	-0.78	-3.12	
3386.00	17.69	274.82	3254.82	139.05	-802.53	814.46	1.36	-0.19	-4.42	
3418.00	17.81	274.19	3285.29	139.81	-812.25	824.18	0.71	0.37	-1.97	
3450.00	17.69	275.19	3315.77	140.61	-821.97	833.91	1.02	-0.37	3.12	
3482.00	17.50	275.44	3346.27	141.51	-831.61	843.55	0.64	-0.59	0.78	
3513.00	17.38	275.69	3375.85	142.41	-840.85	852.82	0.46	-0.39	0.81	
3545.00	17.19	275.94	3406.40	143.37	-850.31	862.31	0.64	-0.59	0.78	
3577.00	16.58	276.75	3437.02	144.40	-859.55	871.59	2.04	-1.91	2.53	
3609.00	16.25	277.19	3467.72	145.49	-868.52	880.63	1.10	-1.03	1.37	
3640.00	16.06	277.32	3497.49	146.58	-877.08	889.25	0.62	-0.61	0.42	
3672.00	15.00	277.32	3528.33	147.67	-885.58	897.81	3.31	-3.31	0.00	
3704.00	14.63	277.57	3559.26	148.73	-893.69	905.98	1.17	-1.16	0.78	
3736.00	14.63	278.19	3590.22	149.84	-901.70	914.06	0.49	0.00	1.94	
3767.00	14.75	279.94	3620.21	151.08	-909.46	921.92	1.48	0.39	5.65	
3799.00	14.75	279.82	3651.16	152.48	-917.49	930.07	0.10	0.00	-0.37	
3831.00	14.81	279.94	3682.10	153.88	-925.53	938.23	0.21	0.19	0.37	
3863.00	14.69	279.69	3713.04	155.27	-933.56	946.38	0.42	-0.37	-0.78	
3894.00	14.38	279.57	3743.05	156.57	-941.23	954.16	1.00	-1.00	-0.39	
3926.00	13.88	278.94	3774.08	157.83	-948.94	961.97	1.63	-1.56	-1.97	
3958.00	12.94	278.94	3805.21	158.98	-956.27	969.39	2.94	-2.94	0.00	
3990.00	12.13	279.32	3836.45	160.08	-963.13	976.34	2.54	-2.53	1.19	
4021.00	11.25	280.69	3866.80	161.17	-969.31	982.62	2.98	-2.84	4.42	
4053.00	10.81	281.07	3898.21	162.33	-975.32	988.74	1.39	-1.37	1.19	
4085.00	10.30	280.43	3929.67	163.42	-981.08	994.60	1.64	-1.59	-2.00	
4117.00	9.56	280.19	3961.19	164.41	-986.51	1000.12	2.32	-2.31	-0.75	
4148.00	8.88	281.19	3991.79	165.33	-991.39	1005.08	2.25	-2.19	3.23	
4180.00	8.44	281.82	4023.43	166.29	-996.11	1009.90	1.41	-1.37	1.97	
4212.00	8.06	282.57	4055.09	167.26	-1000.60	1014.48	1.23	-1.19	2.34	
4244.00	7.38	282.69	4086.80	168.20	-1004.80	1018.78	2.13	-2.12	0.37	



# Weatherford International Ltd.

## SURVEY REPORT



# Weatherford

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/12/2008	<b>Time:</b> 09:11:05	<b>Page:</b> 4
<b>Field:</b> Uintah Basin (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North		
<b>Site:</b> ROCK HOUSE 10-23-11-30	<b>Vertical (TVD) Reference:</b> SITE 5562.9		
<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
4275.00	6.75	283.94	4117.57	169.07	-1008.51	1022.58	2.09	-2.03	4.03	
4307.00	6.13	287.82	4149.37	170.05	-1011.96	1026.15	2.37	-1.94	12.12	
4339.00	5.50	285.85	4181.20	170.99	-1015.06	1029.36	2.06	-1.97	-6.16	
4357.88	5.16	282.73	4200.00	171.43	-1016.76	1031.11	2.35	-1.78	-16.52	ENTRY PT
4371.00	4.94	280.32	4213.07	171.66	-1017.89	1032.26	2.35	-1.71	-18.38	
4403.00	4.50	275.69	4244.96	172.03	-1020.50	1034.89	1.82	-1.37	-14.47	
4434.00	4.06	273.69	4275.87	172.22	-1022.80	1037.20	1.50	-1.42	-6.45	
4466.00	3.44	277.57	4307.81	172.42	-1024.88	1039.28	2.09	-1.94	12.12	
4498.00	2.87	286.05	4339.76	172.77	-1026.61	1041.04	2.30	-1.78	26.50	
4529.00	2.56	291.44	4370.72	173.23	-1028.00	1042.49	1.29	-1.00	17.39	
4561.00	2.44	289.57	4402.69	173.72	-1029.30	1043.86	0.45	-0.37	-5.84	
4593.00	2.44	287.32	4434.66	174.15	-1030.59	1045.20	0.30	0.00	-7.03	
4625.00	2.50	285.07	4466.63	174.54	-1031.92	1046.57	0.36	0.19	-7.03	
4656.00	2.56	286.44	4497.60	174.91	-1033.24	1047.93	0.27	0.19	4.42	
4688.00	2.44	283.44	4529.57	175.27	-1034.58	1049.32	0.55	-0.37	-9.37	
4720.00	2.50	283.32	4561.54	175.59	-1035.93	1050.70	0.19	0.19	-0.37	
4752.00	2.50	281.69	4593.51	175.89	-1037.29	1052.09	0.22	0.00	-5.09	
4784.00	2.56	279.57	4625.48	176.15	-1038.68	1053.50	0.35	0.19	-6.62	
4815.00	2.63	276.82	4656.45	176.35	-1040.07	1054.91	0.46	0.23	-8.87	
4847.00	2.63	275.98	4688.42	176.52	-1041.52	1056.37	0.12	0.00	-2.62	
4879.00	2.69	276.69	4720.38	176.68	-1043.00	1057.85	0.21	0.19	2.22	
4911.00	2.56	273.57	4752.35	176.81	-1044.46	1059.32	0.60	-0.41	-9.75	
4942.00	2.69	276.57	4783.32	176.94	-1045.87	1060.73	0.61	0.42	9.68	
4974.00	2.56	275.69	4815.28	177.09	-1047.33	1062.19	0.43	-0.41	-2.75	
5006.00	2.69	278.69	4847.25	177.28	-1048.78	1063.66	0.59	0.41	9.37	
5038.00	2.63	278.44	4879.21	177.50	-1050.25	1065.14	0.19	-0.19	-0.78	
5069.00	2.56	276.32	4910.18	177.68	-1051.64	1066.55	0.38	-0.23	-6.84	
5101.00	2.38	276.57	4942.15	177.84	-1053.01	1067.92	0.56	-0.56	0.78	
5132.00	2.38	277.32	4973.13	177.99	-1054.29	1069.21	0.10	0.00	2.42	
5164.00	2.19	276.82	5005.10	178.15	-1055.56	1070.48	0.60	-0.59	-1.56	
5196.00	2.19	277.94	5037.08	178.31	-1056.77	1071.71	0.13	0.00	3.50	
5228.00	2.56	277.57	5069.05	178.48	-1058.08	1073.03	1.16	1.16	-1.16	
5260.00	2.56	277.19	5101.02	178.67	-1059.50	1074.46	0.05	0.00	-1.19	
5291.00	2.56	277.19	5131.99	178.84	-1060.88	1075.84	0.00	0.00	0.00	
5323.00	2.56	274.69	5163.95	178.99	-1062.30	1077.27	0.35	0.00	-7.81	
5355.00	2.44	274.07	5195.92	179.10	-1063.69	1078.66	0.38	-0.37	-1.94	
5387.00	2.44	274.44	5227.90	179.20	-1065.05	1080.02	0.05	0.00	1.16	
5418.00	2.50	275.94	5258.87	179.32	-1066.38	1081.35	0.28	0.19	4.84	
5450.00	2.63	280.69	5290.83	179.53	-1067.79	1082.78	0.78	0.41	14.84	
5482.00	2.75	281.57	5322.80	179.82	-1069.27	1084.28	0.40	0.37	2.75	
5513.00	2.75	279.69	5353.76	180.09	-1070.73	1085.77	0.29	0.00	-6.06	
5545.00	2.69	281.07	5385.73	180.36	-1072.22	1087.28	0.28	-0.19	4.31	
5577.00	2.75	282.32	5417.69	180.67	-1073.71	1088.80	0.26	0.19	3.91	
5609.00	2.75	282.94	5449.65	181.01	-1075.21	1090.34	0.09	0.00	1.94	
5640.00	2.81	279.32	5480.62	181.30	-1076.68	1091.84	0.60	0.19	-11.68	
5672.00	2.81	279.57	5512.58	181.55	-1078.23	1093.41	0.04	0.00	0.78	
5704.00	2.75	279.32	5544.54	181.81	-1079.76	1094.96	0.19	-0.19	-0.78	
5735.00	2.81	280.07	5575.51	182.06	-1081.24	1096.46	0.23	0.19	2.42	
5767.00	2.69	278.69	5607.47	182.31	-1082.76	1098.00	0.43	-0.37	-4.31	
5799.00	2.56	274.82	5639.43	182.49	-1084.21	1099.46	0.69	-0.41	-12.09	
5831.00	2.57	273.17	5671.40	182.59	-1085.64	1100.89	0.23	0.03	-5.16	
5862.00	2.63	274.32	5702.37	182.68	-1087.04	1102.28	0.26	0.19	3.71	



# Weatherford International Ltd.

## SURVEY REPORT



**Weatherford**

<b>Company:</b> Enduring Resources	<b>Date:</b> 5/12/2008	<b>Time:</b> 09:11:05	<b>Page:</b> 5
<b>Field:</b> Uintah Basin (NAD 83)	<b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North		
<b>Site:</b> ROCK HOUSE 10-23-11-30	<b>Vertical (TVD) Reference:</b> SITE 5562.9		
<b>Well:</b> ROCK HOUSE 10-23-11-30	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature		<b>Db:</b> Sybase

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
5894.00	2.69	277.07	5734.34	182.83	-1088.52	1103.77	0.44	0.19	8.59	
5926.00	2.50	277.07	5766.30	183.00	-1089.96	1105.21	0.59	-0.59	0.00	
5958.00	2.56	275.57	5798.27	183.16	-1091.36	1106.62	0.28	0.19	-4.69	
5990.00	2.50	276.44	5830.24	183.31	-1092.77	1108.03	0.22	-0.19	2.72	
6021.00	2.63	275.82	5861.21	183.46	-1094.15	1109.42	0.43	0.42	-2.00	
6053.00	2.63	273.69	5893.18	183.58	-1095.61	1110.88	0.31	0.00	-6.66	
6085.00	2.56	270.07	5925.14	183.63	-1097.06	1112.32	0.56	-0.22	-11.31	
6117.00	2.75	272.69	5957.11	183.66	-1098.54	1113.78	0.70	0.59	8.19	
6148.00	2.75	271.69	5988.07	183.72	-1100.02	1115.26	0.15	0.00	-3.23	
6180.00	2.81	278.19	6020.04	183.85	-1101.57	1116.81	1.00	0.19	20.31	
6212.00	2.75	284.82	6052.00	184.16	-1103.09	1118.35	1.02	-0.19	20.72	
6244.00	2.81	284.32	6083.96	184.55	-1104.59	1119.90	0.20	0.19	-1.56	
6275.00	2.94	286.07	6114.92	184.96	-1106.09	1121.45	0.51	0.42	5.65	
6307.00	2.75	284.19	6146.88	185.38	-1107.62	1123.03	0.66	-0.59	-5.87	
6339.00	2.88	283.19	6178.84	185.75	-1109.15	1124.59	0.43	0.41	-3.12	
6371.00	2.95	283.03	6210.80	186.12	-1110.73	1126.22	0.22	0.22	-0.50	
6402.00	2.94	283.44	6241.76	186.48	-1112.28	1127.81	0.08	-0.03	1.32	
6434.00	3.06	283.32	6273.72	186.87	-1113.91	1129.48	0.38	0.37	-0.37	
6466.00	3.00	281.82	6305.67	187.24	-1115.56	1131.17	0.31	-0.19	-4.69	
6498.00	3.06	284.69	6337.63	187.62	-1117.21	1132.85	0.51	0.19	8.97	
6529.00	3.06	281.32	6368.58	188.00	-1118.82	1134.50	0.58	0.00	-10.87	
6561.00	3.00	280.32	6400.54	188.31	-1120.48	1136.20	0.25	-0.19	-3.12	
6593.00	3.00	279.19	6432.50	188.60	-1122.13	1137.87	0.18	0.00	-3.53	
6625.00	2.88	279.32	6464.45	188.86	-1123.75	1139.51	0.38	-0.37	0.41	
6656.00	2.81	282.94	6495.41	189.16	-1125.26	1141.05	0.62	-0.23	11.68	
6688.00	2.75	282.32	6527.38	189.50	-1126.78	1142.60	0.21	-0.19	-1.94	
6720.00	2.81	281.19	6559.34	189.81	-1128.30	1144.15	0.25	0.19	-3.53	
6751.00	2.81	279.82	6590.30	190.09	-1129.79	1145.67	0.22	0.00	-4.42	
6783.00	2.81	278.94	6622.26	190.35	-1131.34	1147.24	0.13	0.00	-2.75	
6815.00	2.69	282.82	6654.23	190.64	-1132.84	1148.77	0.69	-0.37	12.12	
6847.00	2.56	280.19	6686.19	190.93	-1134.28	1150.24	0.55	-0.41	-8.22	
6878.00	2.69	283.32	6717.16	191.22	-1135.67	1151.65	0.62	0.42	10.10	
6910.00	2.75	283.19	6749.12	191.57	-1137.15	1153.17	0.19	0.19	-0.41	
6942.00	2.81	282.44	6781.09	191.91	-1138.66	1154.72	0.22	0.19	-2.34	
6974.00	2.82	281.45	6813.05	192.24	-1140.20	1156.29	0.16	0.03	-3.09	
7005.00	2.81	282.07	6844.01	192.55	-1141.69	1157.81	0.10	-0.03	2.00	
7037.00	2.81	281.19	6875.97	192.86	-1143.23	1159.38	0.13	0.00	-2.75	
7069.00	2.94	279.69	6907.93	193.15	-1144.80	1160.98	0.47	0.41	-4.69	
7101.00	2.88	279.19	6939.89	193.42	-1146.41	1162.61	0.20	-0.19	-1.56	
7132.00	2.88	279.07	6970.85	193.67	-1147.94	1164.16	0.02	0.00	-0.39	
7164.00	2.87	277.45	7002.81	193.90	-1149.53	1165.77	0.26	-0.03	-5.06	
7196.00	2.99	278.10	7034.77	194.12	-1151.15	1167.40	0.39	0.37	2.03	
7228.00	3.00	277.69	7066.73	194.35	-1152.81	1169.07	0.07	0.03	-1.28	
7259.00	2.88	276.82	7097.69	194.55	-1154.39	1170.66	0.41	-0.39	-2.81	
7291.00	2.88	276.07	7129.64	194.73	-1155.98	1172.27	0.12	0.00	-2.34	
7323.00	2.94	272.94	7161.60	194.86	-1157.60	1173.89	0.53	0.19	-9.78	
7355.00	2.94	275.57	7193.56	194.98	-1159.24	1175.52	0.42	0.00	8.22	
7386.00	2.75	277.19	7224.52	195.15	-1160.77	1177.06	0.67	-0.61	5.23	
7418.00	2.94	278.19	7256.48	195.36	-1162.34	1178.64	0.61	0.59	3.12	
7450.00	2.88	280.94	7288.44	195.63	-1163.94	1180.27	0.47	-0.19	8.59	
7482.00	2.81	278.94	7320.40	195.91	-1165.51	1181.86	0.38	-0.22	-6.25	
7513.00	2.63	275.44	7351.37	196.09	-1166.97	1183.33	0.79	-0.58	-11.29	
7545.00	2.69	276.32	7383.33	196.24	-1168.44	1184.81	0.23	0.19	2.75	



# Weatherford International Ltd.

## SURVEY REPORT



# Weatherford

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah Basin (NAD 83) <b>Site:</b> ROCK HOUSE 10-23-11-30 <b>Well:</b> ROCK HOUSE 10-23-11-30 <b>Wellpath:</b> 1	<b>Date:</b> 5/12/2008 <b>Time:</b> 09:11:05 <b>Page:</b> 6 <b>Co-ordinate(NE) Reference:</b> Site: ROCK HOUSE 10-23-11-30, True North <b>Vertical (TVD) Reference:</b> SITE 5562.9 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,279.45Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
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### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
7577.00	2.56	271.94	7415.30	196.35	-1169.90	1186.27	0.75	-0.41	-13.69	
7609.00	2.69	268.94	7447.27	196.36	-1171.37	1187.71	0.59	0.41	-9.37	
7641.00	2.63	260.57	7479.23	196.23	-1172.84	1189.15	1.23	-0.19	-26.16	
7672.00	2.38	258.19	7510.20	195.98	-1174.18	1190.42	0.87	-0.81	-7.68	
7704.00	2.50	263.69	7542.17	195.77	-1175.52	1191.71	0.82	0.37	17.19	
7736.00	2.93	269.21	7574.14	195.68	-1177.03	1193.19	1.57	1.34	17.25	
7768.00	3.25	273.07	7606.09	195.71	-1178.76	1194.89	1.19	1.00	12.06	
7799.00	3.25	275.69	7637.04	195.85	-1180.51	1196.64	0.48	0.00	8.45	
7831.00	3.25	274.57	7668.99	196.01	-1182.31	1198.45	0.20	0.00	-3.50	
7863.00	3.38	271.82	7700.94	196.11	-1184.16	1200.29	0.64	0.41	-8.59	
7895.00	3.06	270.19	7732.89	196.15	-1185.96	1202.07	1.04	-1.00	-5.09	
7926.00	3.06	279.32	7763.84	196.28	-1187.60	1203.71	1.57	0.00	29.45	
7958.00	2.87	286.73	7795.80	196.65	-1189.21	1205.36	1.34	-0.59	23.16	
7990.00	3.00	289.44	7827.76	197.16	-1190.77	1206.98	0.59	0.41	8.47	
8022.00	2.94	288.69	7859.71	197.70	-1192.34	1208.62	0.22	-0.19	-2.34	
8054.00	2.94	287.69	7891.67	198.22	-1193.90	1210.24	0.16	0.00	-3.12	
8086.00	2.94	287.44	7923.63	198.71	-1195.46	1211.86	0.04	0.00	-0.78	
8117.00	2.75	286.69	7954.59	199.16	-1196.93	1213.39	0.62	-0.61	-2.42	
8149.00	2.63	283.94	7986.56	199.56	-1198.38	1214.88	0.55	-0.37	-8.59	
8181.00	2.56	279.44	8018.52	199.85	-1199.80	1216.33	0.67	-0.22	-14.06	
8212.00	2.37	278.21	8049.50	200.06	-1201.11	1217.66	0.64	-0.61	-3.97	LAST SVY
8237.53	2.37	278.21	8075.00	200.21	-1202.16	1218.72	0.00	0.00	0.00	PBHL 11-30
8350.00	2.37	278.21	8187.38	200.87	-1206.76	1223.37	0.00	0.00	0.00	EXT POINT

### Annotation

MD ft	TVD ft	Comment
8212.00	8049.50	LAST SVY
8350.00	8187.38	EXT POINT



**Enduring Resources, LLC**

475 17th St. - Suite 1500  
 Denver, CO 80202  
 (303) 573-1222

**Drilling Chronological**  
**Regulatory**

<b>Well Name: ROCK HOUSE 10-23-11-30</b>																
Field Name:	Natural Buttes			S/T/R:	30/10S/23E			County, State:	UINTAH, UT							
Operator:	Enduring Resources, LLC			Location Desc:				District:	Northern							
Project AFE:	<b>DV00354</b>			AFEs Associated:				/ / /								
<b>Daily Summary</b>																
Activity Date :	<b>3/6/2008</b>		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft						
Rig Company :				Rig Name:												
Formation :				Weather:												
<b>Operations</b>																
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run				
7:00	10:00	21	Move in Pete Martin Rathole Drilling. Drilled 40' & set 14" conductor. Drilled Rat & Mouse hole.							0	0	NIH				
Total:	10:00															
<b>Daily Summary</b>																
Activity Date :	<b>4/24/2008</b>		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft						
Rig Company :	BRONCO			Rig Name:	BRONCO # 23											
Formation :	Surface			Weather:												
<b>Operations</b>																
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run				
1:30	4:50	01	R/U Bronco Rig # 23.							0	0	NIH				
Total:	4:50															
<b>Daily Summary</b>																
Activity Date :	<b>4/25/2008</b>		Days From Spud :	1		Current Depth :	481 Ft		24 Hr. Footage Made :	412 Ft						
Rig Company :	BRONCO			Rig Name:	BRONCO # 23											
Formation :	Surface			Weather:												
<b>Operations</b>																
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run				
6:00	11:00	21	Slip & cut 140' of drilling line. R/U 14" riser & flowline. Continue R/U. Fill Tanks with 600 bbls. Fresh water & mix 95 sx. Gypsum. R/U ZECO mud cleaner. Change out valve on Pre-Mix tank.							0	0	NIH				
17:00	1:00	21	Line up B.H.A., measure & caliper same.							0	0	NIH				
18:00	3:00	02	Spud 12-1/4" hole @ 18:00 hours 04-24-2008. Drill F/ 69' to 141'.							69	141	1				
21:00	1:00	21	Install directional tools & orient same. Shallow hole test good.							141	141	1				
22:00	8:00	02	Drill F/ 141' to 481'. WOB 10 - 35K, RPM 50, MTR 77							141	481	1				
Total:	24:00															
<b>Mud Properties</b>																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
481	6:00	8.40	8.40	0	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT		Remarks										
0	0.0	0.0	50			GYPSUM WATER. GEL SWEEPS.										

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>4/26/2008</b>	Days From Spud :	2	Current Depth :	806 Ft	24 Hr. Footage Made :	325 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	10.50	02	Drill Rotate / Slide F/ 481' to 665'.	481	665	1
16:30	2.50	06	Trip out to change motor setting. Change motor from 1.83 to 2.12. Trip in hole.	665	665	1
19:00	11.00	02	Drill Rotate / Slide F/ 665' to 806'. WOB 12 - 34K, RPM 45 - 55, MTR 77	665	806	1
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
481	6:00	8.40	8.40	28	0	0	2/1/0	0.0	0.0	0	0.00	0.5%	99.5%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	0.00	0.00	0.00	0.00	300	760	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	50		GYPSUM WATER. GEL SWEEPS.										

**Daily Summary**

Activity Date :	<b>4/27/2008</b>	Days From Spud :	3	Current Depth :	1107 Ft	24 Hr. Footage Made :	301 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.50	20	Drill Rotate / Slide F/ 806' to 849'. WOB 12 - 30K, RPM 40 - 50, MTR 77	806	849	1
8:30	0.50	07	Rig Service	849	849	1
9:00	21.00	20	Drill Rotate / Slide F/ 849' to 1,107'. WOB 12 - 24K, RPM 40 - 50, MTR 77	849	1107	1
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
1107	6:00	8.40	8.40	28	0	0	2/1/0	0.0	0.0	0	0.00	0.5%	99.5%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	0.00	0.00	0.00	0.00	100	600	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	50		GYPSUM WATER. GEL SWEEPS.										

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>4/28/2008</b>	Days From Spud :	4	Current Depth :	1477 Ft	24 Hr. Footage Made :	370 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	11.50	20	Drill Rotate / Slide F/ 1,107' to 1,255'. WOB 10 - 25K, RPM 45 - 50, MTR 77	1107	1255	1
17:30	0.50	07	Rig Service	1255	1255	1
18:00	12.00	20	Drill Rotate / Slide F/ 1,255' to 1,477'. ( Hole started seeping @ 1,400' ) WOB 12 - 25K, RPM 45 - 50, MTR 77	1255	1477	1

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
1477	6:00	8.50	8.50	28	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	100	960	0	0.00	0.00	0	0	0.00		50	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	50		HOLE STARTED SEEPING @ 1,400'. PUMP L.C.M. / GEL SWEEPS										

**Daily Summary**

Activity Date :	<b>4/29/2008</b>	Days From Spud :	5	Current Depth :	2017 Ft	24 Hr. Footage Made :	540 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	9.00	20	Drill Rotate / Slide F/ 1,477' to 1,604'. WOB 14 - 28K, RPM 50, MTR 77. Hole still Seeping. Pump L.C.M. Sweep every connection. Losing 25 - 30 BPH.	1477	1604	1
15:00	0.50	07	Rig Service	1604	1604	1
15:30	14.50	20	Drill Rotate / Slide F/ 1,604' to 2,017'. WOB 12 - 28K, RPM 45 - 50, MTR. 77	1604	2017	1

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2017	6:00	8.50	8.50	29	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	50	600	0	0.00	0.00	0	0	0.00		550	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	50		HOLE STARTED SEEPING @ 1,400'. PUMP L.C.M. / GEL SWEEPS ESTIMATED LOSSES LAST 24 HOURS = 550 BBLs TOTAL LOSSES = 600 BBLs.										

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>4/30/2008</b>	Days From Spud :	6	Current Depth :	2086 Ft	24 Hr. Footage Made :	69 Ft
Rig Company :	BRONCO		Rig Name:	BRONCO # 23			
Formation :	Surface		Weather:				

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	3.00	20	Drill Rotate / Slide F/ 2,017' to 2,086'. WOB 15 - 25K, RPM 50, MTR 77. Hole seepage increasing.	2017	2086	1
9:00	1.00	05	Circulate, increase water, adding chemicals. Lost 350 bbls.in last 4 hrs.	2086	2086	1
10:00	1.00	06	Trip out to run 9-5/8" surface casing.	2086	2086	NIH
11:00	2.50	21	L/D Drill Collars & Directional Tools.	2086	2086	NIH
13:30	1.00	12	R/U P/U machine & 9-5/8" Csg tools.	2086	2086	NIH
14:30	5.50	12	Safety meeting with all personnel. Make up shoe trac. Test float equipment. Welder strapped Float equipment. Run 9-5/8" casing. Work thru tight place @ 1,483'. Continue running casing. Tagged fill at 2,051. Washed to 2,086'. Ran 51 jts. of 9-5/8" 36# ST&C, Total = 2,090.22'. Set 4.22' above K.B. @ 2,086'.	2086	2086	NIH
20:00	1.00	12	R/D P/U machine & 9-5/8" csg tools.	2086	2086	NIH
21:00	6.00	12	R/U ProPetro Services cementing head & equipment. Safety meeting with all personnel. Pressure test to 2,500 psi. Pumped spacer. Mix & pump 200 sx. Hi-Fill Cement ( 136 bbls. ) + 16% BWOC Gel, 10# p/sk. Gilsonite, 3% Salt, 3# p/sk. GR-3, 1/4 # p/sk. Flocele ( @ 11.0 ppg, Yield 3.82 ). Mix & pump 225 sx. Class "G" cement ( 46 bbls. ) + 2% BWOC CaCl, 1/4# p/sk. ( @ 15.8 ppg, Yield 1.15 ) Drop top plug. Displaced with 158 bbls. Water. 80% returns after pumping spacer for entire job. Circulated 10 bbls. Cement to surface. Floats holding. Monitor cement 1/2 hour. Ran 200' of 1" pipe. Mix & pump 175 sx. "G" cement ( 35.8 bbls. ) + 2% CaCl, 1-1/4# p/sk. Flocele. No Returns.	2086	2086	NIH
3:00	2.50	13	Wait on cement.	2086	2086	NIH
5:30	0.50	12	Ran 50' of 1" to pump #2 Top out.	2086	2086	NIH
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2086	6:00	8.50	8.50	29	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	300	840	0	0.00	0.00	0	0	0.00		350	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	50		HOLE STARTED SEEPING @ 1,400'. PUMP L.C.M. / GEL SWEEPS ESTIMATED LOSSES LAST 24 HOURS = 350 BBLs TOTAL LOSSES = 950 BBLs.										

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/1/2008</b>	Days From Spud :	7	Current Depth :	2086 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	0.50	12	Mix & pump 50 sx. "G" cement ( 10.2 bbls. ) + 2% CaCl, 1-1/4# p/sk. Flocele F/ 50' to surface. Cement at surface. R/D Pro Petro.	2086	2086	NIH
6:30	1.50	21	Welder cut off 9-5/8" csg. & 1" pipe. L/D 14" riser.	2086	2086	NIH
8:00	1.50	21	Weld on 9-5/8" 5K Wellhead Inc. wellhead & install valves. Test wellhead to 5K.	2086	2086	NIH
9:30	5.00	14	N/U B.O.P.'S	2086	2086	NIH
14:30	7.50	15	Safety meeting w/ B&C Quick Test. Test back to pumps to 2,500 psi. Test Pipe Rams, Blind Rams, Lines, Choke Manifold, & all valves to 250 psi Low / 5,000 psi High. Test 9-5/8" casing to 1,500 psi. Annular would not test.	2086	2086	NIH
22:00	8.00	08	Hydril Annular would not test. Appears Ram seal is out. W.O. mechanic & parts from Casper, Wyo.	2086	2086	NIH
<b>Total: 24.00</b>						

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2086	6:00	8.50	8.50	29	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	300	840	0	0.00	0.00	0	0	0.00		350	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	50												

**Daily Summary**

Activity Date :	<b>5/2/2008</b>	Days From Spud :	8	Current Depth :	2086 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	10.00	08	W.O. mechanic & parts for Hydril annular. Pulled top cap off annular & Hydril rubber.	2086	2086	NIH
16:00	7.00	08	Mechanics arrived. Had wrong puller bolts & seals. Bronco Chartered plane in Rawlins to fly to Casper, Wyo. & P/U Parts. Flew parts to Vernal ( Plane arrived in Vernal @ 21:41 hours ). Hot Shot arrived @ Rig @ 23:21 hours.	2086	2086	NIH
23:00	7.00	08	Installed puller bolts. Pumped Ram free & pulled same. Remove gaskets. Cleaned ram. Install new gaskets.	2086	2086	NIH
<b>Total: 24.00</b>						

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2086	6:00	8.50	8.50	29	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	300	840	0	0.00	0.00	0	0	0.00		350	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	50												

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/3/2008</b>	Days From Spud :	9	Current Depth :	2616 Ft	24 Hr. Footage Made :	530 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Surface			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	5.00	08	Install rebuilt ram in 13-5/8" 5K Hydril annular. Install new hydril rubber & top cap. N/U rotating head & flowline. Center B.O.P.'s.	2086	2086	NIH
11:00	1.00	15	Safety meeting w/ B&C Quick Test & R/U same. Test annular to 2,500 psi High. R/D B&C Quick Test.	2086	2086	NIH
12:00	0.50	21	Install wear bushing.	2086	2086	NIH
12:30	2.00	06	P/U Directional tools. Shallow test MWD.	2086	2086	NIH
14:30	2.00	06	Trip in hole with B.H.A. #2. Tag cement @ 2,042'	2086	2086	2
16:30	0.50	21	Install corrosion ring & rotating head rubber.	2086	2086	2
17:00	1.00	21	Drill cement & float equipment F/ 2,042' to 2,086'.	2086	2086	2
18:30	0.50	02	Drill F/ 2,086' to 2,091'.	2086	2091	2
18:30	0.50	05	Circulate hole clean @ 2,091'.	2091	2091	2
19:00	0.50	21	Perform F.I.T. to 11.0 ppg EMW ( 263 psi + 8.5 ppg gypsum water )	2091	2091	2
19:30	10.50	20	Drill Rotate / Slide F/ 2,091' to 2,616'. WOB 12-16K, RPM 42-45, MTR 65	2091	2616	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2616	6:00	8.50	8.50	29	0	0	2/1/0	0.0	0.0	0	0.00	1.2%	98.8%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.00	0.00	0.00	0.00	300	840	0	0.00	0.00	0	0	0.00		350	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.5	60		GYPSUM WATER										

**Daily Summary**

Activity Date :	<b>5/4/2008</b>	Days From Spud :	10	Current Depth :	3521 Ft	24 Hr. Footage Made :	905 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Green River			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	20	Drill Rotate / Slide F/ 2,616' to 2,743'. WOB 12-16K, RPM 40-45, MTR 65. S/D Centrifuges to let MW come up. ( Shaker screens blinding off with Green River oil )	2616	2743	2
8:00	5.00	05	Circulate & mud up to raise MW to shut off oil.	2743	2743	2
13:00	2.00	20	Drill Rotate / Slide F/ 2,743' to 2,870'. WOB 6-16K, RPM 40-50, MTR 65	2743	2870	2
15:00	0.50	07	Rig Service	2870	2870	2
15:30	3.50	20	Drill Rotate / Slide F/ 2,870' to 3,061'. WOB 10-16K, RPM 45-50, MTR 65	2870	3061	2
19:00	0.50	21	Pason working on flow sensor.	3061	3061	2
19:30	10.50	20	Drill Rotate / Slide F/ 3,061' to 3,521'. WOB 8-20K, RPM 40-50, MTR 65	3061	3521	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3521	6:00	8.80	8.80	38	1	0	2/1/0	0.0	0.0	0	0.00	1.9%	98.1%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	12.10	0.00	0.00	0.00	600	1200	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	8.8	70		GREEN RIVER SEEPING OIL, BLINDING OFF SHAKERS. 8.6 PPG NOT ENOUGH MW. MUD UP SYSTEM @ 2,743'.										

Well Name:ROCK HOUSE 10-23-11-30																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County,State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:						District:		Northern					
Daily Summary																		
Activity Date :		5/5/2008			Days From Spud :		11			Current Depth :		4331 Ft			24 Hr. Footage Made :		810 Ft	
Rig Company :		BRONCO			Rig Name:			BRONCO # 23										
Formation :		Wasatch			Weather:													
Operations																		
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run			
6:00	9.00	20	Drill Rotate / Slide F/ 3,521' to 3,917'. WOB 8-20K, RPM 40-50, MTR 65										3521	3917	2			
15:00	0.50	07	Rig Service										3917	3917	2			
15:30	14.50	20	Drill Rotate / Slide F/ 3,917' to 4,331'. WOB 8-18K, RPM 42-50, MTR 65										3917	4331	2			
Total:		24.00																
Mud Properties																		
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand			
4331	6:00	9.10	9.10	48	12	15	39/27/22	36.0	0.0	3	0.00	3.4%	96.6%	0.0%	0.0%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss				
0.0	10.50	0.20	0.10	0.00	600	800	0	0.00	0.00	0	0	0.00		0				
Water Loss	LCM	ECD	FL Temp	UFT	Remarks													
0	0.0	9.1	80															
Daily Summary																		
Activity Date :		5/6/2008			Days From Spud :		12			Current Depth :		5171 Ft			24 Hr. Footage Made :		840 Ft	
Rig Company :		BRONCO			Rig Name:			BRONCO # 23										
Formation :		Wasatch			Weather:													
Operations																		
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run			
6:00	10.00	20	Drill Rotate / Slide F/ 4,331' to 4,679'. WOB 8-18K, RPM 42-50, MTR 65										4331	4679	2			
16:00	0.50	07	Rig Service										4679	4679	2			
16:30	13.50	20	Drill Rotate / Slide F/ 4,679' to 5,171'. WOB 8-18K, RPM 45-50, MTR 65										4679	5171	2			
Total:		24.00																
Mud Properties																		
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand			
5171	6:00	9.20	9.20	44	11	24	46/35/32	10.0	0.0	2	0.00	5.0%	95.0%	0.0%	0.0%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss				
0.0	10.50	0.20	0.10	0.20	550	640	0	0.00	0.00	0	0	0.00		0				
Water Loss	LCM	ECD	FL Temp	UFT	Remarks													
0	0.0	9.6	80															

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/7/2008</b>	Days From Spud :	13	Current Depth :	5790 Ft	24 Hr. Footage Made :	619 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Wasatch			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	9.00	20	Drill Rotate / Slide F/ 5,171' to 5,473'. WOB 12-18K, RPM 45-50, MTR 65	5171	5473	2
15:00	1.00	05	Circulate sweep around to short trip above drop.	5473	5473	2
16:00	1.00	06	Trip Out to 3,150'. Tight places @ 5,191' & 3,181'.	5473	5473	2
17:00	2.00	06	Trip in hole to 5,473'.	5473	5473	2
19:00	11.00	20	Drill Rotate / Slide F/ 5,473' to 5,790'. WOB 15-20K, RPM 50-55, MTR 65	5473	5790	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5790	6:00	9.30	9.30	42	10	25	46/35/30	12.0	0.0	2	0.00	7.0%	93.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.50	0.33	0.16	0.18	600	532	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	9.6	89												

**Daily Summary**

Activity Date :	<b>5/8/2008</b>	Days From Spud :	14	Current Depth :	6330 Ft	24 Hr. Footage Made :	540 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	9.50	20	DRILL AND SLIDE F= 5790 T= 6013	5790	6013	2
15:30	0.50	07	SERVICE RIG/ GO THRU GAS BUSTER FOR TEST	6013	6013	2
16:00	2.00	20	DRILL AND SLIDE F=6013 T=6044	6013	6044	2
18:00	12.00	20	DRILL AND SLIDE F= 6044 T= 6330	6044	6330	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5982	14:00	9.70	9.70	52	8	28	20/22/24	19.0	0.0	3	0.00	12.0%	88.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
22.5	8.80	0.10	0.10	0.20	500	760	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	9.6	89												

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/9/2008</b>	Days From Spud :	15	Current Depth :	6901 Ft	24 Hr. Footage Made :	571 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	9.00	20	DRILL AND SLIDE F= 6330 T= 6552	6330	6552	2
15:00	0.50	07	SERVICE RIG /	6552	6552	2
15:30	2.50	20	DRILL& SLIDE F= 6552 T= 6625 / BOP DRILL	6552	6625	2
18:00	12.00	20	DRILL AND SLIDE F= 6625 T=6,901	6625	6901	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6426	10:00	9.70	9.70	48	8	24	22/24/27	12.0	0.0	3	0.00	12.0%	88.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
30.0	8.00	0.10	0.10	0.20	600	640	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.3	92												

**Daily Summary**

Activity Date :	<b>5/10/2008</b>	Days From Spud :	16	Current Depth :	7664 Ft	24 Hr. Footage Made :	763 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	9.00	20	DRILL AND SLIDE F=6901 T= 7187	6901	7187	2
15:00	0.50	07	SERVICE RIG / BOP DRILL	7187	7187	2
15:30	2.50	20	DRILL AND SLIDE F= 7187 T= 7282	7187	7282	2
18:00	12.00	20	DRILL AND SLIDE F= 7282 T= 7664	7282	7664	2
	0.00			7282	7282	2
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6940	8:00	10.00	10.00	47	5	32	34/44/52	12.0	0.0	3	0.00	13.0%	87.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
17.5	10.00	0.15	0.10	0.30	500	400	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.8	92		NO FLUID LOSS LAST 24 HRS										

Well Name:ROCK HOUSE 10-23-11-30																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County,State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:					District:		Northern						
Daily Summary																		
Activity Date :		5/11/2008			Days From Spud :		17			Current Depth :		8315 Ft			24 Hr. Footage Made :		651 Ft	
Rig Company :		BRONCO			Rig Name:		BRONCO # 23											
Formation :		Mesaverde			Weather:													
Operations																		
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run			
6:00	9.00	20	DRILL AND SLIDE F= 7664 T= 7917										7664	7917	2			
15:00	0.50	07	SERVICE RIG										7917	7917	2			
15:30	2.50	20	DRILL AND SLIDE F= 7917 T= 7970										7917	7970	2			
18:00	12.00	20	DRILL AND SLIDE F= 7970 T= 8315										7970	8315	2			
Total:		24.00																
Mud Properties																		
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand			
7698	7:00	10.30	10.30	42	8	17	16/30/43	13.0	0.0	3	0.00	13.0%	86.0%	2.0%	0.1%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss				
17.5	9.10	0.15	0.10	0.30	450	480	0	0.00	0.00	0	0	0.00	2/98	0				
Water Loss	LCM	ECD	FL Temp	UFT	Remarks													
0	0.0	10.7	92		NO FLUID LOSS LAST 24 HRS													
Daily Summary																		
Activity Date :		5/12/2008			Days From Spud :		18			Current Depth :		8352 Ft			24 Hr. Footage Made :		37 Ft	
Rig Company :		BRONCO			Rig Name:		BRONCO # 23											
Formation :		Mesaverde			Weather:													
Operations																		
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run			
6:00	1.00	20	DRILL AND SLIDE F= 8315 T= 8352										8315	8352	2			
7:00	11.00	05	CONDITION MUD BRING MUD WEIGHT UP TO 10.8 +										8352	8352	2			
18:00	0.50	05	MIX AND PUMP SLUG MUD WEIGHT @ 10.9+ 600-900 UNITS BACK GROUND GAS,										8352	8352	2			
18:30	0.50	05	LOSS CIRCULATION, LOST TOTAL 125BBL										8352	8352	2			
19:00	1.00	06	PULL 6 STDS										8352	8352	2			
20:00	2.00	05	BUILD AND PUMP 170 BBL LCM MUD										8352	8352	2			
22:00	1.00	06	PULL 8 STDS										8352	8352	2			
23:00	1.00	05	BUILD AND PUMP 159 BBL LCM MUD										8352	8352	2			
0:00	6.00	05	GOT RETURNS BACK, CIRCULATE AND CONDITION MUD AND BUILD VOLUME										8352	8352	2			
Total:		24.00																
Mud Properties																		
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand			
8352	10:30	10.60	10.60	42	11	16	15/26/34	14.0	0.0	2	0.00	16.0%	84.0%	2.0%	0.1%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss				
17.5	8.30	0.15	0.00	0.30	500	600	0	0.00	0.00	0	0	0.00	2/98	0				
Water Loss	LCM	ECD	FL Temp	UFT	Remarks													
0	0.0	11.0	92		LOST 454 BBLs, ESTABLISHED CIRCULATION BACK @ 24:00 WORKING ON MUD													

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	5/13/2008	Days From Spud :	19	Current Depth :	8352 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	6.00	05	CIRCULATE AND BUILD VOLUME, WORK ON GAS BUSTER, FLARE LINE.	8352	8352	2
12:00	0.50	06	TRIP IN 3 STDS	8352	8352	2
12:30	1.50	05	CIRCULATE BOTTOMS UP 20' FLARE	8352	8352	2
14:00	1.00	06	TIH 3 STDS, CIRCULATE 10 MIN TIH 3 MORE STDS	8352	8352	2
15:00	1.00	05	CIRCULATE OUT GAS ( 30'-40' FLARE) AND CONDITION MUD 9.6MW IN 9.4 MWOUT 44 VIS	8352	8352	2
16:00	0.50	06	TIH 2JTS OFF BOTTOM	8352	8352	2
16:30	0.50	03	WASH AND REAM TO BOTTOM 8352 NO FILL	8352	8352	2
17:00	1.00	05	CIRCULATE BRING UP MUD WEIGHT 9.7 IN 9.4 MW OUT VIS 46, 5000 UNITS GAS 30' FLARE	8352	8352	2
18:00	12.00	05	CIRCULATE AND CONDITION MUD BRING MUD WEIGHT UP TO 10.6 IN/OUT VIS 48 START MIX SLUG	8352	8352	2
Total:				24.00		

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8352	19:00	9.80	9.80	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
12.5	8.10	0.00	0.00	0.35	200	400	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.7	10		BUILD VOLUME, CONDITION MUD										

**Daily Summary**

Activity Date :	5/14/2008	Days From Spud :	20	Current Depth :	8352 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	1.00	05	CIRCULATE AND CONDITION MUD BRING MUD WEIGHT UP 10.6 GAS 1800 UNITS	8352	8352	2
7:00	1.00	06	TOOH W/ 5 STDS WET, HAD FLOW, KELLY UUP CIRCULATE	8352	8352	2
8:00	4.00	05	CIRCULATE 4300 UNITS GAS OUT BRING MUD WEIGHT UP TO 10.8 AROUND, VIS=45 GAS 440 UNITS	8352	8352	2
12:00	4.00	06	MAKE SHORT TRIP TO SHOE	8352	8352	2
16:00	0.50	07	SERVICE RIG, WATCH FOR FLOW	8352	8352	2
16:30	1.50	06	TIH TO 5100 KELLY UP AND BRAKE CIRCULATION	8352	8352	2
18:00	2.50	06	TIH TO 8300' KELLY UP BRAKE CIRCULATION	8352	8352	2
20:30	1.00	03	WASH AND REAM TO T.D. 8253' NO FILL, ONE TIGHT SPOT 20' OFF BOTTTOM.	8352	8352	2
21:30	4.50	05	CIRCULATE GAS OUT, 4000 UNITS MAX GAS. PUMP SWEEP, AND MIX SLUG, MW IN 11.1 OUT 11.0 PPG VIS= 42+	8352	8352	2
2:00	4.00	06	PUMP SLUG AND TOOH FOR LOGS	8352	8352	2
Total:				24.00		

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8352	19:00	10.80	10.80	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
12.5	8.10	0.00	0.00	0.35	200	400	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.7	90												

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/15/2008</b>	Days From Spud :	21	Current Depth :	8352 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	1.50	06	FINISH OUT OF HOLE TO DIR/ TOOLS	8352	8352	2
7:30	1.50	20	L/D DIR/TOOLS & BIT	8352	8352	2
9:00	1.50	11	HELD SAFETY MEETING/ RIG UP HES WIRELINE	8352	8352	2
10:30	3.50	11	LOG WELL ( TRIPLE COMBO) T.D. WLM= 8,339'	8352	8352	2
14:00	1.00	11	R/D HES WIRELINE	8352	8352	2
15:00	0.50	07	SERVICE RIG/ WATCH FOR FLOW	8352	8352	2
15:30	2.00	06	TIH TO 1861 KELLY UP	8352	8352	3
17:30	0.50	05	CIRCULATE	8352	8352	3
18:00	0.50	05	CIRCULATE AND WAIT ON ORDERS	8352	8352	3
18:30	2.00	06	TIH TO 5000	8352	8352	3
20:30	1.00	05	FILL PIPE &CIRCULATE BOTTOMS UP AND 4700 UNITS GAS OUT	8352	8352	3
21:30	1.00	06	TIH TO 6500	8352	8352	3
22:30	1.00	05	FILL PIPE & CIRCULATE BOTTOMS UP AND 5100 UNIT GAS OUT	8352	8352	3
23:30	2.00	06	TIH TO 8307	8352	8352	3
1:30	2.00	03	WASH AND REAM DOWN TO T.D. 8352 PIPE TALLY/ HELD BOP DRILL	8352	8352	3
3:30	2.50	05	CIRCULATE 5300 UNITS GAS OUT/ RU LAYDOWN CREW AND HELD SAFETY MEETING	8352	8352	3
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8352	19:00	11.30	11.30	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
12.5	8.10	0.00	0.00	0.35	200	500	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.7	90												

**Well Name:ROCK HOUSE 10-23-11-30**

Field Name:	Natural Buttes	S/T/R:	30/10S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>5/16/2008</b>	Days From Spud :	22	Current Depth :	8352 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	0.50	05	CHANGE OUT CREWS/ BOP DRILL	8352	8352	3
6:30	7.50	06	HSM W/ LAYDOWN CREW. PUMP SLUG & TOOH LAYING DOWN DRILL PIPE AND HWDP & BIT	8352	8352	3
14:00	1.50	22	PULL WEAR BUSHING/ R/U CASING CREW. HELD SAFETY MEETING.	8352	8352	3
15:30	5.00	12	RUN 4.5 PRODUCTION CASING, FILLING PIPE	8352	8352	NIH
20:30	0.50	05	CIRCULATE BOTTOMS UP	8352	8352	NIH
21:00	4.00	12	FINISH IN HOLE W/ 4.5 N-80 CASING TO 8322'	8352	8352	NIH
1:00	2.50	05	CIRCULATE AND CONDITION HOLE, RIG UP CEMENTERS ( PRO-PETRO) HELD SAFETY MEETING	8352	8352	NIH
3:30	2.50	12	PUMP 30 BBL H2O W/ CLAYFIX, 175 SKS LEAD TYPE 5 HIFILL, 1260 SKS TAIL 50/50 POZ, WASH UP ON TOP PLUG. PUMP 128.4 BBL DISPLACEMENT AND BUMP PLUG 500 PSI OVER. FLOATS HOLDING. BLEED OFF PRESSURE AND WASH UP	8352	8352	NIH

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8352	19:00	11.30	11.30	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
12.5	8.10	0.00	0.00	0.35	200	500	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.7	90												

**Daily Summary**

Activity Date :	<b>5/17/2008</b>	Days From Spud :	23	Current Depth :	8352 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	BRONCO			Rig Name:	BRONCO # 23		
Formation :	Mesaverde			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	0.50	12	RDMO PRO-PETRO	8352	8352	NIH
6:30	4.50	14	DROP SLIPS THRU BOP LAND CSG. LATCH RING WOULD NOT COME OFF. N/D SPOOL P/U BOP	8352	8352	NIH
11:00	0.50	21	CUT OFF 4.5" CSG	8352	8352	NIH
11:30	3.50	14	CLEAN PITS, HANG BOP FROM SUB, ATTEMPT TO PULL DRILLING FLANGE	8352	8352	NIH
15:00	3.00	01	R/D YARD AND PREPARE TO SKID, TAKE OFF DRILLING FLANGE.	8352	8352	NIH
18:00	12.00	01	RIG DOWN, GET BACK YARD READY FOR TRUCKS., TRY TO SKID RIG. TROUBLE SHOOT HYDRAULICS	8352	8352	NIH

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8352	19:00	11.30	11.30	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
12.5	8.10	0.00	0.00	0.35	200	500	0	0.00	0.00	0	0	0.00	2/98	0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	10.7	90												

Well Name:ROCK HOUSE 10-23-11-30																		
Field Name:		Natural Buttes			S/T/R:		30/10S/23E			County,State:		UINTAH, UT						
Operator:		Enduring Resources, LLC			Location Desc:					District:		Northern						
Daily Summary																		
Activity Date :		5/18/2008			Days From Spud :		24			Current Depth :		8352 Ft			24 Hr. Footage Made :		0 Ft	
Rig Company :		BRONCO			Rig Name:		BRONCO # 23											
Formation :					Weather:													
Operations																		
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run			
6:00	12:00	01	SKID RIG FORWARD 30', RIG DOWN BACK YARD.										8352	8352	NIH			
Total:		12:00																
Mud Properties																		
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand			
8352	19:00	11.30	11.30	48	17	13	8/18/24	14.0	0.0	2	0.00	10.0%	90.0%	2.0%	0.1%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss				
12.5	8.10	0.00	0.00	0.35	200	500	0	0.00	0.00	0	0	0.00	2/98	0				
Water Loss	LCM	ECD	FL Temp	UFT	Remarks													
0	0.0	10.7	90															

Formation									
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments				
Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
4/30/2008	2086	51	3. Surface	9.625	36	J-55	0	12.25	2086
Stage: 1, Lead, 0, 200, HI-FILL, Other, 3.82, 11									
Stage: 1, Tail, 0, 225, , Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 175, , Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 50, , Class G, 1.15, 15.8									
5/10/2008	8322.09	213	5. Production	4.5	11.6	N-80	0	7.875	8352
Stage: 1, Lead, 0, 175, HI-FILL, TYPE-5, 3.28, 11									
Stage: 1, Tail, 0, 1260, 50/50, Pozmix, 1.26, 14.2									
Stage: 1, Displacement, 128.4, 0, FRESH WATER W/ CLAYFIX, , 0, 0									

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

**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: UTU-76281
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 860' FNL - 1862' FWL BHL=NWNW QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 30 10S 23E S		8. WELL NAME and NUMBER: Rock House 10-23-11-30
PHONE NUMBER: (303) 350-5719		9. API NUMBER: 4304738132
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Undesignated

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: 10/3/2008	<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 checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Confirmation of</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Commingling.</u>

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

August 22, 2008 First Gas Sales.

Well was commingled during initial completion.

NAME (PLEASE PRINT) <u>Alvin R. (AI) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>10/3/2008</u>

(This space for State use only)

RECEIVED

OCT 06 2008

DIV. OF OIL, GAS & MINING