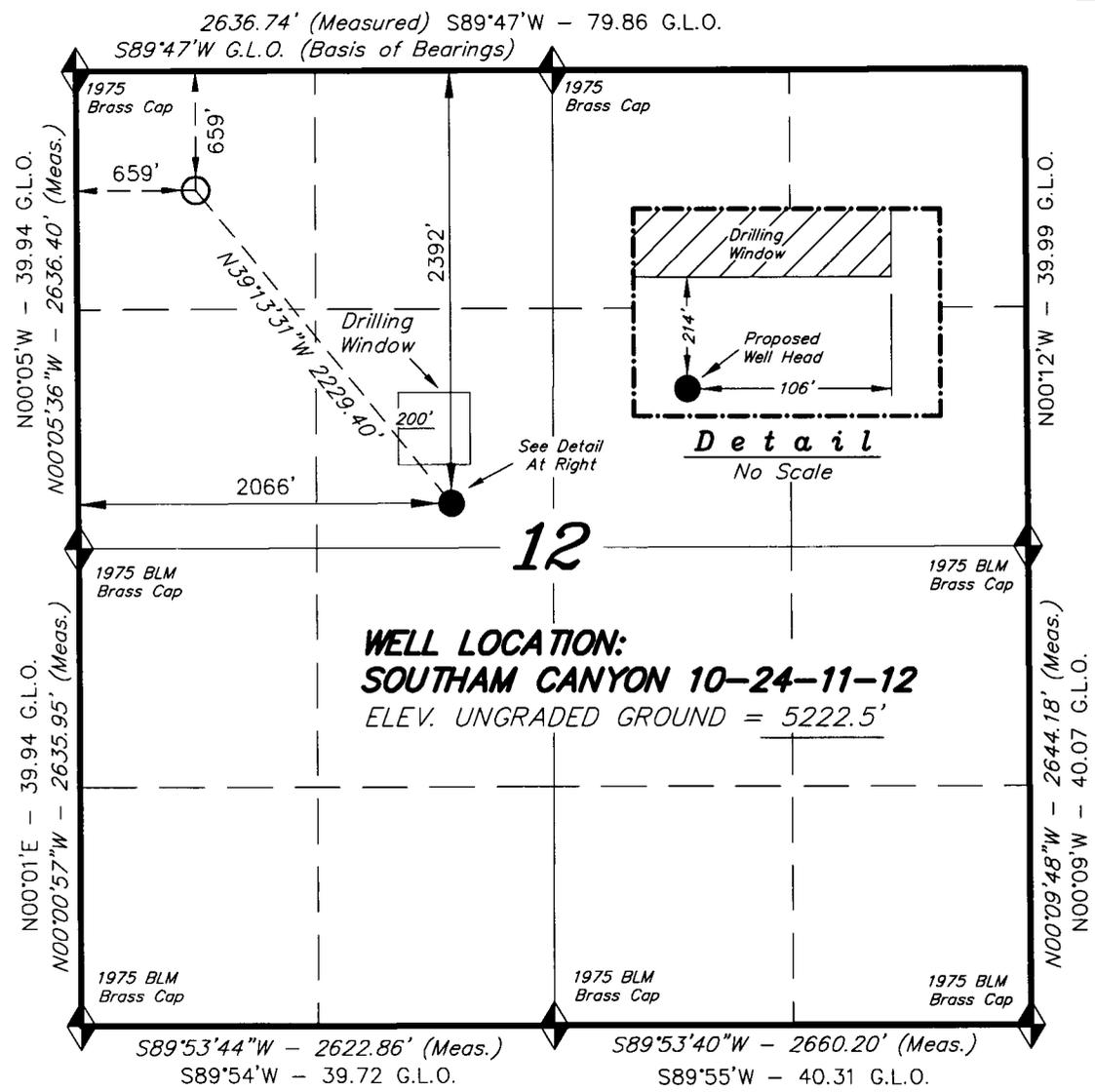




# T10S, R24E, S.L.B.&M.

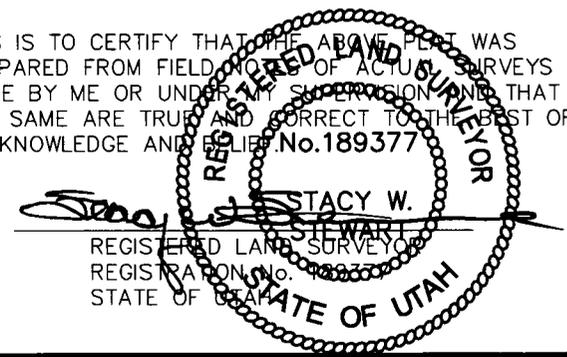
## ENDURING RESOURCES



WELL LOCATION, FOR THE SOUTHAM CANYON 10-24-11-12, THE TOP OF HOLE LOCATED AS SHOWN IN THE SE 1/4 NW 1/4, THE BOTTOM HOLE LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 12, T10S, R24E, S.L.B.&M. UTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN 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



◆ = SECTION CORNERS LOCATED

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

**SOUTHAM CANYON 10-24-11-12**  
(Surface Location) NAD 83  
LATITUDE = 39° 57' 51.00"  
LONGITUDE = 109° 09' 52.93"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>		
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501		
DATE DRAWN: 03-15-06	SURVEYED BY: J.H.	<b>SHEET</b> <b>2</b> <b>OF 10</b>
REVISED: 03-27-06 F.T.M.	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

April 17, 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: Southam Canyon 10-24-11-12 Well**

Surface Location: SENW Sec. 12-10S-24E

2,392' FNL – 2,066' FWL

Lease Serial No.: UTU-75518

Bottom Hole Location: NWNW Sec. 12-10S-24E

659' FNL – 659' FWL

Lease Serial No.: UTU-75518

Uintah County, Utah

Dear Ms. Whitney

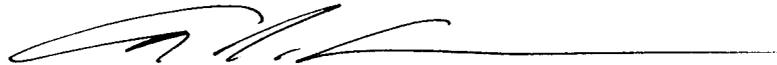
Attached is one original application to drill for the above-referenced proposed well. This well will be drilled on federal lands.

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

APR 20 2006

DIV. OF OIL, GAS & MINING

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

April 14, 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: Request for Directional Well Location to Directionally Drill**

Southam Canyon 10-24-11-12  
Surface: SENW Section 12 10S 24E  
2392' FNL – 2066' FWL  
BHL: NWNW Section 12 10S 24E  
659' FNL – 659' FWL  
Lse #ML 47087 Uintah Cnty, UT

Dear Ms. Whitney:

Enduring Resources, LLC ("ERLLC") respectfully requests permission to directionally drill the above-referenced well to reduce visual impact on the White River per the request of the BLM.

1. Enduring Resources, LLC is the only owner within 460' of any point of well bore,
2. Enduring Resources, LLC owns the entire section.

In the event there are any other outstanding matters preventing this APD from being approved, please let me know at your earliest convenience, 303-350-5114 ([aarlian@enduringresources.com](mailto:aarlian@enduringresources.com)).

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

cc: SITLA

## 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.

Southam Canyon 10-24-11-12  
Surface: SENW Section 12 10S 24E  
2392' FNL – 2066' FWL  
BHL: NWNW Section 12 10S 24E  
659' FNL – 659' FWL  
Lse # UTU 75518 Uintah Cnty, UT

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.



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

April 17, 2006

Date

# Enduring Resources, LLC

**Southam Canyon 10-24-11-12**  
SW-NW 12-10S-24E (Bottom Hole Location)  
NW-NW 12-10S-24E (Surface Location)  
Uintah County, Utah

State Lease: ML-75518

## ONSHORE ORDER 1 - DRILLING PLAN

### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	355'
Wasatch	2605'
Mesaverde	3830'

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

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5235' est.	
Oil / Gas	Green River	355'
Oil /Gas	Wasatch	2605'
Oil /Gas	Mesaverde	3830'
	TD	5890'

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 – 5890' (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)
5890' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/2.08(d)	7780/2.76 (e)	223/3.80 (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	534	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	48	25	11.0	3.3
4-1/2"	Tail	3640	50/50 POZ Class G + 2% gel + 1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	664	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'-5890' (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 3,063 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 1,776 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**

**Southam Canyon 10-24-11-12  
SW-NW 12-10S-24E (Bottom Hole Location)  
NW-NW 12-10S-24E (Surface Location)  
Uintah County, Utah**

**Federal Lease: UTU-75518**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. Existing Roads:  
Directions to the Southam Canyon 10-24-11-12 Well Pad**

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading south. Continue southerly on state highway 45 for a distance of approximately 3.8 miles where you will cross the White River. Continue southeasterly along state highway 45 for a distance of approximately 1.8 miles where there is a turnoff to the right. Turn right, leaving state highway 45, and proceed southwest for a distance of approximately 0.1 miles (only about 275'). Thence, turn right and proceed approximately 80' west along the proposed access for the Southam Canyon 10-24-11-12 well pad.

Total distance from Bonanza, Utah to the proposed well location is approximately 5.5 miles in a southwesterly direction.

**2. Planned Access Roads:**

The proposed access road will be approximately 80 feet of new construction (ON-LEASE). A permit from the Utah Department of Transportation is being applied for to exit State Highway 45. Please refer to Topo Map "B" for the takeoff point for the new ON-LEASE road construction.

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: None, however White River is approximately ½ mile away |
| 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. | One:  | Pending (staked) Wells:   |
|    |       | i. Southam Canyon 10-23-24-12,<br>SESW Sec 12-10S-24E               |

**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 Carlsbad Canyon (2.5Y 6/2). 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:	ON-LEASE	4,520'	BLM
	OFF-LEASE	1,110'	BLM (UTU-66417)*

\*A permit will be needed to bore under Highway 45.

If the well is capable of economic production, a 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 5,700 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance (excluding that part under Highway 45):

- a. ON-LEASE approximately 4,520' feet, and
- b. OFF-LEASE approximately 1,110'.

of 3 inch or less diameter steel, unpainted, welded gas gathering line is proposed.

The proposed pipeline will begin at the well site; and tie-in directly to an existing pipeline (east) adjacent to the well pad. 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
<u>T10S-R24E</u>	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, break 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 will 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 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 DOG&M and/or American Gilsonite and the BLM.

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

Wellsite: Bureau of Land Management

Access: Bureau of Land Management (off of State Highway 45)

Pipeline: Bureau of Land management (bore under State Highway 45)

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

The on-site was conducted April 12, 2006.

**Special Conditions of Approval:**

**A DOUBLE 11 MIL PIT LINER WILL BE REQUIRED.**

**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  
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Vice President – Operations  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-350-5711  
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**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.

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian,  
Landman – Regulatory Specialist  
475 17<sup>th</sup> St, Ste 1500, Denver, CO 80202

April 17, 2006



**ENDURING RESOURCES**  
**Southam Canyon 10-24-11-12**  
**SE/NW, Sec. 12, T10S, R24E**  
**Uintah County, Utah**



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	320.77	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	320.77	2000.00	0.00	0.00	0.00	0.00	0.00	KOP
3	2993.26	39.73	320.77	2915.56	256.24	-209.21	4.00	320.77	330.80	End Build
4	5273.59	39.73	320.77	4669.26	1385.27	-1131.01	0.00	0.00	1788.33	Start Drop
5	6597.94	0.00	320.77	5890.00	1726.92	-1409.95	3.00	180.00	2229.40	TD

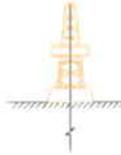
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Southam Canyon 10-24-11-12	0.00	0.00	7164229.98	2294888.09	39°57'51.000N	109°09'52.930W	N/A

**FIELD DETAILS**  
 Uintah, Utah  
 Utah Central Zone  
 U.S.A.  
 Geodetic System: US State Plane Coordinate System 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah, Central Zone  
 Magnetic Model: igrf2005  
 System Datum: Mean Sea Level  
 Local North: True North

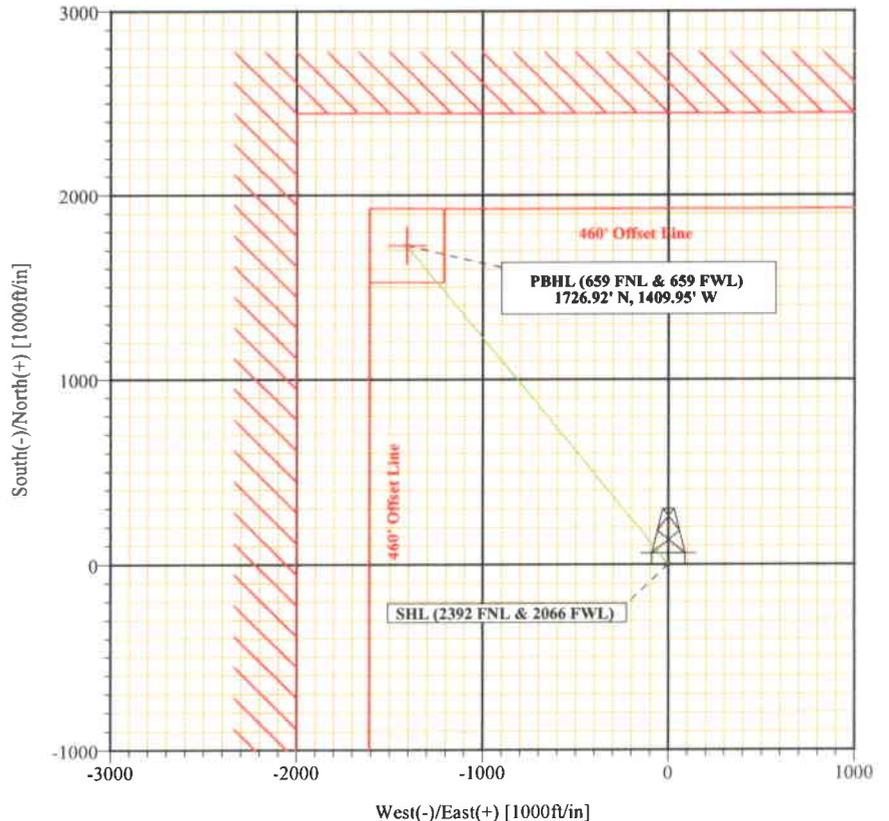
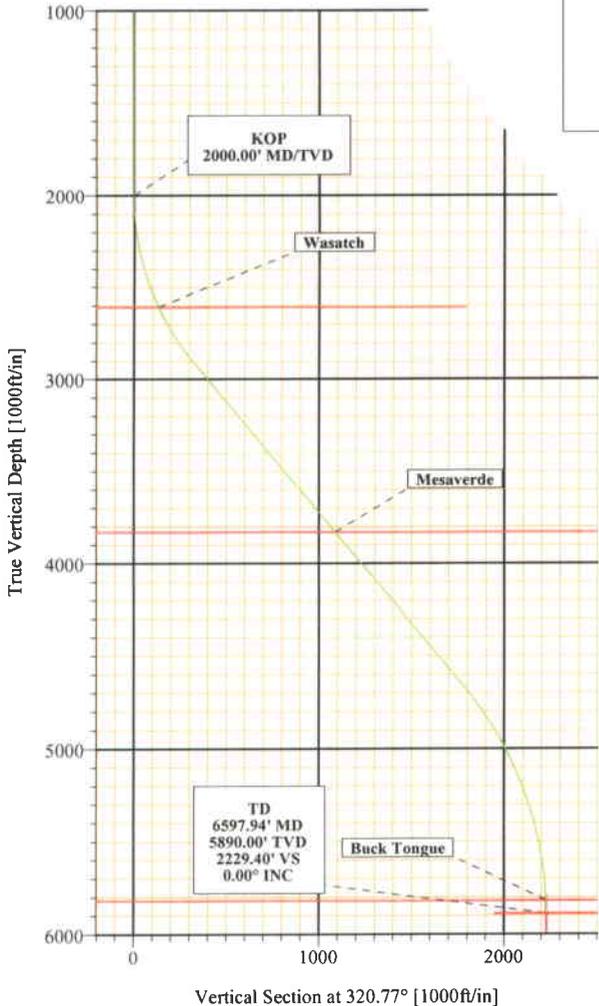
**SITE DETAILS**  
 SE/NW 12-10S-24E  
 Sec. 12, T10S, R24E, Uintah County, Utah  
 2392 FNL & 2066 FWL  
 Site Centre Latitude: 39°57'51.000N  
 Longitude: 109°09'52.930W  
 Ground Level: 5218.60  
 Positional Uncertainty: 0.00

TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
10-24-11-12 Target	5890.00	1726.92	-1409.95	Rectangle (400x400)	

FORMATION TOP DETAILS				
No.	TVDPath	MDPath	Formation	
1	355.00	355.00	Green River	
2	2605.00	2624.61	Wasatch	
3	3830.00	4182.31	Mesaverde	
4	5820.00	6527.93	Buck Tongue	



RKB Elevation: 5771.00  
 Ground Elevation: 5755.00



# Weatherford International Planning Report

<b>Company:</b> Enduring Resources	<b>Date:</b> 4/17/2006	<b>Time:</b> 15:22:35	<b>Page:</b> 1
<b>Field:</b> Uintah, Utah	<b>Co-ordinate(NE) Reference:</b> Well: Southam Canyon 10-24-11-12		
<b>Site:</b> SE/NW 12-10S-24E	<b>Vertical (TVD) Reference:</b> SITE 5235.0		
<b>Well:</b> Southam Canyon 10-24-11-12	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,320.77Azl)		
<b>Wellpath:</b> 1	<b>Plan:</b> Plan #1		

<b>Field:</b> Uintah, Utah Utah Central Zone U.S.A.	<b>Map Zone:</b> Utah, Central Zone
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Coordinate System:</b> Well Centre
<b>Geo Datum:</b> GRS 1980	<b>Geomagnetic Model:</b> igrf2005
<b>Sys Datum:</b> Mean Sea Level	

**Site:** SE/NW 12-10S-24E  
Sec. 12, T10S, R24E, Uintah County, Utah  
2392 FNL & 2066 FWL

<b>Site Position:</b>	<b>Northing:</b> 7164229.98 ft	<b>Latitude:</b> 39 57 51.000 N
<b>From:</b> Geographic	<b>Easting:</b> 2294888.09 ft	<b>Longitude:</b> 109 9 52.930 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True
<b>Ground Level:</b> 5218.60 ft		

<b>Well:</b> Southam Canyon 10-24-11-12	<b>Slot Name:</b>
<b>Well Position:</b> +N-S 0.00 ft	<b>Northing:</b> 7164229.98 ft
+E-W 0.00 ft	<b>Easting:</b> 2294888.09 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 57 51.000 N
	<b>Longitude:</b> 109 9 52.930 W

<b>Wellpath:</b> 1	<b>Drilled From:</b> Surface	<b>Tie-on Depth:</b> 0.00 ft	<b>Above System Datum:</b> Mean Sea Level
<b>Current Datum:</b> SITE	<b>Height:</b> 5235.00 ft	<b>Declination:</b> 11.58 deg	<b>Mag Dip Angle:</b> 66.04 deg
<b>Magnetic Data:</b> 4/17/2006		<b>+E/-W</b>	<b>Direction</b>
<b>Field Strength:</b> 52928 nT		ft	deg
<b>Vertical Section:</b> Depth From (TVD)	+N-S		
ft	ft		
5890.00	0.00	0.00	320.77

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 4/17/2006
<b>Principal:</b> Yes	<b>Version:</b> 1
	<b>Tied-to:</b> From Surface

**Plan Section Information**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	320.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	320.77	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2993.26	39.73	320.77	2915.56	256.24	-209.21	4.00	4.00	0.00	320.77	
5273.59	39.73	320.77	4669.26	1385.27	-1131.01	0.00	0.00	0.00	0.00	
6597.94	0.00	320.77	5890.00	1726.92	-1409.95	3.00	-3.00	0.00	180.00	10-24-11-12 Target

**Section 1 : Start Hold**

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	TFO deg
0.00	0.00	320.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	320.77	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	320.77

**Section 2 : Start Build 4.00**

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	TFO deg
2100.00	4.00	320.77	2099.92	2.70	-2.21	3.49	4.00	4.00	0.00	0.00
2200.00	8.00	320.77	2199.35	10.80	-8.82	13.94	4.00	4.00	0.00	0.00
2300.00	12.00	320.77	2297.81	24.25	-19.80	31.30	4.00	4.00	0.00	0.00
2400.00	16.00	320.77	2394.82	42.98	-35.09	55.49	4.00	4.00	0.00	0.00
2500.00	20.00	320.77	2489.91	66.91	-54.63	86.38	4.00	4.00	0.00	0.00
2600.00	24.00	320.77	2582.61	95.93	-78.32	123.84	4.00	4.00	0.00	0.00
2624.61	24.98	320.77	2605.00	103.83	-84.77	134.04	4.00	4.00	0.00	0.00
2700.00	28.00	320.77	2672.47	129.88	-106.04	167.67	4.00	4.00	0.00	0.00
2800.00	32.00	320.77	2759.05	168.60	-137.65	217.66	4.00	4.00	0.00	0.00
2900.00	36.00	320.77	2841.94	211.91	-173.01	273.56	4.00	4.00	0.00	0.00
2993.26	39.73	320.77	2915.56	256.24	-209.21	330.80	4.00	4.00	0.00	0.00

# Weatherford International Planning Report

<b>Company:</b> Enduring Resources	<b>Date:</b> 4/17/2006	<b>Time:</b> 15:22:35	<b>Page:</b> 2
<b>Field:</b> Uintah, Utah	<b>Co-ordinate(NE) Reference:</b> Well: Southam Canyon 10-24-11-12		
<b>Site:</b> SE/NW 12-10S-24E	<b>Vertical (TVD) Reference:</b> SITE 5235.0		
<b>Well:</b> Southam Canyon 10-24-11-12	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,320.77Azi)		
<b>Wellpath:</b> 1	<b>Plan:</b>	<b>Plan #1</b>	

**Section 3 : Start Hold**

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	TFO deg
3000.00	39.73	320.77	2920.74	259.58	-211.93	335.10	0.00	0.00	0.00	0.00
3100.00	39.73	320.77	2997.64	309.09	-252.36	399.02	0.00	0.00	0.00	0.00
3200.00	39.73	320.77	3074.55	358.60	-292.78	462.94	0.00	0.00	0.00	0.00
3300.00	39.73	320.77	3151.45	408.11	-333.20	526.86	0.00	0.00	0.00	0.00
3400.00	39.73	320.77	3228.36	457.62	-373.63	590.78	0.00	0.00	0.00	0.00
3500.00	39.73	320.77	3305.26	507.13	-414.05	654.69	0.00	0.00	0.00	0.00
3600.00	39.73	320.77	3382.17	556.65	-454.48	718.61	0.00	0.00	0.00	0.00
3700.00	39.73	320.77	3459.08	606.16	-494.90	782.53	0.00	0.00	0.00	0.00
3800.00	39.73	320.77	3535.98	655.67	-535.32	846.45	0.00	0.00	0.00	0.00
3900.00	39.73	320.77	3612.89	705.18	-575.75	910.37	0.00	0.00	0.00	0.00
4000.00	39.73	320.77	3689.79	754.69	-616.17	974.28	0.00	0.00	0.00	0.00
4100.00	39.73	320.77	3766.70	804.20	-656.59	1038.20	0.00	0.00	0.00	0.00
4182.31	39.73	320.77	3830.00	844.96	-689.87	1090.81	0.00	0.00	0.00	0.00
4200.00	39.73	320.77	3843.61	853.72	-697.02	1102.12	0.00	0.00	0.00	0.00
4300.00	39.73	320.77	3920.51	903.23	-737.44	1166.04	0.00	0.00	0.00	0.00
4400.00	39.73	320.77	3997.42	952.74	-777.87	1229.95	0.00	0.00	0.00	0.00
4500.00	39.73	320.77	4074.32	1002.25	-818.29	1293.87	0.00	0.00	0.00	0.00
4600.00	39.73	320.77	4151.23	1051.76	-858.71	1357.79	0.00	0.00	0.00	0.00
4700.00	39.73	320.77	4228.13	1101.27	-899.14	1421.71	0.00	0.00	0.00	0.00
4800.00	39.73	320.77	4305.04	1150.79	-939.56	1485.63	0.00	0.00	0.00	0.00
4900.00	39.73	320.77	4381.95	1200.30	-979.99	1549.54	0.00	0.00	0.00	0.00
5000.00	39.73	320.77	4458.85	1249.81	-1020.41	1613.46	0.00	0.00	0.00	0.00
5100.00	39.73	320.77	4535.76	1299.32	-1060.83	1677.38	0.00	0.00	0.00	0.00
5200.00	39.73	320.77	4612.66	1348.83	-1101.26	1741.30	0.00	0.00	0.00	0.00
5273.59	39.73	320.77	4669.26	1385.27	-1131.01	1788.33	0.00	0.00	0.00	0.00

**Section 4 : Start Drop -3.00**

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	TFO deg
5300.00	38.94	320.77	4689.69	1398.23	-1141.59	1805.07	3.00	-3.00	0.00	180.00
5400.00	35.94	320.77	4769.08	1445.32	-1180.03	1865.86	3.00	-3.00	0.00	180.00
5500.00	32.94	320.77	4851.54	1489.12	-1215.79	1922.40	3.00	-3.00	0.00	180.00
5600.00	29.94	320.77	4936.85	1529.52	-1248.78	1974.56	3.00	-3.00	0.00	180.00
5700.00	26.94	320.77	5024.78	1566.40	-1278.89	2022.17	3.00	-3.00	0.00	180.00
5800.00	23.94	320.77	5115.07	1599.67	-1306.05	2065.12	3.00	-3.00	0.00	180.00
5900.00	20.94	320.77	5207.49	1629.23	-1330.19	2103.28	3.00	-3.00	0.00	180.00
6000.00	17.94	320.77	5301.78	1655.01	-1351.24	2136.56	3.00	-3.00	0.00	180.00
6100.00	14.94	320.77	5397.68	1676.93	-1369.13	2164.85	3.00	-3.00	0.00	180.00
6200.00	11.94	320.77	5494.93	1694.93	-1383.83	2188.09	3.00	-3.00	0.00	180.00
6300.00	8.94	320.77	5593.26	1708.96	-1395.28	2206.21	3.00	-3.00	0.00	180.00
6400.00	5.94	320.77	5692.41	1718.98	-1403.47	2219.15	3.00	-3.00	0.00	180.00
6500.00	2.94	320.77	5792.10	1724.98	-1408.36	2226.89	3.00	-3.00	0.00	180.00
6527.93	2.10	320.77	5820.00	1725.93	-1409.14	2228.12	3.00	-3.00	0.00	180.00
6597.94	0.00	320.77	5890.00	1726.92	-1409.95	2229.40	3.00	-3.00	0.00	-180.00

**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	Tool/Comment
2000.00	0.00	320.77	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2100.00	4.00	320.77	2099.92	2.70	-2.21	3.49	4.00	4.00	0.00	MWD
2200.00	8.00	320.77	2199.35	10.80	-8.82	13.94	4.00	4.00	0.00	MWD
2300.00	12.00	320.77	2297.81	24.25	-19.80	31.30	4.00	4.00	0.00	MWD
2400.00	16.00	320.77	2394.82	42.98	-35.09	55.49	4.00	4.00	0.00	MWD
2500.00	20.00	320.77	2489.91	66.91	-54.63	86.38	4.00	4.00	0.00	MWD
2600.00	24.00	320.77	2582.61	95.93	-78.32	123.84	4.00	4.00	0.00	MWD
2624.61	24.98	320.77	2605.00	103.83	-84.77	134.04	4.00	4.00	0.00	Wasatch
2700.00	28.00	320.77	2672.47	129.88	-106.04	167.67	4.00	4.00	0.00	MWD
2800.00	32.00	320.77	2759.05	168.60	-137.65	217.66	4.00	4.00	0.00	MWD
2900.00	36.00	320.77	2841.94	211.91	-173.01	273.56	4.00	4.00	0.00	MWD
2993.26	39.73	320.77	2915.56	256.24	-209.21	330.80	4.00	4.00	0.00	End Build



# Weatherford International Planning Report

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah, Utah <b>Site:</b> SE/NW 12-10S-24E <b>Well:</b> Southam Canyon 10-24-11-12 <b>Wellpath:</b> 1	<b>Date:</b> 4/17/2006 <b>Co-ordinate(NE) Reference:</b> <b>Vertical (TVD) Reference:</b> <b>Section (VS) Reference:</b> <b>Plan:</b>	<b>Time:</b> 15:22:35 <b>Well:</b> Southam Canyon 10-24-11-12 <b>SITE:</b> 5235.0 <b>Well (0.00N,0.00E,320.77Azi)</b> <b>Plan #1</b>	<b>Page:</b> 4
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**Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
355.00	355.00	Green River		0.00	0.00
2624.61	2605.00	Wasatch		0.00	0.00
4182.31	3830.00	Mesaverde		0.00	0.00
6527.93	5820.00	Buck Tongue		0.00	0.00

**Annotation**

MD ft	TVD ft	Formations
		SHL (2392 FNL & 2066 FWL)
2000.00	2000.00	KOP
2993.26	2915.56	End Build
5273.59	4669.26	Start Drop
6597.94	5890.00	TD

# ENDURING RESOURCES

## WELL PAD INTERFERENCE PLAT

### SOUTHAM CANYON 10-24-11-12

BHL: Section 12, T10S, R24E, S.L.B.&M.  
 (SHL: Section 12, T10S, R24E, S.L.B.&M.)

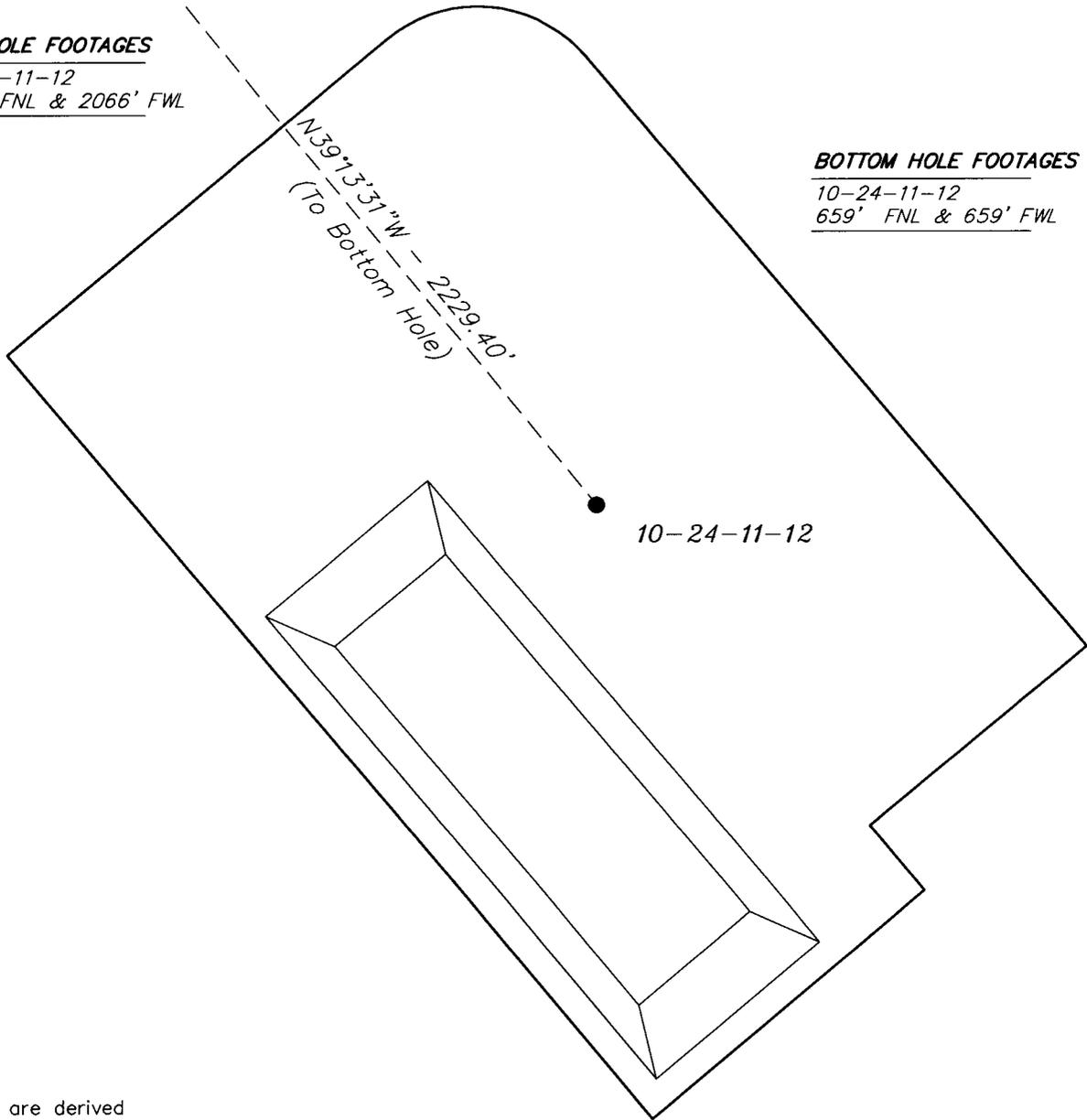


**TOP HOLE FOOTAGES**

10-24-11-12  
 2392' FNL & 2066' FWL

**BOTTOM HOLE FOOTAGES**

10-24-11-12  
 659' FNL & 659' FWL



**Note:**

Bearings are derived using true North.

<i>RELATIVE COORDINATES</i>		
<i>From top hole to bottom hole</i>		
WELL	NORTH	EAST
11-12	1,727'	-1,410'

<i>LATITUDE &amp; LONGITUDE</i>		
<i>Surface position of Wells (NAD 83)</i>		
WELL	LATITUDE	LONGITUDE
11-12	39° 57' 51.00"	109° 09' 52.93"

SURVEYED BY: J.H.      DATE DRAWN: 03-27-06

DRAWN BY: F.T.M.      SCALE: 1" = 60'

NOTES:

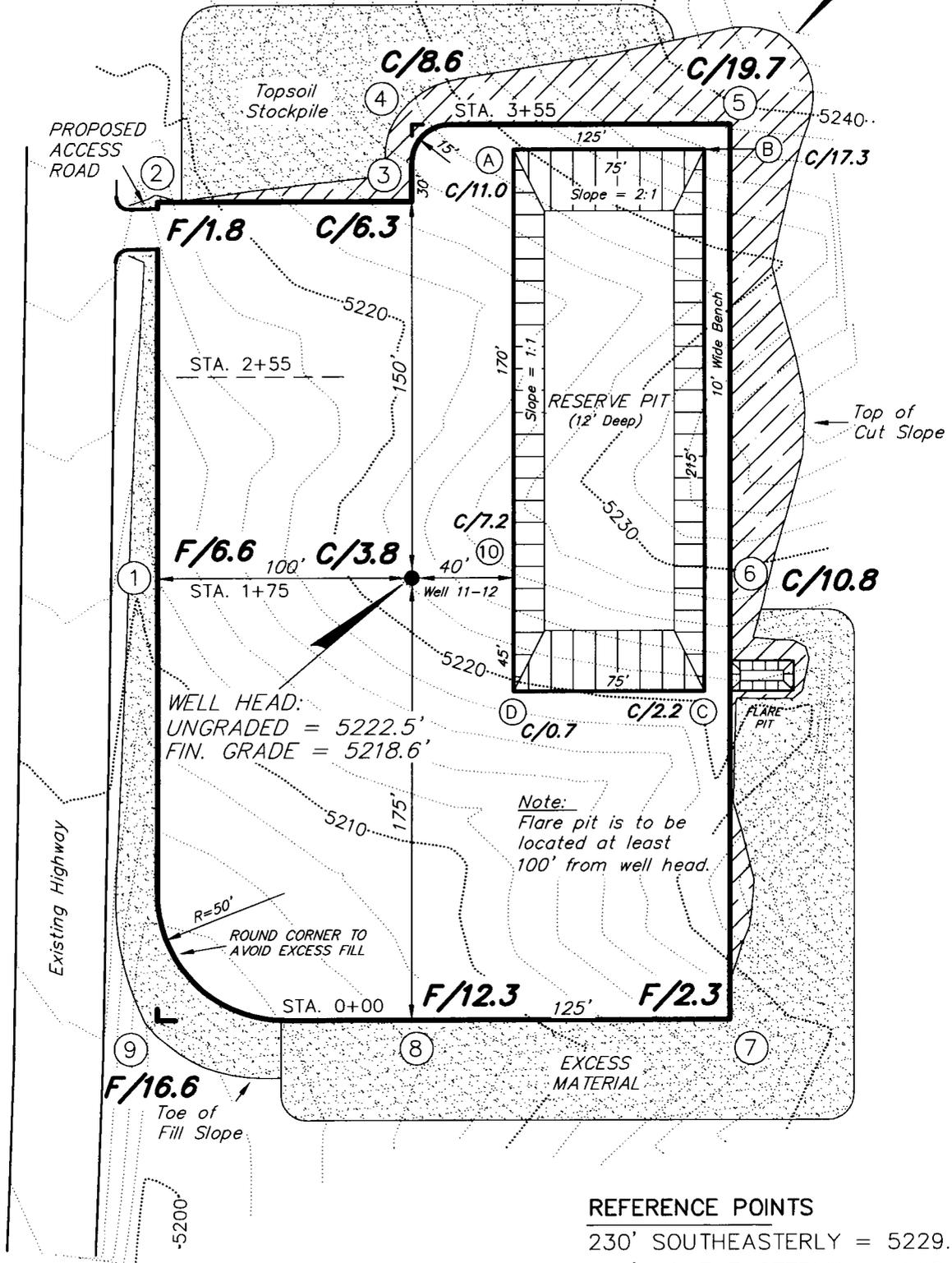
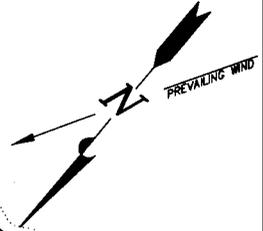
**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE.      VERNAL, UTAH 84078      (435) 781-2501

SHEET  
**3**  
 OF 10

# ENDURING RESOURCES

## SOUTHAM CANYON 10-24-11-12

BHL: Section 12, T10S, R24E, S.L.B.&M.  
 (SHL: Section 12, T10S, R24E, S.L.B.&M.)



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

### REFERENCE POINTS

- 230' SOUTHEASTERLY = 5229.9'
- 280' SOUTHEASTERLY = 5228.3'

SURVEYED BY: J.H.	DATE DRAWN: 03-27-06
DRAWN BY: F.T.M.	SCALE: 1" = 60'
NOTES:	

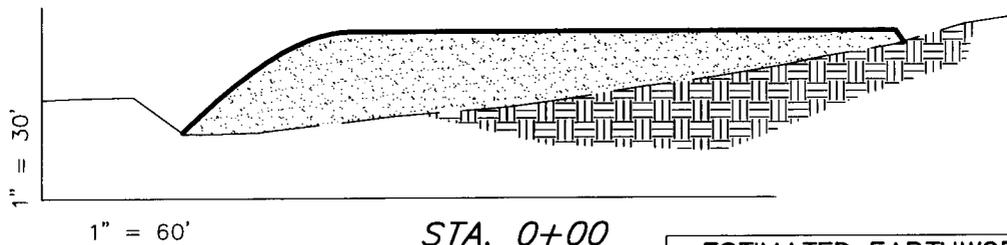
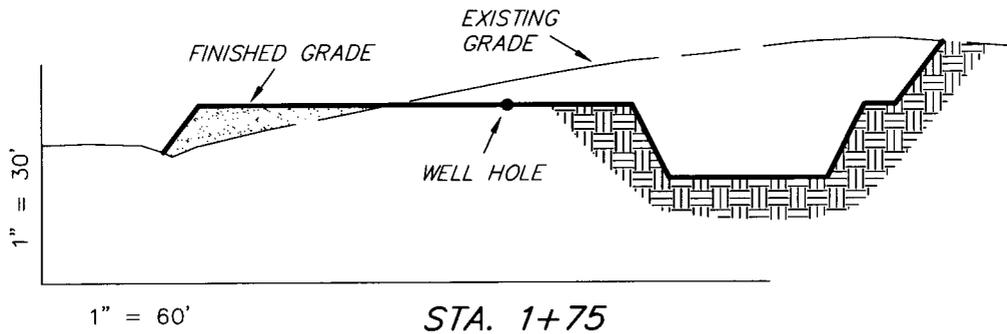
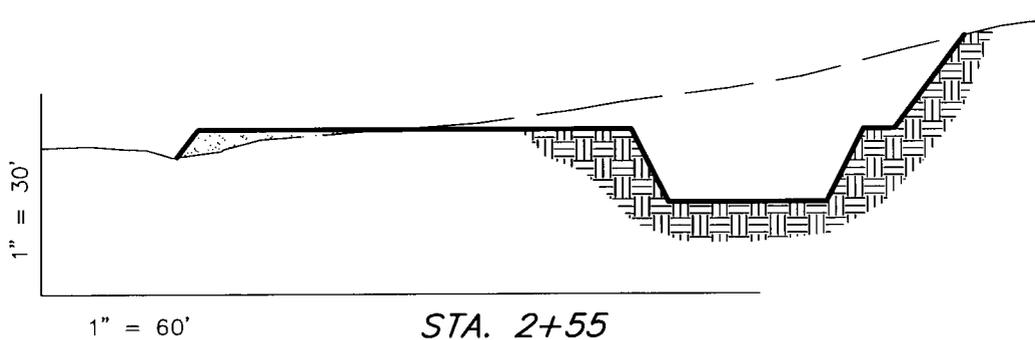
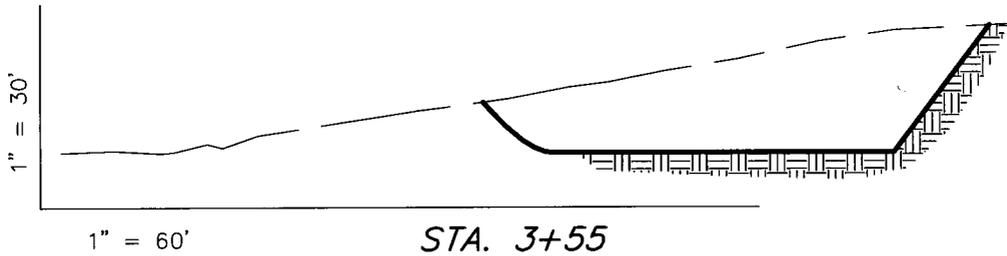
**Tri State**  
 Land Surveying, Inc.  
 (435) 781-2501  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET  
 4  
 OF 10

# ENDURING RESOURCES

## CROSS SECTIONS

### SOUTHAM CANYON 10-24-11-12



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	10,950	10,950	Topsoil is not included in Pad Cut	0
PIT	5,390	0		5,390
<b>TOTALS</b>	<b>16,340</b>	<b>10,950</b>	<b>1,760</b>	<b>5,390</b>

SURVEYED BY: J.H. DATE DRAWN: 03-27-06

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

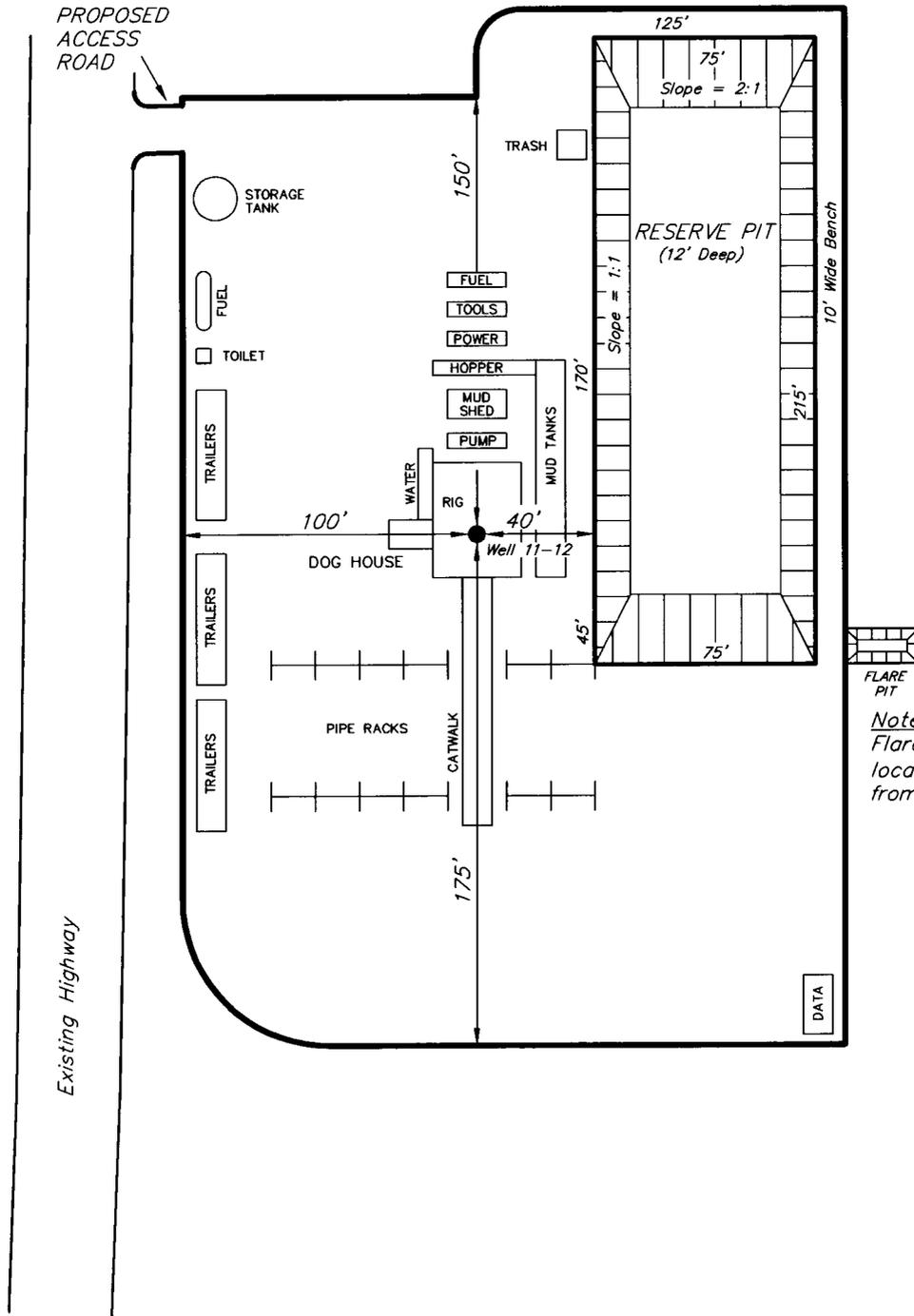
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET  
5  
OF 10

# ENDURING RESOURCES

## TYPICAL RIG LAYOUT

### SOUTHAM CANYON 10-24-11-12



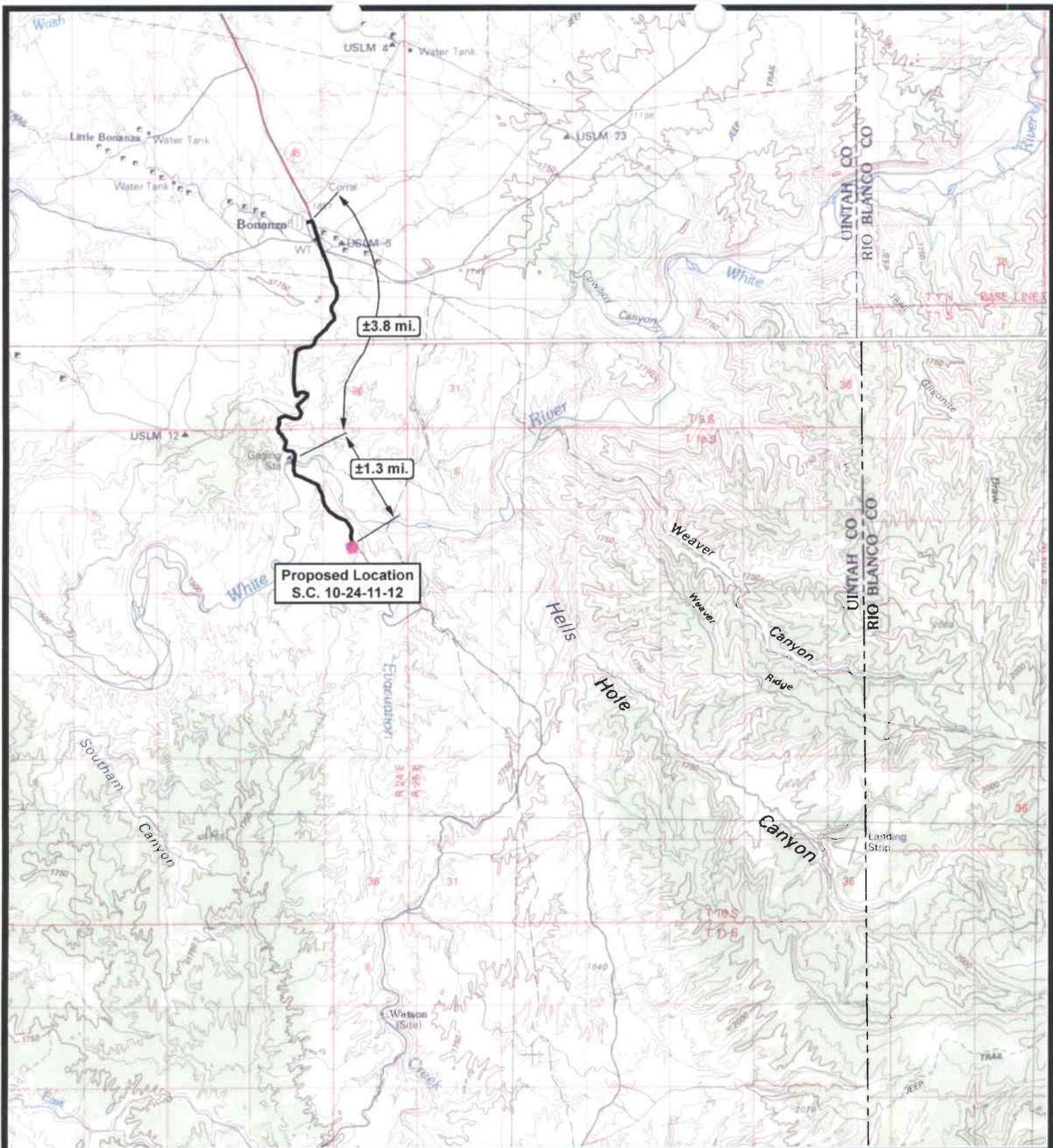
FLARE PIT

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

SURVEYED BY: J.H.	DATE DRAWN: 03-27-06
DRAWN BY: F.T.M.	SCALE: 1" = 60'
NOTES:	

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

(435) 781-2501



**Proposed Location**  
S.C. 10-24-11-12

±3.8 mi.

±1.3 mi.

**Legend**

- Existing Road
- Proposed Access

  
**ENDURING RESOURCES**

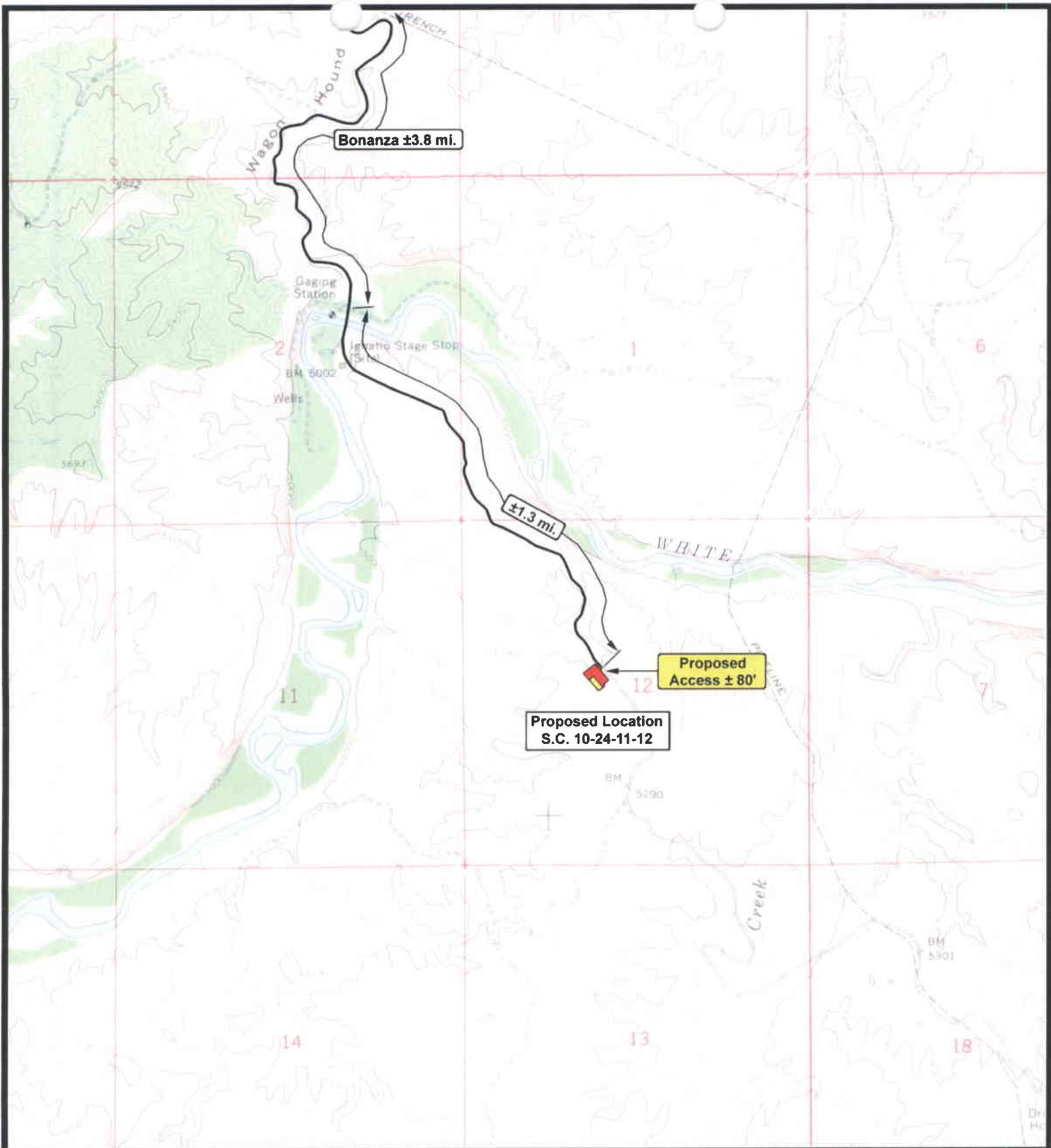
**Southam Canyon 10-24-11-12**  
**Sec. 12, T10S, R24E, S.L.B.&M.**



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

**SCALE: 1" = 100,000'**  
**DRAWN BY: mw**  
**DATE: 03-16-2006**

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



**ENDURING RESOURCES**

**Southam Canyon 10-24-11-12  
Sec. 12, T10S, R24E, 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: 03-16-2006

**Legend**

- Existing Road
- Proposed Access

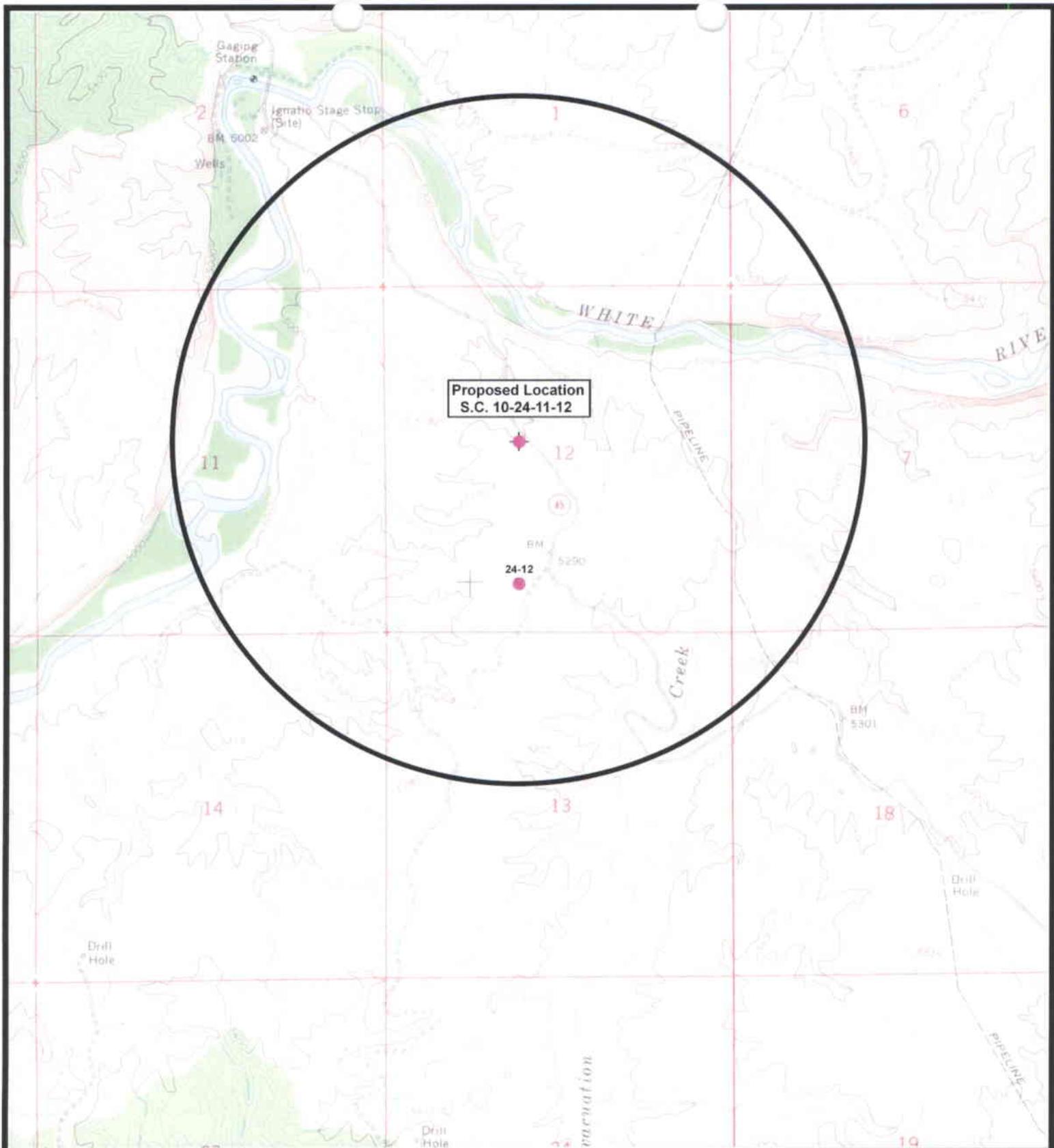
TOPOGRAPHIC MAP

**"B"**

SHEET

**8**

OF 10



**ENDURING RESOURCES**

**Southam Canyon 10-24-11-12  
SEC. 12, T10S, R24E, 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: 03-16-2006

**Legend**

- Location
- One-Mile Radius

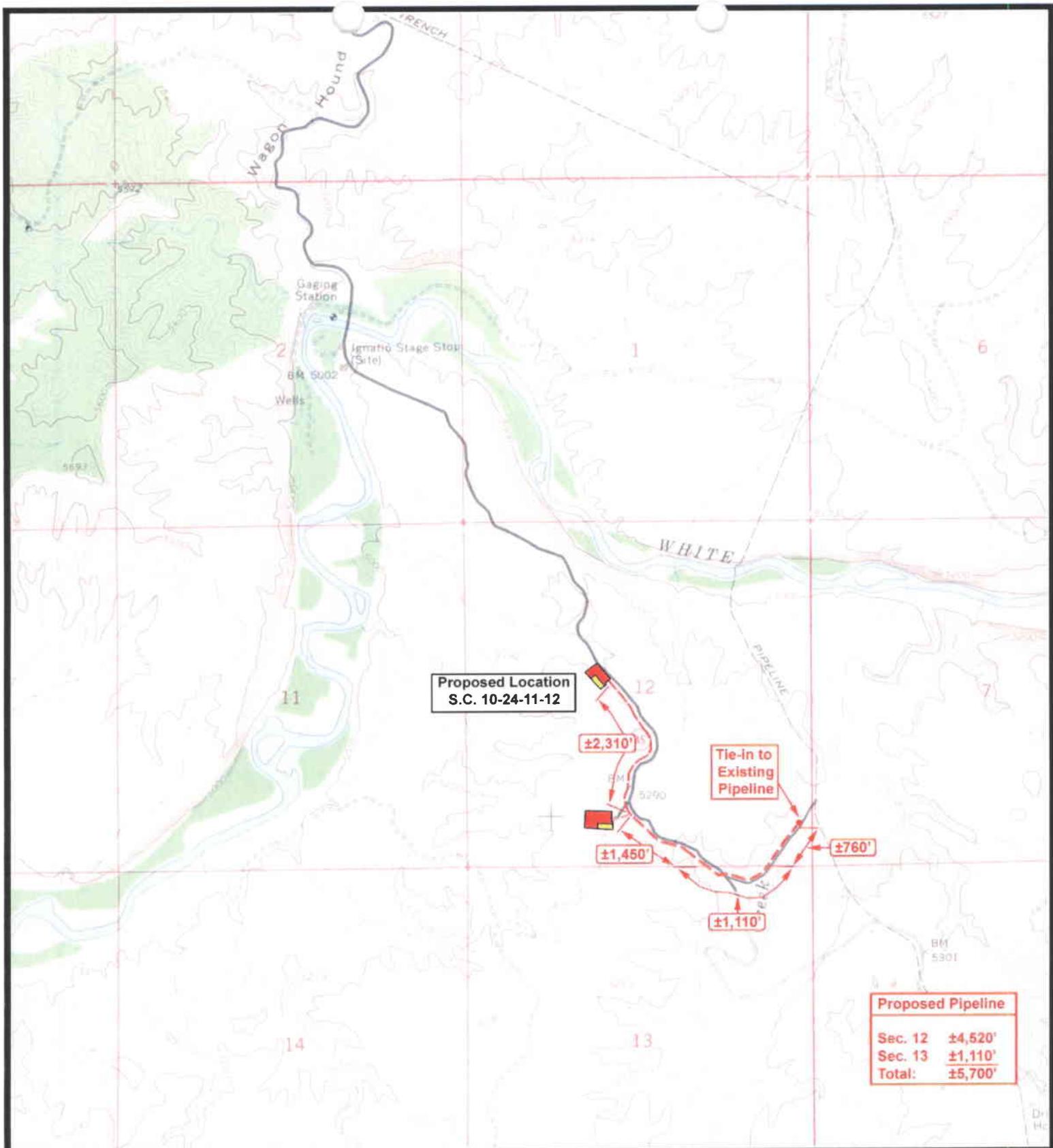
TOPOGRAPHIC MAP

**"C"**

SHEET

**9**

OF 10



**ENDURING RESOURCES**

**Southam Canyon 10-24-11-12  
Sec. 12, T10S, R24E, 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: 03-16-2006

**Legend**

- Existing Road
- Proposed Access
- Proposed Gas Line

TOPOGRAPHIC MAP

**"D"**

SHEET

**10**  
OF 10



**CENTER STAKE**

Date Photographed: 03/14/2006  
Date Drawn: 03/16/2006  
Drawn By: mw

**LOOKING WEST  
ACCESS**

  
**ENDURING RESOURCES**  
**S.C. 10-24-11-12**

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





NORTH

  
ENDURING RESOURCES  
S.C. 10-24-11-12

Date Photographed: 03/14/2006  
Date Drawn: 03/16/2006  
Drawn By: mw

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

EAST





SOUTH

  
ENDURING RESOURCES  
S.C. 10-24-11-12

Date Photographed: 03/14/2006  
Date Drawn: 03/16/2006  
Drawn By: mw

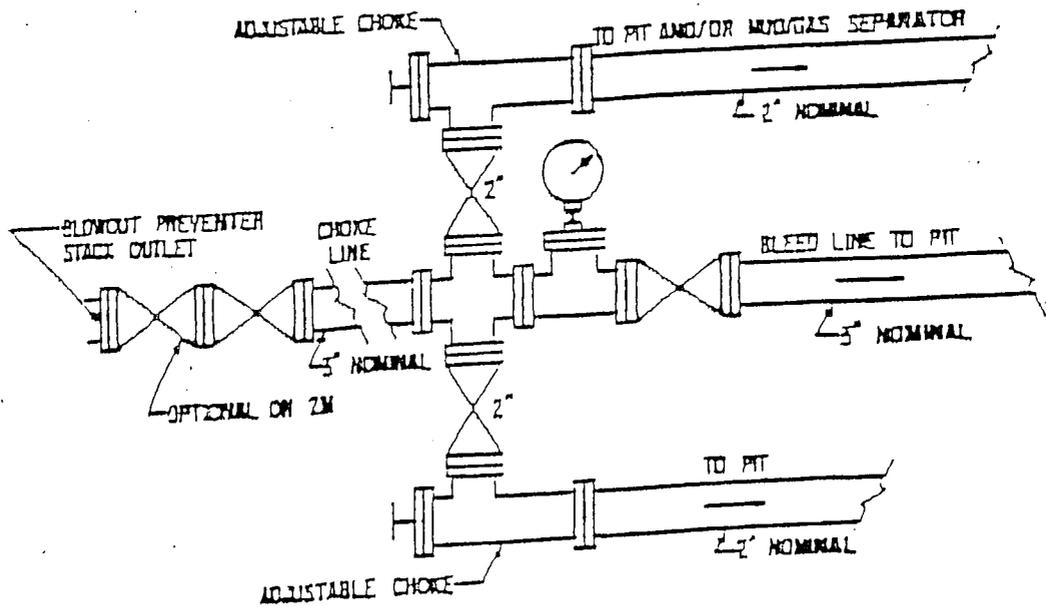
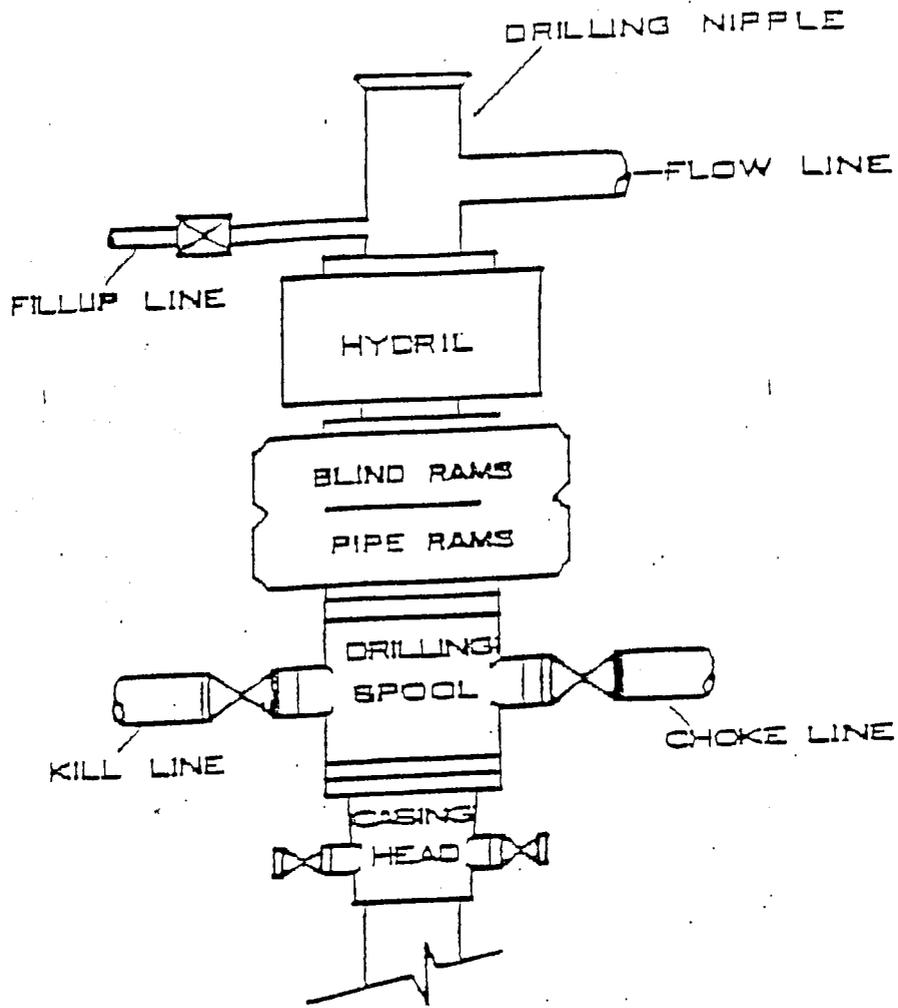
  
Tri-State  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

WEST



3,000 PSI

# BOP STACK



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/20/2006

API NO. ASSIGNED: 43-047-38025

WELL NAME: SOUTHAM CYN 10-24-11-12  
 OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  
 CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

SENW 12 100S 240E  
 SURFACE: 2392 FNL 2066 FWL  
 BOTTOM: 0659 FNL 0659 FWL *NWNW*  
 COUNTY: UINTAH  
 LATITUDE: 39.96412 LONGITUDE: -109.1639  
 UTM SURF EASTINGS: 656818 NORTHINGS: 4425179  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-75518  
 SURFACE OWNER: 1 - Federal

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: \_\_\_\_\_

STIPULATIONS: 1- Federal Approval

2- Spacing Strip

S R24E

OS R25E

# NATURAL BUTTES FIELD

BHL  
10-24-11-12

SOUTHAM CYN  
10-24-11-12

SOUTHAM CYN 10-24-24-12

OPERATOR: ENDURING RES LLC (N2750)

SEC: 12 T. 10S R. 24E

FIELD: NATURAL BUTTES (630)

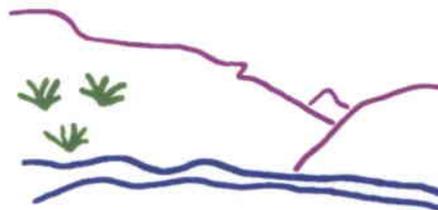
COUNTY: UINTAH

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: 27-APRIL-2006



**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*

April 27, 2006

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

Re: Southam Canyon 10-24-11-12 Well, Surface Location 2392' FNL,  
2066' FWL, SE NW, Sec. 12, T. 10 South, R. 24 East, Bottom Location  
659' FNL, 659' FWL, NW NW, Sec. 12, T. 10 South, R. 24 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 43-047-38025.

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** Southam Canyon 10-24-11-12  
**API Number:** 43-047-38025  
**Lease:** UTU-75518

**Surface Location:** SE NW      **Sec.** 12      **T.** 10 South      **R.** 24 East  
**Bottom Location:** NW NW      **Sec.** 12      **T.** 10 South      **R.** 24 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. 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. 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.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-75518

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
n/a

7. UNIT or CA AGREEMENT NAME:  
n/a

8. WELL NAME and NUMBER:  
Southam Canyon 10-24-11-12

9. API NUMBER:  
4304738025

10. FIELD AND POOL, OR WILDCAT:  
Undesignated

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR:  
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: 2372' FNL - 2066' FWL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 24E S 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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: 4/27/2007  
TO: 4/27/2008

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-26-07  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 4-27-07  
Initials: RM

NAME (PLEASE PRINT) Evette Bissett TITLE Regulatory Affairs Assistant

SIGNATURE [Signature] DATE 4/20/2007

(This space for State use only)

RECEIVED  
APR 26 2007

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

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

**API:** 4304738025  
**Well Name:** Southam Canyon 10-24-11-12  
**Location:** 2392' FNL - 2066' FWL, SENW, Sec 12, T10S-R24E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 4/27/2006

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

*Quetta Bissett*  
Signature

4/20/2007  
Date

**Title:** Regulatory Affairs Assistant

**Representing:** Enduring Resources, LLC

RECEIVED  
APR 26 2007

DIV. OF OIL, GAS & MIN.

**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: UTU-75518
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: Enduring Resources, LLC		8. WELL NAME and NUMBER: Southam Canyon 10-24-11-12
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304738025
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2372' FNL - 2066' FWL		10. FIELD AND POOL, OR WILDCAT: Undesignated
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 24E S		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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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 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: 4/26/2008  
TO: 4/26/2009

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-29-08  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 5.1.2008  
Initials: KS

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/21/2008</u>

(This space for State use only)

**RECEIVED**  
**APR 24 2008**

RESET

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

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

**API:** 4304738025  
**Well Name:** Southam Canyon 10-24-11-12  
**Location:** 2392' FNL - 2066' FWL, SENW, Sec 12, T10S-R24E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 4/27/2006

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.

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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

  
\_\_\_\_\_  
Signature

4/21/2008  
\_\_\_\_\_  
Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

RECEIVED

APR 24 2008

DIV. OF OIL, GAS & MINING

**CONFIDENTIAL**

**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-75518
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: 2372' FNL - 2066' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 12 10S 24E S		8. WELL NAME and NUMBER: Southam Canyon 10-24-11-12
		9. API NUMBER: 4304738025
		10. FIELD AND POOL, OR WILDCAT: Undesignated
		COUNTY: Uintah
		STATE: UTAH

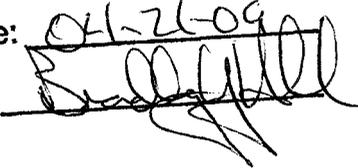
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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: Request for APD Extension
	<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 requests a one year extension of the expiration date of this Application for Permit to Drill.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 04-22-09  
By: 

COPY SENT TO OPERATOR  
Date: 4-22-2009  
Initials: KS

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE 	DATE 4/20/2009

(This space for State use only)

**RECEIVED**  
**APR 20 2009**



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

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

**API:** 4304738025  
**Well Name:** Southam Canyon 10-24-11-12  
**Location:** 2392' FNL - 2066' FWL, SENW, Sec 12, T10S-R24E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 4/27/2006

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

  
Signature

4/20/2009  
Date

Title: Administrative Assistant

Representing: Enduring Resources, LLC

RECEIVED

APR 20 2009

DEPT. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Green River District-Vernal Field Office

170 South 500 East

Vernal, UT 84078

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

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



IN REPLY REFER TO:

3160

UTG011

March 25, 2010

Alvin R. (Al) Arlian  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, CO 80202

43-047-38025

Re: Notice of Lease Expiration  
Well No. Southam Canyon 10-24-11-12  
SENW, Sec. 12, T10S, R24E  
Uintah County, Utah  
Lease No. UTU-75518

Dear Mr. Arlian:

The Application for Permit to Drill for the above referenced well, Southam Canyon 10-24-11-12, received in this office on April 20, 2006 is being returned unapproved. According to our records, Federal Lease UTU-75518 expired by its own terms and conditions, effective October 31, 2007, and the case was closed at the BLM Utah State Office on November 17, 2007.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

*Cindy Severson*

Cindy Severson  
Land Law Examiner

cc: UDOGM

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APR 01 2010

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-75518
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> SOUTHAM CYN 10-24-11-12
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC	<b>9. API NUMBER:</b> 43047380250000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 350-5114 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2392 FNL 2066 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 12 Township: 10.0S Range: 24.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/27/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____

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

Request an one-year extension to APD termination date.

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

**Date:** May 03, 2010

**By:**

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/27/2010



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047380250000**

**API:** 43047380250000

**Well Name:** SOUTHAM CYN 10-24-11-12

**Location:** 2392 FNL 2066 FWL QTR SENW SEC 12 TWNP 100S RNG 240E MER S

**Company Permit Issued to:** ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 4/27/2006

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 rightof- 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

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

**Signature:** Alvin Arlian

**Date:** 4/27/2010

**Title:** Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

**Date:** May 03, 2010

**By:** 



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 26, 2011

Al Arlian  
Enduring Resources, LLC  
475-17<sup>th</sup> Street, Ste. 1500  
Denver, CO 80202

Re: APD Rescinded – Southam Canyon 10-24-11-12, Sec.12 T.10S, R.24E  
Uintah County, Utah API No. 43-047-38025

Dear Mr. Arlian:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on April 27, 2006. On April 26, 2007, April 29, 2008, April 21, 2009 and May 3, 2010 the Division granted a one-year APD extension. On April 25, 2011, you requested that the APD be rescinded. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective April 26, 2011.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal

