



***Enduring Resources***

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

November 10, 2005

Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

Attention: Leslie Wilcken

**RE: Asphalt Wash #10-23-24-29  
SESW Sec. 29, T10S-R23E  
Uintah County, Utah  
Application for Permit to Drill**

Dear Ms. Wilken:

Enclosed are three original applications to drill concerning the above-referenced proposed well. This information was also submitted to the State of Utah - Division of Oil, Gas, and Mining.

Enduring Resources, LLC is requesting this application and all future information be held as confidential as long as permitted.

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 as stated:

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

November 11, 2005

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: Asphalt Wash 10-23-24-29  
Application for Permit to Drill**

Dear Ms. Whitney

Attached are two original applications 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**

**NOV 16 2005**

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

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: UTU-075109	6. SURFACE: Federal
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 checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Enduring Resources, LLC			9. WELL NAME and NUMBER: Asphalt Wash 10-23-24-29	
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>Unconsolidated</del> <i>Natural Obstacles</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1,802 FWL - 831' FSL (SESW) <i>640767 X 39.914905</i> AT PROPOSED PRODUCING ZONE: Same <i>4419401 Y -109.353026</i>			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 29 10S 23E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 77.8 miles Southeasterly from Vernal, Utah			12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1,990'	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) n/a	19. PROPOSED DEPTH: 7,370	20. BOND DESCRIPTION: RLB0008031		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5135' KB-RT	22. APPROXIMATE DATE WORK WILL START: 1/15/2006	23. ESTIMATED DURATION: 20 days		

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14" line pipe	40	3 yards	Ready Mix		
11"	8-5/8" J-55 24#	2,000	Premium Lead	138 sxs	3.50	11.1
			Premium Tail	138 sxs	1.15	15.8
7-7/8"	4-1/2" N-80 11.6#	7,241	Class G	115 sxs	3.3	11.0
			50/50 Poz Class G	792 sxs	1.56	14.3

25. **ATTACHMENTS**

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

**CONFIDENTIAL**

- |  |  |
|--|--|
| <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 |

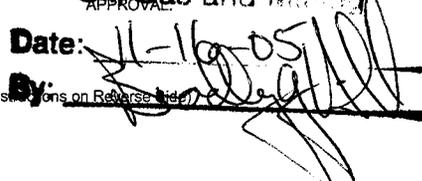
NAME (PLEASE PRINT) Alvin R. (AI) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE  DATE 11/10/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-37387

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

**RECEIVED  
NOV 16 2005**

Date: 11-16-05  
By: 

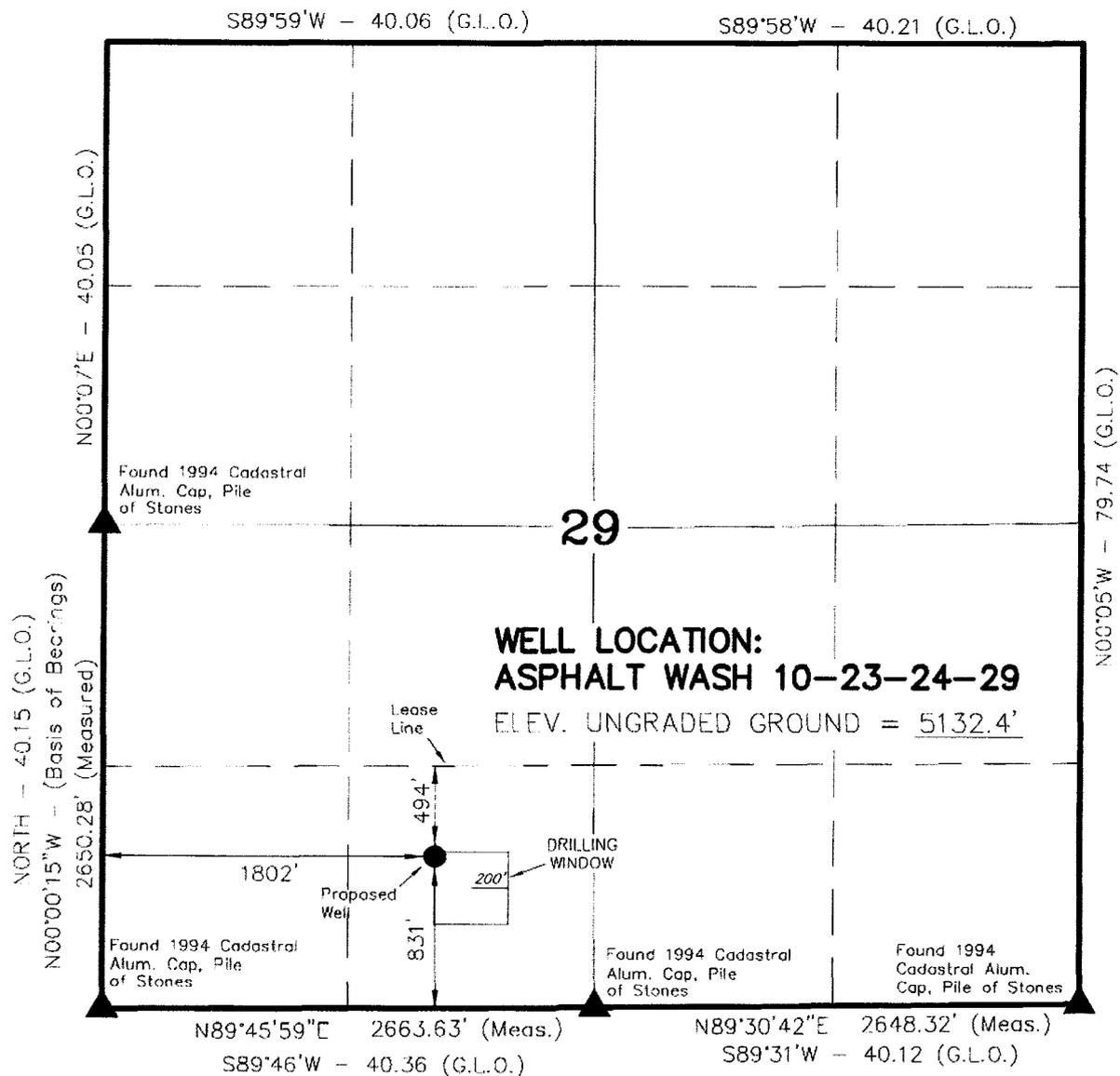
DIV. OF OIL, GAS & MINING

**Federal Approval of this  
Action is Necessary**

(See Instructions on Reverse Side)

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

# ENDURING RESOURCES



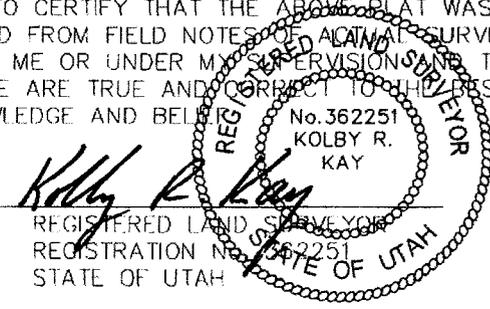
WELL LOCATION, ASPHALT WASH 10-23-24-29, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 29, T10S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



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



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

**ASPHALT WASH 10-23-24-29  
 (Proposed Well Head)  
 NAD 83 Autonomous  
 LATITUDE = 39° 54' 53.6"  
 LONGITUDE = 109° 21' 13.8"**

**TIMBERLINE LAND SURVEYING, INC.**  
 38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (435) 789-1365

DATE SURVEYED: 5-31-05	SURVEYED BY: K.R.K.	<b>SHEET 2 OF 10</b>
DATE DRAWN: 6-23-05	DRAWN BY: C.B.T.	
SCALE: 1" = 1000'	Date Last Revised:	

**Enduring Resources, LLC  
Asphalt Wash #10-23-24-29  
SESW Sec. 29 T10S-R23E  
Uintah County, Utah  
Lease # UTU-075109**

**ONSHORE ORDER 1 - DRILLING PLAN**

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

Formation	Depth (K.B.)
Uinta	Surface
Green River	246'
Wasatch	3429'
Mesaverde	5191'

**2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals: (5135.5' estimated KB)**

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5135'	
Oil / Gas	Green River	246'
Oil /Gas	Wasatch	3,429'
Oil /Gas	Mesaverde	5,191'
	Estimated TD	7,370'

**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*.

Single Shot directional surveys will be dropped every 2000 feet. Maximum allowable angle is 5 degrees.

#### 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 - 7,370' (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)
7,370' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.86 (d)	7780/2.21 (e)	223/3.04 (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	1500	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	1313	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	115	25	11.0	3.3
4-1/2"	Tail	4341	50/50 POZ Class G + 2% gel +1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	792	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'-7370' (KB)	8.8-10.2	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 3,832 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,211 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.

**Enduring Resources, LLC  
Asphalt Wash 10-23-24-29  
SESW Sec. 29 T10S-R23E  
Uintah County, Utah  
Lease # UTU 75109**

**ONSHORE OIL & GAS ORDER NO. 1  
MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. Existing Roads:**

Directions to the proposed location are as follows:

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 5.5 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 720 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 77.8 MILES IN A SOUTHEASTERLY DIRECTION.

## 2. Planned Access Roads:

The proposed access road will be approximately 720 feet of new construction (ON-LEASE). No new access road construction or surface disturbance (OFF-LEASE) will be needed. Access to the proposed new access road will be by using existing county roads. County Class B Road is bladed, ditched and crowned, no upgrading is anticipated. 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 radius of the proposed location.

- a. None: Water Wells:
- b. None: Injection Wells:
- c. Four: Producing Wells:
  - 1. Rock House 2D-32
  - 2. Rock House 6D-32
  - 3. Rock House 12D-32
  - 4. Rock House 10D-32
- d. None: Drilling Wells:
- e. None: Shut-in Wells:
- f. None: Temporarily Abandoned Wells:
- g. None: Disposal Wells:
- h. One: Abandoned Wells:
- i. None: Dry Holes:
- j. None: Observation Wells:

**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	1,975'	BLM
	OFF-LEASE	715'	State of Utah

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 2,690 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

- a. ON-LEASE approximately 1,975 feet, and
- b. OFF-LEASE approximately 715 feet of 4 inch or less diameter steel, unpainted, welded gas gathering line is proposed.

The proposed pipeline will begin at the well site; continue along the lease road northeasterly to the existing county road, then go south along the road 1,970 feet to a tie-in point into an existing 4" pipeline which ties into The Houston Exploration Company Rock House #2D-32 Well location in the NWNE of Section 32, Township 10 South Range 23 East.. The proposed gathering line will be placed above ground adjacent to the proposed and existing access route. The line will be welded together and pulled from the well site location and tie-in point when practical; however, it may be necessary to utilize the access road for welding of the line. The line will then be boomed off to the side of the road. The gas meter run will be located within 500 feet of the wellhead. 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:**

Water will be obtained from the White River by Tu and Frum, Inc. Water User Claim #49-2185, Application #T75517, or by Target Trucking Water User Claim #43-2195, or by Dalbo Inc. Water User Claim #43-8496

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

No water well is to be drilled on this lease.

**6 Source of Construction Materials:**

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

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

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

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

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

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

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

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

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

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

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

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

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

**8. Ancillary Facilities:**

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

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

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material 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:****11. Surface Ownership: Location, Access and Pipeline Route:**

Wellsite: Bureau of Land management

Access: Bureau of Land management

Pipeline: Bureau of Land management, and  
State of Utah (SITLA)

**12. Other Information**

**On-site Inspection for Location, Access and Pipeline Route:**

The on-site was scheduled on October 10, 2005.

**Special Conditions of Approval:**

- a. Lease No. UTU-77226, contains the following stipulations:
  - 1. **Severe Soil Erosion**, does not impact wellsite, pipeline, or new access,
  - 2. **Visual Resources**, does not impact wellsite, pipeline, or new access,
  - 3. **Raptor habitat**, does not impact wellsite, pipeline, or new access, and
  - 4. **Veiwpoint**, does not impact wellsite, pipeline, or new access.

**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 Representative and Certification:**

**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)

Frank Hutto  
Vice President – Operations  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
Office Tel: 303-573-5102  
Fax Tel: 303-573-0461  
[fhutto@enduringresources.com](mailto:fhutto@enduringresources.com)

**Certification:**

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Enduring Resources, LLC is considered to be the operator of the subject well. Enduring Resources, LLC agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 DFR 3104 for the lease activities is being provided by BLM Statewide bond #UTB000173.

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 with currently exist; that the statement made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by enduring resources, LLC and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Alvin R. Arlian  
Landman-Regulatory-Specialist



Date:

**Enduring Resources, LLC  
Asphalt Wash 10-23-24-29  
SESW Sec. 29 T10S-R23E  
Uintah County, Utah  
Lease # UTU 75109**

**Directions:**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 5.5 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 720 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 77.8 MILES IN A SOUTHEASTERLY DIRECTION.



PHOTO VIEW: FROM CORNER #3 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

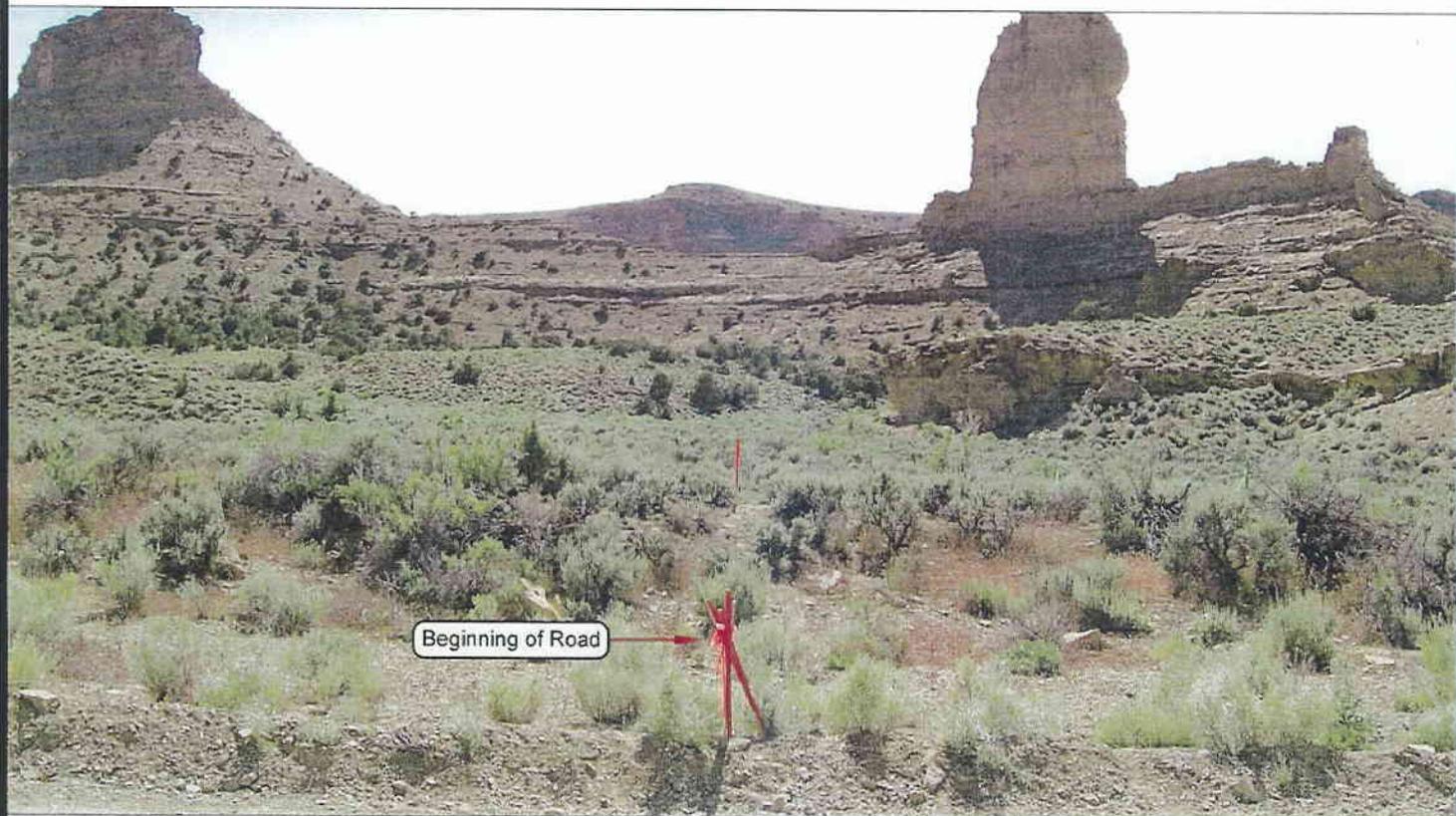


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHWESTERLY

**ENDURING RESOURCES**

**Asphalt Wash 10-23-24-29  
SECTION 29, T10S, R23E, S.L.B.&M.  
831' FSL & 1802' FWL**

**LOCATION PHOTOS**

TAKEN BY: K.R.K.

DRAWN BY: B.J.S.

DATE TAKEN: 05-31-05

DATE DRAWN: 07-07-05

REVISED:

**Timberline Land Surveying, Inc.**

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

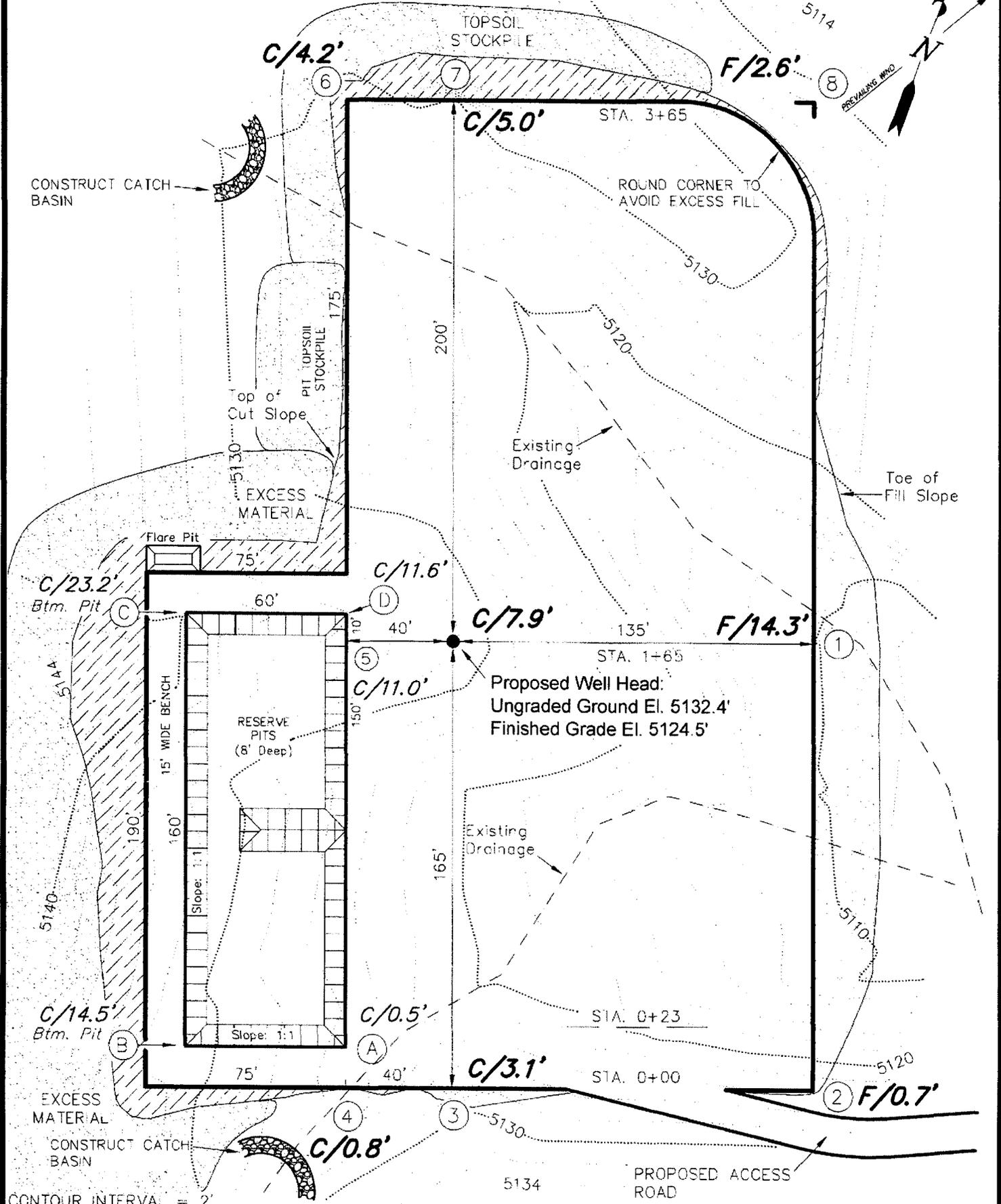
SHEET

1

OF 10

# DURING RESOURCE

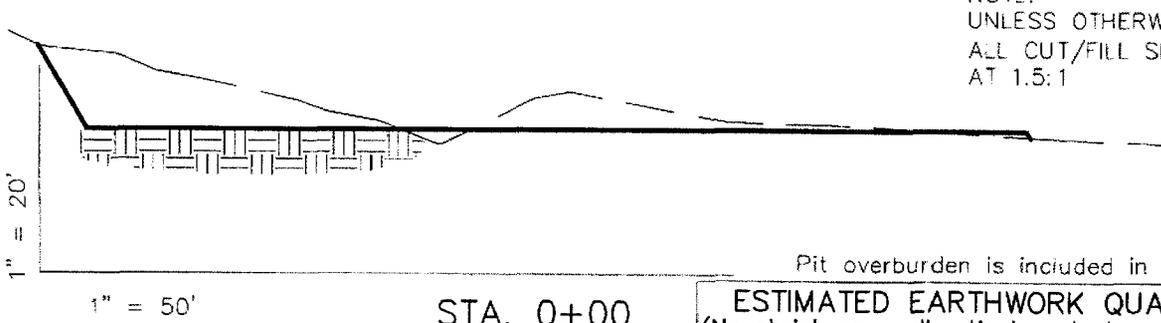
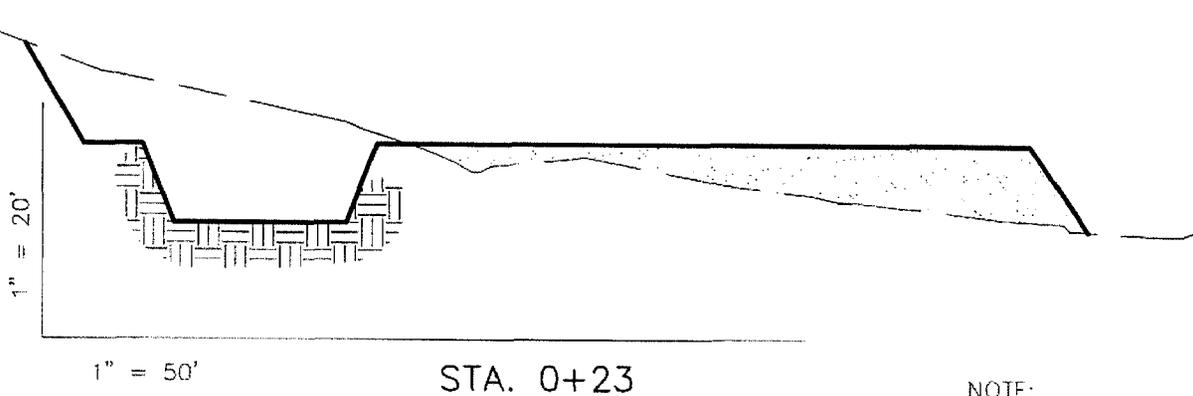
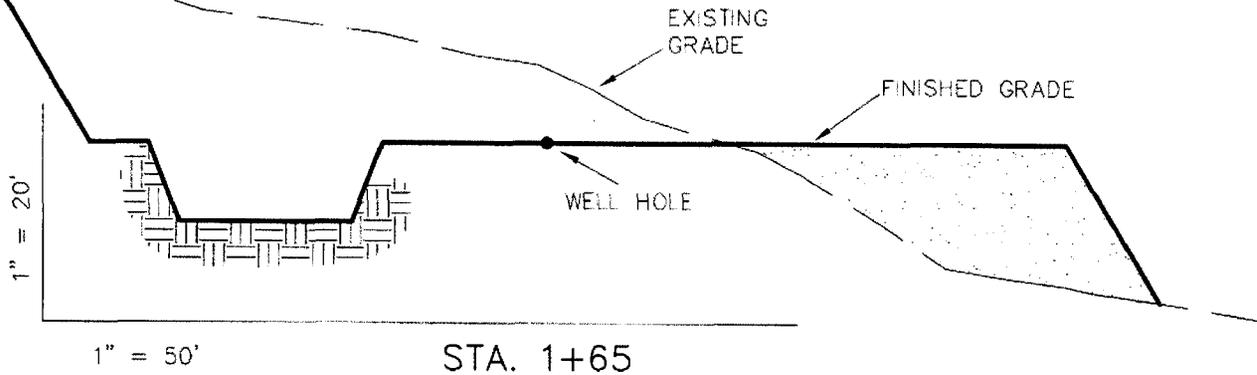
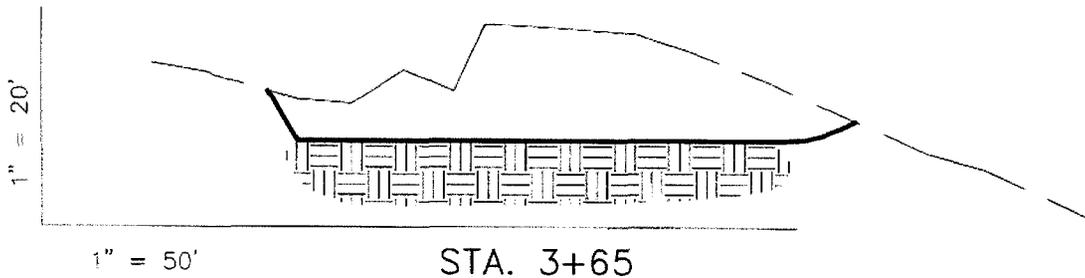
## CUT SHEET - ASPHALT WASH 10-23-24-29



Section 29, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: SE SW	Footage Location: 831' FSL 1802' FWL
Date Surveyed: 5-31-05	Date Drawn: 6-23-05	Date Last Revision:	<b>Timberline</b> <i>Land Surveying, Inc.</i> (435) 789-1365 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: C.B.T.	Scale: 1" = 50'	
			<b>SHEET</b> <span style="font-size: 2em;">3</span> <b>OF 10</b>

# ENDURING RESOURCES

## CROSS SECTIONS - ASPHALT WASH 10-23-24-29



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

Pit overburden is included in pad cut.

### REFERENCE POINTS

185' Northeasterly	5106.9'
235' Northeasterly	5103.9'
215' Southeasterly	5137.9'
265' Southeasterly	5145.3'

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

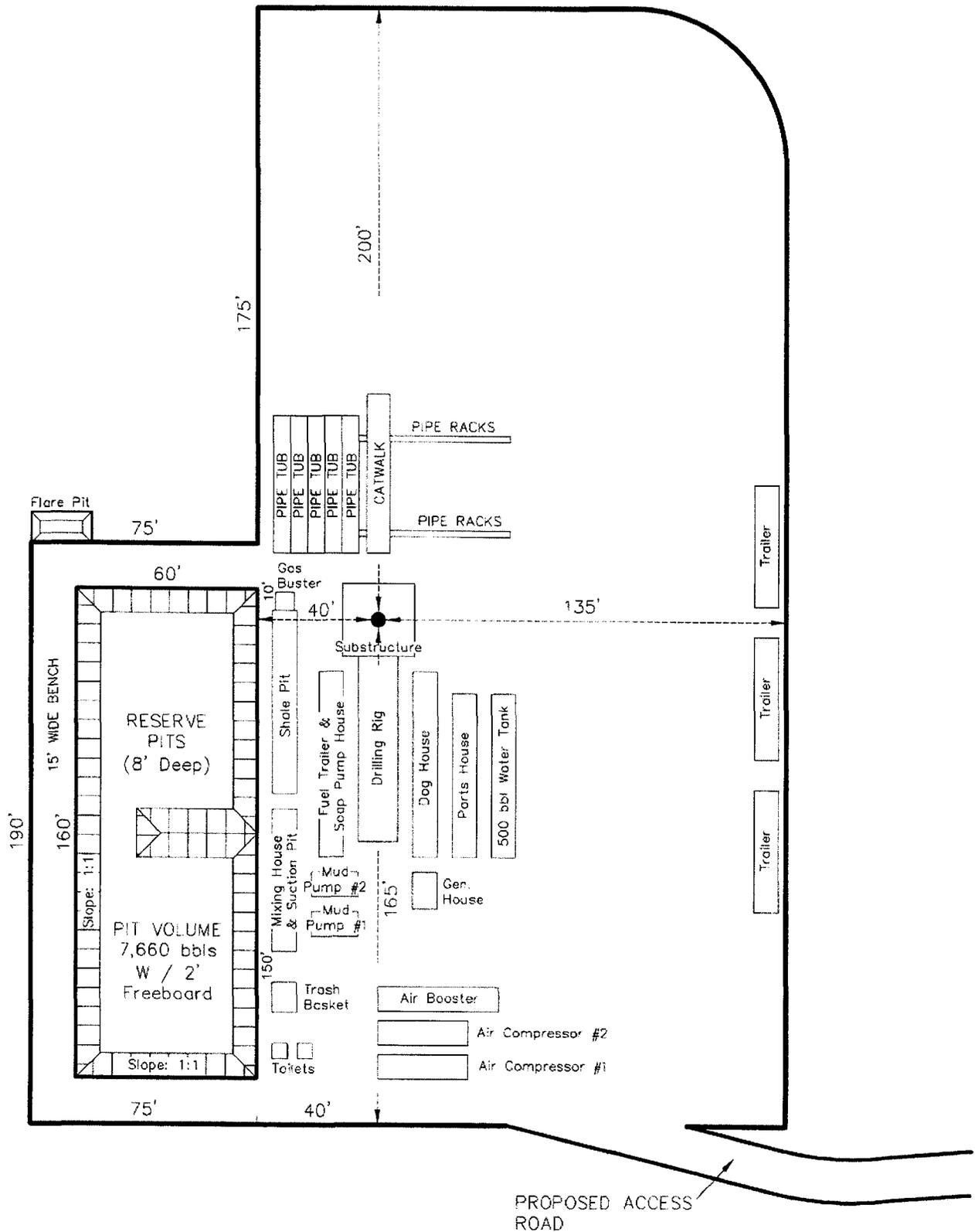
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	10,230	11,360	Topsoil is not included in Pad Cut	-1,140
PIT	2,270	0		2,270
<b>TOTALS</b>	<b>12,500</b>	<b>11,360</b>	<b>1,450</b>	<b>1,140</b>

Excess Material after Pit Rehabilitation = 0 Cu. Yds.

Section 29, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: SE SW	Footage Location: 831' FSL 1802' FWL	
Date Surveyed: 5-31-05	Date Drawn: 6-23-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078	
Surveyed By: K.R.K.	Drawn By: C.B.T.	Scale: 1" = 50'		
			<b>SHEET</b>	<b>4</b>
			<b>OF 10</b>	

# DURING RESOURCE

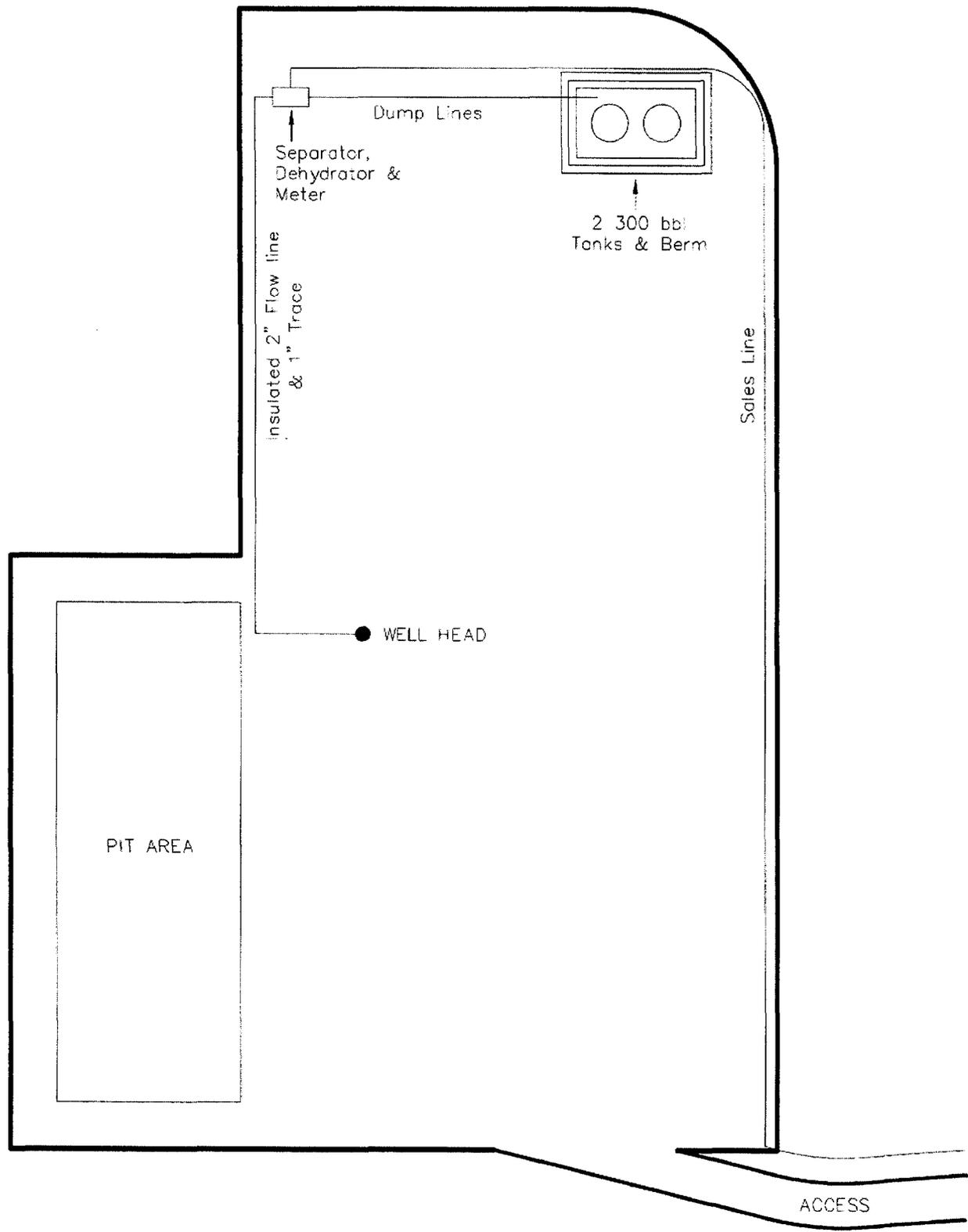
## TYPICAL RIG LAYOUT - ASPHALT WASH 10-23-24-29



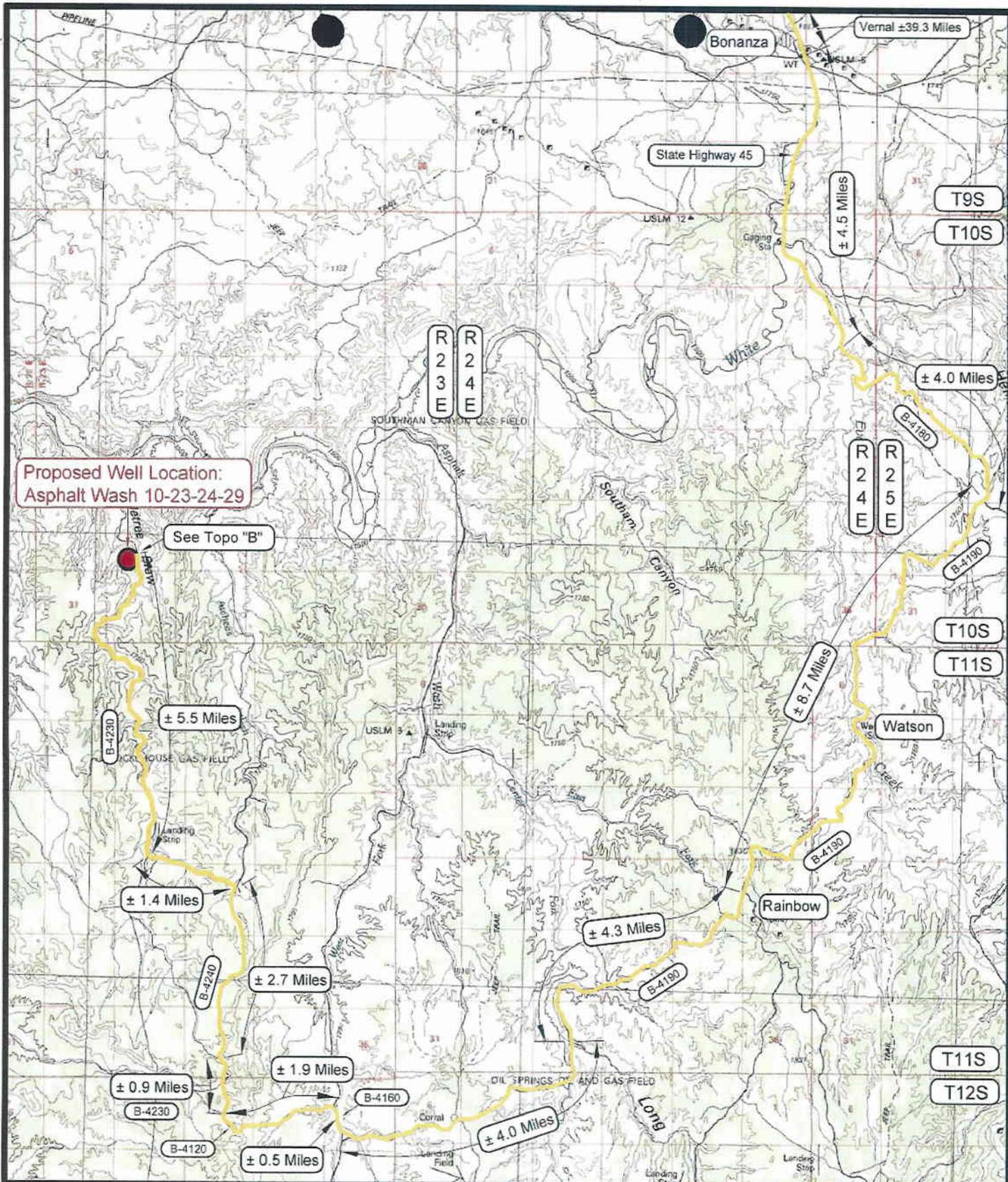
Section 29, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: SE SW	Footage Location: 831' FSL 1802' FWL
Date Surveyed: 5-31-05	Date Drawn: 6-23-05	Date Last Revision:	<b>Timberline</b> <i>Land Surveying, Inc.</i> <small>(435) 789-1365</small> <small>38 WEST 100 NORTH VERNAL, UTAH 84078</small>
Surveyed By: K.R.K.	Drawn By: C.B.T.	Scale: 1" = 50'	
			SHEET 5 OF 10

# INDURING RESOURCES

TYPICAL PRODUCTION LAYOUT - ASPHALT WASH 10-23-24-29



Section 29, T10S, R23E, S.L.B.&M.		Qtr/Qtr Location: SE SW	Footage Location: 831' FSL 1802' FWL
Date Surveyed: 5-31-05	Date Drawn: 6-23-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: C.B.T.	Scale: 1" = 50'	
			SHEET <span style="font-size: 2em;">6</span> OF 10



**LEGEND**

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

**TOPOGRAPHIC MAP "A"**

DATE SURVEYED: 05-31-05

DATE DRAWN: 07-07-05

SCALE: 1:10,000'

DRAWN BY: B.J.S.

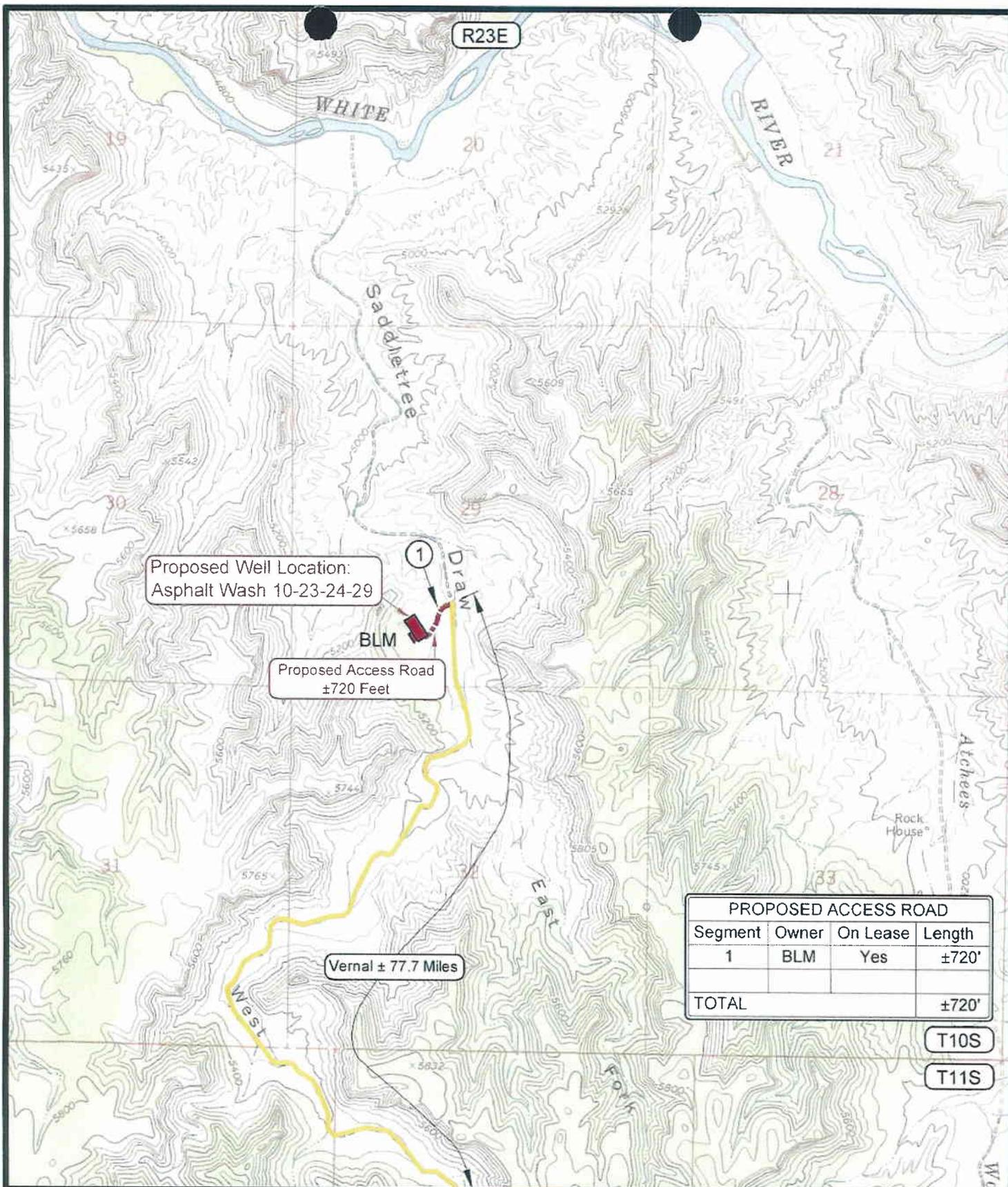
REVISED:

**ENDURING RESOURCES**

**Asphalt Wash 10-23-24-29**  
**SECTION 29, T10S, R23E, S.L.B.&M.**  
**831' FSL & 1802' FWL**

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

**SHEET**  
**7**  
**OF 10**



Proposed Well Location:  
Asphalt Wash 10-23-24-29

Proposed Access Road  
±720 Feet

Vernal ± 77.7 Miles

PROPOSED ACCESS ROAD			
Segment	Owner	On Lease	Length
1	BLM	Yes	±720'
TOTAL			±720'

T10S  
T11S

**LEGEND**

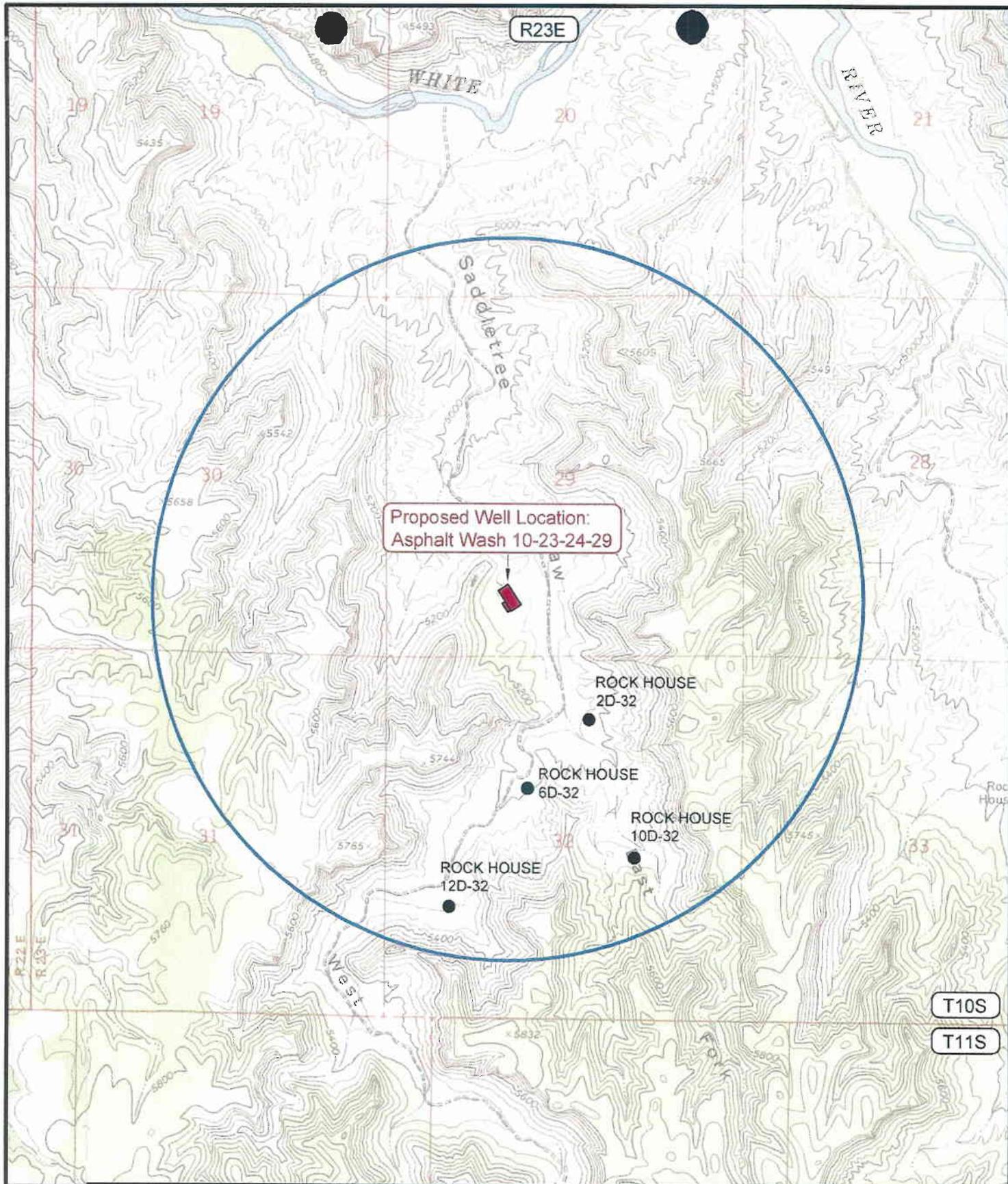
- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = SHARED ACCESS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- (B-5460) = COUNTY ROAD CLASS & NUMBER
- = LEASE LINE AND / OR PROPERTY LINE

**ENDURING RESOURCES**

**Asphalt Wash 10-23-24-29**  
**SECTION 29 , T10S, R23E, S.L.B.&M.**  
**831' FSL & 1802' FWL**

<b>TOPOGRAPHIC MAP "B"</b>	DATE SURVEYED: 05-31-05
SCALE: 1" = 2000'	DATE DRAWN: 07-07-05
DRAWN BY: B.J.S.	REVISED: 07-21-05

<b>Timberline Land Surveying, Inc.</b>	<b>SHEET 8 OF 10</b>
38 West 100 North Vernal, Utah 84078 (435) 789-1365	



Proposed Well Location:  
Asphalt Wash 10-23-24-29

### ENDURING RESOURCES

**Asphalt Wash 10-23-24-29**  
**SECTION 29, T10S, R23E, S.L.B.&M.**  
**831' FSL & 1802' FWL**

#### LEGEND

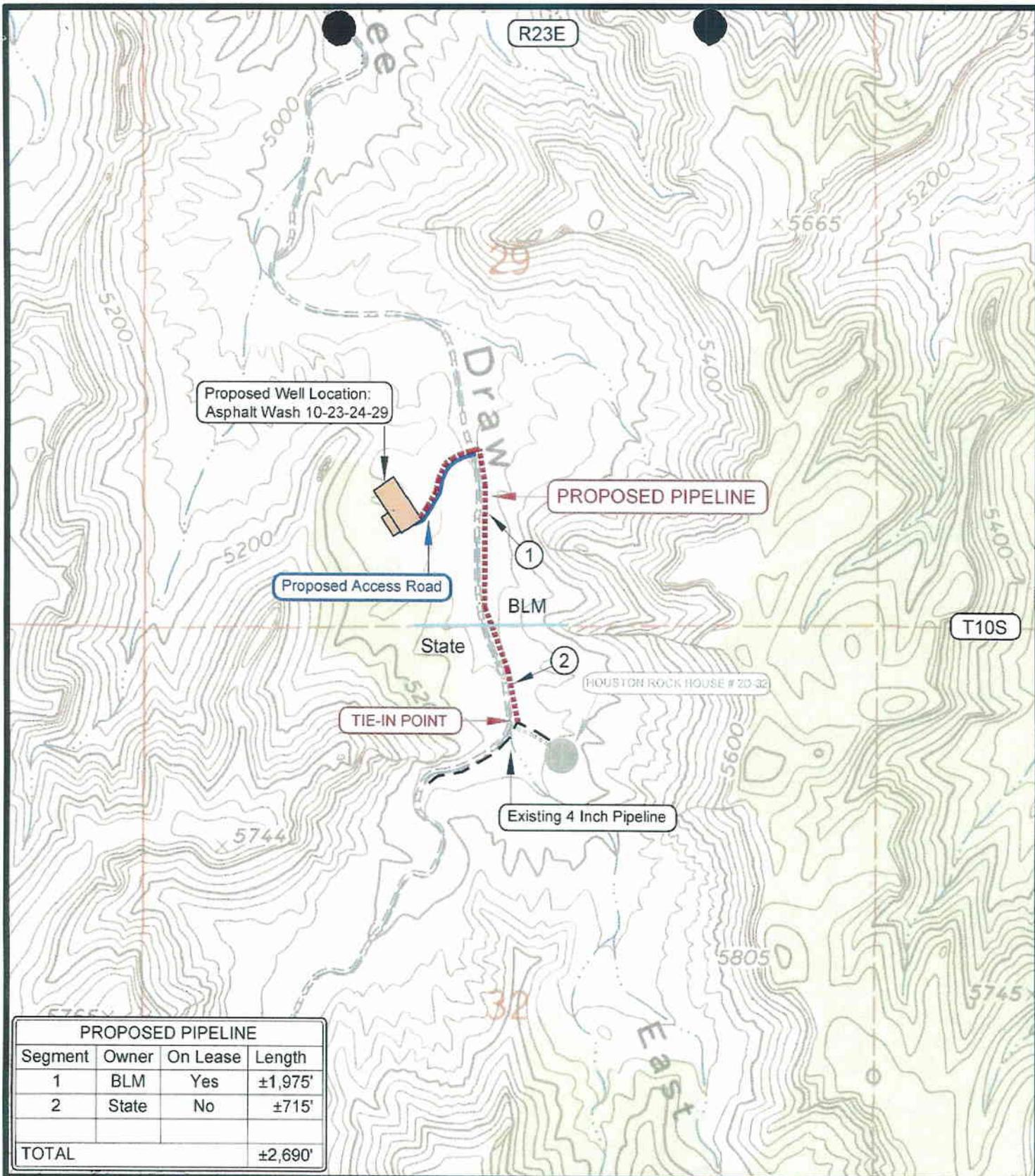
- ⊘ = DISPOSAL WELL
- = PRODUCING WELL
- = SHUT IN WELL
- ⊘ = WATER WELL
- = ABANDONED WELL
- = TEMPORARILY ABANDONED WELL



<b>TOPOGRAPHIC MAP "C"</b>		DATE SURVEYED: 05-31-05
SCALE: 1" = 2000'	DRAWN BY: B.J.S	DATE DRAWN: 07-07-05
		REVISED:

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

**SHEET**  
**9**  
**OF 10**



Proposed Well Location:  
Asphalt Wash 10-23-24-29

PROPOSED PIPELINE

Proposed Access Road

BLM

State

T10S

TIE-IN POINT

HOUSTON ROCK HOUSE # 20 32

Existing 4 Inch Pipeline

PROPOSED PIPELINE			
Segment	Owner	On Lease	Length
1	BLM	Yes	±1,975'
2	State	No	±715'
TOTAL			±2,690'

LEGEND

- = EXISTING PIPELINE
- = PROPOSED PIPELINE
- = PROPOSED ACCESS ROAD
- = LEASE LINE AND / OR PROPERTY LINE

ENDURING RESOURCES

**Asphalt Wash 10-23-24-29**  
**SECTION 29, T10S, R23E, S.L.B.&M.**  
**831' FSL & 1802' FWL**

TOPOGRAPHIC MAP "D"	DATE SURVEYED: 05-31-05
	DATE DRAWN: 07-07-05
SCALE: 1" = 1000'	DRAWN BY: B.J.S.
	REVISED: 07-21-05

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

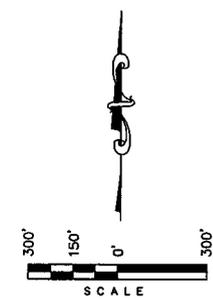
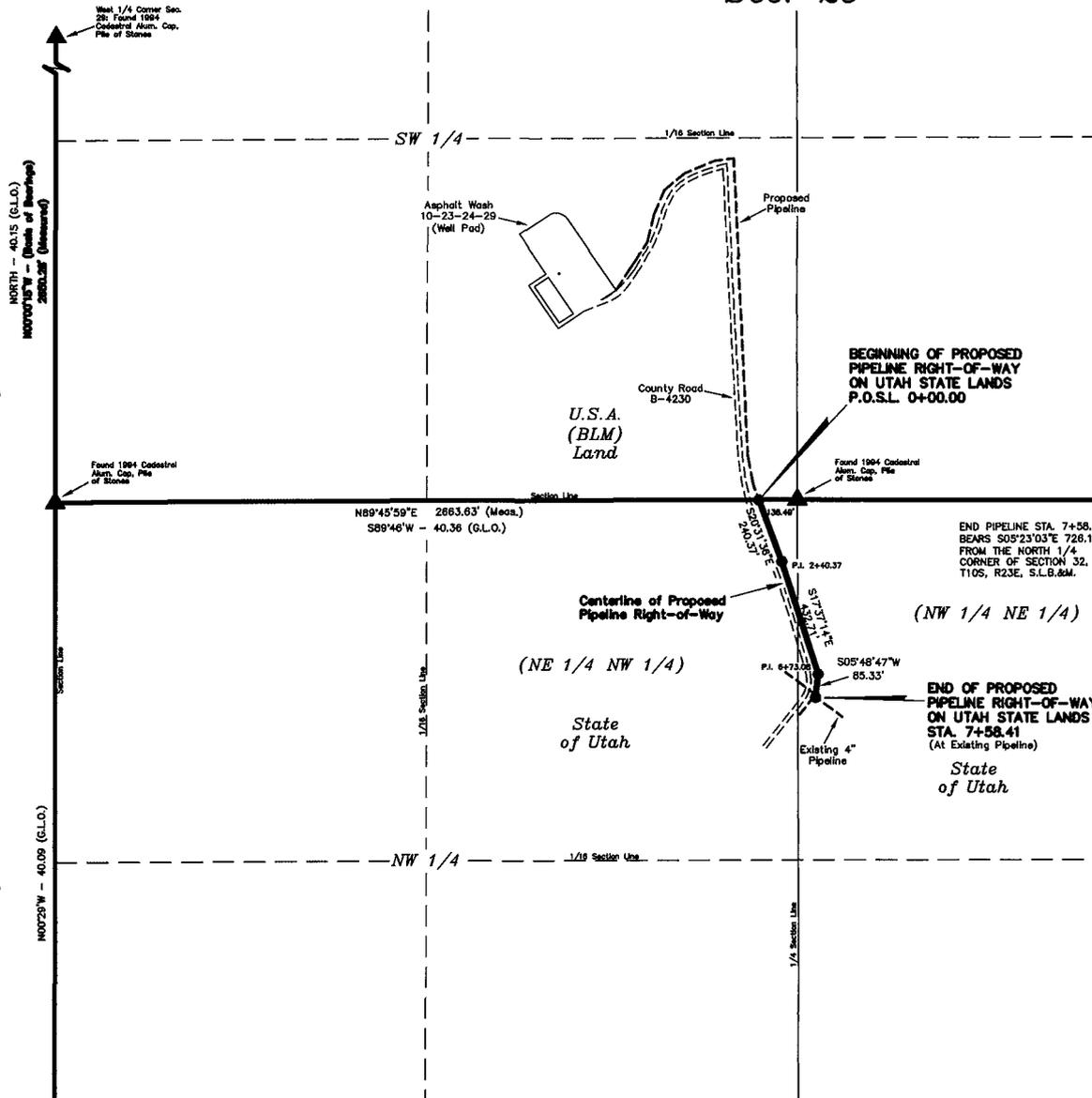
SHEET  
**10**  
 OF 10

Sec. 29

**ENDURING RESOURCES**

**PROPOSED PIPELINE RIGHT-OF-WAY  
ON UTAH STATE LANDS**

Located in  
Section 32, T10S, R23E, S.L.B.&M.  
UINTAH COUNTY, UTAH



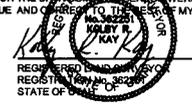
**DESCRIPTION**

A 30' WIDE RIGHT-OF-WAY LOCATED IN THE NORTH 1/2 OF SECTION 32, T10S, R23E, S.L.B.&M. THE RIGHT-OF-WAY BEING 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NW 1/4 OF SECTION 32, T10S, R23E, S.L.B.&M. WHICH BEARS S89°45'59"W 138.49' FROM THE NORTH 1/4 CORNER OF SAID SECTION, THENCE S20°31'36"E 240.37'; THENCE S17°37'14"E 432.71'; THENCE S05°48'47"W 85.33' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION WHICH BEARS S05°23'03"E 728.18' FROM THE NORTH 1/4 CORNER OF SAID SECTION. BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SECTION 29, T10S, R23E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°00'15"W WITH A MEASURED DISTANCE OF 2650.28'. CONTAINS 0.52 ACRES MORE OR LESS.

**SURVEYOR'S CERTIFICATE**

I KOLBY R. KAY, UTAH COUNTY, UTAH, DO HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL SURVEYOR AND THAT I HOLD CERTIFICATE #562201 AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH. I HEREBY CERTIFY THAT THIS PLAN AND ITS COMPUTATIONS AND FIELD SURVEYS NECESSARY FOR THE DATA CONTAINED HEREON WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Sec. 32

PIPELINE RIGHT-OF-WAY LENGTHS	
STATE OF UTAH LANDS	Section 32 = 758.41'
TOTAL STATE OF UTAH =	758.41', 45.96 Rods or 0.14 Miles

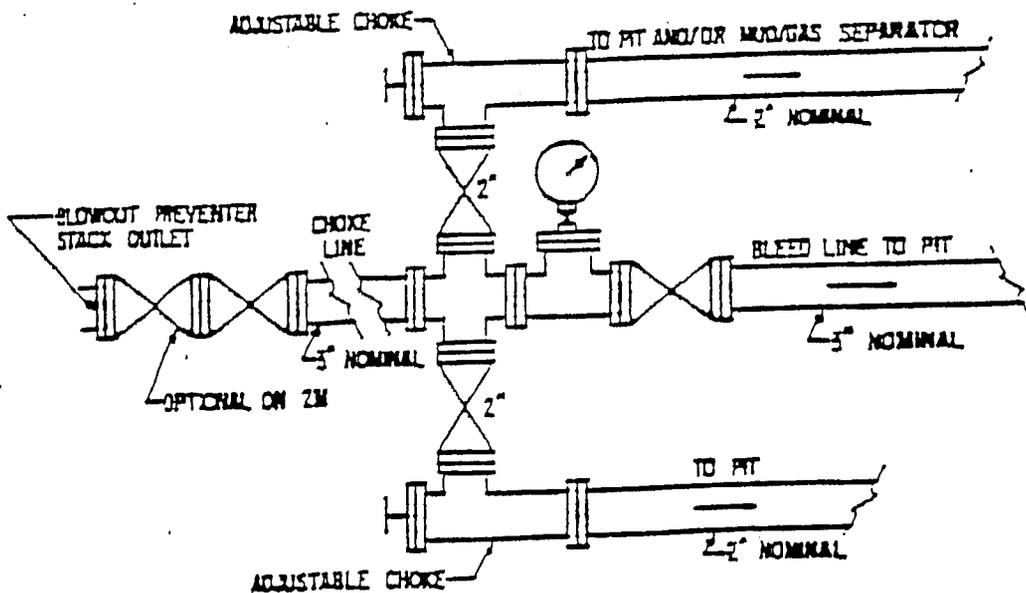
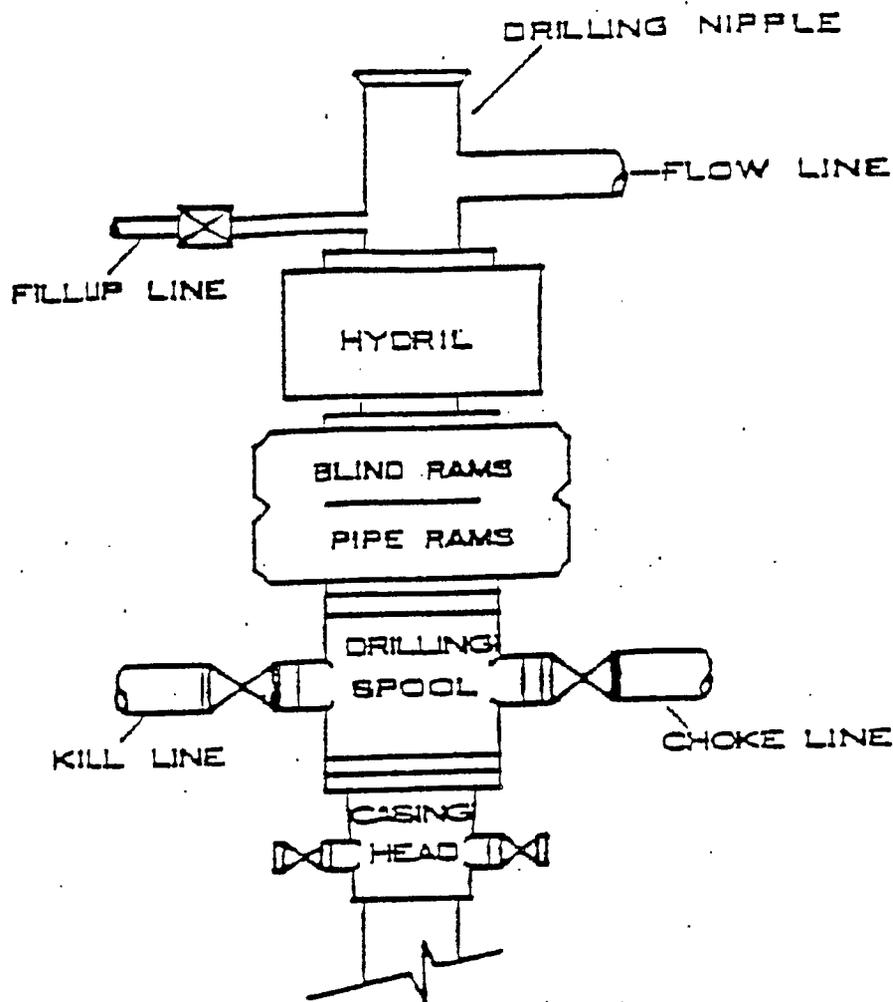
- LEGEND**
- ▲ = SECTION CORNER LOCATED
  - P.I. = Point of Intersection
  - P.O.S.L. = Point on Section Line

SURVEYED BY: K.R.K.
DRAWN BY: C.B.T.
DATE: 10-11-05
SCALE: 1" = 300'

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

3,000 PSI

# BOP STACK



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/16/2005

API NO. ASSIGNED: 43-047-37387

WELL NAME: ASPHALT WASH 10-23-24-29  
 OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  
 CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

SESW 29 100S 230E  
 SURFACE: 0831 FSL 1802 FWL  
 BOTTOM: 0831 FSL 1802 FWL  
 UINTAH  
 NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-075109  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

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

LATITUDE: 39.91491  
 LONGITUDE: -109.3530

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. 43-8496 )
- 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- Land Approval

2- Spacing Strip

T10S R23E

CAUSE: 179-3

# NATURAL BUTTES FIELD

29

ASPHALT WASH  
10-23-24-29

ROCK HOUSE  
3-32-10-23

ROCK HOUSE  
2D-32

OPERATOR: ENDURING RES LLC (N2750)

SEC: 29 T. 10S R. 23E

FIELD: NATURAL BUTTES (630)

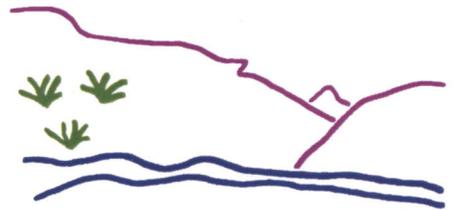
COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

- 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: 16-NOVEMBER-2005



**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*

November 16, 2005

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

Re: Asphalt Wash 10-23-24-29 Well, 831' FSL, 1802' FWL, SE SW, Sec. 29,  
T. 10 South, R. 23 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37387.

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 Asphalt Wash 10-23-24-29  
API Number: 43-047-37387  
Lease: UTU-075109

Location: SE SW                      Sec. 29                      T. 10 South                      R. 23 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

5. 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.

**From:** "Evette Bissett" <ebissett@enduringresources.com>  
**To:** "'Diana Mason'" <dianawhitney@utah.gov>  
**Date:** 11/14/2006 9:26:50 AM  
**Subject:** FW: Expired APDs

Oops

I meant the Asphalt Wash 10-23-24-29 not the 11-23.

-----Original Message-----

**From:** Evette Bissett [mailto:ebissett@enduringresources.com]  
**Sent:** Tuesday, November 14, 2006 8:36 AM  
**To:** 'Diana Mason'  
**Subject:** RE: Expired APDs

Hi,

On Asphalt Wash 11-23-24-29 we want to let that one expire. It has been renamed the Rock House 10-23-24-29. I'm submitting the Sundry for that name change today. Also on this one Al re-filed it as a directional well under the Rock House name in May of this year, but I don't find an approval for it in the file at this time.

The Bonanza 9-25-41-29, I am submitting an extension, but I am also submitting a Sundry for name change, when the name change was done in 2005 it was incorrectly named the "41" it should have been the "11".

The same thing with the Rock House 10-23-14-33, it was incorrectly named the "33" and should have been the "31". So I am submitting name change Sundry and extension.

Evette

-----Original Message-----

**From:** Diana Mason [mailto:dianawhitney@utah.gov]  
**Sent:** Monday, November 13, 2006 10:06 AM  
**To:** Sheila.Upchego@anadarko.com; ebissett@enduringresources.com;  
jan.nelson@questar.com  
**Subject:** Expired APDs

Please check the following website for your companies expired APDs. Please get back with me ASAP and let me know what your company would like to do.  
[http://ogm.utah.gov/oilgas/PUBLICATIONS/Lists/APD\\_expired.asp](http://ogm.utah.gov/oilgas/PUBLICATIONS/Lists/APD_expired.asp)

Thank you,  
Diana



**State of Utah**

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MICHAEL R. STYLER  
*Executive Director*

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Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 15, 2006

Evette Bissett  
Enduring Resources LLC  
475 17<sup>TH</sup> Street, Suite 1500  
Denver, CO 80202

Re: APD Rescinded -Asphalt Wash 10-23-24-29 Sec. 29 T. 10S R. 23E  
Uintah County, Utah API No. 43-047-37387

Dear Ms. Bissett:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on November 16, 2005. On November 14, 2006, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective November 14, 2006.

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