

**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: <b>ML-50085</b>	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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: <b>Enduring Resources, LLC</b>			9. WELL NAME and NUMBER: <b>Hanging Rock 11-23-44-36</b>	
3. ADDRESS OF OPERATOR: <b>475 17th St., Ste 1500</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80220</b>		PHONE NUMBER: <b>(303) 350-5114</b>	10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>	
4. LOCATION OF WELL (FOOTAGES)  AT SURFACE: <b>607' FSL - 524' FEL</b>  AT PROPOSED PRODUCING ZONE: <b>Same</b>			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESE 36 11S 23E</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>26.8 South of Bonanza, UT</b>			12. COUNTY: <b>Uintah</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>524'</b>	16. NUMBER OF ACRES IN LEASE: <b>640</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40 acres</b>		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>1000' +</b>	19. PROPOSED DEPTH: <b>6,620</b>	20. BOND DESCRIPTION: <b>RLB0008031</b>		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>5928' RT-KB</b>	22. APPROXIMATE DATE WORK WILL START: <b>8/1/2006</b>	23. ESTIMATED DURATION: <b>20 days</b>		

**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	183 sxs	3.50 11.1
			Premium Tail	183 sxs	1.15 15.8
7-7/8"	4-1/2" N-80 11.6#	6,620	Class G	43 sxs	3.3 11.0
			50/50 Poz Class G	809 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 6/6/2006

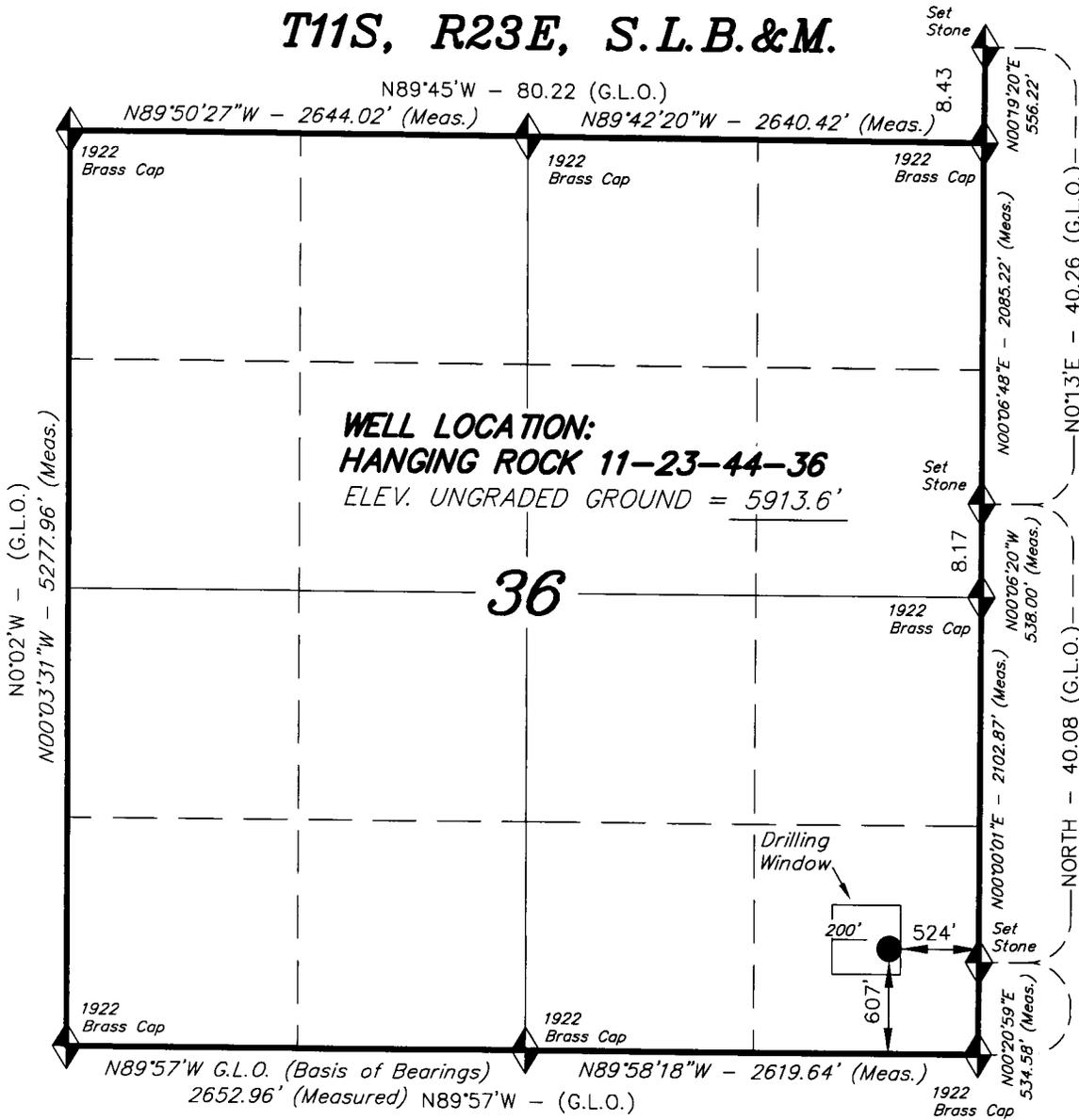
(This space for State use only)

API NUMBER ASSIGNED: 13-047-38275

APPROVAL:

**RECEIVED**  
**JUN 12 2006**  
DIV. OF OIL, GAS & MINING

**T11S, R23E, S.L.B.&M.**



**WELL LOCATION:  
HANGING ROCK 11-23-44-36**  
ELEV. UNGRADED GROUND = 5913.6'

**36**

Drilling Window

200'

524'

607'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min  
QUAD (ARCHY BENCH SE)

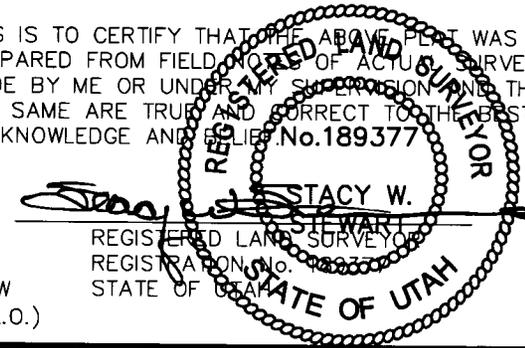
**HANGING ROCK 11-23-44-36**  
**(Surface Location) NAD 83**  
LATITUDE = 39° 48' 40.91"  
LONGITUDE = 109° 17' 02.99"

**ENDURING RESOURCES**

WELL LOCATION, HANGING ROCK  
11-23-44-36, LOCATED AS SHOWN IN  
THE SE 1/4 SE 1/4 OF SECTION 36,  
T11S, R23E, S.L.B.&M. UTAH COUNTY,  
UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



N0°03'W  
8.09 (G.L.O.)

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE DRAWN: 05-31-06	SURVEYED BY: K.G.S.	SHEET <b>2</b>
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	OF 10



***Enduring Resources***

475 17<sup>th</sup> Street Suite 1500 Denver Colorado 80202  
Telephone 303 573-1222 Fax 303 573 0461

June 7, 2006

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

Attn.: Ms. Diana Whitney

RE: Enduring Resources, LLC  
Hanging Rock 11-23-44-36  
SE-SE 36-11S-23E  
State Lease: ML-50085  
Uintah County, Utah

Dear Ms. Whitney:

Enclosed are two original applications to drill concerning the above-referenced proposed well. This information was also submitted to SITLA.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

**ENDURING RESOURCES, LLC**

Alvin R. (Al) Arlian  
Landman-Regulatory Specialist

ara  
Enclosures:

cc: SITLA w/ attachments

**RECEIVED**  
**JUN 12 2006**  
DIV. OF OIL, GAS & MINING

**Enduring Resources, LLC  
Hanging Rock 11-23-44-36  
SE-SE 36-11S-23E  
Uintah County, Utah  
State Lease: ML-50085**

**ONSHORE ORDER 1 - DRILLING PLAN**

**1. Estimated Tops of Geological Markers:**

Formation	Depth (K.B.)
Uinta	Surface
Green River	2088
Wasatch	2588
Mesaverde	4050

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

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5928'	
Oil / Gas	Green River	2088
Oil /Gas	Wasatch	2588
Oil /Gas	Mesaverde	4050
	Estimated TD	6620

A 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 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 6620' (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)
6620' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.85 (d)	7780/2.46 (e)	223/3.38(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	472	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	43	25	11.0	3.3
4-1/2"	Tail	4432	50/50 POZ Class G + 2% gel + 1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	809	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'-6620' (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 3,442 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 1,986 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. Variances:**

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.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

### **Directions to the Hanging Rock 11-23-44-36 Well Pad**

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza traveling south on state highway 45 for a distance of approximately 5.7 miles where there is a turn-off to the right. Turn right, leaving state highway 45, and proceed southwest for a distance of approximately 5.1 miles (3.2 + 1.9 as shown on Topo "A"). The road then turns to the west; proceed northwesterly along said road for a distance of approximately 3.7 miles. Said road then turns to the southwest; proceed southwesterly then westerly for a distance of approximately 3.2 miles where the road forks. Turn left and bear southerly along the Asphalt Wash road for a distance of 3.0 miles where the road forks near a landing strip. Stay right, and continue south along the West Fork road for a distance of approximately 6.1 miles to the proposed access for the Hanging Rock 11-23-44-36 well pad. Turn left onto proposed access and continue easterly for approximately 4,680' ( $\pm 0.9$  miles) to the proposed Hanging Rock 11-23-44-36 well pad.

# Enduring Resources, LLC

**Hanging Rock 11-23-44-36**  
SE- SE-36- 1S-23E  
Uintah County, Utah  
State Lease: ML-50085

## MULTI-POINT SURFACE USE & OPERATIONS PLAN

### 1. Existing Roads:

Directions to the Hanging Rock 11-23-44-36 Well Pad

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza traveling south on state highway 45 for a distance of approximately 5.7 miles where there is a turn-off to the right. Turn right, leaving state highway 45, and proceed southwest for a distance of approximately 5.1 miles (3.2 + 1.9 as shown on Topo "A"). The road then turns to the west; proceed northwesterly along said road for a distance of approximately 3.7 miles. Said road then turns to the southwest; proceed southwesterly then westerly for a distance of approximately 3.2 miles where the road forks. Turn left and bear southerly along the Asphalt Wash road for a distance of 3.0 miles where the road forks near a landing strip. Stay right, and continue south along the West Fork road for a distance of approximately 6.1 miles to the proposed access for the Hanging Rock 11-23-44-36 well pad. Turn left onto proposed access and continue easterly for approximately 4,680' ( $\pm$  0.9 miles) to the proposed Hanging Rock 11-23-44-36 well pad.

### 2. Planned Access Roads:

The proposed access road will be approximately 4,680 feet of new construction all on-lease. All off-lease access is on an existing county road (Asphalt Wash Road #4160).

ALL NEW CONSTRUCTION IS ON SITLA LANDS.

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. | (8):  | Pending (staked) Wells:                                   |
|    |       | i. Enduring has eight other wells staked in this section. |

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 designated by DOG&M and SITLA. 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 this well will be:

4,680'	Surface Pipeline	On-Lease	SITLA
-0-	Surface Pipeline	Off-Lease	n/a

If this well is capable of economic production, a 4" (or less) steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 4,680 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road to tie-in to a steel surface pipeline that is located next to the county road.

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	<b>T11S-R23E</b>	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 will 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 is 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 stockpiles(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.
- b. Immediately upon well completion any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- 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:**

To be provided by the DOG&M and/or SITLA.

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

Wellsite: SITLA

Access: SITLA

Pipeline: SITLA

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

The on-site will be scheduled by SITLA and DOG&M.

**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.

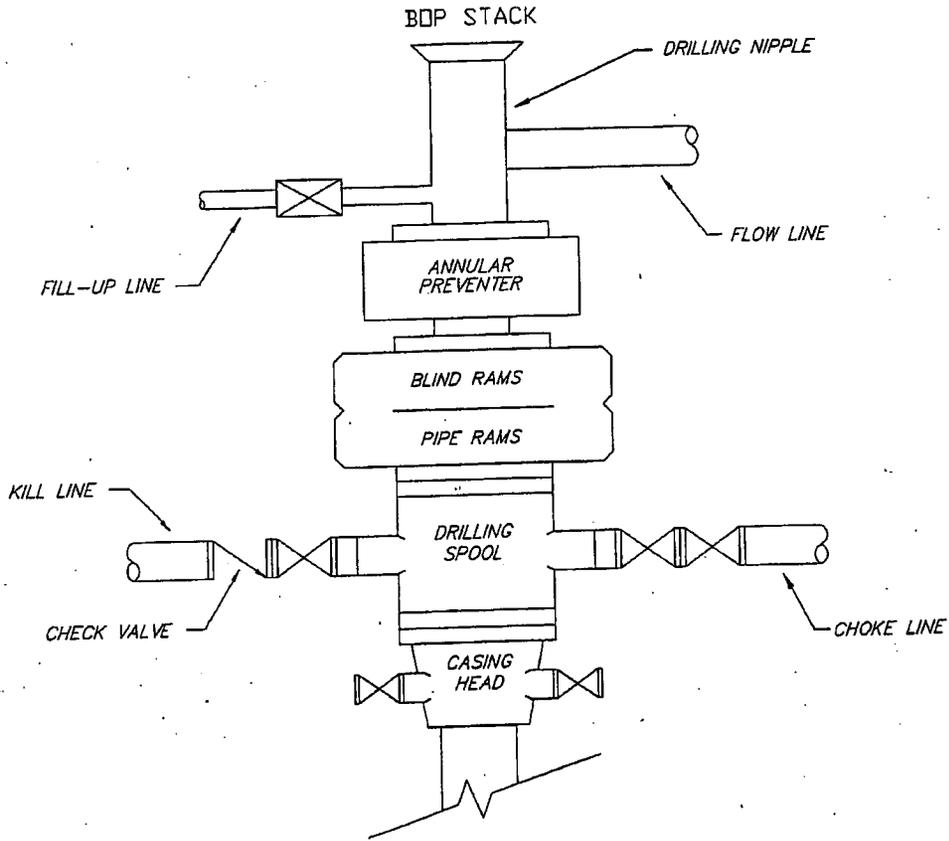
**13, Lessee's or Operator's Representatives:****Representatives:**

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  
[aarlian@enduringresources.com](mailto:aarlian@enduringresources.com)

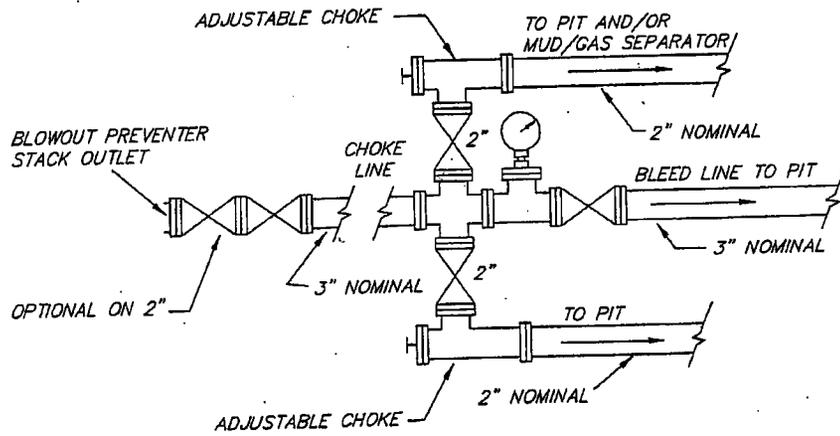
Teme Singleton  
Drilling Engineer  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-573-5711  
Fax Tel: 303-573-0461  
[tsingleton@enduringresources.com](mailto:tsingleton@enduringresources.com)

**ENDURING RESOURCES, LLC**

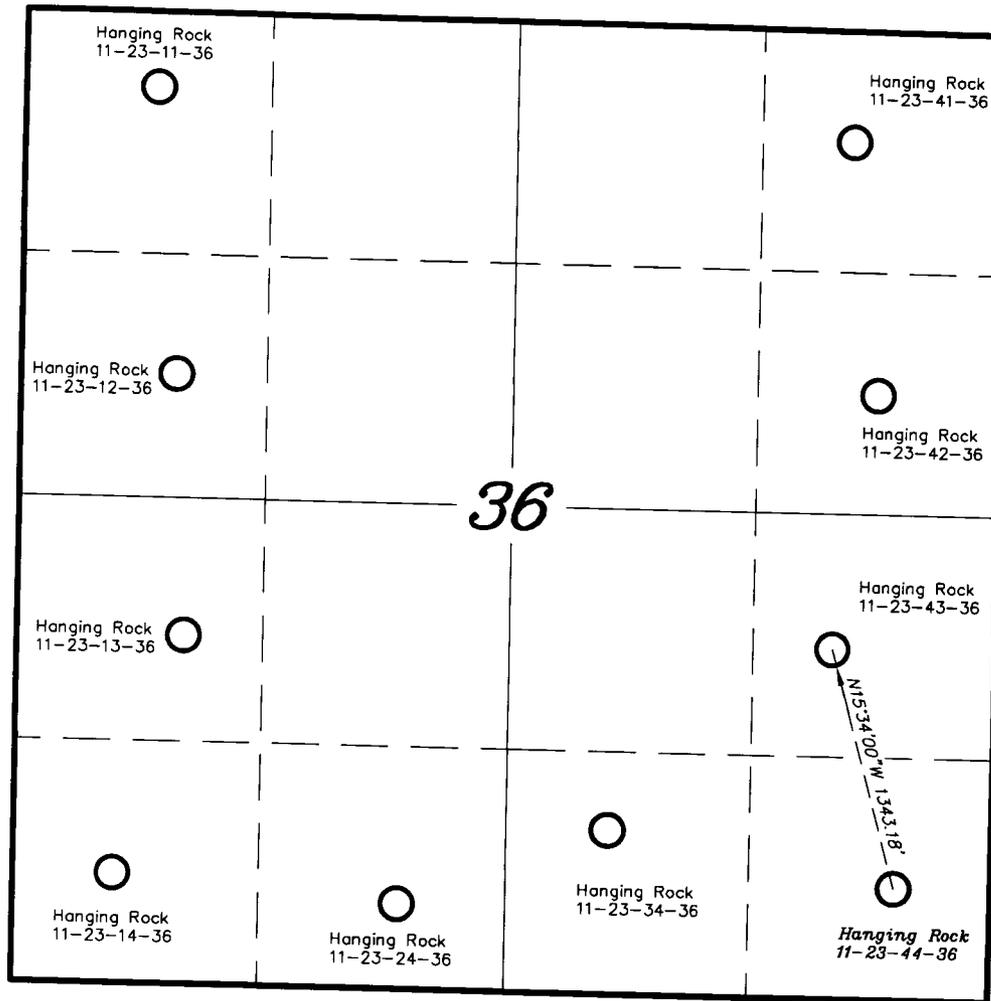
*TYPICAL 3,000 p.s.i.  
BLOWOUT PREVENTER SCHEMATIC*



*TYPICAL 3,000 p.s.i.  
CHOKE MANIFOLD SCHEMATIC*



T11S, R23E, S.L.B.&M.



ENDURING RESOURCES

SECTION DRILLING MAP  
Hanging Rock 11-23-44-36



LEGEND

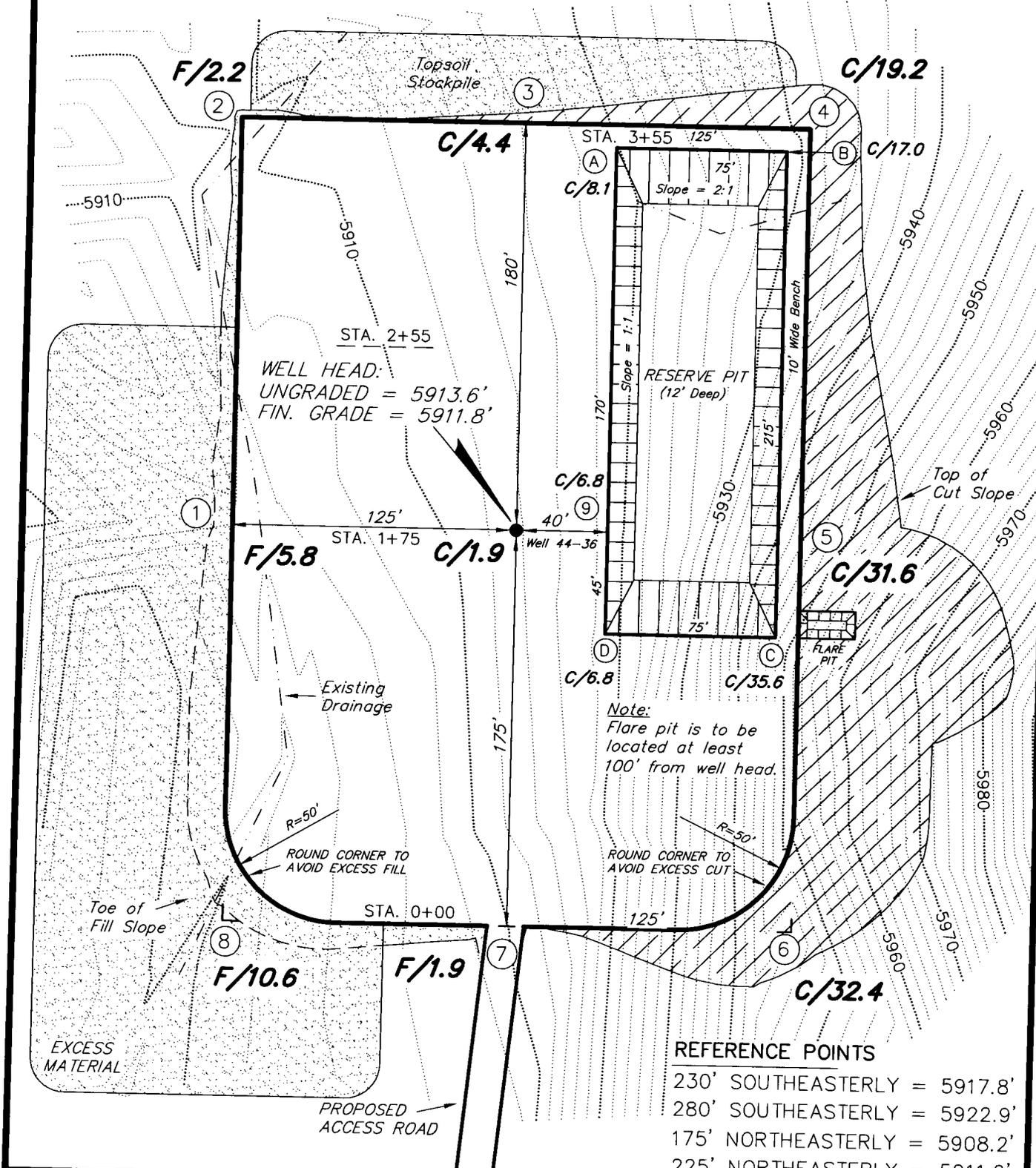
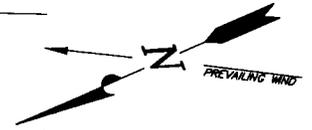
- = Vertical Well
- ⊙ = Directional Well (Bottom Hole)

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE DRAWN: 05-31-06	SURVEYED BY: K.G.S.	<b>SHEET</b> <b>1</b> <b>OF 10</b>
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	

# ENDURING RESOURCES

HANGING ROCK 11-23-44-36  
Section 36, T11S, R23E, S.L.B.&M.



*Note:*  
Flare pit is to be located at least 100' from well head.

REFERENCE POINTS

230' SOUTHEASTERLY	= 5917.8'
280' SOUTHEASTERLY	= 5922.9'
175' NORTHEASTERLY	= 5908.2'
225' NORTHEASTERLY	= 5911.6'

SURVEYED BY: K.G.S.	DATE DRAWN: 05-31-06
DRAWN BY: F.T.M.	SCALE: 1" = 60'
NOTES:	

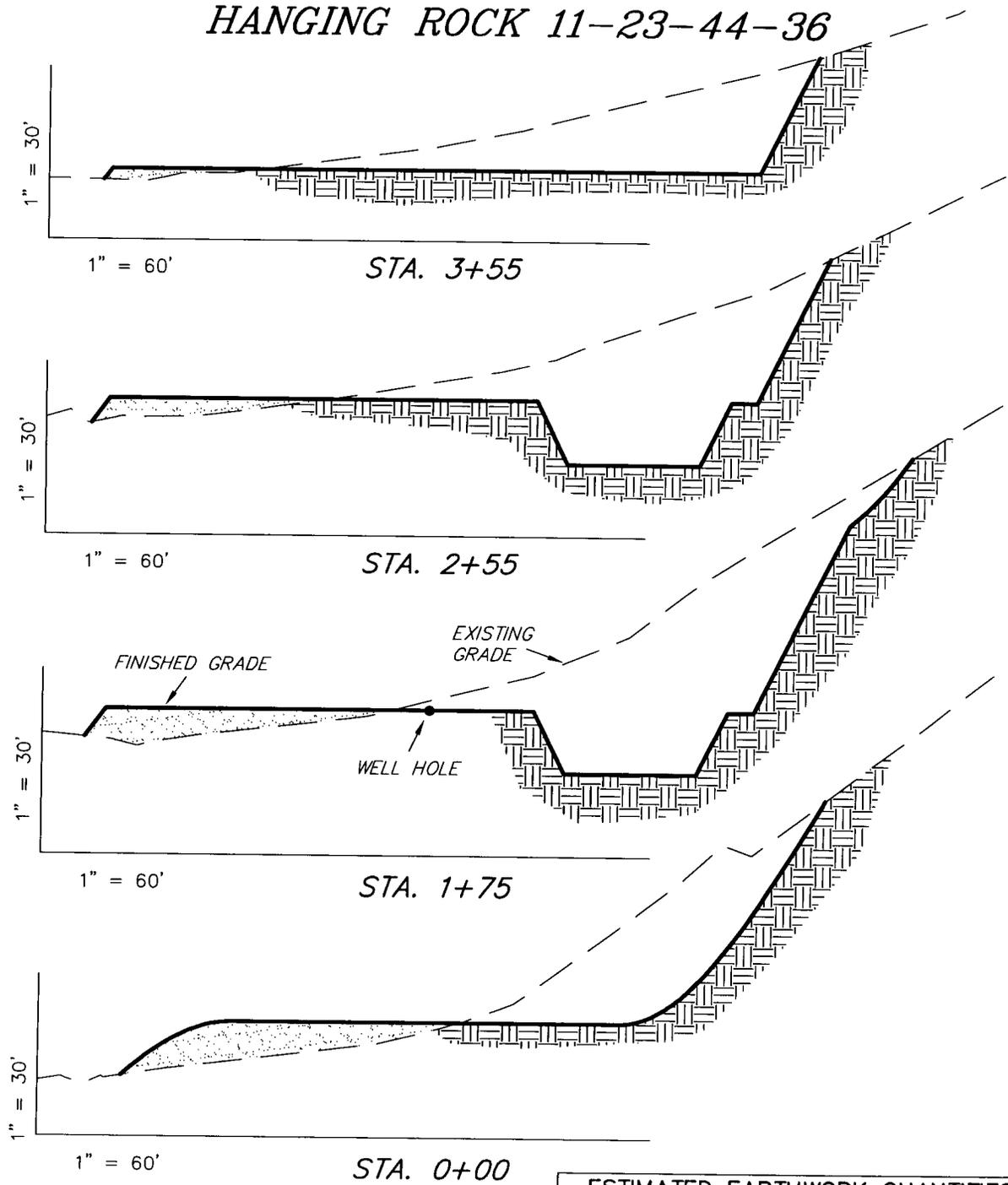
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET  
**3**  
OF 10

# ENDURING RESOURCES

## CROSS SECTIONS

### HANGING ROCK 11-23-44-36



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	34,270	7,330	Topsoil is not included in Pad Cut	26,940
PIT	5,390	0		5,390
<b>TOTALS</b>	<b>39,660</b>	<b>7,330</b>	<b>2,130</b>	<b>32,330</b>

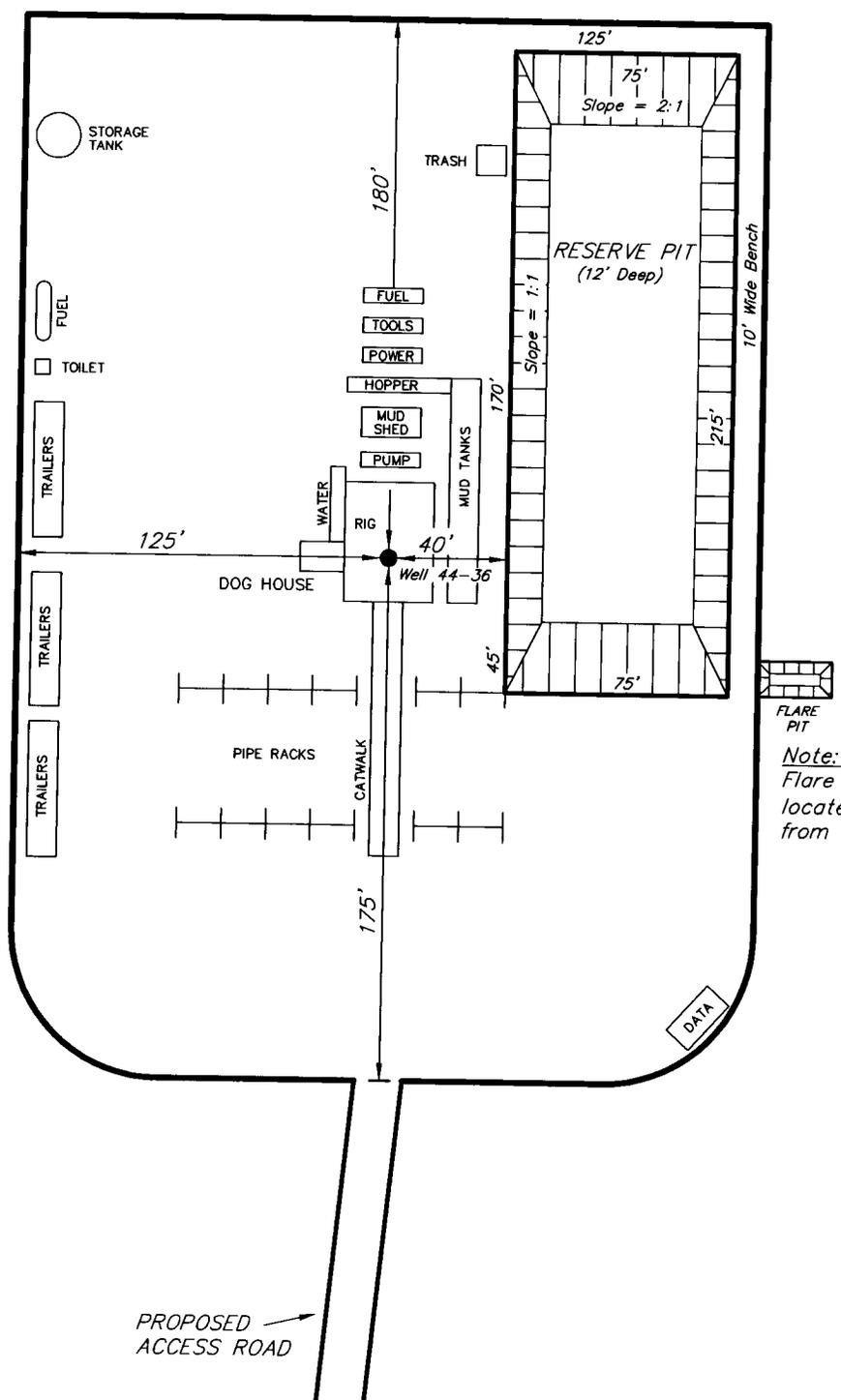
NOTE:  
 UNLESS OTHERWISE NOTED  
 CUT SLOPES ARE AT 1:1  
 FILL SLOPES ARE AT 1.5:1

SURVEYED BY: K.G.S.    DATE DRAWN: 05-31-06  
 DRAWN BY: F.T.M.    SCALE: 1" = 60'  
 NOTES:

**Tri State** Land Surveying, Inc.    (435) 781-2501  
 180 NORTH VERNAL AVE.    VERNAL, UTAH 84078

SHEET  
**4**  
 OF 10

**ENDURING RESOURCES**  
**TYPICAL RIG LAYOUT**  
**HANGING ROCK 11-23-44-36**



Note:  
 Flare pit is to be located at least 100' from well head.

SURVEYED BY: K.G.S.	DATE DRAWN: 05-31-06
DRAWN BY: F.T.M.	SCALE: 1" = 60'
NOTES:	

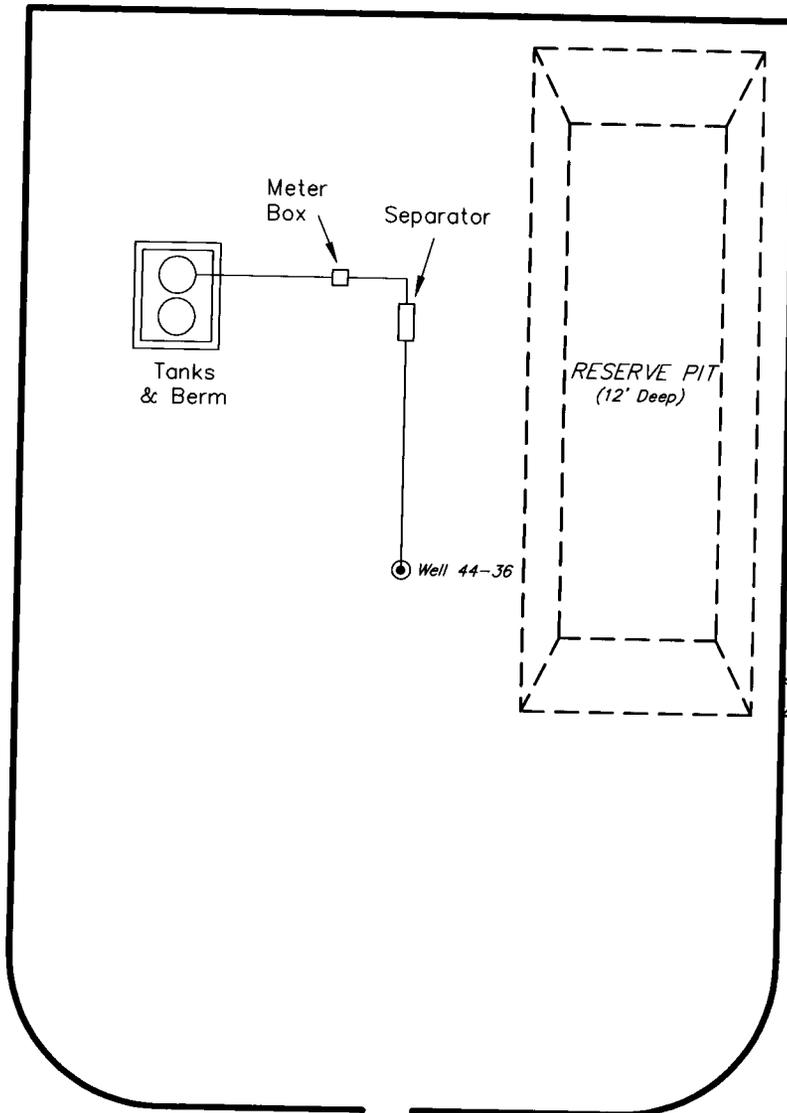
**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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**SHEET 5 OF 10**

*ENDURING RESOURCES*  


---

*PRODUCTION SCHEMATIC*  
*HANGING ROCK 11-23-44-36*



FLARE  
PIT

Note:  
 Flare pit is to be  
 located at least  
 100' from well head.

PROPOSED  
ACCESS ROAD

SURVEYED BY: K.G.S.	DATE DRAWN: 05-31-06
DRAWN BY: F.T.M.	SCALE: 1" = 60'
NOTES:	

*Tri State*  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

SHEET  
**6**  
 OF 10



**ENDURING RESOURCES**

**Hanging Rock 11-23-44-36  
Sec. 36, T11S, R23E, S.L.B.&M.**

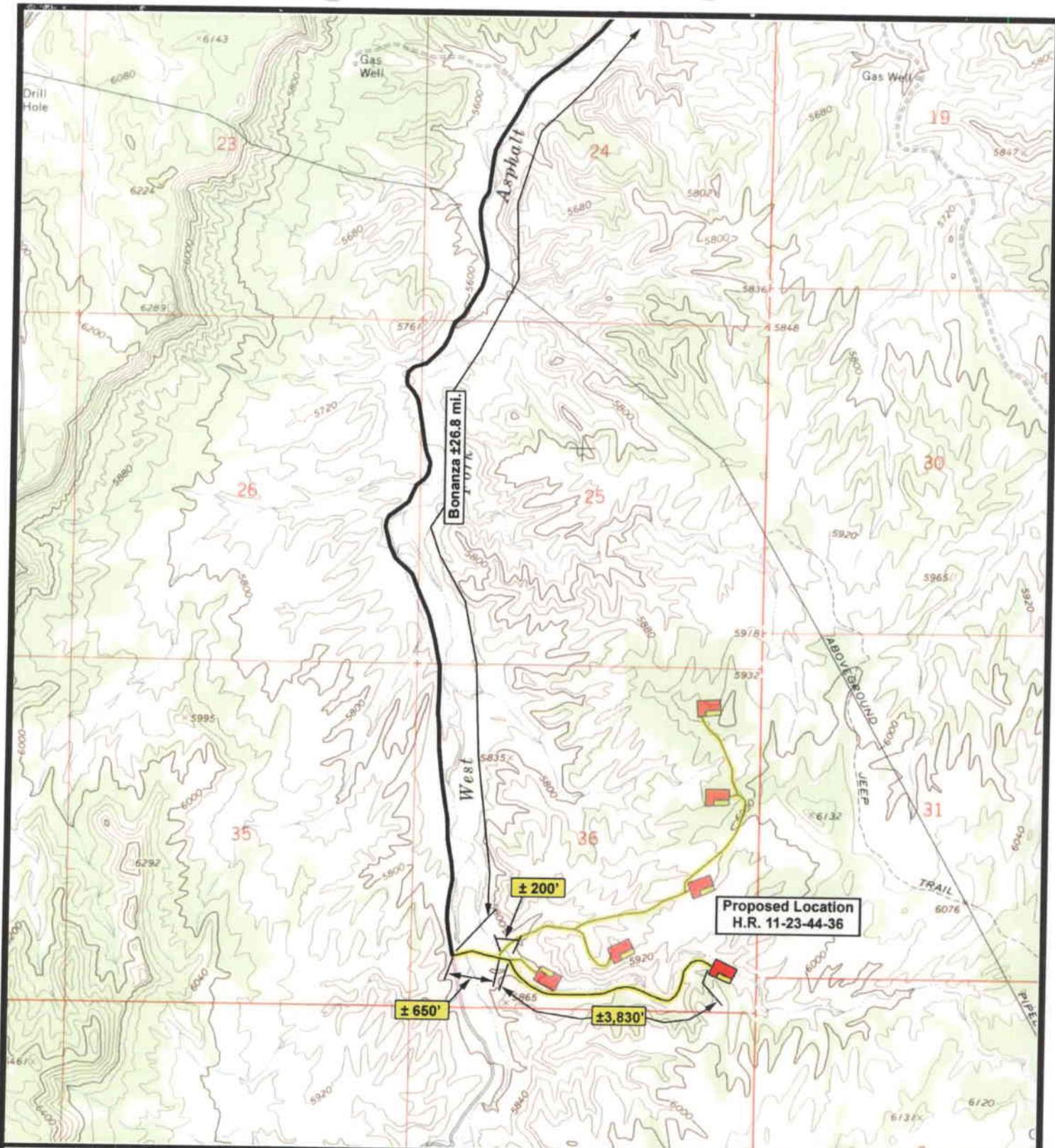


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 : 100,000  
DRAWN BY: mw  
DATE: 05-31-2006

**Legend**  
 Existing Road  
 Proposed Access

TOPOGRAPHIC MAP SHEET  
**"A"** **7**  
 OF 10



**ENDURING RESOURCES**

**Hanging Rock 11-23-44-36**  
**Sec. 36, T11S, R23E, S.L.B.&M.**

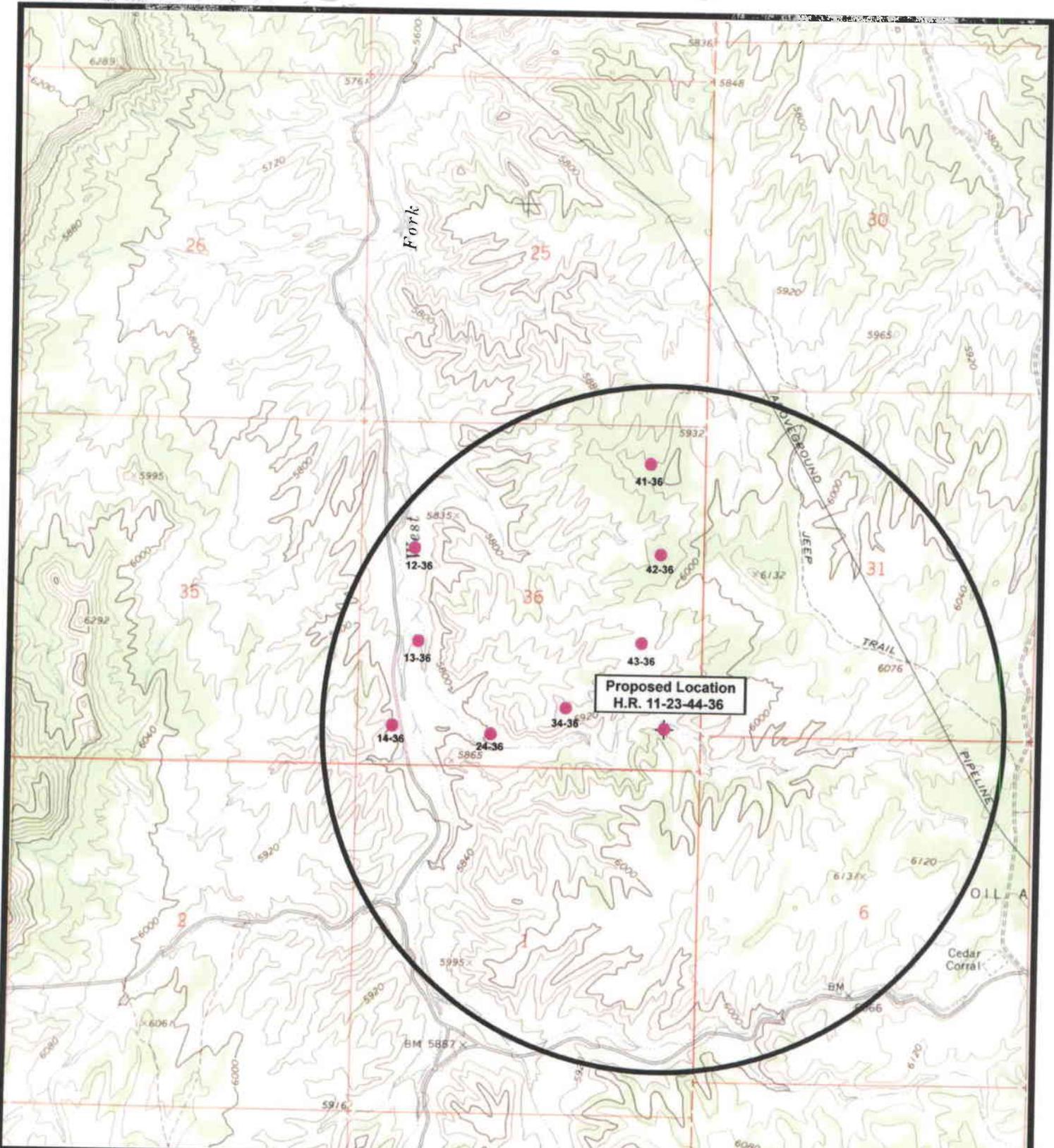


**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 05-31-2006

Legend	
	Existing Road
	Proposed Access

TOPOGRAPHIC MAP  
**"B"**  
 SHEET **8**  
 OF 10



**ENDURING RESOURCES**

**Hanging Rock 11-23-44-36  
Sec. 36, T11S, R23E, S.L.B.&M.**



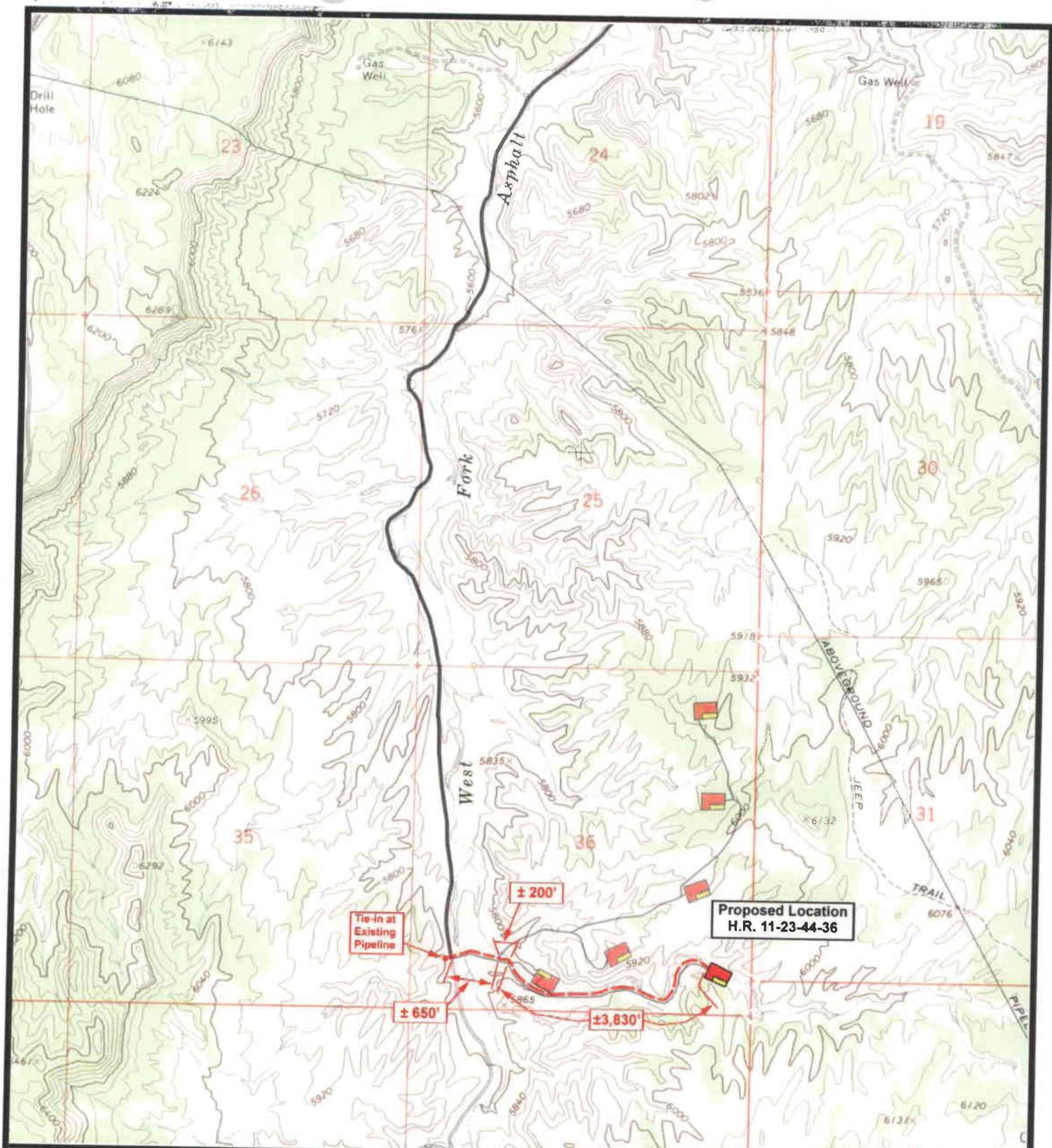
**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-31-2006

**Legend**

- Location
- One-Mile Radius

TOPOGRAPHIC MAP  
**"C"**  
SHEET **9**  
OF 10



**ENDURING RESOURCES**

**Hanging Rock 11-23-44-36  
Sec. 36, T11S, R23E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-31-2006

**Legend**

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP  
**"D"**  
SHEET **10**  
OF 10



**CENTER STAKE**

  
**ENDURING RESOURCES**  
**H.R. 11-23-44-36**

Date Photographed: 05/16/2006  
Date Drawn: 05/31/2006  
Drawn By: mw

  
**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078



NORTH

  
**ENDURING RESOURCES**  
**H.R. 11-23-44-36**

Date Photographed: 05/16/2006  
Date Drawn: 05/31/2006  
Drawn By: mw

  
**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

EAST





SOUTH

  
ENDURING RESOURCES

H.R. 11-23-44-36

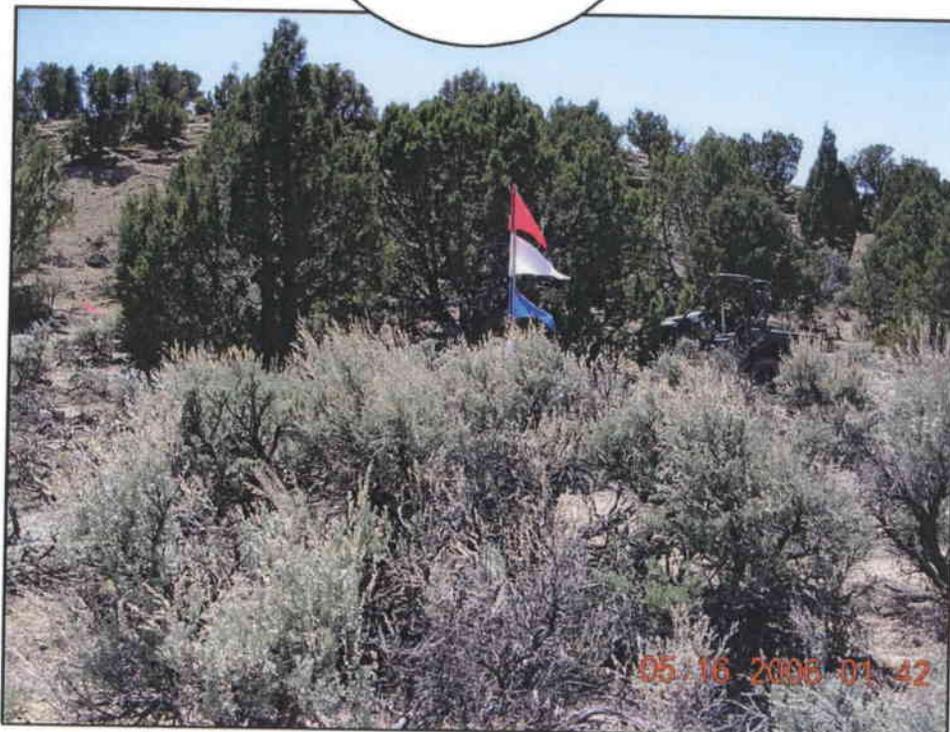
Date Photographed: 05/16/2006

Date Drawn: 05/31/2006

Drawn By: mw

  
Tri-State  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

WEST



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/12/2006

API NO. ASSIGNED: 43-047-38275

WELL NAME: HANGING ROCK 11-23-44-36  
 OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  
 CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

SESE 36 110S 230E  
 SURFACE: 0607 FSL 0524 FEL  
 BOTTOM: 0607 FSL 0524 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.81136 LONGITUDE: -109.2835  
 UTM SURF EASTINGS: 646934 NORTHINGS: 4408020  
 FIELD NAME: OIL SPRINGS ( 635 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	D.C.D.	7/20/06
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-50085  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] 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 (06-22-06)

STIPULATIONS: 1 - Spacing Strip  
2 - STATEMENT OF BASIS  
3 - Surface Csg Cont Strip

HANGING ROCK  
FED H 25-13

T11S R24E

T11S R23E

HANGING ROCK  
II-23-II-36

HANGING ROCK  
II-23-4F-36

HANGING ROCK  
II-23-42-36

HANGING ROCK  
II-23-42-36

36

HANGING ROCK  
II-23-I3-36

HANGING ROCK  
II-23-43-36

### OIL SPRINGS FIELD

HANGING ROCK  
II-23-34-36

HANGING ROCK  
II-23-44-36

HANGING ROCK  
II-23-24-36

HANGING ROCK  
II-23-44-36

T12S R24E

T12S R23E

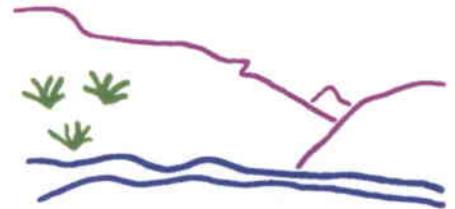
OPERATOR: ENDURING RES LLC (N2750)

SEC: 36 T. 11S R. 23E

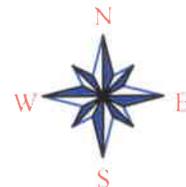
FIELD: OIL SPRINGS (635)

COUNTY: Uintah

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 20-JUNE-2006

- 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



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

**OPERATOR:** ENDURING RESOURCES, LLC  
**WELL NAME & NUMBER:** Hanging Rock 11-23-44-36  
**API NUMBER:** 43-047-38275  
**LEASE:** ML-50085      **FIELD/UNIT:** Undesignated  
**LOCATION:** 1/4,1/4 SE/SE Sec: 36 TWP: 11S RNG: 23E; 607' FSL 524' FEL  
**LEGAL WELL SITING:** 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.  
**GPS COORD (UTM):** 0646935 E, 4408024 N      **SURFACE OWNER:** State of Utah-SITLA

**PARTICIPANTS**

Floyd Bartlett (DOGM), Douglas Hammond (Enduring Resources), Larry Rowell (Ponderosa Oilfield Services), Jim Davis (SITLA), Ben Williams (UDWR), Chris Stewart and Cameron Stewart (TRI-State Land Surveying and Consulting)

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

The location is approximately 27 road miles south west of Bonanza Ut, and approximately 65 miles southeast of Vernal, UT. Access from Vernal, UT is by Utah State Highways and Uintah County roads to the Uintah County Kings Well and Wolf Den roads to where a new road will be constructed east to the RH 11-23-24-36 location. Leaving this road, approximately 3,830 feet of additional road will be constructed.

Topography in the general area is broad canyon bottoms separated by frequently steep and often ledgey side-slopes, which top-out onto broad ridge tops. Frequent outwash plains and deposits occur along the sides of the major bottoms. West Fork of Asphalt Wash is a broad somewhat gentle alluvial wash, which is dry except for spring runoff and sometimes-intense summer rainstorms.

The proposed Hanging Rock 11-23-44-36 well lies on the sloping side-hill of a relatively gentle side drainage east of the main drainage of West Fork of Asphalt Wash. The southeast portion of the location is within juniper and is moderately steep. An existing drainage on the north part of the location will be re-routed around the fill. Immediately north of the location is a low ridge with exposed sandstone cliffs. To reach the location, approximately 3,820 feet of road will be constructed leading off the road planned for the RH 11-23-24-36 well. The White River is approximately 10 miles down-drainage to the north.

**SURFACE USE PLAN**

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

PROPOSED SURFACE DISTURBANCE: 3,820 feet of new access road and construction of a well location 355'x 290' including the reserve pit, with the soil stockpile storage outside this area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Eight other wells are

planned within this State section. See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling the well. It is planned to tie the pipeline in with the pipeline planned for the RH 11-23-24-36 well. Approximate length will be 3,820 feet, following the access road.

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.

#### **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: Big sage brush and pinion juniper types. Cheat grass exists under the big sagebrush. Pronghorn, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: Light brown deep sandy loam with a few small surface rock.

EROSION/SEDIMENTATION/STABILITY: Light natural erosion is occurring on the site. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Survey completed by I.P.C. on 06-13-06 and will be furnished for the file.

#### **RESERVE PIT**

CHARACTERISTICS: 170' by 75' and 12' deep. The reserve pit is planned in an area of cut on the south east corner of the location. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score is 20 and a rating Level II. Doug Hammond said it would be lined with a 16 mil liner.

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

As per landowner agreement with SITLA.

SURFACE AGREEMENT: SITLA

CULTURAL RESOURCES/ARCHAEOLOGY: A survey was completed by MOAC on 06-05-06 and will be furnished for the file.

**OTHER OBSERVATIONS/COMMENTS**

Ben Williams representing the UDWR and Jim Davis of SITLA were invited to the pre-site by e-mail on June 19<sup>th</sup>. Both were in attendance.

Mr. Williams stated the area is classified as high value winter habitat for both deer and elk. To reduce the disturbance to these species during this critical period, he recommended to Mr. Hammond and Mr. Davis a restriction period from November 15 to April 15<sup>th</sup> where no construction or drilling including work-over rigs occur. Mr. Williams also gave Mr. Hammond and Mr. Davis a copy of this evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

ATV's were used to access the site.

This pre-drill investigation was conducted on a hot sunny day.

**ATTACHMENTS**

Photos of site have been taken and placed on file.

Floyd Bartlett  
DOGM REPRESENTATIVE

06/22/2006 11:00 AM  
DATE/TIME

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

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	
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>00</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>

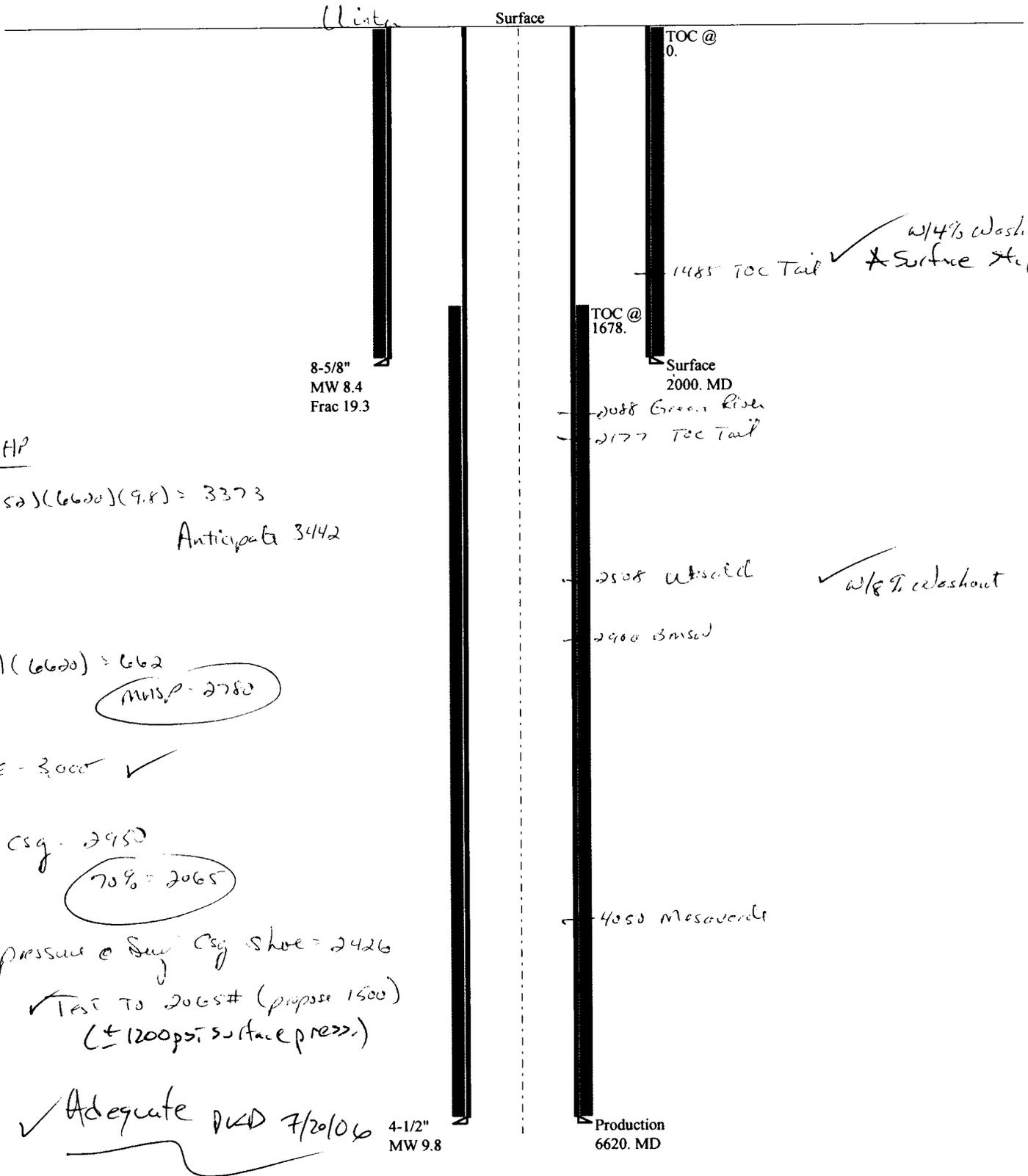
**Final Score**            20            (Level II Sensitivity)

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.

-06 Enduring Hanging Rock -23-44-36  
Casing Schematic



BHP

$$(0.052)(6620)(9.8) = 3373$$

Anticipate 3442

GWS

$$(0.10)(6620) = 662$$

MWS.P. = 2780

ROPE - 3000 ✓

Surf csq. 2950

70% = 2065

Max pressure @ Surf csq shoe = 2426

✓ Test to 2065# (propose 1500)  
(± 1200psi surface press.)

✓ Adequate DWD 7/20/06

Well name:	<b>07-06 Enduring Hanging Rock 11-23-44-36</b>		
Operator:	<b>Enduring Resource, LLC</b>		
String type:	Surface	Project ID:	43-047-38275
Location:	Uintah County		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,760 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 2,000 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on buoyed weight.

Neutral point: 1,748 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 103 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 500 ft

Cement top: Surface

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,620 ft  
 Next mud weight: 9.800 ppg  
 Next setting BHP: 3,370 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,000 ft  
 Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	24.00	J-55	ST&C	2000	2000	7.972	96.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	2000	2950	1.48	42	244	5.82 J

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

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

Date: July 10, 2006  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	<b>07-06 Enduring Hanging Rock 11-23-44-36</b>	
Operator:	<b>Enduring Resource, LLC</b>	Project ID:
String type:	Production	43-047-38275
Location:	Uintah County	

**Design parameters:**

**Collapse**

Mud weight: 9.800 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,077 psi  
 Internal gradient: 0.346 psi/ft  
 Calculated BHP: 3,370 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on buoyed weight.  
 Neutral point: 5,650 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 168 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 1,678 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6620	4.5	11.60	N-80	LT&C	6620	6620	3.875	153.5
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3370	6350	1.884	3370	7780	2.31	66	223	3.40 J

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

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

Date: July 10, 2006  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6620 ft, a mud weight of 9.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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



**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*

July 27, 2006

Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202

Re: Hangin Rock 11-23-44-36 Well, 607' FSL, 524' FEL, SE SE, Sec. 36,  
T. 11 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 43-047-38275.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

mf  
Enclosures

cc: Uintah County Assessor  
SITLA

**Operator:** Enduring Resources, LLC  
**Well Name & Number** Hanging Rock 11-23-44-36  
**API Number:** 43-047-38275  
**Lease:** ML-50085

**Location:** SE SE                      **Sec.** 36                      **T.** 11 South                      **R.** 23 East

### Conditions of Approval

1. **General**

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

2. **Notification Requirements**

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

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

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

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

3. **Reporting Requirements**

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

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

5. 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.
6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
7. Surface casing shall be cemented to the surface.

**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: ML-50085	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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: Hanging Rock 11-23-44-36	
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>Dino Springs</i> <sup>635</sup>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 607' FSL - 524' FEL <i>646934X 39.811358</i> AT PROPOSED PRODUCING ZONE: <i>4408020Y Same - 109.283452</i>			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 36 11S 23E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 26.8 South of Bonanza, UT			12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 524'	16. NUMBER OF ACRES IN LEASE: 640	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' +	19. PROPOSED DEPTH: 6,620	20. BOND DESCRIPTION: RLB0008031		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5928' RT-KB	22. APPROXIMATE DATE WORK WILL START: 8/1/2006	23. ESTIMATED DURATION: 20 days		

**24. PROPOSED CASING AND CEMENTING PROGRAM**

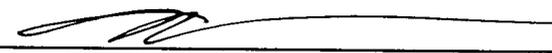
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
20"	14" line pipe	40	3 yards	Ready Mix	
11"	8-5/8" J-55 24#	2,000	Premium Lead	183 sxs	3.50 11.1
			Premium Tail	183 sxs	1.15 15.8
7-7/8"	4-1/2" N-80 11.6#	6,620	Class G	43 sxs	3.3 11.0
			50/50 Poz Class G	809 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

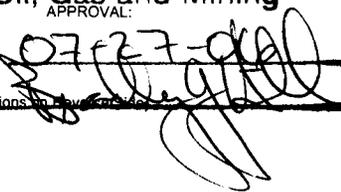
NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist

SIGNATURE  DATE 6/6/2006

(This space for State use only)

API NUMBER ASSIGNED: 13-04738295

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

Date: 07-27-06  
By: 

**RECEIVED**  
JUN 12 2006  
DIV. OF OIL, GAS & MINING



# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: Enduring Resources, LLC

Well Name: Hanging Rock 11-23-44-36

API No: 43-047-38275 Lease Type: State

Section 36 Township 11S Range 23E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Rathole

### **SPUDDED:**

Date 6-11-07

Time 1:00 PM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Doug Hammond

Telephone # 435-790-6990

Date 6-11-07 Signed RM

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

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304738275	Hanging Rock 11-23-44-36	SESE	36	11S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	16158	6/11/2007		6/14/07	
Comments: <u>MVRD</u>						<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

6/12/2007

Title

Date

(5/2000)

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DIV. OF OIL, GAS & MINING



**Enduring Resources, LLC**

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

CONFIDENTIAL

43-047-38275

**Drilling Chronological**  
**Regulatory**

<b>Well Name: HANGING ROCK 11-23-44-36</b>					
Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern
Project AFE:	DV00637S1	AFEs Associated:	/ / /		

<b>Daily Summary</b>					
Activity Date :	5/31/2007	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
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	20	MI PONDEROSA AND START BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>					
Activity Date :	6/4/2007	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
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFW	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>					
Activity Date :	6/5/2007	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
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>					
Activity Date :	6/6/2007	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
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

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JUN 29 2007

6/25/2007

**Well Name:HANGING ROCK 11-23-44-36**

Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	<b>6/7/2007</b>	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>6/8/2007</b>	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>6/9/2007</b>	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	21	FINISHED BUILDING LOCATION	0	0	NIH
17:00	13.00	24	SDFW	0	0	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	<b>6/12/2007</b>	Days From Spud :	0	Current Depth :	40 Ft	24 Hr. Footage Made :	40 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	6.00	02	INSTALL PIT LINER AND MI PETE MARTIN RATHOLE SERVICE. DRILL 40 FT OF 20" HOLE AND SET 40 FT OF 14" CONDUCTOR PIPE. Cement with 3 yards of readymix.	0	40	NIH
Total:		8.00				

**Daily Summary**

Activity Date :	<b>6/13/2007</b>	Days From Spud :	0	Current Depth :	840 Ft	24 Hr. Footage Made :	800 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	11.00	24	SDFN	40	40	NIH
17:00	13.00	02	MI PROPETRO AND DRILL 12 1/4" SURFACE HOLE TO 840 FT. FRESH WATER AT 650 FT.	40	840	NIH
Total:		24.00				

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**Well Name:HANGING ROCK 11-23-44-36**

Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	6/14/2007	Days From Spud :	0	Current Depth :	1560 Ft	24 Hr. Footage Made :	720 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	drill 12 1/4" HOLE TO 1560 FT. PREP TO RUN CASING	840	1560	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	6/15/2007	Days From Spud :	0	Current Depth :	1560 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:		Formation :		Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	8.00	12	run 35 jts of 8 5/8" 32# j55 surface casing to 1537 ft. BIG 4 CEMENTED WITH 150 SX LEAD, 250 SX TAIL AND TOPPED WITH 150 SX.	1560	1560	NIH
14:00	16.00	24	SDFN	1560	1560	NIH
Total:		24.00				

**Daily Summary**

Activity Date :	6/20/2007	Days From Spud :	0	Current Depth :	1560 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Ensign	Rig Name:	Ensign 79	Formation :	Surface	Weather:	

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	11.00	21	Safety meeting with R.W. Jones Trucking. Load out Rig on Hanging Rock 11-23-13-36. Move & set Rig in on Hanging Rock 11-23-44-36. Raised derrick @ 17:00 hours.	1560	1560	NIH
17:00	13.00	01	Rig Up Ensign 79. Mangum hauled in 1,040 bbls. Fresh water.	1560	1560	NIH
Total:		24.00				

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**JUN 29 2007**

**Well Name:HANGING ROCK 11-23-44-36**

Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	6/21/2007	Days From Spud :	1	Current Depth :	1663 Ft	24 Hr. Footage Made :	103 Ft
Rig Company :	Ensign			Rig Name:	Ensign 79		
Formation :				Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.50	01	Continue R/U Ensign 79.	1560	1560	NIH
8:30	5.00	15	Safety meeting with B&C Quick Test & R/U same..	1560	1560	NIH
13:30	4.50	21	HELD SAFETY MEETING W/ LAY DOWN AND BOTH RIG CREWS @ CREW CHANGE P/U BHA	1560	1560	NIH
18:00	0.50	06	P/ U BHA	1560	1560	NIH
18:30	1.00	08	RIG REPAIR / WORK ON PIPE SPINERS	1560	1560	NIH
19:30	4.00	06	FINISH IN HOLE TO 1,415' ,	1560	1560	NIH
23:30	1.00	01	R/D LAYDOWN MACHINE AND RELEASE	1560	1560	NIH
0:30	2.00	21	TAG CEMENT @ 1,446, DRILLED CMT. TAG AND DRILLED FLOAT SHOE @ 1,503, AND FLOAT SHOE @ 1,545'	1560	1560	NIH
2:30	0.50	02	DRILL F/ 1545 T/ 1560, DRILLED 5' NEW FORMATION , IN RETURNS CMT AND LAST 5' NEW FORMATION	1560	1560	1
3:00	0.50	21	PREFORM F.I.T. EMW = 10.5 PPG HELD FOR 10 MIN NO LEAKS	1560	1560	1
3:30	2.50	02	DRILL F/ 1560 T/ 1663	1560	1663	1
6:00	0.00	08		1663	1663	1
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
1560		0.00	0.00	0	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.1%	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	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	0		GYP, LIME, WATER, CITRIC ACIC,										

**Daily Summary**

Activity Date :	6/22/2007	Days From Spud :	2	Current Depth :	3095 Ft	24 Hr. Footage Made :	1432 Ft
Rig Company :	Ensign			Rig Name:	Ensign 79		
Formation :	Wasatch			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	3.00	02	DRILL F/ 1663 T/ 1789	1663	1789	1
9:00	5.00	08	WORK ON INPUT CHAIN AND SPROCKETS W/ BOB	1789	1789	1
14:00	4.00	02	DRILL F/ 1789 T 2099	1789	2099	1
18:00	0.50	10	RUN SURVEY @ 2000' .37+14	2099	2099	1
18:30	11.50	02	DRILL F/ 2,099 T/ 3,095 , HELD 1 MIN BOP DRILL	2099	3095	1
Total:	24.00					

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3095		8.50	8.50	28	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.1%	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	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	0		GYP, LIME, WATER, CITRIC ACIC, MUD WEIGHT= 8.5 VIS=28										

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**JUN 29 2007**

**Well Name:HANGING ROCK 11-23-44-36**

Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County, State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

**Daily Summary**

Activity Date :	6/23/2007	Days From Spud :	3	Current Depth :	4214 Ft	24 Hr. Footage Made :	1119 Ft
Rig Company :	Ensign			Rig Name:	Ensign 79		
Formation :	Wasatch			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	0.50	10	RUN SURVEY @ 3,019' = 1.28	3095	3095	1
6:30	11.00	02	DRILL F/3095 F/4122	3095	4122	1
17:30	0.50	07	SERVICE RIG GREASE CROWN, BLOCKS AND CHECK OILS	4122	4122	1
18:00	1.50	02	DRILL TO T.D. 4214'	4122	4214	1
19:30	3.00	05	PUMP SWEEP CLEAN HOLE AND CONDITION HOLE	4214	4214	1
22:30	1.00	06	WIPER TRIP TO SHOE	4214	4214	1
23:30	2.50	08	REPLACE BELTS ON #2 FLOOR MOTOR	4214	4214	1
2:00	1.00	06	TRIP BACK TO BOTTOM NO DRAG AND NO-FILL.	4214	4214	1
3:00	3.00	05	CIRCULATE AND CONDITION HOLE, SPOT HIGHVIS BALLANCED PLUG ON BOTTOM AND PUMP SLUG.	4214	4214	1

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3095		8.50	8.50	28	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.1%	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	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	0		GYP, LIME, WATER, CITRIC ACIC, MUD WEIGHT= 8.5 VIS=28										

**Daily Summary**

Activity Date :	6/24/2007	Days From Spud :	4	Current Depth :	4214 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Ensign			Rig Name:	Ensign 79		
Formation :	Wasatch			Weather:			

**Operations**

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	1.00	05	BUILD AND PUMP SLUG	4214	4214	1
7:00	1.50	06	STAND BACK KELLY AND POOH FOR LOGS	4214	4214	1
8:30	0.50	21	HELD SAFETY MEETING W/ HES	4214	4214	1
9:00	3.50	11	R/U HES RIH W/ TRIPLE COMBO, LOG WELL ELMT.D. 4,180'	4214	4214	1
12:30	0.50	11	R.D.M.O. WIRELINE	4214	4214	1
13:00	5.00	06	TIH W/ BIT AND BHA TO BOTTOM OF SHOE & W.O.O.	4214	4214	1
18:00	5.50	21	CIRCULATE AND W.O.O.	4214	4214	1
23:30	5.00	06	POOH STAND BACK BHA, TIH OPEN ENDED	4214	4214	1
4:30	1.50	06	P/U AND TALLY 7 JTS D.P. E.O.P. @ 3900' R/U TO CIRCULATE	4214	4214	1

Total: 24.00

**Mud Properties**

Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
4214	10:00	8.60	8.60	37	8	6	6/11/16	20.0	0.0	0	1.00	1.0%	0.1%	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	0.00	0.00	0.00	0.00	900	1100	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	90												

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**JUN 29 2007**

Well Name:HANGING ROCK 11-23-44-36					
Field Name:	Utah Wildcat	S/T/R:	36/11S/23E	County,State:	UINTAH, UT
Operator:	Enduring Resources, LLC	Location Desc:		District:	Northern

Daily Summary							
Activity Date :	6/25/2007	Days From Spud :	5	Current Depth :	4214 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Ensign		Rig Name:	Ensign 79			
Formation :			Weather:				

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.50	05	CIRCULATE AND WAIT ON H.E.S.	4214	4214	NIH
8:30	1.00	05	HELD SAFETY MEETING W/ H.E.S, CALIBER, & RIG UP	4214	4214	NIH
9:30	1.00	17	SPOT 100' 49 SKS CLASS "G" CMT BALLANCED PLUG @ 3,899' , POOH W/ 4 STDS CIRCULATE CLEAN	4214	4214	NIH
10:30	2.00	13	W.O.C. RIH TAG TOP CEMENT PLUG.	4214	4214	NIH
12:30	2.00	21	POOH LAYING DOWN DRILL PIPE	4214	4214	NIH
14:30	0.50	17	SPOT 100' 57 SKS CLASS "G" CMT BALLANCED PLUG @ 2,565', PULL 4 STDS AND CIRCULATE CLEAN	4214	4214	NIH
15:00	2.00	13	W.O.C. RIH TAG TOP CEMENT PLUG	4214	4214	NIH
17:00	2.00	21	POOH LAY DOWN DRILL PIPE	4214	4214	NIH
19:00	1.00	17	SPOT 100' BALLANCED CLASS "G" CMT PLUG 1/2 IN & 1/2 CASING SHOE @ 1,545' PULLED 4 STDS AND CIRCULATED CLEAN	4214	4214	NIH
20:00	2.50	13	W.O.C. RIH AND TAG TOP CEMENT / W/ BHA AND BREAK KELLY	4214	4214	NIH
22:30	2.00	21	LAY DOWN DRILL PIPE AND BHA LEAVE 1 STAND IN DERRICK	4214	4214	NIH
0:30	0.50	01	R.D.M.O. LAYDOWN MACHINE	4214	4214	NIH
1:00	0.50	17	RIH W/ 1 STAND MIX AND PUMP 30 SKS CLASS "G" CMT 100' @ SUJRFACE, WASH UP LINES. R.D.M.O. H.E.S.	4214	4214	NIH
1:30	4.00	01	WASH PITS	4214	4214	NIH
5:30	0.50	01	RIG DOWN RELEASE RIG	4214	4214	NIH
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
4214	10:00	8.60	8.60	37	8	6	6/11/16	20.0	0.0	0	1.00	1.0%	0.1%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	OW Ratio	Mud Loss		
0.0	0.00	0.00	0.00	0.00	900	1100	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	0.0	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
6/13/2007	1537	35	3. Surface	8.625	32	J-55		12.25	1560
Stage: 1, Lead, 0, 150, 16% GEL, 1/4# FLOWCELE, Class G, 3.85, 11.1									
Stage: 1, Tail, 0, 250, 2% CACL 2, 1/4# FLOWCELE, Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 150, 2% CACL 2, 1/4# FLOWCELE, Class G, 1.15, 15.8									
6/23/2007		0	0. Pipe on Rack	4.5	1160	M-80		7875	0

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JUN 29 2007

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-50085</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
		7. UNIT or CA AGREEMENT NAME: n/a
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Hanging Rock 11-23-44-36</b>	
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		9. API NUMBER: <b>4304738275</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>	10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>607' FSL - 524' FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESE 36 11S 23E S</b>		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>6/24/2007</b>	<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 checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Received verbal plugging orders from David Hackford, DOG&M, Roosevelt, Utah.

6-24-2007 P & A.  
Spot 100', 49 sxs Class G Cement balanced plug @ 3,899',  
Spot 100' 57 sxs Class G Cement balanced plug @ 2,565',  
Spot 100' balanced Class G cement plug 1/2 in and 1/2 out of surface pipe casing shoe at 1,545', and  
Mix and pump 30 sxs Class G cement 100' @ top of surface pipe.  
Release Drilling Rig.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>6/25/2007</u>

(This space for State use only)

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**JUN 29 2007**

**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**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-50085**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**N/A**

7. UNIT or CA AGREEMENT NAME:  
**N/A**

8. WELL NAME and NUMBER:  
**Hanging Rock 11-23-44-36**

9. API NUMBER:  
**4304738275**

10. FIELD AND POOL, OR WILDCAT:  
**Undesignated**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SESE 36 11S 23E S**

12. COUNTY: **Uintah**      13. STATE: **UTAH**

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

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

2. NAME OF OPERATOR:  
**Enduring Resources, LLC**

3. ADDRESS OF OPERATOR: **475 17th St, Suite 1500** CITY **Denver** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 573-1222**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **607' FSL - 524' FEL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **same as above**  
AT TOTAL DEPTH: **same as above**

14. DATE SPURRED: **6/21/2007**      15. DATE T.D. REACHED: **6/22/2007**      16. DATE COMPLETED: **6/24/2007**      ABANDONED       READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5930 RKB**

18. TOTAL DEPTH: MD **4,214**      19. PLUG BACK T.D.: MD \_\_\_\_\_      20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_      21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**Previously submitted.**

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	line pipe	0	40		3 yards		0 (CIR)	0
12 1/4"	8 5/8 J55	32#	16	1,537		CI G 550	185	16 (CIR)	0
7-7/8"	N/A N/A	Plug #1	3,799	3,899		CI G 49		3799 (tag)	
		Plug #2	2,456	2,565		CI G 57		2465 (tag)	
		Plug #3	1,495	1,545		CI G 35		1495 (tag)	
		Plug #4	0	100		CI G 30		0(CIR)	

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)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input 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

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS       GEOLOGIC REPORT       DST REPORT       DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION       CORE ANALYSIS       OTHER: \_\_\_\_\_

30. WELL STATUS:  
**P&A'd**

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31. INITIAL PRODUCTION

INTERVAL A (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 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.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

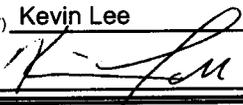
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River Wasatch Mesaverde	215 2,565 3,889

35. ADDITIONAL REMARKS (Include plugging procedure)

Verbal orders given by David Hackford, DOG&M, Utah.

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 6/25/2007

This report must be submitted within 30 days of

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

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

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

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

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