

MILLER
MDYER & CO. LLC

475 Seventeenth Street, Suite 1200
Denver, Colorado 80202
P: 303-292-0949
F: 303-292-3901

October 26, 2007

Diana Mason
Utah Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Applications for Permit to Drill
Ute Tribal #1-29-14-20 NENE Section 29 T14S-R20E
Ute Tribal #15-29-14-20 SWSE Section 29 T14S-R20E
Ute Tribal #3-30-14-20 NENW Section 30 T14S-R20E
Ute Tribal #11-30-14-20 NESW Section 30 T14S-R20E
Ute Tribal #12-28-14-20 NWSW Section 28 T14S-R20E
Ute Tribal #3-32-14-20 NENW Section 32 T14S-R20E
Uintah County, Utah

Dear Ms. Mason:

Enclosed please find a copy of the APD's for the Ute Tribal #3-30-14-20 and Ute Tribal #11-30-14-20. These wells will be drilled on Lease #U-019837 located on Ute Tribal Lands. Also please find a copy of the APD's for the Ute Tribal #1-29-14-20, Ute Tribal #15-29-14-20 and the Ute Tribal #12-28-14-20. These wells will be drilled on Lease #U-10166 located on Ute Tribal Lands. Additionally find a copy of the Ute Tribal #3-32-14-20 to be drilled on the State of Utah lease ML-44317 located on Ute Tribal Lands. Water for the drilling will come from Miller, Dyer & Co. existing water source well the Ute Tribal #30-4 located in NENW of Section 30-T14S-R20E.

Please do not hesitate to call me at (303) 292-0949 ext 102 if you have any questions or need additional information.

Sincerely,



Jeffrey H. Lang
Vice President of Operations

CC: BLM - 3

RECEIVED
OCT 26 2007
DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: U-019837	6. SURFACE: Indian
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: Miller, Dyer & Co., LLC				9. WELL NAME and NUMBER: Ute Tribal 11-30-14-20	
3. ADDRESS OF OPERATOR: 475 17th St Suite 1200 CITY Denver STATE CO ZIP 80202			PHONE NUMBER: (303) 292-0949	10. FIELD AND POOL, OR WILDCAT: Flat Rock	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2009 FSL 1565 FWL 609645X 39.568585 AT PROPOSED PRODUCING ZONE: SAME 4380445Y -109.723546				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 30 14S 20E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: See Topo Map "A" (Attached)				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1565		16. NUMBER OF ACRES IN LEASE: 627.84		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 375		19. PROPOSED DEPTH: 12,500		20. BOND DESCRIPTION: RLB0008085	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7225 GR		22. APPROXIMATE DATE WORK WILL START: 5/1/2008		23. ESTIMATED DURATION: 40 Days	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
26"	20" Conductivity .250" Wall	40	Ready Mix to Surface
12-1/4"	9-5/8" J-55 36#	3,300	Class G & Prem Lite 727 sacks 1.17 & 3.38 11 & 15.8
8-3/4"	5-1/2" N80/P110 17#	12,500	Class G & Prem Lite 1254 sacks 1.65 & 3.15 14.4-11.2-14

25. ATTACHMENTS

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

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

NAME (PLEASE PRINT) Jeffrey H. Lang TITLE Vice President of Operations
SIGNATURE [Signature] DATE 10/23/07

Approved by the **RECEIVED**
Utah Division of
Oil, Gas and Mining OCT 29 2007

API NUMBER ASSIGNED: 4304739740 APPROVAL: DIV. OF OIL, GAS & MINING

Date: 10-31-07
By: [Signature]
(See instructions on Reverse Side)

Federal Approval of this Action is Necessary

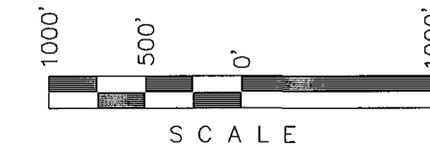
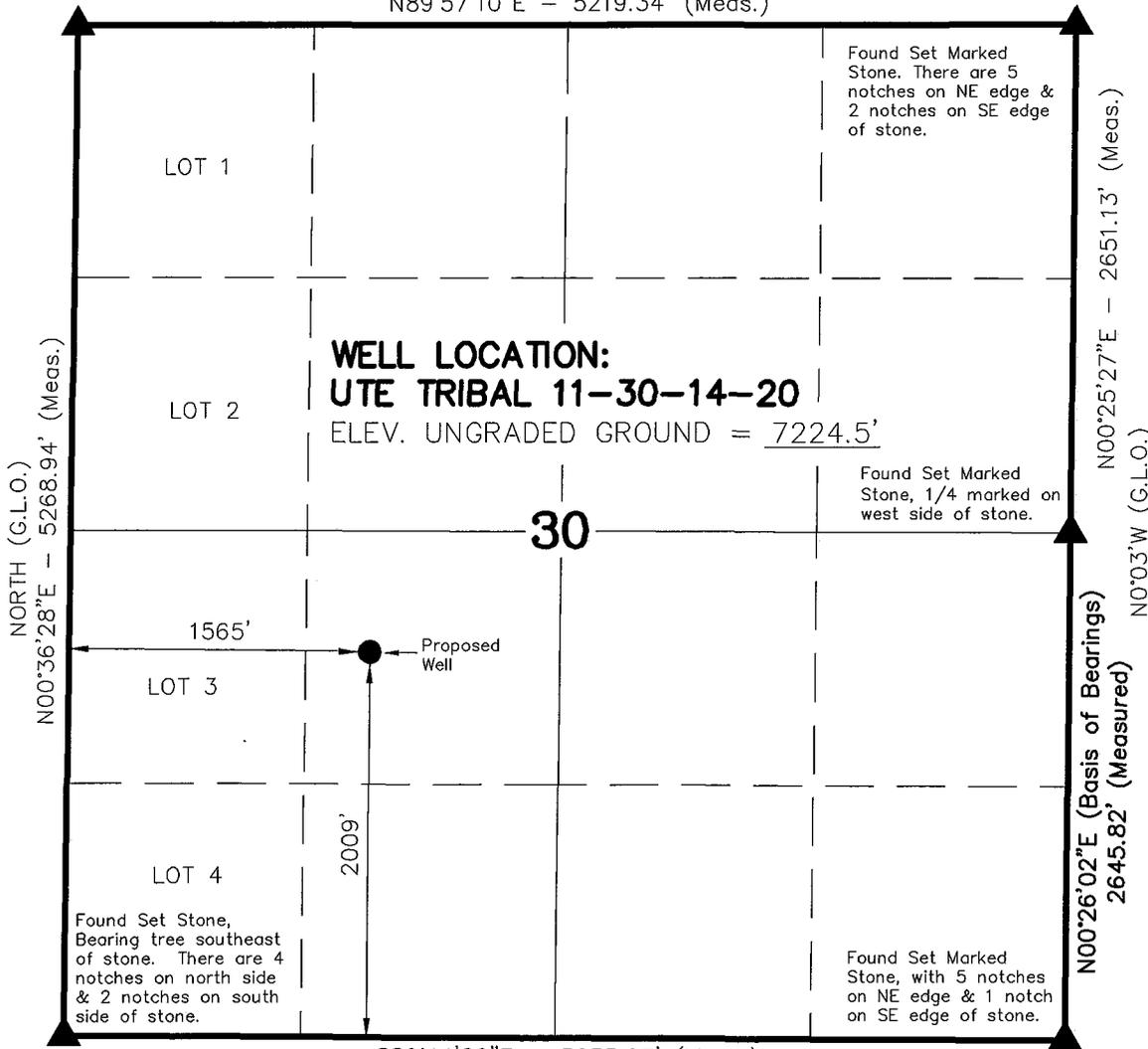
T14S, R20E, S.L.B.&M.

MILLER, DYER & CO. LLC

Found Set Stone.
There are 5 notches on
north side & 1 notch
on south side of stone.

N89°54'E - 78.46 (G.L.O.)
N89°57'10"E - 5219.34' (Meas.)

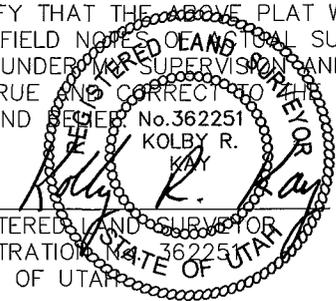
WELL LOCATION, UTE TRIBAL
11-30-14-20, LOCATED AS SHOWN IN THE
NE 1/4 SW 1/4 OF SECTION 30, T14S,
R20E, S.L.B.&M. UTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ANGULAR 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 BENCH MARK 60 WF 1952 LOCATED IN THE SW 1/4 OF SECTION 35, T14S, R20E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE FLAT ROCK MESA 7.5 MIN. QUADRANGLE AS BEING 7363'.

**UTE TRIBAL 11-30-14-20
(Proposed Well Head)
NAD 83 Autonomous
LATITUDE = 39° 34' 07.02"
LONGITUDE = 109° 43' 27.56"**

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

DATE SURVEYED: 09-12-07	SURVEYED BY: B.J.S.	SHEET 2 OF 10
DATE DRAWN: 09-18-07	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

**DRILLING PLAN
MILLER, DYER & CO. LLC**

**Ute Tribal #11-30-14-20
NESW Section 30 T14S-R20E**

1. Estimated Formation Tops

Estimated Formation Tops:	Measured Depth
Green River	Surface
Wasatch	1,920'
Base High Resistivity	2,925'
Mesaverde	4,073'
Castlegate Sandstone	5,911'
Mancos Shale	6,195'
Dakota Sandstone	10,348'
Cedar Mountain	10,503'
Morrison	10,729'
Curtis	11,256'
Entrada Sandstone	11,335'
Carmel	11,665'
Wingate	11,814'
TD	12,500'

2. Estimated Depth and Thickness of Zones

Tops	MD	Thickness	Anticipated Formation Contents
Wasatch	1,920		Oil and/or gas anticipated > 3,000'
		1000	
Mesaverde	4,073	500	Gas
Castlegate Sandstone	5,911	300	Gas
Dakota Sandstone	10,348	150	Gas
Cedar Mountain	10,503	200	Gas
Morrison	10,729	300	Gas
Entrada Sandstone	11,335	300	Gas
Wingate	11,814	500	Gas

3. Pressure Control Equipment

Schematic attached (Attachment "A")

Blow Out Preventer (BOP) will be equipped as follows:

- A. Type: Eleven (11) inch double gate hydraulic 3,000 psi BOP plus a 3000 psi annular preventer mounted on a 3,000 psi casinghead.
 - a. One set of blind rams (above)
 - b. One set of pipe rams (below)
 - c. Appropriate fill, kill and choke lines will be 3,000 psi working pressure

Note: The calculation of maximum anticipated surface pressure is detailed in Section 7. This calculation is based on the maximum anticipated bottom-hole pressure and a partially evacuated hole. According to this calculation, a 3000 psi BOP and annular preventer will be sufficient to drill this well safely. However, depending on the actual rig contracted for this well, a 5000 psi system may come with the rig. If so, all testing will be done to 5000 psi specifications.

B. Auxiliary Equipment:

Auxiliary equipment to include upper Kelly cock with a handle, a floor safety valve with subs to fit all drill string connections in use, and a string float valve.

C. Pressure Rating: 3,000 psi WP

D. Testing Procedure:

Hydraulic Ram-Type BOP

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack of 3,000 psi. This 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 no more than once each day.

E. Choke Manifold Equipment:

All choke lines will be straight lines; turns will use tee blocks, or targeted running tees, and will be anchored to prevent whip and vibration. The manifold will have two (2) manual chokes and a pressure gauge.

F. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve, if so equipped, close all rams plus the annular BOP, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity, and the fluid level of the reservoir will be maintained to the manufacturer's recommendations.

G. Miscellaneous Information:

The choke manifold and BOP ram extensions rods with hand wheels will be located outside the rig substructure. The hydraulic BOP closing unit will be located at least 25 feet from the well head, but readily accessible to the driller. Exact location and configuration of the hydraulic BOP closing unit will depend on the layout of the particular rig contracted to drill this well.

A flare line will be installed from the choke manifold to a flare pit, extending a minimum of 100 feet from the center of the drill hole.

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

Auxiliary Equipment

- a. Kelly cock – Yes
- b. Float sub at bit – No
- c. Mud logger & instrumentation – Yes
- d. Full-opening safety valve on rig floor – Yes
- e. Rotating head – No

4. Casing Program

	Setting Depth	Hole Size	Casing O.D.	Grade	Weight/Ft.	Thread
Conductor	40'	26"	20"	Conductor	0.250" wall	
Surface	3,300'	12-1/4"	9-5/8"	J-55	36#	STC
Production	0'-1,200'	8-3/4"	5-1/2"	N-80	17#	Buttress
	1,200'-11,000'	8-3/4"	5-1/2"	N-80	17#	LTC
	11,000'-12,500'	8-3/4"	5-1/2"	P-110	17#	LTC

- Subject to review on the basis of actual conditions encountered. Production casing depth will be adjusted based on results.

- Depending on availability, 17#, P-110, LT&C may be substituted for the 17#, N-80, Buttress casing at the top of the production string.
- Casing design runs are shown for each casing string. See Attachment "B"

5. Cement Program

Conductor Casing: 0'-40'

Ready Mix to surface

Surface Casing: 0' – 3300'

Lead Cement:

0'-2800'

11.0 ppg Premium Lite II cement

10% bwoc Bentonite

0.5% bwoc Sodium Metasilicate

5 #/sk Kol Seal

0.25 #/sk Cello Flake

3% bwow Potassium Chloride

Cement yield = 3.38 ft³/sk w/ 20.5 gal/sk water

Annular volume (in open hole) = 2760' * 0.3132 ft³/ft = 864.4 ft³

Excess = 50%

Total volume (open hole) w/ excess = 864.4 ft³ * 1.50 = 1296.6 ft³

Annular volume (in conductor) = 40' * 1.5687 ft³/ft = 62.7 ft³

Excess = 0%

Total volume (open hole & conductor) = 1359 ft³

Lead Cement Requirement = 1359 ft³ / 3.38 ft³/sk = 403 sks

Tail Cement:

2800'-3300' plus shoe joint

15.8 ppg Class G

2% bwoc Calcium Chloride

0.25 #/sk Cello Flake

Cement yield = 1.17 ft³/sk w/ 5 gal/sk water

Annular volume (in open hole) = 500' * 0.3132 ft³/ft = 156.6 ft³

Excess = 50%

Total volume (open hole) w/ excess = 156.6 ft³ * 1.50 = 234.9 ft³

Shoe volume = 40' * 0.4341 ft³/ft = 17.4 ft³

Excess (shoe) = 0%

Total volume (open hole & shoe) = 234.9 + 17.4 = 252 ft³

Tail Cement Requirement = 252 ft³ / 1.17 ft³/sk = 217 sks

Displacement Volume:

$$3260' * 0.0773 \text{ bbl/ft} = 252 \text{ bbls}$$

Top Out Cement:

0-200' (displaced down backside w/ 1" string)

15.8 ppg Class G

2% bwoc Calcium Chloride

0.25 #/sk Cello Flake

Cement yield = 1.17 ft³/sk w/ 5 gal/sk water

Annular volume = 200' * 0.3132 ft³/ft = 62.6 ft³

Excess = 100%

Total volume w/ excess = 62.6 ft³ * 2.0 = 125.2 ft³

Top Out Cement Requirement = 125.2 ft³ / 1.17 ft³/sk = 107 sks

Production Casing: 0'-12,500' (DV Tool @ 10,000')

Stage 1

Cement:

10,000'-12,500'

14.4 ppg 50:50 Poz (Fly Ash): Class G Cement (or equivalent)

0.05 #/sk Static Free

0.2% bwoc R-3

3% bwoc Potassium Chloride

0.25 #/sk Cello Flake

0.9% bwoc FL-25

1 gal / 100 sk FP-6L

35% bwoc Silica Flour

0.2% bwoc BA-59

0.2% bwoc Bentonite

Cement yield = 1.65 ft³/sk w/ 7.12 gal/sk water

Annular volume = 2500' * 0.2526 ft³/ft = 631.5 ft³

Excess = 25%

Total volume w/ excess = 631.5 ft³ * 1.25 = 789.4 ft³

Shoe volume = 40' * 0.1305 ft³/ft = 5.2 ft³

Excess (shoe) = 0%

Total volume w/ excess (incl. shoe) = 789.4 + 5.2 = 794 ft³

Stage 1 Cement Requirement = 794 ft³ / 1.65 ft³/sk = 480 sks

Displacement Volume:

$$(12,500' - 40') * 0.0232 \text{ bbl/ft} = 289.0 \text{ bbls}$$

Stage 2 (DV tool to 500' inside surface casing)

Lead Cement:

2,800'-9,593'

11.2 ppg Premium Lite II cement (or equivalent)

3 #/sk CSE

0.3% bwoc R-3
 3% bwow Potassium Chloride
 10% bwoc Bentonite
 0.2% bwoc Sodium Metasilicate
 Cement yield = 3.15 ft³/sk w/ 19 gal/sk water
 Volume inside surface casing = 500' * 0.2691 ft³/ft = 134.5 ft³
 Excess = 0%
 Annular volume = 6293' * 0.2526 ft³/ft = 1589.6 ft³
 Excess = 25%
 Annular volume w/ excess = 1589.6 ft³ * 1.25 = 1987.0 ft³
 Total volume = 134.5 + 1987.0 = 2121.5 ft³
Lead Cement Requirement = 2121.5 ft³ / 3.15 ft³/sk = 674 sks

Tail Cement:

9,593' – 10,000'
 14.2 ppg 50:50 Poz (Fly Ash): Class G Cement (or equivalent)
 0.05% bwoc Static Free
 0.1% bwoc R-3
 3% bwow Potassium Chloride
 0.9% bwoc FL-25
 1 gal / 100 sk FP-6L
 2% bwoc Bentonite
 0.2% bwoc Sodium Metasilicate
 0.2% bwoc BA-59
 Cement yield = 1.29 ft³/sk w/ 5.8 gal/sk water
 Annular volume = 407' * 0.2526 ft³/ft = 102.8 ft³
 Excess = 25%
 Annular volume w/ excess = 102.8 ft³ * 1.25 = 128.5 ft³
Tail Cement Requirement = 100 sks

Displacement Volume:

10,000' * 0.0232 bbl/ft = 232 bbls

- A detailed cement program is included. See Attachment "C"

6. Mud Program (visual monitoring)

Interval	Mud Type	Weight	Viscosity	Fluid Loss
0'- 2,400'	Water/Gel/Lime/Native Clays	8.3-8.6 ppg	33-36 sec/qt	N/C
2,400'- 12,500'	KCl/Polymer or DAP/Polymer	9.0-9.3 ppg	38-42 sec/qt	8-10cc

Sufficient mud materials to maintain mud properties, control lost circulation, contain a "gas" kick, and rebuild an active mud system will be available on location during drilling operations.

7. **Testing, Logging, Coring**

- a. Drill stem tests – non anticipated
- b. Electric logs - DIL/SP/GR, FDC/CNL/CAL/PE/GR, BHC sonic/GR all from TD to surface
- c. Coring – possible sidewall coring in the Dakota, Cedar Mountain, Morrison and Entrada.

8. **Anticipated Bottom Hole Pressure and Temperature, and other Potential Hazards**

A. Bottom Hole Pressure:

Maximum anticipated bottom hole pressure is 4,375 psi (calculated at 0.35 psi/ft. at the 12,500' (TVD) level of the Wingate). This pressure gradient was calculated from a bottom hole pressure buildup tests conducted on four separate wells located in Section 29, T14S-R20E. These wells are the closest wells to the subject well completed in the same deep zones. Therefore the maximum anticipated surface pressure is 1,625 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft.).

B. Bottom Hole Temperature:

The bottom hole temperature anticipated in this wellbore is approximately 230 degrees Fahrenheit at 12,500' TVD. This anticipated temperature is consistent with the temperatures encountered in the other four deep wells drilled in this area.

C. Abnormal Pressures or Temperatures:

As demonstrated above, no abnormal pressures or temperatures are anticipated in this well.

D. Potential Hazards:

No hydrogen sulfide (H₂S) gas or other potential hazards have been encountered or are known to exist in any well drilled to similar depths in the general area.

9. **Anticipated Starting Date and Duration**

Spud Date: Upon governmental approval and drilling rig availability

Duration of Operations:

- 1) Drilling: Approximately 40 days.
- 2) Completion: Approximately 30 days

Drilling Notification:

Prior to location construction, moving in the drilling rig and spudding the well, the Vernal field office of the BLM will be notified of our intentions to commence operations, unless otherwise instructed in the site specific conditions of approval.

**SURFACE USE PLAN
MILLER, DYER & CO. LLC**

**Ute Tribal #11-30-14-20
NESW Section 30 T14S-R20E**

1. Existing Roads:
 - a. Topographic Map "A" shows the vicinity of the well, including a portion of the Agency Draw Road. This road is reached from Ouray, Utah, by following the Seep Ridge Road south to Buck Canyon; taking the Buck Canyon road west to the Willow Creek Road; then north on the Willow Creek Road to Santio Crossing, which is at the junction of the Willow Creek Road and the Agency Draw Road.
 - b. Topographic Map "B" shows the point approximately 53 miles south of Ouray where the access to the well departs from the Agency Draw Road. Continue 2.7 miles northwest on the Flat Rock Mesa Road to the Ute Tribal 30-2A well then west 0.2 miles. Beyond this point the access road consists of 262 feet of new lease road leading to the Ute Tribal #11-30-14-20 location.

2. Planned Access Road: (refer to Topographic Map "D")
 - a. Length of new road route will be approximately 261.93 feet.
 - b. The right-of-way width is 55' (27.5' on either side of the centerline) with a 20-foot wide running surface.
 - c. Maximum grade will be less than 2%
 - d. No turn-outs are planned.
 - e. The new road will be crowned, ditched and dipped to provide adequate drainage.
 - f. Culverts will be used if necessary.
 - g. No gates or cattle guards will be needed. Nor will any existing facilities be modified.
 - h. The proposed road was flagged when the location was staked.
 - i. The authorized officer will be contacted at least 24 hours in advance of commencement of construction of the access road and well pad.

3. Location of Existing Wells:
 - a. The nearest producing well is the Ute Tribal #30-2A, located approximately 375' east of the proposed well location in Section 30-T14S-R20E.

4. Location of Existing and/or Proposed Facilities:
 - a. There are no existing facilities on the proposed well pad. All proposed facilities will be contained within the proposed location site (see attached "Location Layout"). Topographic Map "D" shows the proposed route for a gas line, to be co-located in the access road right-of-way, and connected to the Miller, Dyer & Co. LLC gathering system.

- b. The operator will submit information concerning proposed on and off well pad facilities once production has been established by applying for approval of subsequent operations.
5. Location and Type of Water Supply:
 - a. Miller, Dyer & Co. existing water supply well the Ute Tribal 30-4A, located in the NENW Section 30-T14S-R20E on Indian surface has been approved by the Ute Indian Tribe. The existing BIA water permit number for the well is #14-20-H62-5069.
 - b. Some produced water from existing wells may be used for drilling. Fresh water may also be taken at a point of diversion at Santio Crossing from Willow Creek in the SESE Section 29-T12S-R21E, SLB&M, if available during the drought. This water will be taken under the terms of the Ute Oilfield Water Service's state filing.
 - c. Water will be transported by truck on the Agency Draw and Flat Rock Mesa roads.
6. Source of Construction Materials:
 - a. It is anticipated that any construction materials will be needed for the drilling phase of this project. Gravel, shale or road base materials needed to upgrade access roads and well pad will be obtained from the operator's pit located on SITLA land near Chimney Rock.
 - b. The entire well site and all access roads to be upgraded for built are located on lands held in trust by the federal government for the Ute Indian Tribe.
 - c. All construction materials used in building the well pad and access road will be native materials accumulated during construction. In the event that additional materials are needed, they will be obtained from the operator's existing pit on SILTA land or from private sources.
7. Methods for Handling Waste Disposal:
 - a. Methods and locations for safe containment and disposal of the following materials:
 1. Drill cuttings will be buried in the reserve pit.
 2. Garbage and trash will be contained in trash baskets and hauled to a sanitary landfill. There will be no burning of trash on the location at any time.
 3. Salts will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
 4. Chemicals will be kept in proper containers and salvaged for future use or disposed of at an approved facility.
 5. Sewage waste will be contained in portable chemical toilets serviced by a commercial sanitary service.
 - b. Drilling fluids will be contained in the reserve pit and mud tanks. To the extent possible, drilling fluids and water will be saved for use at future drilling locations. Unusable drilling fluids and water will be disposed of in an approved manner upon the completion of the well.

- c. 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 annually in association with the drilling, testing, of this well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

- d. Reserve pit and waste water disposal:
 - 1. The reserve pit will be constructed so as not to lead, break, or allow the discharge of fluids.
 - 2. The reserve pit will be lined with 12 mil plastic nylon reinforced liner installed over sufficient bedding material to cover any exposed rocks. The pit will be fenced on three sides with 39" net wire, topped with a minimum of one strand of barbed wire. All wire will be stretched prior to attachment to the corner posts. The fourth side will be fenced when drilling activities are completed to allow drying.
 - 3. The closure of the reserve pit will follow the Guidance for Reserve Pit Closure as found in the Environmental Handbook of the State of Utah, Division of Oil, Gas & Mining.
 - a) The reserve pit will be closed within one year following drilling and completion of a well (R649-16.3).
 - b) Liquid in a pit will be allowed to either evaporate or be removed. If removed, it will be disposed of properly, some options are injection (in this well or another), hauled to a permitted disposal facility, or re-used at another well.
 - c) The pit liner may be cut off above the cuttings/mud level and hauled to a landfill, or folded in and processed along with other pit contents and covered. No remnants of liner material will be exposed at the surface when pit closure is complete. Pit area will be mounded so as not to allow ponding of water and drainage diverted around as not to allow erosion of the old pit site.
 - 4. A closed drilling system will not be used as there is no irrigable land, floodplains, or lands under crop production.
 - 5. In accordance with Onshore Order No. 7, a permanent disposal method and location will be applied for within 90 days of establishing production.
 - 6. After first production:
 - a) Produced waste water will be confined to the reserve pit, or a storage tank for a period not to exceed 90 days.
 - b) During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis will be submitted to the authorized officer.

- c) No produced water will be used for dust or weed control of any kind. Should spills of oil, produced water, or hazardous materials occur, the area of the spill will be re-mediated and contaminated soil and recovered oil or hazardous materials will be hauled to an approved disposal facility.

8. Ancillary Facilities:

- a. No airstrips will be built. Mobile living quarters and office facilities for supervisors, geologists, mud engineers, mud loggers and air compressor personnel will be confined to the drilling location as shown on the "Location Layout" diagram. The drilling crew will be housed on location.

9. Well Site Layout:

- a. Refer to attached "Typical Cross Section" diagram for cuts and fills and relation to topography.
- b. Refer to "Location Layout" diagram for location of mud tanks, reserve and flare pits, pipe racks, living facilities and top soil stockpiles.
- c. Refer to "Location Layout" diagram for rig orientation, access road and parking area. Parking area will be in the northeast corner of the location.

10. Plans for Restoration of the Surface:

a. Producing well location

- 1. Immediately upon well completion the location and surrounding area will be cleared of all tubing, equipment, debris, materials, trash and junk not required for production.
- 2. Immediately upon well completion any hydrocarbons on the reserve pit will be removed and disposed of properly.
- 3. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days of the date of well completion, or as soon thereafter as is practical. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc removed. The liner will be perforated and torn prior to backfilling.
- 4. Access roads will be graded and maintained to prevent erosion and accommodate year-round traffic.
- 5. All disturbed areas not needed for operations will be seeded with the mixture required by the BIA in the manner specified by the BIA.

b. Dry Hole/Abandoned Location

- 1. At such time as it is determined that the well is to be plugged and abandoned, the operator will submit a subsequent report of abandonment to the BLM and the BIA. The BLM will attach plugging conditions of approval, and the BIA will attach conditions of approval for the restoration of the surface.

11. Surface Ownership:
 - a. Access roads and location are held in trust for the Ute Indian Tribe by the United States. The operator has obtained a right-of-way with the BIA and submitted payment for damages as specified in its Exploration and Development Agreement with the Ute Indian Tribe.

12. Additional Information:
 - a. The operator will inform all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and will inform the assigned monitor and the authorized officer (AO) at the BIA. Within five working days the AO will inform the operator as to:
 1. Whether the materials appear to be eligible for the National Register of Historic Places;
 2. The mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
 3. A time frame for the AO to complete an expedited review under 36 CFR 900.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

 - b. If the operator wishes at any time to relocate activities to avoid the cost of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will be allowed to resume construction.

 - c. At the request of the Ute Indian Tribe, a 30'-wide fire break will be bladed around the perimeter of the location.

Bonding:

Please be advised that Miller, Dyer & Co. LLC is considered to be the operator of the Ute Tribal #11-30-14-20 well; NESW of Section 30, T14S-R20E Uintah County, Utah; and all producing zones; and is responsible for the operations conducted upon the leased lands. Bond coverage is provided by Certificate of Deposit #UTB000058.

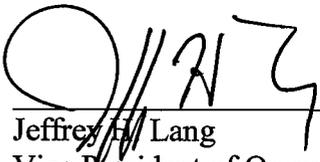
Operator's Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my

knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operation conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 23rd day of OCTOBER, 2007.

Jeffrey H. Lang
Vice President of Operations
Miller, Dyer & Co. LLC
475 17th Street, Suite 1200
Denver, CO 80202
Office: 303 292 0949 Ext 102
FAX: 303 292 3901
Cell: 303 503 3730
Email: jeff@millerdyer.com



Jeffrey H. Lang
Vice President of Operations

The Onsite Inspection for this well will be conducted after the APD has been submitted to the BLM as per the new requirements of Onshore Order #1 dated March 7, 2007.

IMPORTANT NOTICE: This information should be checked by the engineer responsible for the design to insure its accuracy. U. S. Steel makes no express or implied warranty of any kind in respect either to the information furnished or the materials referred to or as to the suitability thereof for any particular application, use or purpose, and expressly disclaims any and all such warranties. Anyone making use of this information does so at their own risk and assumes full responsibility as to its suitability for the use intended and any and all liability resulting from such use.

Date: 09-26-2007 16:42

U. S. STEEL GENERATED CHECK STRING DESIGN

CASING COMBINATION DESIGN NO C01560
SUBMITTED BY Jeff Lang
CUSTOMER Miller, Dyer & Co. LLC
OUTSIDE DIAMETER 9.625
MUD WEIGHT 9.300
SOUR SERVICE NO

ITEM NUMBER	LENGTH FEET	ZONE FEET	WEIGHT LB/FT	GRADE	JOINT TYPE	SECTION WEIGHT LB	TOTAL WEIGHT LB
1	3300	0-3300	36	J-55	SHORT ROUND	118800	118800

***** SAFETY-FACTORS *****					
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	TENSION ULTIMATE STRENGTH	INTERNAL YIELD PRESSURE	LEAK RESISTANCE
TARGET	1.125	1.250	1.800	1.000	1.000
1	1.268	3.757	3.313	2.208	5.309

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 1594 PSI.

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IMPORTANT NOTICE: This information should be checked by the engineer responsible for the design to insure its accuracy. U. S. Steel makes no express or implied warranty of any kind in respect either to the information furnished or the materials referred to or as to the suitability thereof for any particular application, use or purpose, and expressly disclaims any and all such warranties. Anyone making use of this information does so at their own risk and assumes full responsibility as to its suitability for the use intended and any and all liability resulting from such use.

Date: 09-26-2007 16:34

U. S. STEEL GENERATED CHECK STRING DESIGN

CASING COMBINATION DESIGN NO C01546
SUBMITTED BY Jeff Lang
CUSTOMER Miller, Dyer & Co. LLC
OUTSIDE DIAMETER 5.500
MUD WEIGHT 9.300
SOUR SERVICE NO

ITEM NUMBER	LENGTH FEET	ZONE FEET	WEIGHT LB/FT	GRADE	JOINT TYPE	SECTION WEIGHT LB	TOTAL WEIGHT LB
1	1200	0-1200	17	N-80	BUTTRESS	20400	212500
2	9800	1200-11000	17	N-80	LONG ROUND	166600	192100
3	1500	11000-12500	17	P-110	LONG ROUND	25500	25500

***** SAFETY - FACTORS *****					
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	TENSION ULTIMATE STRENGTH	INTERNAL YIELD PRESSURE	LEAK RESISTANCE
TARGET	1.125	1.250	1.800	1.000	1.000
1	8.287	1.868	2.099	1.282	2.666
2	1.158	1.561	1.809	1.282	2.181
3	1.239	16.165	17.450	1.762	2.181

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 6038 PSI.

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Date: 09-26-2007 16:35

U. S. STEEL GENERATED CHECK STRING DESIGN

CASING COMBINATION DESIGN NO	C01547
SUBMITTED BY	Jeff Lang
CUSTOMER	Miller, Dyer & Co. LLC
OUTSIDE DIAMETER	5.500
MUD WEIGHT	9.300
SOUR SERVICE	NO

ITEM NUMBER	LENGTH FEET	ZONE FEET	WEIGHT LB/FT	GRADE	JOINT TYPE	SECTION WEIGHT LB	TOTAL WEIGHT LB
1	1200	0-1200	17	P-110	LONG ROUND	20400	212500
2	9800	1200-11000	17	N-80	LONG ROUND	166600	192100
3	1500	11000-12500	17	P-110	LONG ROUND	25500	25500

***** SAFETY - FACTORS *****					
ITEM NUMBER	EXTERNAL PRESSURE COLLAPSE	TENSION YIELD STRENGTH	TENSION ULTIMATE STRENGTH	INTERNAL YIELD PRESSURE	LEAK RESISTANCE
TARGET	1.125	1.250	1.800	1.000	1.000
1	11.277	1.940	2.094	1.762	2.181
2	1.158	1.561	1.809	1.282	2.181
3	1.239	16.165	17.450	1.762	2.181

Note: Safety Factors for Internal Yield Pressure (Pipe or joint) and Leak Resistance are based on an Internal Pressure of 6038 PSI.

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Proposal No: 179969767A

Miller, Dyer & Co.,LLC
Flat Rock Generic

ATTACHMENT C

Uintah County, Utah
September 25, 2007

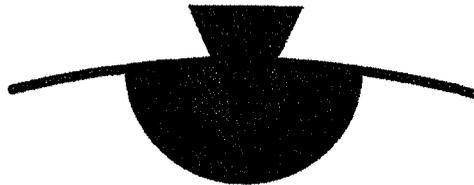
Well Proposal

Prepared for:

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Prepared by:

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Denver, Colorado
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Email: cemrich@bjsservices.com
Mobile: (303) 549-4180

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD
Date: September 25, 2007



Proposal No: 179969767A

JOB AT A GLANCE

Depth (TVD)	3,300 ft
Depth (MD)	3,300 ft
Hole Size	12.25 in
Casing Size/Weight :	9 5/8 in, 36 lbs/ft
Pump Via	9 5/8" O.D. (8.921" I.D) 36
Total Mix Water Required	9,357 gals
Pre-Flush	
Water	40 bbls
Density	8.4 ppg
Lead Slurry	
Premium Lite II Cement	403 sacks
Density	11.0 ppg
Yield	3.38 cf/sack
Tail Slurry	
Class G + Additives	217 sacks
Density	15.8 ppg
Yield	1.17 cf/sack
Displacement	
Water	252 bbls
Density	8.4 ppg

Operator Name: Miller, Dyer & Co.,LLC
 Well Name: Flat Rock Generic
 Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD
 Date: September 25, 2007



Proposal No: 179969767A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
19.500 CASING	40	40
12.250 HOLE	3,300	3,300

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
9.625	8.921	36	3,300	3,300

Float Collar set @ 3,260 ft
 Mud Density 8.50 ppg
 Mud Type Water Based
 Est. Static Temp. 120 ° F
 Est. Circ. Temp. 97 ° F

VOLUME CALCULATIONS

40 ft x 1.5687 cf/ft with 0 % excess = 62.7 cf
 2,760 ft x 0.3132 cf/ft with 50 % excess = 1296.6 cf
 500 ft x 0.3132 cf/ft with 50 % excess = 234.9 cf
 40 ft x 0.4341 cf/ft with 0 % excess = 17.4 cf (inside pipe)
TOTAL SLURRY VOLUME = 1611.6 cf
 = 287 bbls

VERIFY TUBULAR CONFIGURATION, PROCEDURE, AND PROPER DISPLACEMENT DEPTH WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

BHST has been estimated from 1.2 deg/100 ft gradient with an 80 degree ambient rock temperature. The BHCT has been calculated using API standards.

Operator Name: Miller, Dyer & Co.,LLC
 Well Name: Flat Rock Generic
 Job Description: Surface: 9 5/8" CSG x 12.25" O.H. x 3300' MD
 Date: September 25, 2007



Proposal No: 179969767A

FLUID SPECIFICATIONS

Pre-Flush 40.0 bbls Water @ 8.4 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	1359	/ 3.3	= 403 sacks Premium Lite II Cement + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 196.8% Fresh Water
Tail Slurry	252	/ 1.1	= 217 sacks Class G Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 44.3% Fresh Water

Displacement 252.0 bbls Water @ 8.4 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.00	15.80
Slurry Yield (cf/sack)	3.38	1.17
Amount of Mix Water (gps)	20.53	5.00
Estimated Pumping Time - 70 BC (HH:MM)	5:00	2:00
COMPRESSIVE STRENGTH		
24 hrs @ 95 ° F (psi)	400	3500

THICKENING TEST TIMES ARE ESTIMATES. SLURRIES ARE SUBJECT TO CHANGE BASED ON TEST RESULTS FROM THE REGION LABORATORY.

SLURRY VOLUMES ARE ESTIMATED AND ARE SUBJECT TO CUSTOMER VERIFICATION.

PLEASE DOCUMENT HOW LONG WELL HAS BEEN CIRCULATED PRIOR TO CEMENTING AND INCLUDE ANY OTHER IMPORTANT ISSUES ON THE CEMENT REPORT.

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'
Date: September 25, 2007



Proposal No: 179969767A

JOB AT A GLANCE

Depth (TVD)	12,500 ft
Depth (MD)	12,500 ft
Hole Size	8.75 in
Casing Size/Weight :	5 1/2in, 17 lbs/ft
Pump Via	5 1/2" O.D. (4.892" I.D) 17
Total Mix Water Required	16,908 gals
Stage No: 1	Float Collar set @ 12,460 ft
Spacer	
2% KCl Water	20 bbls
Density	8.4 ppg
Mud Wash	
Mud Clean I	1,000 gals
Density	8.4 ppg
Spacer	
2% KCl Water	20 bbls
Density	8.4 ppg
1st Tail Slurry	
50:50:2 (Poz:G:Gel) + Add's	480 sacks
Density	14.4 ppg
Yield	1.65 cf/sack
Displacement	
Drilling Mud	290 bbls
Density	9.5 ppg

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'
Date: September 25, 2007



Proposal No: 179969767A

JOB AT A GLANCE (Continued)

Stage No: 2	Stage Collar set @	10,000 ft
Pre-Flush		
2% KCl Water		20 bbls
Density		8.4 ppg
Mud Wash		
Mud Clean I		1,000 gals
Density		8.4 ppg
Spacer		
2% KCl Water		20 bbls
Density		8.4 ppg
2nd Lead Slurry		
Premium Lite II + Add's		674 sacks
Density		11.2 ppg
Yield		3.15 cf/sack
2nd Tail Slurry		
50:50:2 (Poz:G:Gel) + Add's		100 sacks
Density		14.2 ppg
Yield		1.29 cf/sack
Displacement		
2% KCl Water		232 bbls
Density		8.4 ppg

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'
Date: September 25, 2007



Proposal No: 179969767A

WELL DATA (Continued)

VERIFY TUBULAR CONFIGURATION, PROCEDURE, AND PROPER DISPLACEMENT DEPTH WITH CUSTOMER REPRESENTATIVE PRIOR TO PUMPING.

BHST has been estimated from 1.25 deg/100 ft gradient with an 80 degree ambient rock temperature. The BHCT has been calculated using API standards. PLEASE CONFIRM ACTUAL BHST TO ENSURE ACCURATE CEMENT TESTING IS PERFORMED.

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'
Date: September 25, 2007



Proposal No: 179969767A

FLUID SPECIFICATIONS

STAGE NO.: 1

Spacer 20.0 bbls 2% KCl Water @ 8.43 ppg
 Mud Wash 1,000.0 gals Mud Clean I @ 8.4 ppg
 Spacer 20.0 bbls 2% KCl Water @ 8.43 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
1st Tail Slurry	792	/ 1.6	= 480 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05 lbs/sack Static Free + 0.2% bwoc R-3 + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 0.9% bwoc FL-25 + 1 gals/100 sack FP-6L + 2% bwoc Bentonite + 35% bwoc Silica Flour + 0.2% bwoc BA-59 + 70.7% Fresh Water

Displacement 289.7 bbls Drilling Mud @ 9.5 ppg

CEMENT PROPERTIES

**SLURRY
NO. 1**

Slurry Weight (ppg)	14.40
Slurry Yield (cf/sack)	1.65
Amount of Mix Water (gps)	7.12
Amount of Mix Fluid (gps)	7.13
Estimated Pumping Time - 70 BC (HH:MM)	4:00

COMPRESSIVE STRENGTH

24 hrs @ 230 ° F (psi) 3000

Operator Name: Miller, Dyer & Co.,LLC
 Well Name: Flat Rock Generic
 Job Description: 2 STG L/S: 5 1/2" CSG x 8.75" O.H. x 12,400'
 Date: September 25, 2007



Proposal No: 179969767A

FLUID SPECIFICATIONS (Continued)

STAGE NO.: 2

Pre-Flush 20.0 bbls 2% KCl Water @ 8.43 ppg
 Mud Wash 1,000.0 gals Mud Clean I @ 8.4 ppg
 Spacer 20.0 bbls 2% KCl Water @ 8.43 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
2nd Lead Slurry	2121	/ 3.1	= 674 sacks Premium Lite II Cement + 3 lbs/sack CSE + 0.3% bwoc R-3 + 3% bwow Potassium Chloride + 10% bwoc Bentonite + 0.2% bwoc Sodium Metasilicate + 183.6% Fresh Water
2nd Tail Slurry	129	/ 1.2	= 100 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05% bwoc Static Free + 0.1% bwoc R-3 + 3% bwow Potassium Chloride + 0.9% bwoc FL-25 + 1 gals/100 sack FP-6L + 2% bwoc Bentonite + 0.2% bwoc Sodium Metasilicate + 0.2% bwoc BA-59 + 57.3% Fresh Water

Displacement 232.5 bbls 2% KCl Water @ 8.43 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	11.20	14.20
Slurry Yield (cf/sack)	3.15	1.29
Amount of Mix Water (gps)	19.16	5.77
Amount of Mix Fluid (gps)	19.16	5.78
Estimated Pumping Time - 70 BC (HH:MM)	5:00	4:30
COMPRESSIVE STRENGTH		
24 hrs @ 200 ° F (psi)		1800

THICKENING TEST TIMES ARE ESTIMATES. SLURRIES ARE SUBJECT TO CHANGE BASED ON TEST RESULTS FROM THE REGION LABORATORY.

SLURRY VOLUMES ARE ESTIMATED AND ARE SUBJECT TO CHANGE BASED ON CALIPER LOG MEASUREMENTS.

PLEASE DOCUMENT HOW LONG WELL HAS BEEN CIRCULATED PRIOR TO CEMENTING AND INCLUDE ANY OTHER IMPORTANT ISSUES ON THE CEMENT REPORT.



CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Operator: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Date: September 25, 2007



Proposal No: 179969767A

PRODUCT DESCRIPTIONS

BA-59

A free flowing powder which provides improved bonding and minimizes gas migration. Provides expansion properties and zero free water to cement slurries.

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CSE

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water

Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

Class G Cement

Intended for use as a basic cement from surface to 8000 ft as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

FL-25

An all purpose salt-tolerant fluid loss additive that provides exceptional fluid loss control across a wide range of temperatures and salinity conditions and remedial cementing applications.

FP-6L

A clear liquid that decreases foaming in slurries during mixing.

Kol Seal

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

Mud Clean I

A water-based non-acid solution used as a wash between the drilling mud and cement.

Potassium Chloride

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

Premium Lite II Cement

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

Operator: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Date: September 25, 2007



Proposal No: 179969767A

PRODUCT DESCRIPTIONS (Continued)

R-3

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

Silica Flour

A very fine (200 mesh) Silica Flour for use in fracturing fluids and acids to help control fluid-loss in small micro fissures of naturally fractured formations. Normal loadings range from 10 to 50 pounds per 1,000 gallons of fluid. It is used in cementing to prevent strength retrogression at high temperatures.

Sodium Metasilicate

An accelerator used to decrease the thickening time of cement slurries.

Static Free

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.

Operator Name: Miller, Dyer & Co.,LLC
Well Name: Flat Rock Generic
Date: September 25, 2007



Proposal No: 179969767A

End of Report

MILLER, DYER & CO. LLC
Ute Tribal 11-30-14-20
Section 30, T14S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 17 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 29.4 MILES TO ITS INTERSECTION WITH THE BUCK CANYON ROAD (COUNTY B ROAD 5460). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5460 APPROXIMATELY 3.2 MILES TO WILLOW CREEK. TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION ALONG THE WILLOW CREEK ROAD (COUNTY B ROAD 5120) APPROXIMATELY 2.1 MILES TO ITS INTERSECTION WITH THE AGENCY DRAW ROAD (COUNTY B ROAD 5340). EXIT LEFT AND PROCEED IN A WESTERLY THEN SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 5340 APPROXIMATELY 2.5 MILES TO ITS INTERSECTION WITH THE FLAT ROCK ROAD (COUNTY B ROAD 5450). EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG COUNTY B ROAD 5450 APPROXIMATELY 10.9 MILES TO THE FLAT ROCK MESA ROAD. PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.8 MILES TO ITS INTERSECTION WITH THE BLACK KNOLLS ROAD. CONTINUE IN A WESTERLY THEN NORTHWESTERLY DIRECTION ALONG THE FLAT ROCK MESA ROAD APPROXIMATELY 2.9 MILES TO THE NORTH FORK OF THE FLAT ROCK MESA ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY THEN WESTERLY THEN SOUTHERLY DIRECTION ALONG NORTH FORK OF FLAT ROCK MESA ROAD APPROXIMATELY 2.7 MILES TO A SERVICE ROAD TO THE NORTHWEST. EXIT RIGHT AND PROCEED ALONG SERVICE ROAD APPROXIMATELY 0.2 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 315 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 87.8 MILES IN A SOUTHERLY DIRECTION.

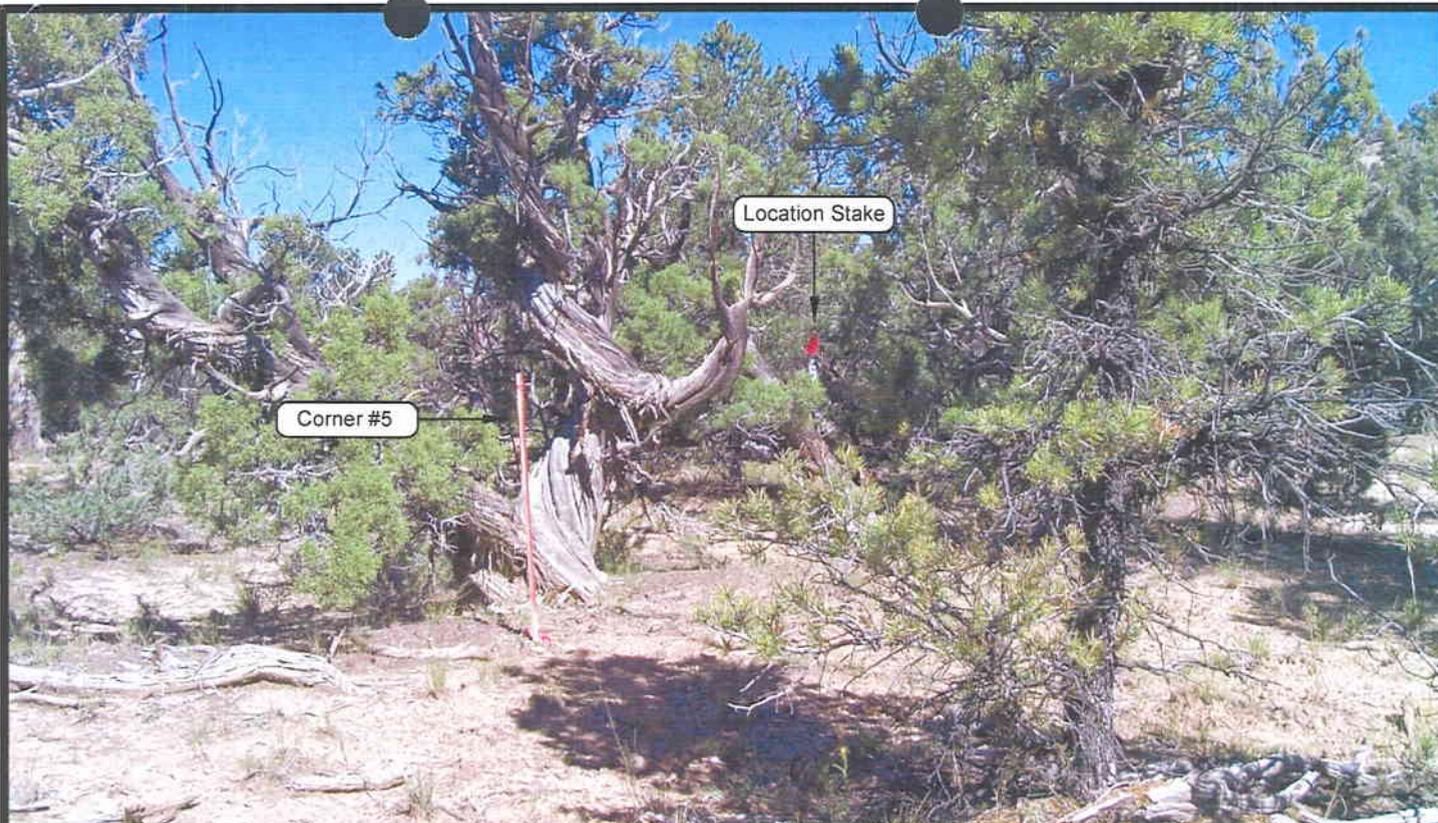


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

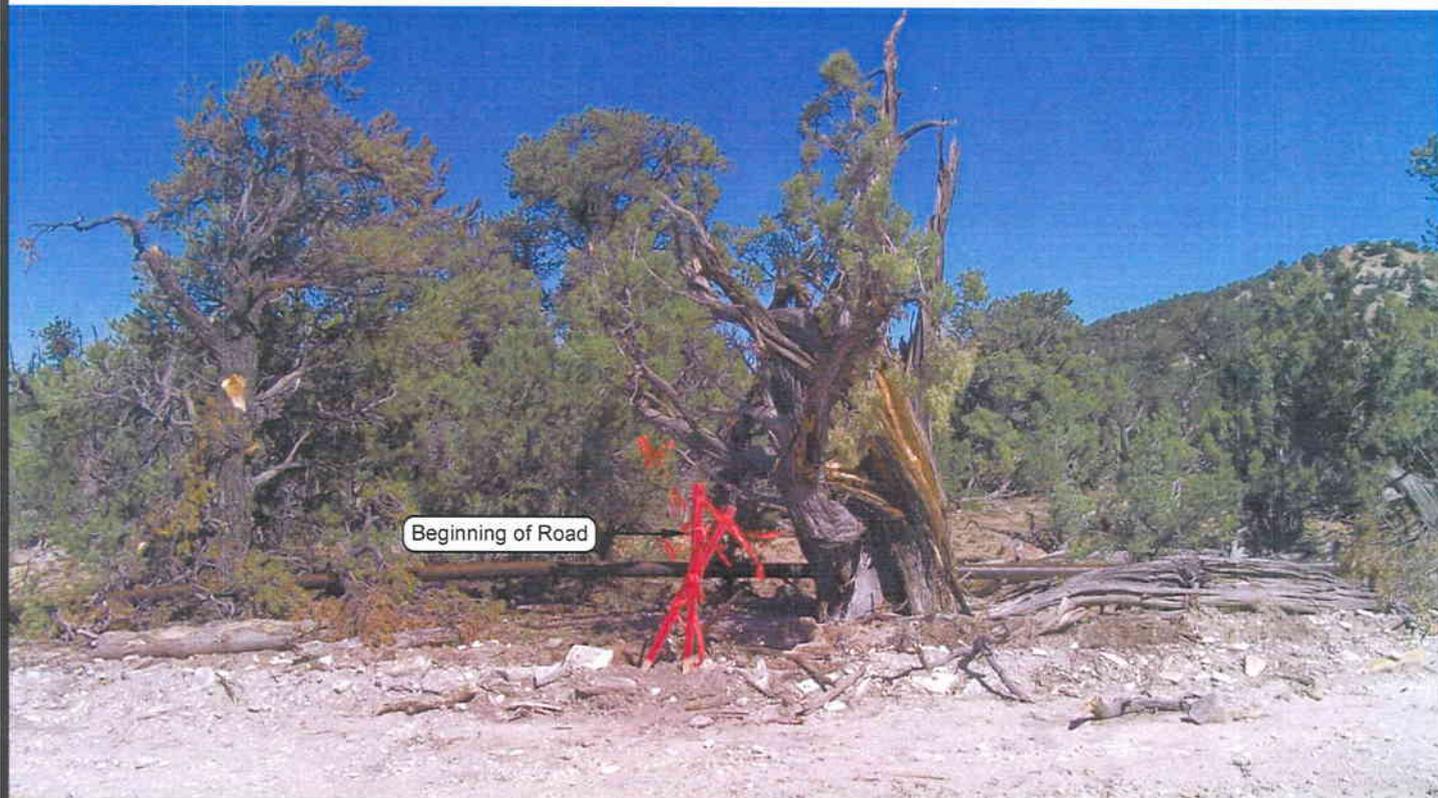


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

MILLER, DYER & CO. LLC

**Ute Tribal 11-30-14-20
SECTION 30, T14S, R20E, S.L.B.&M.
2009' FSL & 1565' FWL**

LOCATION PHOTOS

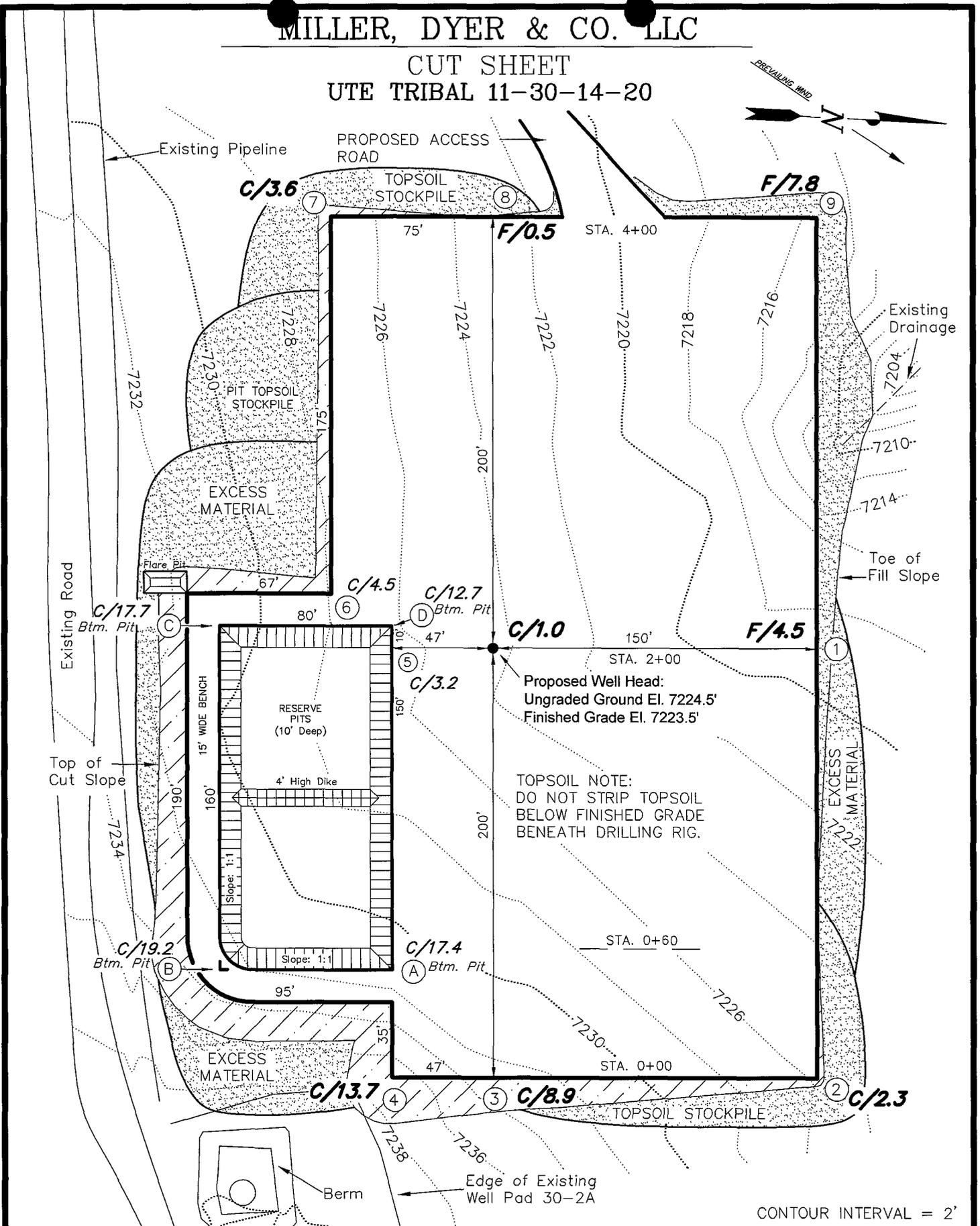
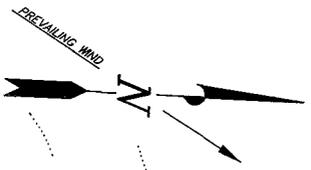
TAKEN BY: B.J.S.	DRAWN BY: M.W.W.	DATE TAKEN: 09-12-07
		DATE DRAWN: 09-18-07
		REVISED:

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
1
OF 10

MILLER, DYER & CO. LLC

CUT SHEET UTE TRIBAL 11-30-14-20

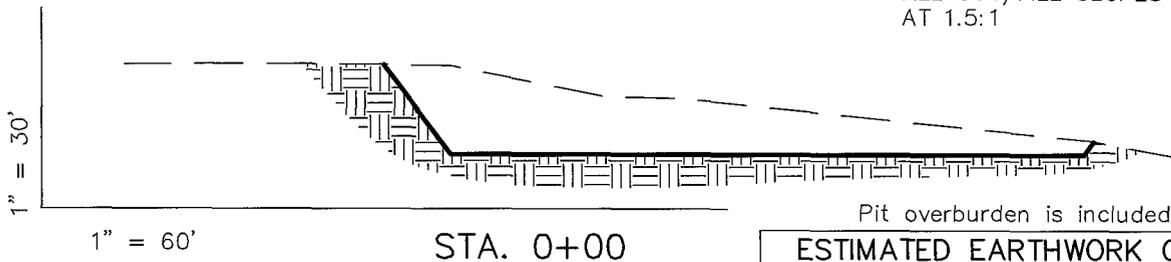
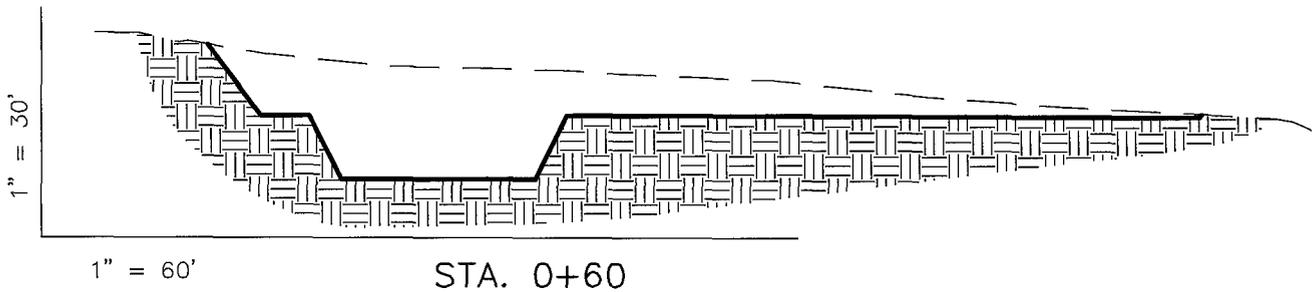
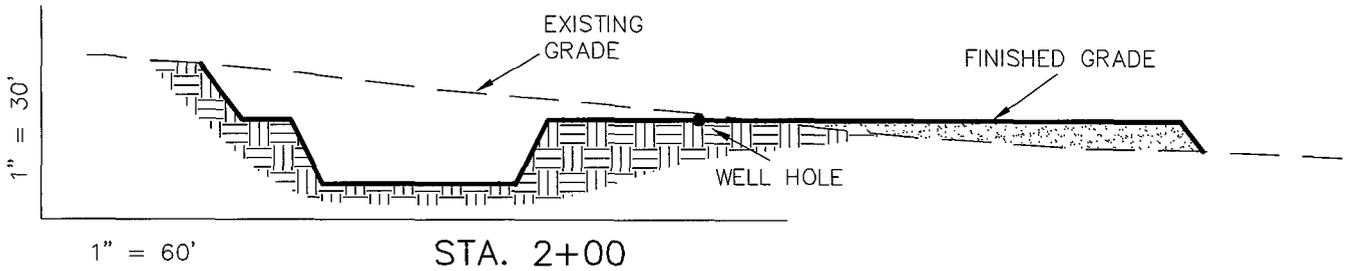
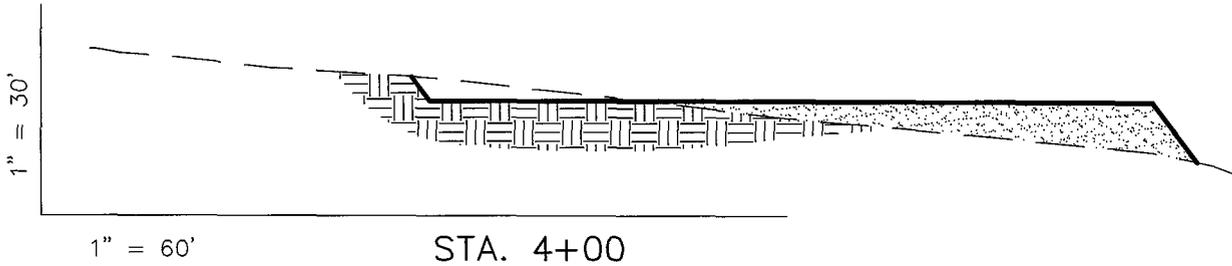


CONTOUR INTERVAL = 2'

Section 30, T14S, R20E, S.L.B.&M.		Qtr/Qtr Location: NE SW	Footage Location: 2009' FSL & 1565' FWL
Date Surveyed: 09-12-07	Date Drawn: 09-18-07	Date Last Revision:	Timberline (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	Engineering & Land Surveying, Inc.
			38 WEST 100 NORTH VERNAL, UTAH 84078
			SHEET 3 OF 10

MILLER, DYER & CO. LLC

CROSS SECTIONS UTE TRIBAL 11-30-14-20



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

Pit overburden is included in pad cut.

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	9,570	6,490	Topsoil is not included in Pad Cut	3,080
PIT	3,850	0		3,850
TOTALS	13,420	6,490	1,880	6,930

Excess Material after Pit Rehabilitation = 3,080 Cu. Yds.

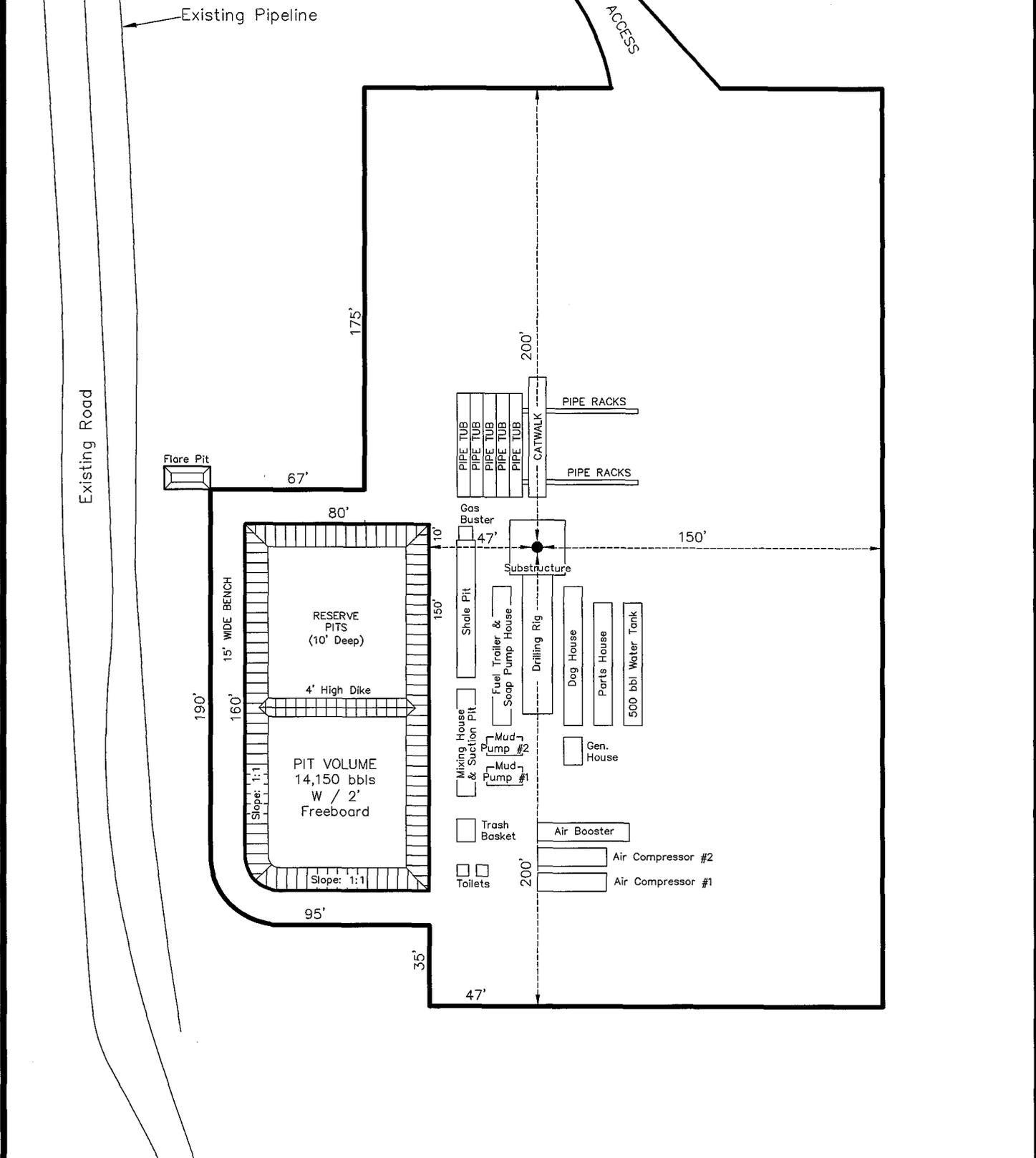
REFERENCE POINTS

- 200' NORTHERLY = 7218.0'
- 250' NORTHERLY = 7214.5'
- 250' EASTERLY = 7236.6'
- 300' EASTERLY = 7234.8'

Section 30, T14S, R20E, S.L.B.&M.		Qtr/Qtr Location: NE SW	Footage Location: 2009' FSL & 1565' FWL
Date Surveyed: 09-12-07	Date Drawn: 09-18-07	Date Last Revision:	Timberline Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 789-1365
Surveyed By: B.J.S..	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET 4 OF 10

MILLER, DYER & CO. LLC

TYPICAL RIG LAYOUT UTE TRIBAL 11-30-14-20

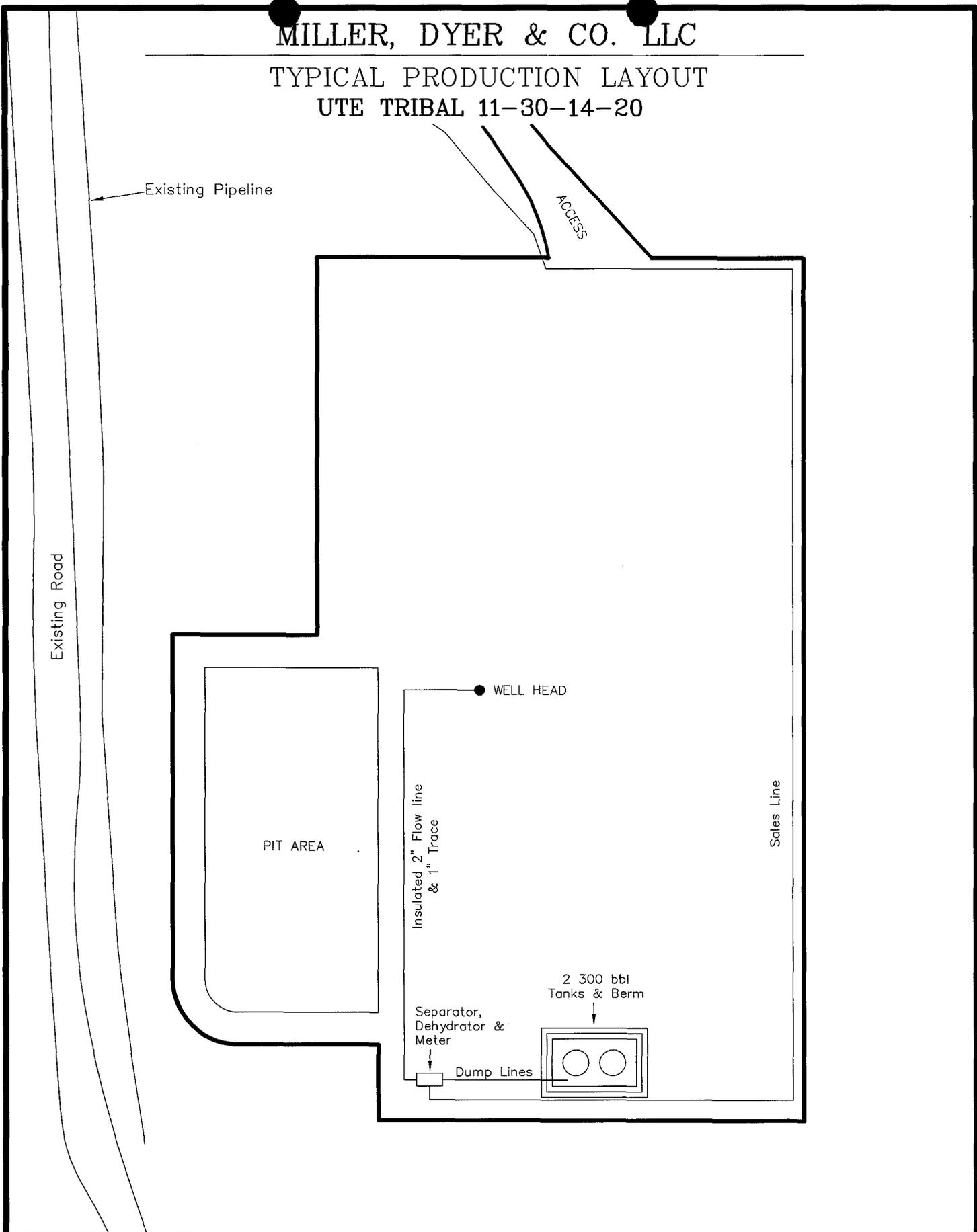


Section 30, T14S, R20E, S.L.B.&M.		Qtr/Qtr Location: NE SW	Footage Location: 2009' FSL & 1565' FWL
Date Surveyed: 09-12-07	Date Drawn: 09-18-07	Date Last Revision:	Timberline (435) 789-1365 Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: B.J.S..	Drawn By: M.W.W.	Scale: 1" = 60'	
			SHEET 5 OF 10

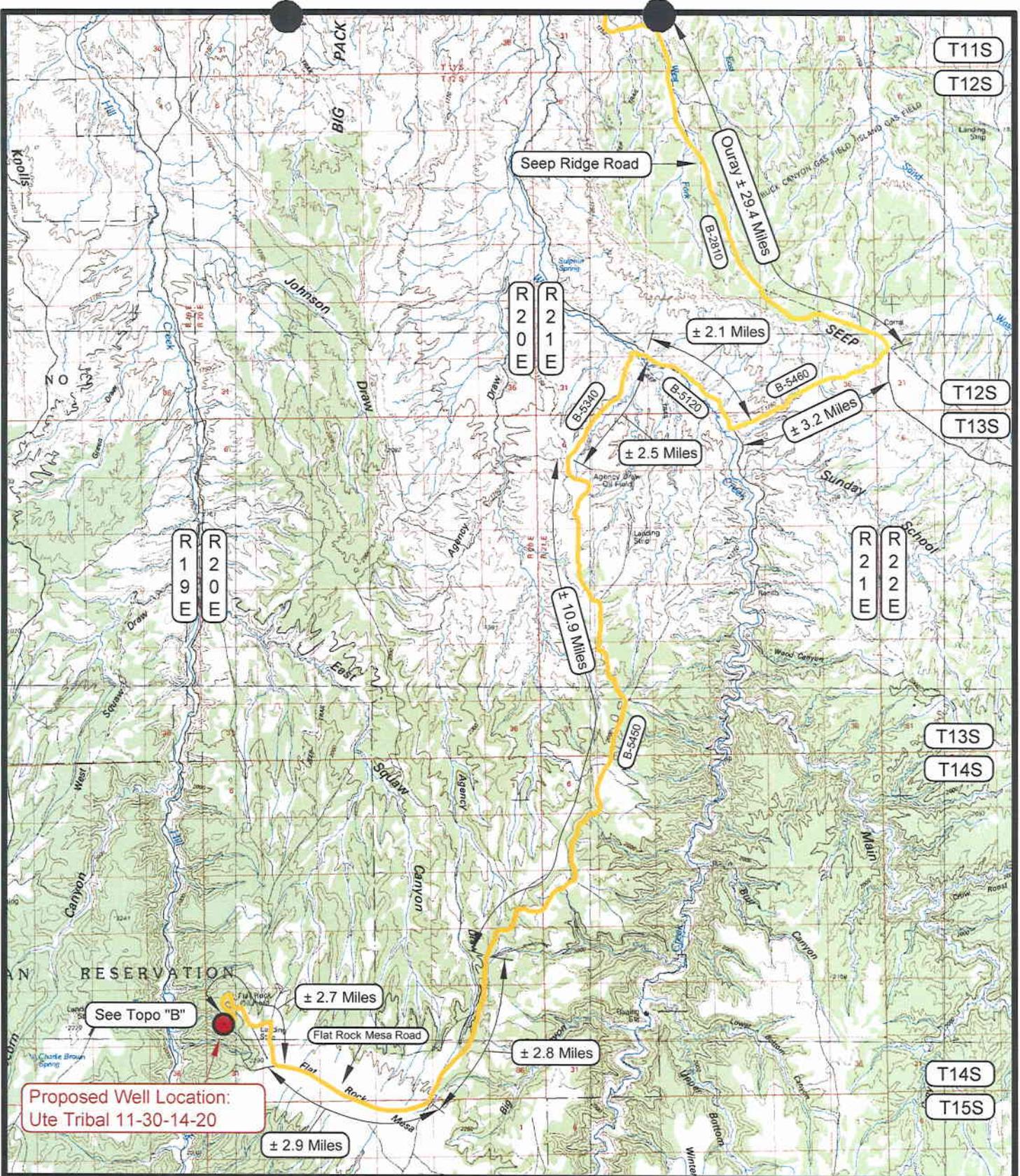
MILLER, DYER & CO. LLC

TYPICAL PRODUCTION LAYOUT

UTE TRIBAL 11-30-14-20



Section 30, T14S, R20E, S.L.B.&M.		Qtr/Qtr Location: NE SW	Footage Location: 2009' FSL & 1565' FWL
Date Surveyed: 09-12-07	Date Drawn: 09-18-07	Date Last Revision:	Timberline (435) 789-1365
Surveyed By: B.J.S.	Drawn By: M.W.W.	Scale: 1" = 60'	Engineering & Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078
			SHEET 6 OF 10



LEGEND

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

TOPOGRAPHIC MAP "A"

DATE SURVEYED: 09-12-07

DATE DRAWN: 09-18-07

SCALE: 1:150,000

DRAWN BY: M.W.V.

REVISED:

MILLER, DYER & CO. LLC

Ute Tribal 11-30-14-20
SECTION 30, T14S, R20E, S.L.B.&M.
2009' FSL & 1565' FWL

Timberline

(435) 789-1365

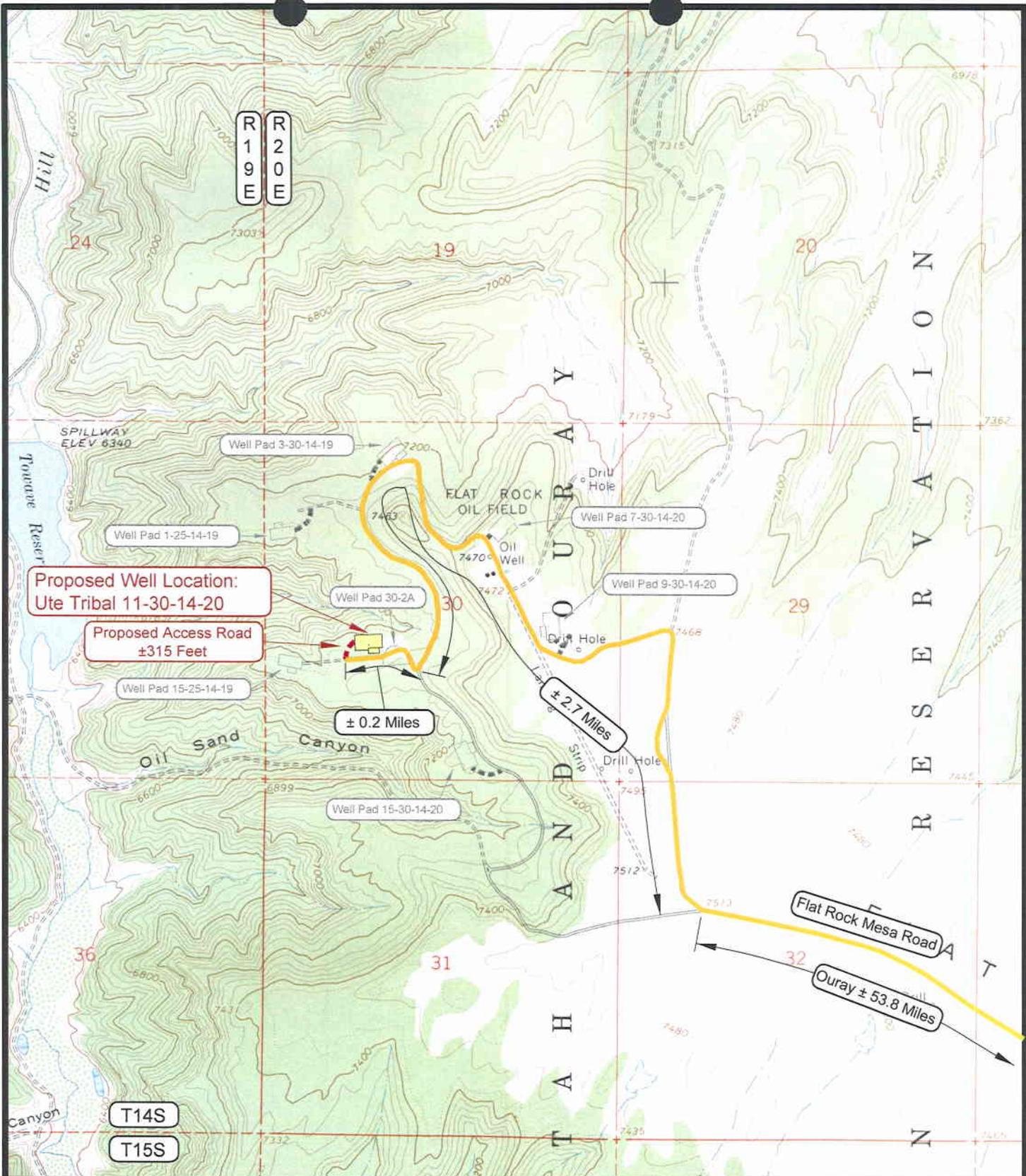
Engineering & Land Surveying, Inc.

38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET

7

OF 10



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

TOPOGRAPHIC MAP "B"

DATE SURVEYED: 09-12-07
 DATE DRAWN: 09-18-07
 REVISED:

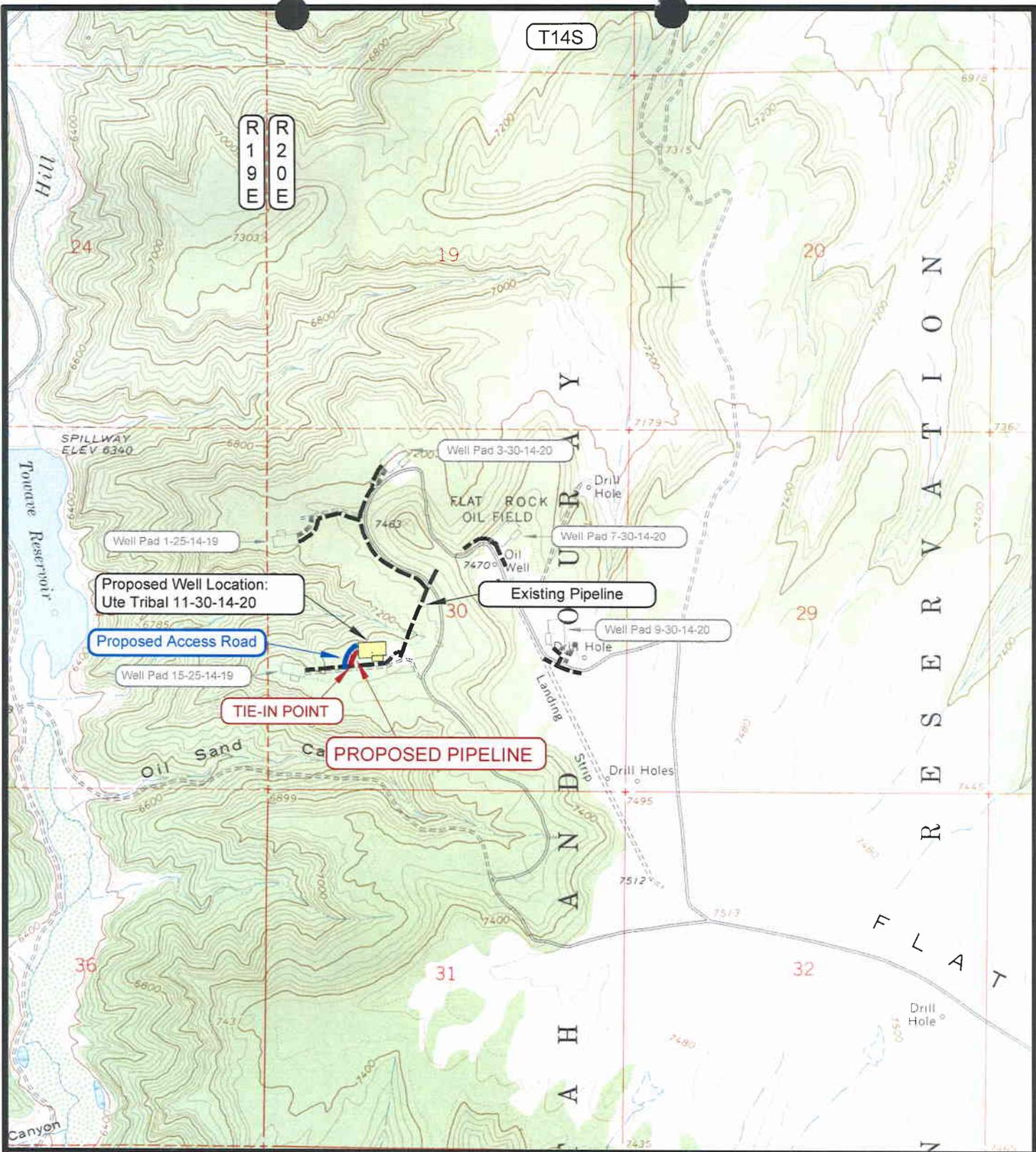
SCALE: 1" = 2000' DRAWN BY: M.W.W.

MILLER, DYER & CO. LLC

Ute Tribal 11-30-14-20
SECTION 30, T14S, R20E, S.L.B.&M.
2009' FSL & 1565' FWL

Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
8
OF 10



APPROXIMATE PIPELINE LENGTH = ±260 FEET

LEGEND

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

TOPOGRAPHIC MAP "D"	DATE SURVEYED: 09-12-07
	DATE DRAWN: 09-18-07
	REVISD:
SCALE: 1" = 2000'	DRAWN BY: M.W.W.

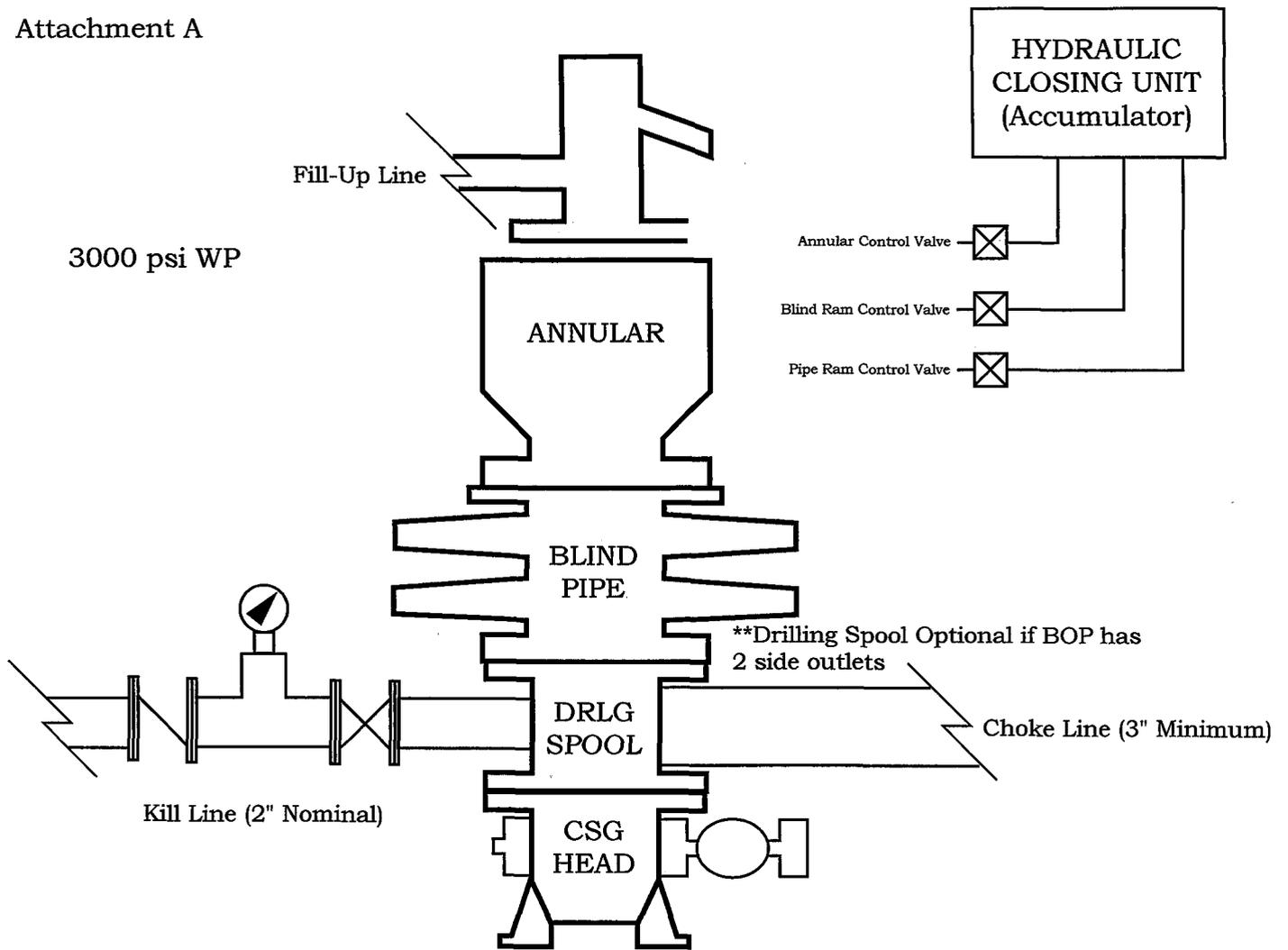
MILLER, DYER & CO. LLC

**Ute Tribal 11-30-14-20
SECTION 30, T14S, R20E, S.L.B.&M.
2009' FSL & 1565' FWL**

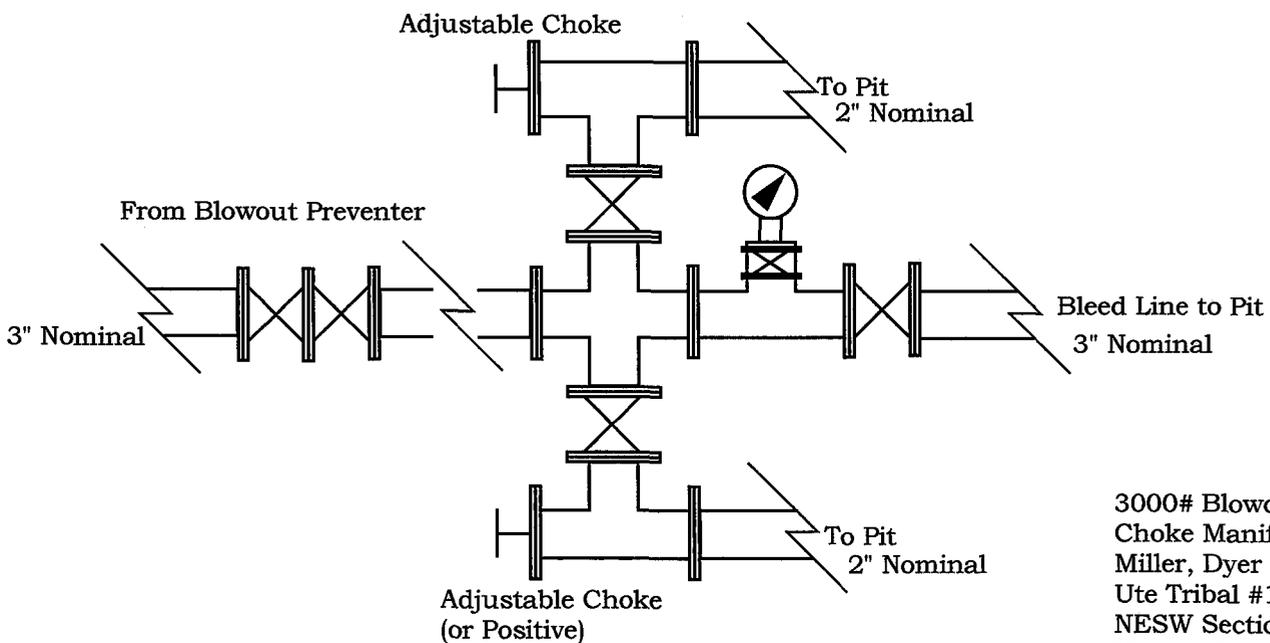
Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

**SHEET
10
OF 10**

Attachment A



Choke Manifold Requirement (3000 psi WP)



3000# Blowout Preventer &
 Choke Manifold Schematic
 Miller, Dyer & Co. LLC
 Ute Tribal #11-30-14-20
 NESW Section 30 T14S-R20E
 Uintah County, Utah

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/29/2007

API NO. ASSIGNED: 43-047-39740

WELL NAME: UTE TRIBAL 11-30-14-20
 OPERATOR: MILLER, DYER & CO, LLC (N2580)
 CONTACT: JEFF LANG

PHONE NUMBER: 303-292-0949

PROPOSED LOCATION:

NESW 30 140S 200E
 SURFACE: 2009 FSL 1565 FWL
 BOTTOM: 2009 FSL 1565 FWL
 COUNTY: UINTAH
 LATITUDE: 39.56859 LONGITUDE: -109.7236
 UTM SURF EASTINGS: 609645 NORTHINGS: 4380445
 FIELD NAME: FLAT ROCK (600)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: U-019837
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WINGT
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0008085)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. UTE)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

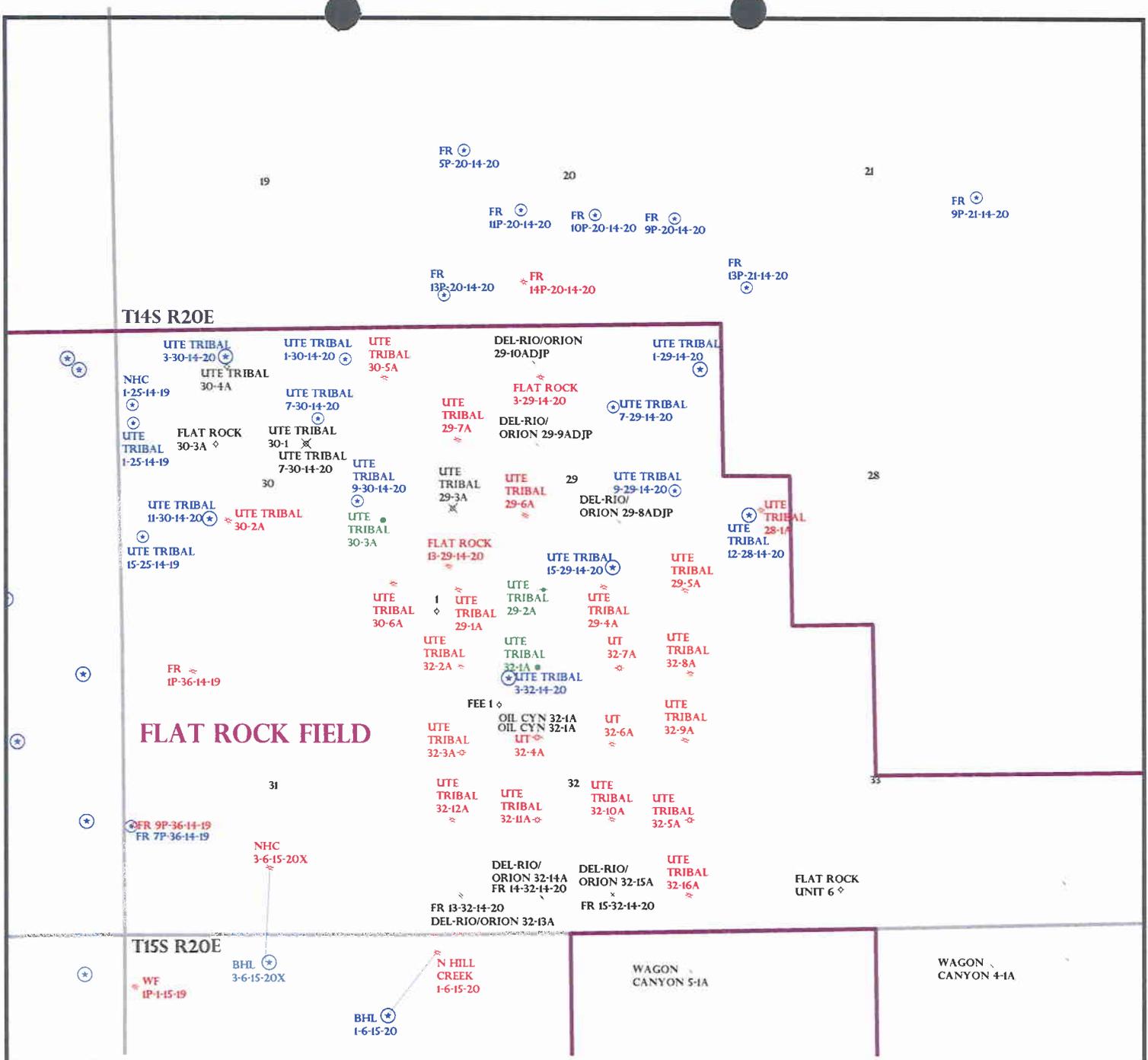
LOCATION AND SITING:

- _____ 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
 3- THIS WELL CANNOT BE COMPLETED IN THE INTERVAL AS SEEN IN THE UTE TRIBAL 30-2A.



OPERATOR: MILLER, DYER & CO (N2580)

SEC: 29,30,32 T.14S R. 20E

FIELD: FLAT ROCK (600)

COUNTY: Uintah

SPACING: R649-3-3 / EXCEPTION LOCATION

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 30-OCTOBER-2007

MILLER
MDYER & CO. LLC

475 Seventeenth Street, Suite 1200
Denver, Colorado 80202
P: 303-292-0949
F: 303-292-3901

October 22, 2007

Diana Mason
Utah Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Exception Location to Drill
Ute Tribal 11-30-14-20
Section 30, T14S R20E
U-019837
Uintah County, Utah

Dear Ms Mason:

Miller, Dyer & Co. LLC, as Operator, is proposing to drill and has made application with the Division of Oil, Gas and Mining ("DOGM") for a permit to drill the following well:

Ute Tribal 11-30-14-20

Location: 2009' FSL, 1565' FWL, (NESW) Section 30, T14S R20E, Uintah County, Utah Lease: U-019837; Record Title Owner – Chicago Energy Associates, LLC
Designated Operator: Miller, Dyer & Co. LLC (Designation on file with DOGM & SITLA)

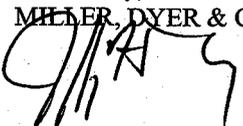
Pursuant to Rule R649-3-3, Miller, Dyer & Co. LLC is making application and seeking DOGM's administrative authority to grant an exception to the locating and siting requirements for this well.

The Flat Rock #11-30-14-20 well is approximately 215' West of the 200' drilling tolerance from the center of the 40-acre drilling unit designated as the NESW of Section 30. The present location of this well as surveyed and staked allows optimal access to the Entrada Formation as observed by our seismic survey.

Chicago Energy Associates, LLC is the owner within a 460-foot radius of the proposed well location and is the owner of the directly offsetting drilling unit being crowded by the proposed well location.

Miller-Dyer and Chicago Energy Associates, LLC respectfully requests an administrative approval by the division of an exception location for the well referenced above.

Yours truly,
MILLER, DYER & CO. LLC


Jeffrey H. Lang
Vice President of Operations

RECEIVED

OCT 29 2007

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
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

October 31, 2007

Miller, Dyer & Co., LLC
475 17th St., Ste. 1200
Denver, CO 80202

Re: Ute Tribal 11-30-14-20 Well, 2009' FSL, 1565' FWL, NE SW, Sec. 30, T. 14 South, R. 20 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-39740.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Miller, Dyer & Co., LLC
Well Name & Number Ute Tribal 11-30-14-20
API Number: 43-047-39740
Lease: U-019837

Location: NE SW **Sec.** 30 **T.** 14 South **R.** 20 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 Dustin Doucet at (801) 538-5281 (801) 733-0983 home

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. This well cannot be completed in the interval as seen in the Ute Tribal 30-2A.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See Attached List
2. NAME OF OPERATOR: Whiting Oil And Gas Company <i>N2680</i>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1700 Broadway, Ste 2300 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80290</u>		PHONE NUMBER: <u>(303) 837-1661</u>
4. LOCATION OF WELL		10. FIELD AND POOL, OR WILDCAT:
FOOTAGES AT SURFACE:		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> 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 checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective 6/1/2008, please change the Operator of record from Miller, Dyer & Co., LLC to Whiting Oil and Gas Corporation. Whiting Oil and Gas Corporation Utah State bond is #~~RLB00011670~~ or Utah BLM Bond #UTB-000148. See attached well list.

RLB0004585
BIA RLB0011681

Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

Miller, Dyer & Co., LLC
475 17th Street, Suite 1200 *N2580*
Denver, CO 80202

Miller, Dyer & Co., LLC

RECEIVED
JUN 05 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JEFFREY H. LANG TITLE UP OPERATIONS

SIGNATURE *JHL* DATE 6/3/08

Whiting Oil and Gas Corporation

NAME (PLEASE PRINT) Rick Ross TITLE UP OPERATIONS

SIGNATURE *R Ross* DATE 6/3/08

(This space for State use only)

APPROVED 7/16/2008

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

well_name	sec	twp	rng	api	entity	lease	well	stat 2	flag
UTE TRIBAL 32-5A	32	140S	200E	4304710577	12655	State	GW	S	
UTE TRIBAL 30-3A	30	140S	200E	4304710913	12395	Federal	OW	P	
UTE TRIBAL 30-5A	30	140S	200E	4304720502	12654	Federal	GW	S	
UTE TRIBAL 30-2A	30	140S	200E	4304730641	8112	Federal	GW	P	
UTE TRIBAL 29-1A	29	140S	200E	4304730981	8118	Federal	GW	P	
UTE TRIBAL 32-1A	32	140S	200E	4304732758	12064	State	OW	P	
UTE TRIBAL 29-2A	29	140S	200E	4304732945	8118	Federal	OW	P	
UTE TRIBAL 32-2A	32	140S	200E	4304733333	12658	State	GW	P	
UTE TRIBAL 32-3A	32	140S	200E	4304733334	12657	State	GW	S	
UTE TRIBAL 32-4A	32	140S	200E	4304733335	12656	State	GW	P	
UTE TRIBAL 32-6A	32	140S	200E	4304733337	12662	State	GW	P	
CHIMNEY ROCK 32-11	32	130S	210E	4304733445	12984	State	GW	S	
CHIMNEY ROCK 32-13	32	130S	210E	4304733447	12985	State	GW	P	
CHIMNEY ROCK 32-14	32	130S	210E	4304733448	12983	State	GW	P	
UTE TRIBAL 32-8A	32	140S	200E	4304733557	13066	State	GW	P	
UTE TRIBAL 32-12A	32	140S	200E	4304733558	13064	State	GW	P	
UTE TRIBAL 28-1A	28	140S	200E	4304733595	13059	Federal	GW	S	
UTE TRIBAL 30-6A	30	140S	200E	4304733596	13062	Federal	GW	P	
UTE TRIBAL 29-4A	29	140S	200E	4304733616	13060	Federal	GW	P	
UTE TRIBAL 29-5A	29	140S	200E	4304733617	13061	Federal	GW	P	
UTE TRIBAL 32-7A	32	140S	200E	4304733618	13065	State	GW	S	
UTE TRIBAL 32-9A	32	140S	200E	4304733619	13067	State	GW	P	
UTE TRIBAL 32-10A	32	140S	200E	4304733620	13054	State	GW	P	
UTE TRIBAL 32-11A	32	140S	200E	4304733621	13058	State	GW	S	
UTE TRIBAL 32-16A	32	140S	200E	4304734098	13449	State	GW	P	
UTE TRIBAL 29-6A	29	140S	200E	4304734102	13443	Federal	GW	P	
UTE TRIBAL 29-7A	29	140S	200E	4304734103	13444	Federal	GW	P	
UTE TRIBAL 10-2-15-20	02	150S	200E	4304735625	14167	State	GW	P	
FLAT ROCK 13-29-14-20	29	140S	200E	4304736778	15065	Federal	GW	P	
FLAT ROCK 3-29-14-20	29	140S	200E	4304736795	15099	Federal	GW	P	
UTE TRIBAL 6-16-14-20	16	140S	200E	4304738506	16320	State	GW	P	
UTE TRIBAL 15-25-14-19	30	140S	200E	4304739052	16169	Indian	GW	P	C
UTE TRIBAL 1-25-14-19	30	140S	200E	4304739053		Indian	GW	APD	
UTE TRIBAL 1-30-14-20	30	140S	200E	4304739665		Federal	GW	APD	
UTE TRIBAL 9-30-14-20	30	140S	200E	4304739666		Federal	GW	APD	
UTE TRIBAL 7-30-14-20	30	140S	200E	4304739667		Federal	GW	APD	
UTE TRIBAL 7-29-14-20	29	140S	200E	4304739668		Federal	GW	APD	
UTE TRIBAL 9-29-14-20	29	140S	200E	4304739669		Federal	GW	APD	
UTE TRIBAL 12-28-14-20	28	140S	200E	4304739736		Federal	GW	APD	
UTE TRIBAL 1-29-14-20	29	140S	200E	4304739737		Federal	GW	APD	
UTE TRIBAL 15-29-14-20	29	140S	200E	4304739738		Federal	GW	APD	
UTE TRIBAL 3-30-14-20	30	140S	200E	4304739739		Federal	GW	APD	
UTE TRIBAL 11-30-14-20	30	140S	200E	4304739740		Federal	GW	APD	
UTE TRIBAL 3-32-14-20	32	140S	200E	4304739741		State	GW	APD	
UTE TRIBAL 15-30-14-20	30	140S	200E	4304739942		Federal	GW	APD	

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

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	UTE TRIBAL 11-30-14-20
API number:	4304739740
Location:	Qtr-Qtr: NESW Section: 30 Township: 14S Range: 20E
Company that filed original application:	MILLER, DYER & CO., LLC
Date original permit was issued:	10/31/2007
Company that permit was issued to:	MILLER, DYER & CO., LLC

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, 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.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>RLB0011676</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) RICK ROSS Title V P OPERATIONS
 Signature [Signature] Date 6/1/08
 Representing (company name) WHITING OIL AND GAS CORPORATION

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

RECEIVED

JUN 02 2008

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2008

FROM: (Old Operator): N2580-Miller, Dyer & Co, LLC 475 17th St, Suite 1200 Denver, CO 80202 Phone: 1 (303) 292-0949	TO: (New Operator): N2680-Whiting Oil & Gas Company 1700 Broadway, Suite 2300 Denver, CO 80290 Phone: 1 (303) 837-1661
--	--

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST									

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/5/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/5/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 7/16/2008
- a. Is the new operator registered in the State of Utah: Business Number: 5890476-0143
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2)Waste Management Plan has been received on: REQUESTED 7/16/2008
- b. Inspections of LA PA state/fee well sites complete on: done
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/16/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/16/2008
- Bond information entered in RBDMS on: 7/16/2008
- Fee/State wells attached to bond in RBDMS on: 7/16/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 7/16/2008

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000148
- Indian well(s) covered by Bond Number: RLB0011681
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0004585
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

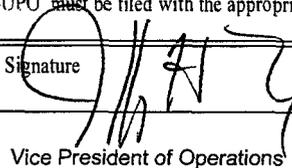
APPLICATION FOR PERMIT TO DRILL OR REENTER

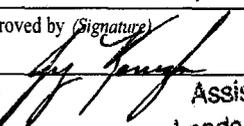
5. Lease Serial No. U-019837	
6. If Indian, Allottee or Tribe Name Ute Indian Tribe	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. Ute Tribal 11-30-14-20	
9. API Well No. 43 CA7 39740	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Flat Rock
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec 30, T14S-R20E, S
2. Name of Operator Miller, Dyer & Co. LLC	12. County or Parish Uintah
3a. Address 475 17th St. Suite 1200 Denver, CO 80202	13. State UT
3b. Phone No. (include area code) 303-292-0949	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2009 FSL 1565 FWL NESW At proposed prod. zone SAME	
14. Distance in miles and direction from nearest town or post office* See Topo Map "A" (Attached)	
15. Distance from proposed* location to nearest property or lease line, ft. 1565 (Also to nearest drig. unit line, if any)	16. No. of acres in lease 627.84
17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 375	19. Proposed Depth 12,500
20. BLM/BIA Bond No. on file UTB000058	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7225 GL	22. Approximate date work will start* 05/01/2008
23. Estimated duration 40 Days	

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Jeffrey H. Lang	Date 10/26/07
Title Vice President of Operations		

Approved by (Signature) 	Name (Printed/Typed) Terry Kevick	Date AUG 25 2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

(Continued on page 2)

*(Instructions on page 2)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
RECEIVED

SEP 02 2008

DIV. OF OIL, GAS & MINING

NO NOS
08N000051A



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

170 South 500 East

VERNAL, UT 84078

435-781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Miller Dyer & CO., LLC
Well No: Ute Tribal 11-30-14-20
API No: 43-047-39740

Location: NESW, Sec. 30, T14S, R20E
Lease No: UTU-019837
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

Specific Surface COAs

- A 55 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified shall cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

ADDITIONAL CONDITIONS OF APPROVAL:

- Paint equipment Yuma Green
- Construct a 2-foot berm around location
- Ensure drainages are re-routed, and install necessary culverts, low water crossings, etc.
- Stockpile trees along access roads.
- For any other additional stipulations, see concurrence letter.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- BOPE requirement for drilling production casing segment of wellbore is for a BOP 5m system.
- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 2900 ft, which is above the surface casing shoe.
 - Note, per operator's proposal, cementing DV Tool at 10,000 ft.
 - COA specification is consistent with operators performance standard stated in APD.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

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

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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
U-019837

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Ute Indian Tribe

7. UNIT or CA AGREEMENT NAME:

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

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
Ute Tribal 11-30-14-20

2. NAME OF OPERATOR:
Whiting Oil & Gas Corporation

9. API NUMBER:
4304739740

3. ADDRESS OF OPERATOR:
1700 Broadway, Ste. 2300 CITY **Denver** STATE **CO** ZIP **80290** PHONE NUMBER:
(303) 837-1661

10. FIELD AND POOL, OR WILDCAT:
Flat Rock

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **2,009' FSL & 1,565' FWL**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESW 30 14S 20E S**

STATE: **UTAH**

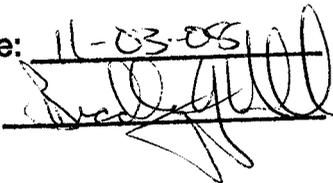
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

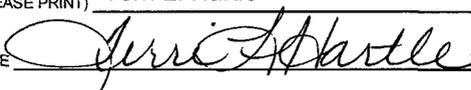
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Request for Permit 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.

Whiting Oil & Gas Company (Whiting) has acquired this well from Miller Dyer & Co. LLC. (Miller Dyer). Miller Dyer applied for the Application for Permit to Drill (APD) on this well and Whiting is requesting an extension on the APD.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-03-08
By: 

NAME (PLEASE PRINT) Terri L. Hartle TITLE Office Administrator
SIGNATURE  DATE 10/31/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 11.6.2008

Initials: KS



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

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

API: 43-047-39740
Well Name: Ute Tribal 11-30-14-20
Location: Sec. 30 14S 20E
Company Permit Issued to: Miller, Dyer & Co. LLC
Date Original Permit Issued: 10/31/2007

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

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

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

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

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

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

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

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

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

Jeri Harte
Signature

10/31/2007
Date

Title: Office Administrator

Representing: Whiting Oil & Gas Corporation



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

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

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



IN REPLY REFER TO:

3162.3

LLUTG01100

December 4, 2008

Scott M. Webb
Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, CO 80290-2300

43 047 39740

Re: Change of Operator
Well No. Ute Tribal 11-30-14-20
NESW, Sec. 30, 14S, R20E
Uintah County, Utah
Lease No. UTU-019837

Dear Mr. Webb:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Whiting Oil and Gas Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UTB000148, for all operations conducted on the referenced well on the leased land.

If you have any other questions regarding this matter, please contact Cindy Severson of this office at (435) 781-4455.

Sincerely,

Benna R. Muth
I & E Specialist

cc: UDOGM
Miller, Dyer & Co., LLC

RECEIVED
DEC 18 2008
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

RECEIVED
VERNAL FIELD OFFICE

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-019837
2. Name of Operator Whiting Oil and Gas Corporation		6. Indian, Allottee, or Tribe Name Ute Indian Tribe
3a. Address 1700 Broadway, Suite 2300 Denver, Colorado 80290-2300	3b. Phone No. (include area code) (303) 390-4095	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2009' FSL 1565' FWL Sec 30 T 14S R 20E Long. 109.723546		8. Well Name and No. Ute Tribal 11-30-14-20
		9. API Well No. 43-047-39740
		10. Field and Pool, or Exploratory Area Flat Rock
		11. County or Parish, State Uintah UT

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

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

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

Change of Operator Request:

From: Miller, Dyer & Co., LLC
475 17th Street, Suite 1200
Denver, Colorado 80202

To: Whiting Oil and Gas Corporation
1700 Broadway, Suite 2300
Denver, Colorado 80290-2300

Whiting Utah BLM Bond # UTB 000148

RECEIVED
DEC 18 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed) Scott M. Webb	Title Regulatory Coordinator
Signature <i>[Signature]</i>	Date 11/11/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title IEE Specialist	Date 12-4-08
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office VERNAL FIELD OFFICE

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

(Instructions on page 2)



**Federal Approval of this
Action is Necessary**

API Well No: 43047397400000

<p>STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING</p>	<p>FORM 9</p>
<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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.</p>	<p>5. LEASE DESIGNATION AND SERIAL NUMBER: U-019837</p>
<p>1. TYPE OF WELL Gas Well</p>	<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE</p>
<p>2. NAME OF OPERATOR: WHITING OIL & GAS CORPORATION</p>	<p>7. UNIT or CA AGREEMENT NAME:</p>
<p>3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 2300 , Denver, CO, 80290 2300</p>	<p>8. WELL NAME and NUMBER: UTE TRIBAL 11-30-14-20</p>
<p>4. LOCATION OF WELL FOOTAGES AT SURFACE: 2009 FSL 1565 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 30 Township: 14.0S Range: 20.0E Meridian: S</p>	<p>9. API NUMBER: 43047397400000</p>
<p>PHONE NUMBER: 303 390-4095 Ext</p>	<p>9. FIELD and POOL or WILDCAT: FLAT ROCK</p>
<p>COUNTY: UINTAH</p>	<p>STATE: UTAH</p>

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

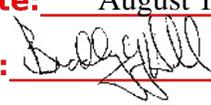
TYPE OF SUBMISSION	TYPE OF ACTION		
<p><input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/13/2009</p> <p><input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:</p> <p><input type="checkbox"/> SPUD REPORT Date of Spud:</p> <p><input type="checkbox"/> DRILLING REPORT Report Date:</p>	<p><input type="checkbox"/> ACIDIZE</p> <p><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS</p> <p><input type="checkbox"/> CHANGE WELL STATUS</p> <p><input type="checkbox"/> DEEPEN</p> <p><input type="checkbox"/> OPERATOR CHANGE</p> <p><input type="checkbox"/> PRODUCTION START OR RESUME</p> <p><input type="checkbox"/> REPERFORATE CURRENT FORMATION</p> <p><input type="checkbox"/> TUBING REPAIR</p> <p><input type="checkbox"/> WATER SHUTOFF</p> <p><input type="checkbox"/> WILDCAT WELL DETERMINATION</p>	<p><input type="checkbox"/> ALTER CASING</p> <p><input type="checkbox"/> CHANGE TUBING</p> <p><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</p> <p><input type="checkbox"/> FRACTURE TREAT</p> <p><input type="checkbox"/> PLUG AND ABANDON</p> <p><input type="checkbox"/> RECLAMATION OF WELL SITE</p> <p><input type="checkbox"/> SIDETRACK TO REPAIR WELL</p> <p><input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> SI TA STATUS EXTENSION</p> <p><input type="checkbox"/> OTHER</p>	<p><input type="checkbox"/> CASING REPAIR</p> <p><input type="checkbox"/> CHANGE WELL NAME</p> <p><input type="checkbox"/> CONVERT WELL TYPE</p> <p><input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> PLUG BACK</p> <p><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</p> <p><input type="checkbox"/> TEMPORARY ABANDON</p> <p><input type="checkbox"/> WATER DISPOSAL</p> <p><input type="checkbox"/> APD EXTENSION</p> <p>OTHER: _____</p>

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

Whiting Oil and Gas Corporation would like to move the BHL 300' to the north to adjust for a fault that the geologists think is directly under the SHL. Attached please find the revised plat, drilling plan, directional drilling plan, and multi-string cement plan.

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

Date: August 10, 2009

By: 

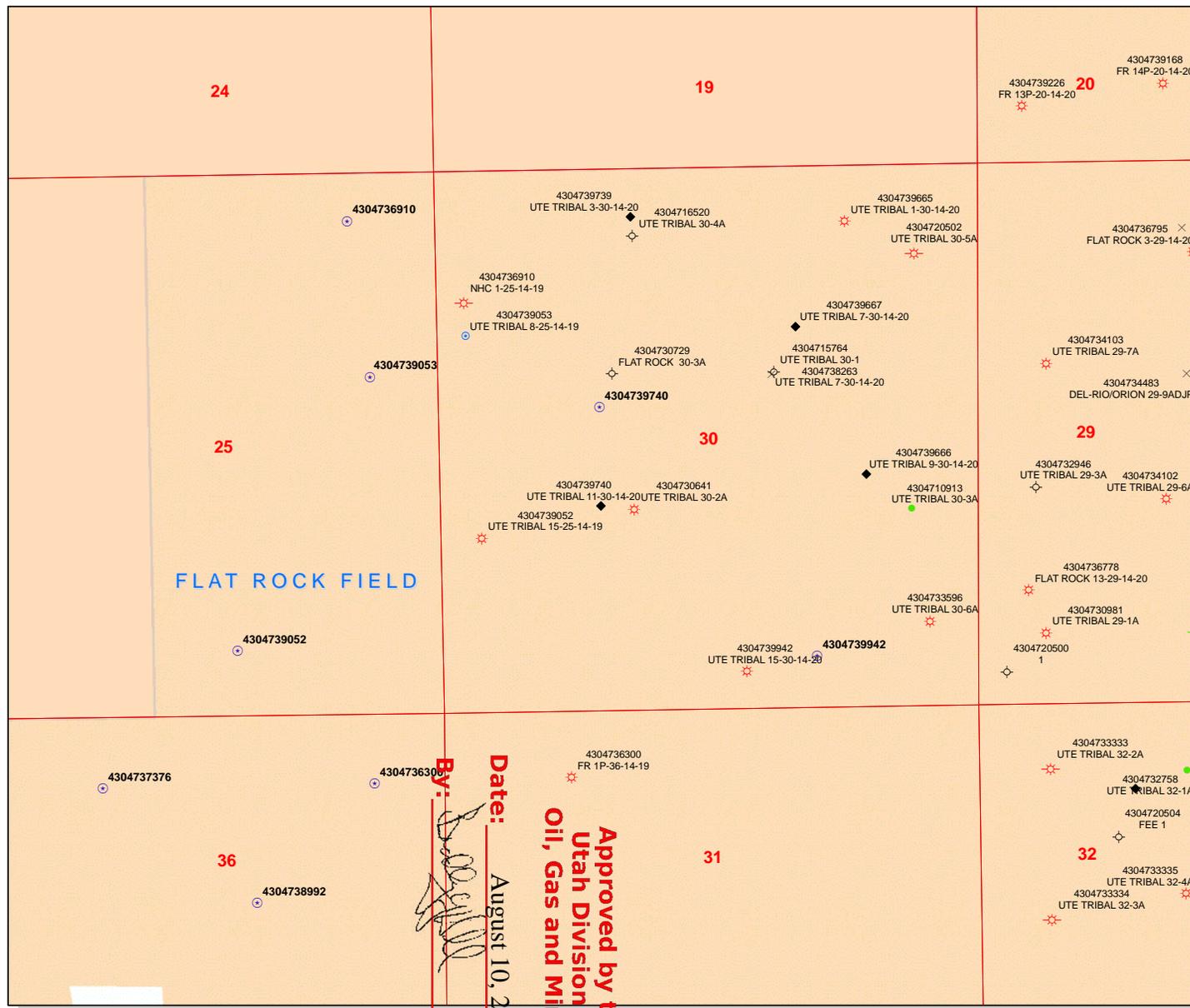
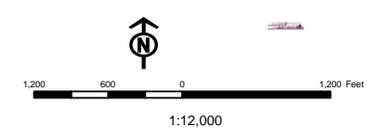
NAME (PLEASE PRINT) Terri Hartle	PHONE NUMBER 435 896-5501	TITLE Admin/Regulatory (Western Land Services)
SIGNATURE N/A		DATE 8/6/2009

RECEIVED August 06, 2009

API Number: 4304739740
Well Name: UTE TRIBAL 11-30-14-20
Township 14.0 S Range 20.0 E Section 30
Meridian: SLBM
 Operator: WHITING OIL & GAS CORPORATION

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|---------------------------|
| Units | Wells Query Events |
| STATUS | GIS_STAT_TYPE |
| ACTIVE | <-Null> |
| EXPLORATORY | APD |
| GAS STORAGE | DRL |
| NF PP OIL | GI |
| NF SECONDARY | GS |
| PI OIL | LA |
| PP GAS | NEW |
| PP GEOTHERM | OPS |
| PP OIL | PA |
| SECONDARY | PGW |
| TERMINATED | POW |
| Fields | RET |
| ACTIVE | SGW |
| COMBINED | SOW |
| Sections | TA |
| | TW |
| | WD |
| | WT |
| | WS |



Approved by the
Utah Division of
Oil, Gas and Mining
 Date: August 10, 2009
 By: *[Signature]*



WESTERN LAND SERVICES

August 6, 2009

Utah Division of Oil, Gas & Mining
Diana Mason
1594 W. N. Temple Suite 1210
Salt Lake City, Utah 84114-5801

RE: Whiting Oil and Gas Corporation (Whiting) Requests Permission to Drill the Ute Tribal 11-30-14-20 well

Diana:

Pursuant to Rule R649-3-11 of the State's Oil & Gas Conservation regulations, Whiting hereby makes application for approval to drill the Ute Tribal 11-30-14-20 well situated in Township 14 South – Range 20 East; Section 30: NE/SW (2,009' FSL – 1,565' FWL) on lands administered by the Department of Interior – Bureau of Land Management (BLM). The surface is Ute Tribal lands and the minerals are held by the BLM. The BLM has leased the minerals out to Whiting under lease number UTU – 019837.

Whiting proposes to drill the Ute Tribal 11-30-14-20 well to a total depth of 12,500 feet and is an exception to Rule R649-3-3. Whiting is the only leasehold owner and operator within a 460 foot radius of the bore hole.

Whiting proposes to use a directional drilling program for the Ute Tribal 11-30-14-20 well with a bottom hole location of Township 14 South-Range 20 East; Section 30: NE/SW (2,309 FSL – 1,565' FWL). This well is situated outside of the legal drilling window due to the steep terrain of the area. Other alternatives were identified but the proposed access route and well location provides the most environmentally sensitive options. Attached hereto is a plat as required by the Commissions rules and regulations.

If no objections are filed, the applicant requests that this application be approved. If objections are filed, applicant requests the matter be set for hearing and that it be advised of the hearing date.

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

Date: August 10, 2009

By: [Signature]

Respectfully submitted,

Terri Hartle, Western Land Services
Designated Agent for Whiting Oil and Gas Corporation

WESTERN LAND SERVICES - UTAH DIVISION

195 North 100 East, Suite 201 • Richfield, UT 84701 • Phone: (435) 896-5501 • Fax: (435) 896-5515

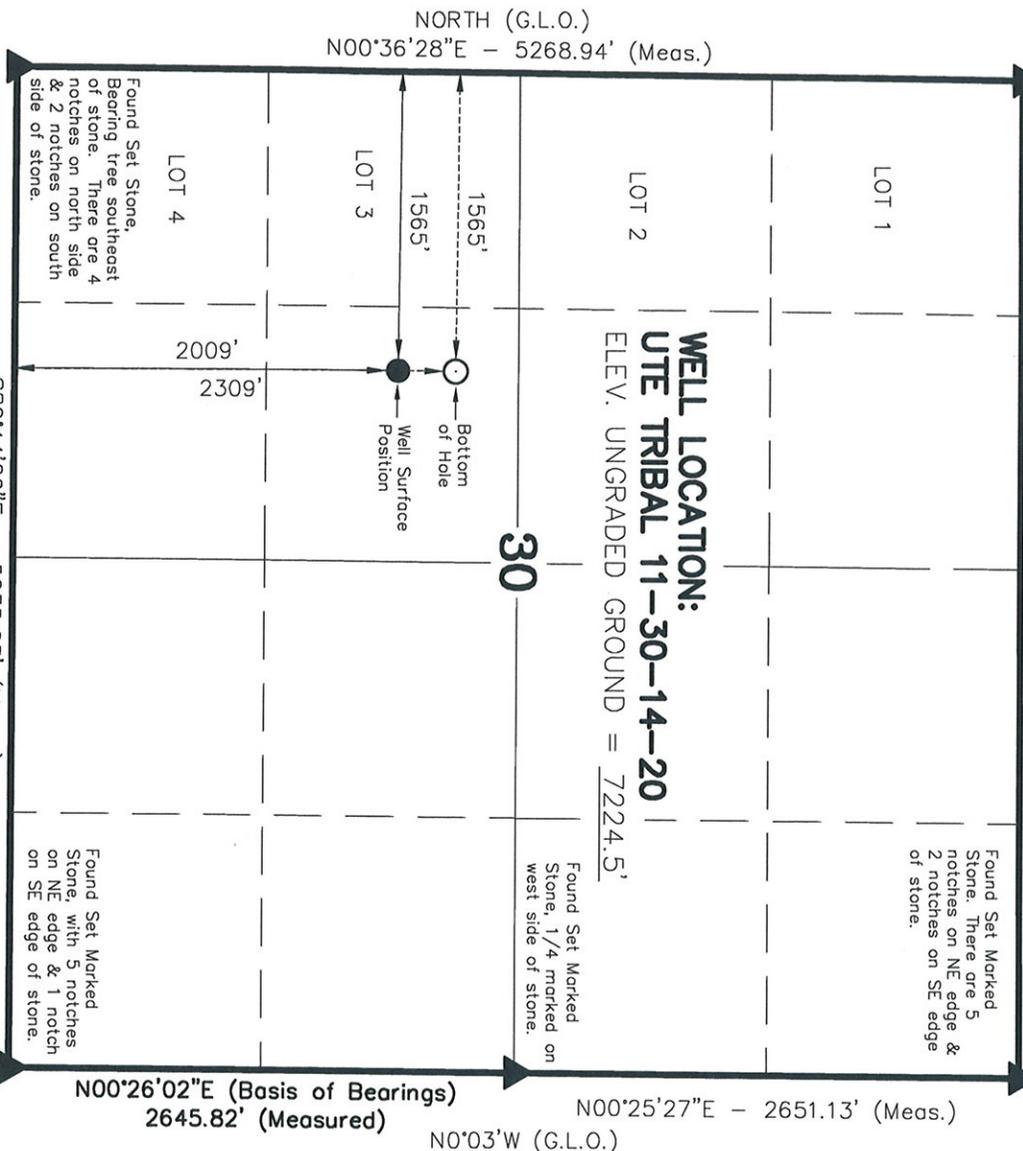
Web: www.westernls.com

T14S, R20E, S.L.B.&M.

WHITTING OIL AND GAS CORPORATION

Found Set Stone.
There are 5 notches on north side & 1 notch on south side of stone.

N89°54'E - 78.46' (G.L.O.)
N89°57'10"E - 5219.34' (Meas.)



Found Set Marked Stone. There are 5 notches on NE edge & 2 notches on SE edge of stone.

Found Set Marked Stone, 1/4 marked on west side of stone.

Found Set Marked Stone, with 5 notches on NE edge & 1 notch on SE edge of stone.

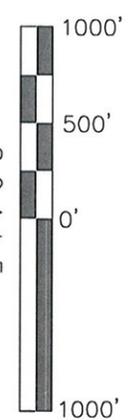
S89°44'20"E - 5235.63' (Meas.)
N89°54'E - 78.50' (G.L.O.)

= SECTION CORNERS LOCATED

UTE TRIBAL 11-30-14-20
(Bottom Hole) NAD 83 Autonomous
LATITUDE = 39° 34' 09.99"
LONGITUDE = 109° 43' 27.52"

UTE TRIBAL 11-30-14-20
(Surface Position) NAD 83 Autonomous
LATITUDE = 39° 34' 07.02"
LONGITUDE = 109° 43' 27.56"

WELL LOCATION, UTE TRIBAL 11-30-14-20, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 30, T14S, R20E, S.L.B.&M. UINTAH COUNTY, UTAH.



SCALE



- NOTES:
1. Well footages are measured at right angles to the Section Lines.
 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
 3. The Bottom of hole bears N00°40'18"E 300.17' from the Surface Position.
 4. Bearings are based on Global Positioning Satellite observations.
 5. BASIS OF ELEVATION IS BENCH MARK 60 WF 1952 LOCATED IN THE SW 1/4 OF SECTION 35, T14S, R20E, S.L.B.&M. THE ELEVATION OF THIS BENCH MARK IS SHOWN ON THE FLAT ROCK MESA 7.5 MIN. QUADRANGLE AS BEING 7363'.

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 362251
STATE OF UTAH
Kathy R. Kolby
KOLBY R.
KOLBY R.
SURVEYOR

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 09-12-07	SURVEYED BY: B.J.S.	SHEET 2
DATE DRAWN: 09-18-07	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 07-27-09	OF 11

Whiting Petroleum

Uintah County, UT
Flat Rock 11-30-14-20
UTE Tribal 11-30-14-20
Wellbore #1

Plan: Revised 07_30_09

Standard Planning Report

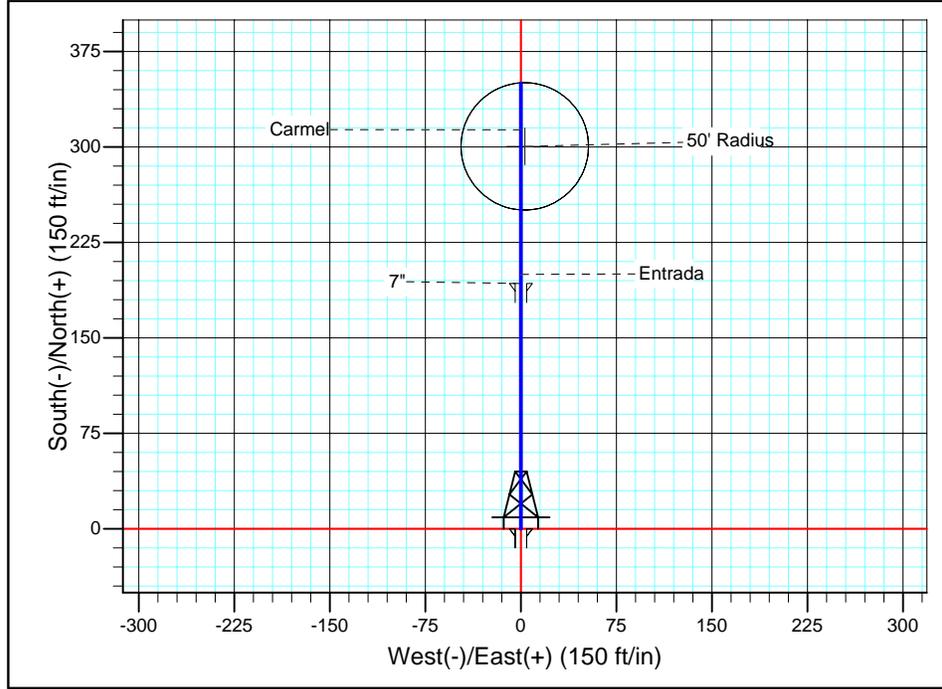
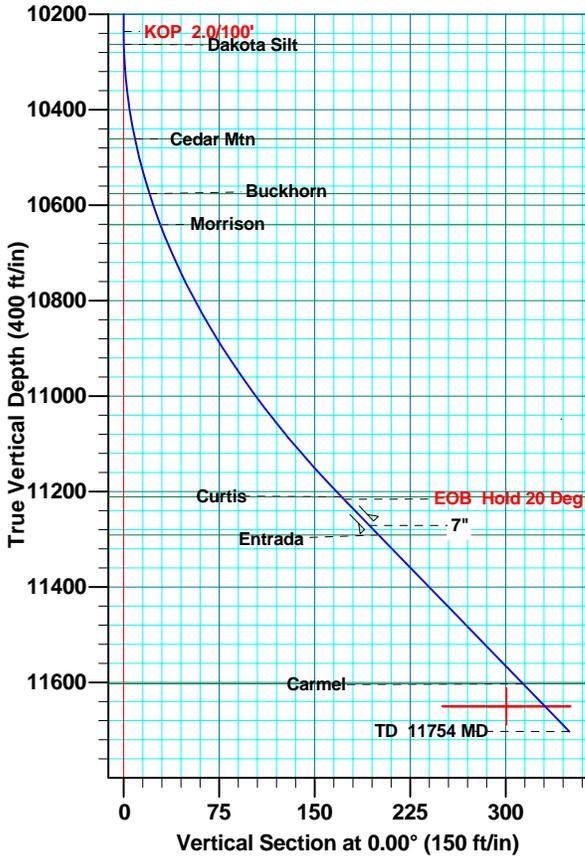
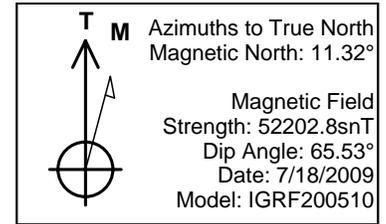
30 July, 2009

Whiting Petroleum
UTE Tribal 11-30-14-20
Uintah County, UT
Revised 07_30_09



Whiting Petroleum Corporation

PROJECT DETAILS: Uintah County, UT	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	Utah Central Zone
System Datum:	Ground Level



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	10236.4	0.00	0.00	10236.4	0.0	0.0	0.00	0.00	0.0
3	11236.4	20.00	0.00	11216.2	172.8	0.0	2.00	0.00	172.8
4	11316.0	20.00	0.00	11291.0	200.0	0.0	0.00	0.00	200.0
5	11754.4	20.00	0.00	11703.0	350.0	0.0	0.00	0.00	350.0

FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
2103.0	2103.0	Wasatch
3904.0	3904.0	Mesaverde
6189.0	6189.0	Castlegate
6439.0	6439.0	Mancos
10263.0	10263.0	Dakota Silt
10461.0	10461.2	Cedar Mtn
10576.0	10576.8	Buckhorn
10641.0	10642.4	Morrison
11211.0	11230.9	Curtis
11291.0	11316.0	Entrada
11603.0	11648.0	Carmel

Crescent Directional Drilling

Planning Report

Database: EDM 2003.16 Single User Db	Local Co-ordinate Reference: Well UTE Tribal 11-30-14-20
Company: Whiting Petroleum	TVD Reference: WELL @ 7252.5ft (Bronco #27)
Project: Uintah County, UT	MD Reference: WELL @ 7252.5ft (Bronco #27)
Site: Flat Rock 11-30-14-20	North Reference: True
Well: UTE Tribal 11-30-14-20	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Revised 07_30_09	

Project Uintah County, UT	
Map System: US State Plane 1983	System Datum: Ground Level
Geo Datum: North American Datum 1983	
Map Zone: Utah Central Zone	

Site Flat Rock 11-30-14-20		
Site Position:	Northing: 2,138,653.73 m	Latitude: 39° 34' 7.020 N
From: Lat/Long	Easting: 652,558.01 m	Longitude: 109° 43' 27.560 W
Position Uncertainty: 0.0 ft	Slot Radius: in	Grid Convergence: 1.14 °

Well UTE Tribal 11-30-14-20			
Well Position	+N/-S 0.0 ft	Northing: 2,138,653.73 m	Latitude: 39° 34' 7.020 N
	+E/-W 0.0 ft	Easting: 652,558.01 m	Longitude: 109° 43' 27.560 W
Position Uncertainty	0.0 ft	Wellhead Elevation: 28.0 ft	Ground Level: 28.0 ft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/18/2009	11.32	65.53	52,203

Design Revised 07_30_09				
Audit Notes:				
Version:	Phase: PROTOTYPE	Tie On Depth: 0.0		
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	0.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
10,236.4	0.00	0.00	10,236.4	0.0	0.0	0.00	0.00	0.00	0.00	0.00
11,236.4	20.00	0.00	11,216.2	172.8	0.0	2.00	2.00	0.00	0.00	0.00
11,316.0	20.00	0.00	11,291.0	200.0	0.0	0.00	0.00	0.00	0.00	0.00
11,754.4	20.00	0.00	11,703.0	350.0	0.0	0.00	0.00	0.00	0.00	0.00

Crescent Directional Drilling

Planning Report

Database: EDM 2003.16 Single User Db	Local Co-ordinate Reference: Well UTE Tribal 11-30-14-20
Company: Whiting Petroleum	TVD Reference: WELL @ 7252.5ft (Bronco #27)
Project: Uintah County, UT	MD Reference: WELL @ 7252.5ft (Bronco #27)
Site: Flat Rock 11-30-14-20	North Reference: True
Well: UTE Tribal 11-30-14-20	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Revised 07_30_09	

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8"									
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,103.0	0.00	0.00	2,103.0	0.0	0.0	0.0	0.00	0.00	0.00
Wasatch									
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,904.0	0.00	0.00	3,904.0	0.0	0.0	0.0	0.00	0.00	0.00
Mesaverde									
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00

Crescent Directional Drilling

Planning Report

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well UTE Tribal 11-30-14-20
Company:	Whiting Petroleum	TVD Reference:	WELL @ 7252.5ft (Bronco #27)
Project:	Uintah County, UT	MD Reference:	WELL @ 7252.5ft (Bronco #27)
Site:	Flat Rock 11-30-14-20	North Reference:	True
Well:	UTE Tribal 11-30-14-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Revised 07_30_09		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,189.0	0.00	0.00	6,189.0	0.0	0.0	0.0	0.00	0.00	0.00
Castlegate									
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,439.0	0.00	0.00	6,439.0	0.0	0.0	0.0	0.00	0.00	0.00
Mancos									
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00

Crescent Directional Drilling

Planning Report

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well UTE Tribal 11-30-14-20
Company:	Whiting Petroleum	TVD Reference:	WELL @ 7252.5ft (Bronco #27)
Project:	Uintah County, UT	MD Reference:	WELL @ 7252.5ft (Bronco #27)
Site:	Flat Rock 11-30-14-20	North Reference:	True
Well:	UTE Tribal 11-30-14-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Revised 07_30_09		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,236.4	0.00	0.00	10,236.4	0.0	0.0	0.0	0.00	0.00	0.00
KOP 2.0/100'									
10,263.0	0.53	0.00	10,263.0	0.1	0.0	0.1	2.00	2.00	0.00
Dakota Silt									
10,300.0	1.27	0.00	10,300.0	0.7	0.0	0.7	2.00	2.00	0.00
10,400.0	3.27	0.00	10,399.9	4.7	0.0	4.7	2.00	2.00	0.00
10,461.2	4.50	0.00	10,461.0	8.8	0.0	8.8	2.00	2.00	0.00
Cedar Mtn									
10,500.0	5.27	0.00	10,499.6	12.1	0.0	12.1	2.00	2.00	0.00
10,576.8	6.81	0.00	10,576.0	20.2	0.0	20.2	2.00	2.00	0.00
Buckhorn									
10,600.0	7.27	0.00	10,599.0	23.1	0.0	23.1	2.00	2.00	0.00
10,642.4	8.12	0.00	10,641.0	28.7	0.0	28.7	2.00	2.00	0.00
Morrison									
10,700.0	9.27	0.00	10,698.0	37.4	0.0	37.4	2.00	2.00	0.00
10,800.0	11.27	0.00	10,796.4	55.3	0.0	55.3	2.00	2.00	0.00
10,900.0	13.27	0.00	10,894.1	76.5	0.0	76.5	2.00	2.00	0.00
11,000.0	15.27	0.00	10,991.0	101.2	0.0	101.2	2.00	2.00	0.00
11,100.0	17.27	0.00	11,087.0	129.2	0.0	129.2	2.00	2.00	0.00
11,200.0	19.27	0.00	11,182.0	160.6	0.0	160.6	2.00	2.00	0.00
11,230.9	19.89	0.00	11,211.0	170.9	0.0	170.9	2.00	2.00	0.00
Curtis									
11,236.4	20.00	0.00	11,216.2	172.8	0.0	172.8	1.99	1.99	0.00
EOB Hold 20 Deg									
11,294.7	20.00	0.00	11,271.0	192.7	0.0	192.7	0.00	0.00	0.00
7"									
11,300.0	20.00	0.00	11,276.0	194.5	0.0	194.5	0.00	0.00	0.00
11,316.0	20.00	0.00	11,291.0	200.0	0.0	200.0	0.00	0.00	0.00
Entrada									
11,400.0	20.00	0.00	11,370.0	228.7	0.0	228.7	0.00	0.00	0.00
11,500.0	20.00	0.00	11,463.9	262.9	0.0	262.9	0.00	0.00	0.00
11,600.0	20.00	0.00	11,557.9	297.1	0.0	297.1	0.00	0.00	0.00
11,648.0	20.00	0.00	11,603.0	313.6	0.0	313.6	0.00	0.00	0.00
Carmel									
11,687.7	20.00	0.00	11,640.3	327.1	0.0	327.1	0.00	0.00	0.00
UT 11-30-14-20									
11,700.0	20.00	0.00	11,651.9	331.3	0.0	331.3	0.00	0.00	0.00
11,754.4	20.00	0.00	11,703.0	349.9	0.0	349.9	0.00	0.00	0.00
TD 11754 MD									

Crescent Directional Drilling

Planning Report

Database: EDM 2003.16 Single User Db	Local Co-ordinate Reference: Well UTE Tribal 11-30-14-20
Company: Whiting Petroleum	TVD Reference: WELL @ 7252.5ft (Bronco #27)
Project: Uintah County, UT	MD Reference: WELL @ 7252.5ft (Bronco #27)
Site: Flat Rock 11-30-14-20	North Reference: True
Well: UTE Tribal 11-30-14-20	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Revised 07_30_09	

Targets										
Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
	- Shape	(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)		
UT 11-30-14-20		0.00	0.00	11,650.0	300.5	3.1	2,138,745.32	652,557.15	39° 34' 9.990 N	109° 43' 27.520 W
- plan misses target center by 28.5ft at 11687.7ft MD (11640.3 TVD, 327.1 N, 0.0 E) - Circle (radius 50.0)										

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(in)	(in)	
500.0	500.0	13 3/8"	13.375	17.500	
4,100.0	4,100.0	9 5/8"	9.625	12.250	
11,294.7	11,271.0	7"	7.000	8.750	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
6,189.0	6,189.0	Castlegate		0.00	
6,439.0	6,439.0	Mancos		0.00	
11,230.9	11,211.0	Curtis		0.00	
10,263.0	10,263.0	Dakota Silt		0.00	
10,461.2	10,461.0	Cedar Mtn		0.00	
10,642.4	10,641.0	Morrison		0.00	
3,904.0	3,904.0	Mesaverde		0.00	
10,576.8	10,576.0	Buckhorn		0.00	
11,316.0	11,291.0	Entrada		0.00	
2,103.0	2,103.0	Wasatch		0.00	
11,648.0	11,603.0	Carmel		0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
10,236.4	10,236.4	0.0	0.0	KOP 2.0/100'	
11,236.4	11,216.2	172.8	0.0	EOB Hold 20 Deg	
11,754.4	11,703.0	349.9	0.0	TD 11754 MD	

**Whiting Oil & Gas Corp.
 Ute Tribal 11-30-14-20 Well Plan
 Directional Entrada well
 Change in BHL & Casing Design**

Surface Location: NESW 30-T14S-R20E SLB&M
 2009' FSL & 1565' FWL
 Uintah County, Utah

SUMMARY:

Whiting Oil & Gas Corp. is requesting a change in BHL and Casing design for the Ute Tribal 11-30-14-20 well. The original location for the vertical well put the BHL in very close to a fault. WOGC is requesting to move the BHL 300' to the north to move away from the fault. The BHL will stay in the same quarter/quarter, NESW as the original vertical well. SHL will remain as per the original permit.

The well will be an openhole completion in the Entrada. 7" casing will be set at the top of the Entrada, and the Entrada drilled with a 6-1/8" bit. TD for the well will be 100' below the top of the Entrada, and above the Windgate. The openhole section will be drilled with an aerated fluid due the low pressure (0.35 psi/ft) in the Entrada. The wellbore will cut the Entrada at a high angle, 20° inclination, on a south to north trajectory. The build and hold directional design will allow the well path to intersect the east to west fracture network in the Entrada formation.

DRILLING PROGRAM

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Ground Level 7,225' Estimated KB 7,253' (28')

<u>Formation</u>	<u>TVD</u>	<u>Core</u>	<u>Lithology</u>	<u>Hazard</u>
Green River	28'		Oil Shale	Oil/Gas
Wasatch	2,103'		SS-SH	Oil/Gas
Mesaverde	3,904'		SS-SH	Oil
Castlegate SS	6,189'		Sandstone	Gas
Mancos	6,439'		SS-SH	Gas
Dakota	10,361'		Sandstone	Gas
Cedar Mtn	10,461'		Sandstone	Gas
Morrison	10,641'		SS-SH	Gas
Curtis	11,211'		SS-SH	Gas
Entrada	11,291'	Possible	Sandstone	Gas
Total Depth	11,703'			

Bottom Hole Location: NESW 30-T14S-R20E SLB&M
 2309' FSL & 1565' FWL
 Uintah County, Utah

*See Attached Directional Well Plan

2. PRESSURE CONTROL EQUIPMENT

- A. Type:**
- 11" 5000 psi annular preventer
 - 11" 5000 psi double ram hydraulic BOP
 - 1 – Blind Ram
 - 1 - Pipe Ram
 - Drilling Spool
 - Kill lines will be 2" x 5,000 psi working pressure
 - Choke lines will be 3" x 5,000 psi working pressure
 - 5,000 psi Casing head

B. Testing Procedure:

The annular preventer will be pressure tested to 50% of stack rated working pressure for ten (10) minutes or until provisions of test are met, whichever is longer. The BOP, choke manifold, and related equipment will be pressure tested to approved BOP stack working pressure (if isolated from surface casing by a test plug) or to 70% of surface casing internal yield strength (if BOP is not isolated by a test plug). Pressure will be maintained for ten (10) minutes or until the requirements of the test are met, whichever is longer. At a minimum, the Annular and Blow-Out Preventer pressure tests will be performed:

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

Annular will be function tested weekly, and pipe & blind rams activated each trip, but not more than once per day. All BOP drills & tests will be recorded in IADC driller's log.

C. Choke Manifold Equipment:

All choke lines will be straight lines whenever possible at turns, tee blocks will be used or will be targeted with running tees, and will be anchored to prevent whip and vibration.

D. Accumulator:

Accumulator will have sufficient capacity to open hydraulically-controlled choke line valve (if so equipped), close all rams plus annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double accumulator capacity and the fluid level will be maintained at manufacturer's recommendations. Accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack.

E. Miscellaneous Information:

Choke manifold and BOP extension rods with hand wheels will be located outside rig sub-structure. Hydraulic BOP closing unit will be located at least twenty-five (25) feet from the wellhead but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole. A flare line will be installed after the choke manifold with the discharge point of the flare line to a separate pit located at least 125 feet away from the wellbore and any existing production facilities.

3. PROPOSED CASING PROGRAM

Hole Size	Setting Depth (MD)	Casing Size	Wt./Ft.	Grade	Thread
17-1/2"	500'	13-3/8"	48.00	H-40	STC
12-1/4"	4,200'	9-5/8"	36.00	J-55	LTC
8-3/4"	11,300'	7"	29.00	L-80	LTC
6-1/8"	11,754'	Open Hole			

4. PROPOSED CEMENTING PROGRAM

SURFACE 500' MD: TOC Surface (100% Excess)

Single Stage (Includes Top Out): 390 sacks, Rockies LT

<u>Cement Properties</u>	<u>Slurry</u>
Slurry Weight (ppg)	13.5
Slurry Yield (cf/sack)	1.80

INTERMEDIATE 4,200' MD: TOC Surface (75% Excess, TOT: 3700' MD, TOL: 200' into surface casing)

Lead: 480 sacks Halliburton ECONOCEM SYSTEM

Tail: 253 sacks Halliburton Premium Cement

<u>Cement Properties</u>	<u>Lead Slurry</u>	<u>Tail Slurry</u>
Slurry Weight (ppg)	11.0	15.8
Slurry Yield (cf/sack)	3.81	1.15

PRODUCTION 11,300' MD: TOC Surface (40% Excess, TOT: 10,150' MD above the Dakota Silt, TOL: 4000' MD)

Lead: 480 sacks Halliburton Foamed Lead Cement Elastiseal System

Tail: 255 sacks Halliburton Elastiseal System

<u>Cement Properties</u>	<u>Lead Slurry</u>	<u>Tail Slurry</u>
Slurry Weight (ppg)	14.30	14.30
Slurry Yield (cf/sack)	1.47	1.47

* See Attached cement program.

5. MUD PROGRAM

<u>Depth (MD)</u>	<u>Mud System</u>	<u>MW</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>
0 - 500	Air	N/A	N/A	N/A	N/A
500' - 4,200'	Spud Mud	8.4 - 8.6	0 - 15	0 - 10	N/C
4,200' - 11,300'	3% KCL / Polymer	8.6 - 9.5	5 - 10	5 - 15	>8
11,300' - TD	3% KCL / Polymer Aerated	6.7 - 7.3	5 - 10	5 - 15	>8

Surface hole (0' – 500') will be drilled with the drilling rig using an air/foam package. Air/foam package will consist of compressors, booster, and foam unit. (See attached drawing and data). Package will compress 3200 SCFM of air and a fluid package capable of pumping 60 gpm nominal, of fluid to 600 psig. This same package will move 2100 SCFM two staged @ 1500 psig.

Special Drilling Operations

- Rotating Head
- Bloopie line discharge 100 feet from well bore and securely anchored
- Straight run on bloopie line
- Compressors located in the opposite direction from the bloopie line
- Compressors located a minimum of 100 feet the well bore

Entrada Open hole Section 11,503' – TD will be drilled with an Aerated 3% KCL / Polymer mud system to minimize formation damage due to low BHP. An air package will consist of compressors and booster. Package should provide 2500 SCFM @ 1500 psig.

6. Testing, Logging and Core Programs

Cores: None planned
DST: None planned

Surveys: Per Directional Plan

Mud Logger: Surface

Samples: 30' samples from surface to Entrada
10' samples to TD

Open Hole Logging Program: Triple Combo TD to Surface Casing

7. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES:

No H₂S gas is anticipated.

Maximum pressure at the base of the Curtis, 4,883 psi (0.433 psi/ft normal pressure gradient) at 11,276' TVD.

Anticipated bottomhole pressure at TD is 4,096 psi (0.35 psi/ft) at 11,703' TVD (6.73 ppg equivalent).

Normal BHT calculated at 1.25°F/100' with a 65°F surface Temperature.
BHT @ 11,703' TVD = 212°F.

8. ANTICIPATED STARTING DATE AND DURATION:

Dirt work startup: August 2009

Spud: September 2009

Duration: 35 - 40 days



Whiting Oil & Gas Corp Ebusiness
Do Not Mail - 1700 Broadway Ste2300
Denver, Colorado 80290

Ute Tribal 11-30-14-20
Flat Rock Field
Uintah County, Utah
United States of America

Multiple String Cement Recommendation

Prepared for: Mr. Dana Greathouse

July 30, 2009
Version: 1

Submitted by:
Matt Collins
Halliburton
1125 17th Street #1900
Denver, Colorado 80202
303.501.9557



Halliburton appreciates the opportunity to present this proposal and looks forward to being of service to you.

Foreword

Enclosed is our recommended procedure for cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

Halliburton Energy Services recognizes the importance of meeting society's needs for health, safety, and protection of the environment. It is our intention to proactively work with employees, customers, the public, governments, and others to use natural resources in an environmentally sound manner while protecting the health, safety, and environmental processes while supplying high quality products and services to our customers.

We appreciate the opportunity to present this proposal for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representative listed below.

Prepared by: _____
Sally Hourigan
Proposal Specialist

Submitted by: _____
Matt Collins
Technical Advisor

SERVICE CENTER:	Vernal
SERVICE COORDINATOR:	Weston Spencer / Cody Slaugh
PSL DISTRICT MANAGER:	Christopher Jerez
PDC:	Jason Bergin / Corey Reynolds
CMT ENGINEERS:	Chris Cicirello / Sean Bullington Ted Groff
PHONE NUMBER:	435.789.2550

Cementing Best Practices

1. Cement quality and weight: You must choose a cement slurry that is designed to solve the problems specific to each casing string.
2. Waiting time: You must hold the cement slurry in place and under pressure until it reaches its' initial set without disturbing it. A cement slurry is a time-dependent liquid and must be allowed to undergo a hydration reaction to produce a competent cement sheath. A fresh cement slurry can be worked (thickening or pump time) as long as it is in a plastic state and before going through its' transition phase. If the cement slurry is not allowed to transition without being disturbed, it may be subjected to changes in density, dilution, settling, water separation, and gas cutting that may lead to a lack of zonal isolation and possible bridging in the annulus.
3. Pipe movement: Pipe movement may be one of the single most influential factors in mud removal. Reciprocation and/or rotation mechanically breaks up gelled mud and changes the flow patterns in the annulus to improve displacement efficiency.
4. Mud properties (for cementing):
Rheology:
Plastic Viscosity (PV) < 15 centipoise (cp)
Yield Point (YP) < 10 lb/100 ft²
These properties should be reviewed with the Mud Engineer, Drilling Engineer, and Company Representative(s) to ensure no hole problems are created.
Gel Strength:
The 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft². Sufficient shear stress may not be achieved on a primary cement job to remove mud left in the hole if the mud were to develop more than 25 lb/100 ft² of gel strength.
Fluid Loss:
Decreasing the filtrate loss into a permeable zone enhances the creation of a thin, competent filter cake. A thin, competent filter cake created by a low fluid loss mud system is desirable over a thick, partially gelled filter cake. A mud system created with a low fluid loss will be more easily displaced. The fluid loss value should be < 15 cc's (ideal would be 5 cc's).
5. Circulation: Prior to cementing circulate full hole volume twice, or until well conditioned mud is being returned to the surface. There should be no cutting in the mud returns. An annular velocity of 260 feet per minute is optimum (SPE/IADC 18617), if possible.
6. Flow rate: Turbulent flow is the most desirable flow regime for mud removal. If turbulence cannot be achieved pump at as high a flow rate that can practically and safely be used to create the maximum flow energy. The highest mud removal is achieved when the maximum flow energy is obtained.
7. Pipe Centralization: This Cement will take the path of least resistance, therefore proper centralization is important to help prevent the casing from contacting the borehole wall. A minimum standoff of 70% should be targeted for optimum displacement efficiency.
8. Rat hole: A weighted viscous pill placed in the rat hole prior to cementing will minimize the risk of higher density cement mixing with lower density mud when the well is static.
9. Top and Bottom plugs: A top and bottom plug are recommended to be run on all primary casing jobs. The bottom plug should be run after the spacer and ahead of the first cement slurry.
10. Spacers and flushes: Spacers and/or flushes should be used to prevent contamination between the cement slurry and the drilling fluid. They are also used to clean the wellbore and aid with bonding. To determine the volume, either a minimum of 10 minutes contact time or 1000 ft. of annular fill, whichever is greater, is recommended.

Job Information

13.375" Casing

Well Name: Ute Tribal

Well #: 11-30-14-20

20" Conductor	0 - 80 ft (MD)
Outer Diameter	20.000 in
Inner Diameter	19.124 in
Linear Weight	94 lbm/ft
Casing Grade	H-40

17.5" Open Hole	80 - 500 ft (MD)
Inner Diameter	17.500 in
Job Excess	100 %

13.375" Surface Casing	0 - 500 ft (MD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40

Calculations**13.375" Casing**

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 80.00 \text{ ft} * 1.019 \text{ ft}^3/\text{ft} * 0 \% &= 81.52 \text{ ft}^3 \\ 420.00 \text{ ft} * 0.6946 \text{ ft}^3/\text{ft} * 100 \% &= 583.50 \text{ ft}^3 \\ \text{Total Lead Cement} &= 665.02 \text{ ft}^3 \\ &= 118.44 \text{ bbl} \\ \text{Sacks of Cement} &= 389 \text{ sks} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 35.27 \text{ ft}^3 \\ &= 6.28 \text{ bbl} \\ \text{Tail plus shoe joint} &= 700.29 \text{ ft}^3 \\ &= 124.73 \text{ bbl} \end{aligned}$$

Total Pipe Capacity:

$$= 78.53 \text{ bbl}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 78.53 \text{ bbl} - 6.28 \text{ bbl} \\ &= 72.24 \text{ bbl} \end{aligned}$$

Job Recommendation**13.375" Casing**

Fluid Instructions

Fluid 1: Water Spacer

Gel Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Lead Cement

Rockies LT

0.25 lbm/sk Kwik Seal (Lost Circulation Additive)

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.80 ft³/sk

Total Mixing Fluid: 9.33 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 124.73 bbl

Calculated Sacks: 389.05 sks

Proposed Sacks: 390 sks

Fluid 3: Water Spacer

Water Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 72.24 bbl

Fluid 4: Top Out Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-non-api)

2 % Calcium Chloride (Accelerator)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.41 ft³/sk

Total Mixing Fluid: 6.86 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water	8.3		20 bbl
2	Cement	Primary Cement	13.5		390 sks
3	Spacer	Water Displacement	8.3		72.24 bbl
4	Cement	Top Out Cement	14.5		200 sks

Job Information

9.625" Casing

Well Name: Ute Tribal

Well #: 11-30-14-20

13.375" Surface Casing	0 - 500 ft (MD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40

12.25" Open Hole	500 - 4200 ft (MD)
Inner Diameter	12.250 in
Job Excess	75 %

9.625" Intermediate Casing	0 - 4200 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Casing Grade	J-55

BHCT	100 degF
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Calculations**9.625" Casing**

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 2.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 0.75 \text{ ft}^3 \\ \text{Total Spacer} &= 224.58 \text{ ft}^3 \\ &= 40.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 298.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 112.20 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Cement : (3400.00 ft fill)

$$\begin{aligned} 200.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 75.30 \text{ ft}^3 \\ 3200.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 75 \% &= 1753.85 \text{ ft}^3 \\ \text{Total Lead Cement} &= 1829.15 \text{ ft}^3 \\ &= 325.78 \text{ bbl} \\ \text{Sacks of Cement} &= 480 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 75 \% &= 274.04 \text{ ft}^3 \\ \text{Total Tail Cement} &= 274.04 \text{ ft}^3 \\ &= 48.81 \text{ bbl} \\ \text{Sacks of Cement} &= 253 \text{ sks} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 17.36 \text{ ft}^3 \\ &= 3.09 \text{ bbl} \\ \text{Tail plus shoe joint} &= 291.40 \text{ ft}^3 \\ &= 51.90 \text{ bbl} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 4200.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 1823.07 \text{ ft}^3 \\ &= 324.70 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 324.70 \text{ bbl} - 3.09 \text{ bbl} \\ &= 321.61 \text{ bbl} \end{aligned}$$

Job Recommendation**9.625" Casing**

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Reactive Spacer

SUPER FLUSH 101

Fluid Density: 10 lbm/gal

Fluid Volume: 40 bbl

Fluid 3: Water Spacer

Fresh Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 4: Lead Cement

ECONOCEM™ V3 SYSTEM

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 11 lbm/gal

Slurry Yield: 3.81 ft³/sk

Total Mixing Fluid: 23.01 Gal/sk

Top of Fluid: 300 ft

Calculated Fill: 3400 ft

Volume: 325.78 bbl

Calculated Sacks: 479.59 sks

Proposed Sacks: 480 sks

Fluid 5: Tail Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

0.3 % Halad(R)-344 (Low Fluid Loss Control)

0.25 % CFR-3 (Dispersant)

0.35 % HR-5 (Retarder)

0.2 % Super CBL (Gas Migration Control)

Fluid Weight 15.80 lbm/gal

Slurry Yield: 1.15 ft³/sk

Total Mixing Fluid: 4.94 Gal/sk

Top of Fluid: 3700 ft

Calculated Fill: 500 ft

Volume: 51.90 bbl

Calculated Sacks: 252.95 sks

Proposed Sacks: 255 sks

Fluid 6: Mud

Mud Displacement

Fluid Density: 10 lbm/gal

Fluid Volume 321.61 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water	8.3		20 bbl
2	Spacer	SUPER FLUSH 101	10.0		40 bbl
3	Spacer	Fresh Water	8.3		20 bbl
4	Cement	EconoCem™ V3	11.0		480 sks
5	Cement	Premium Cement	15.8		255 sks
6	Mud	Mud Displacement	10.0		321.61 bbl

Job Information

7" Casing

Well Name: Ute Tribal

Well #: 11-30-14-20

9.625" Intermediate Casing

0 - 4200 ft (MD)

Outer Diameter

9.625 in

Inner Diameter

8.921 in

Linear Weight

36 lbm/ft

Casing Grade

J-55

8.75" Open Hole

4200 - 11300 ft (MD)

Inner Diameter

8.750 in

Job Excess

40 %

7" Production Casing

0 - 11300 ft (MD)

Outer Diameter

7.000 in

Inner Diameter

6.184 in

Linear Weight

29 lbm/ft

Casing Grade

L-80

Mud Weight

9 lbm/gal

BHCT

180 degF

Calculations**7" Casing**

Spacer:

$$\begin{aligned} 337.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 56.22 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 673.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 112.26 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 337.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 56.22 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (6150.00 ft fill)

$$\begin{aligned} 200.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 33.36 \text{ ft}^3 \\ 5950.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 40 \% &= 1252.25 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1285.61 \text{ ft}^3 \\ &= 228.98 \text{ bbl} \\ \text{Sacks of Cement} &= 641 \text{ sks} \end{aligned}$$

Cement : (1150.00 ft fill)

$$\begin{aligned} 1150.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 40 \% &= 242.03 \text{ ft}^3 \\ \text{Total Tail Cement} &= 242.03 \text{ ft}^3 \\ &= 43.11 \text{ bbl} \\ \text{Sacks of Cement} &= 170 \text{ sks} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.2086 \text{ ft}^3/\text{ft} &= 8.34 \text{ ft}^3 \\ &= 1.49 \text{ bbl} \\ \text{Tail plus shoe joint} &= 250.37 \text{ ft}^3 \\ &= 44.59 \text{ bbl} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 11300.00 \text{ ft} * 0.2086 \text{ ft}^3/\text{ft} &= 2356.92 \text{ ft}^3 \\ &= 419.78 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 419.78 \text{ bbl} - 1.49 \text{ bbl} \\ &= 418.30 \text{ bbl} \end{aligned}$$

Job Recommendation**7" Casing**

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

SUPER FLUSH

Fluid Density: 10 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Fresh Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

ELASTISEAL™ SYSTEM

1.5 % FDP-C760-04 (Foamer)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.41 Gal/sk

Top of Fluid: 4000 ft

Calculated Fill:

Volume: 228.98 bbl

Calculated Sacks: 641.33 sks

Proposed Sacks: 645 sks

Fluid 5: Tail Cement

ELASTICEM™ SYSTEM

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.40 Gal/sk

Top of Fluid: 10150 ft

Calculated Fill:

Volume: 44.59 bbl

Calculated Sacks: 170.44 sks

Proposed Sacks: 175 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 418.30 bbl

Fluid 7: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

12 % Cal-Seal 60 (Accelerator)

3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal

Slurry Yield: 1.55 ft³/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water	8.3		10 bbl
2	Spacer	SUPER FLUSH	10.0		20 bbl
3	Spacer	Fresh Water	8.3		10 bbl
4	Cement	ELASTISEAL™ SYSTEM	14.3		645 sks
5	Cement	ELASTISEAL™ SYSTEM	14.3		175 sks
6	Spacer	Displacement	8.3		418.30 bbl
7	Cement	Cap Cement	14.6		200 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	ELASTISEAL™ SYSTEM	167.91bb 1	11.0	11.0	214.6	571.9

Foam Design Specifications:

Foam Calculation Method: Constant Density
 Backpressure: 75 psig
 Bottom Hole Circulating Temp: 180 degF
 Mud Outlet Temperature: 120 degF

Calculated Gas = 67073.7 scf
 Additional Gas = 40000 scf
 Total Gas = 107073.7 scf

Conditions

NOTE

The cost in this analysis is good for the materials and/or services outlined within and shall be valid for 30 days from the date of this proposal. In order to meet your needs under this proposal with a high quality of service and responsive timing, Halliburton will be allocating limited resources and committing valuable equipment and materials to your area of operations. Accordingly, the discounts reflected in this proposal are available only for materials and services awarded on a first-call basis. Alternate pricing may apply in the event that Halliburton is awarded work on any basis other than as a first-call provider.

The unit prices stated in the proposal are based on our current published prices. The projected equipment, personnel, and material needs are only estimates based on information about the work presently available to us. At the time the work is actually performed, conditions then existing may require an increase or decrease in the equipment, personnel, and/or material needs. Charges will be based upon unit prices in effect at the time the work is performed and the amount of equipment, personnel, and/or material actually utilized in the work. Taxes, if any, are not included. Applicable taxes, if any, will be added to the actual invoice.

It is understood and agreed between the parties that with the exception of the subject discounts, all services performed and equipment and materials sold are provided subject to Halliburton's General Terms and Conditions contained in our current price list, (which include LIMITATION OF LIABILITY and WARRANTY provisions), and pursuant to the applicable Halliburton Work Order Contract (whether or not executed by you), unless a Master Service and/or Sales Contract applicable to the services, equipment, or materials supplied exists between your company and Halliburton, in which case the negotiated Master Contract shall govern the relationship between the parties. A copy of the latest version of our General Terms and Conditions is available from your Halliburton representative or at:

http://www.halliburton.com/hes/general_terms_conditions.pdf for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.

Any terms and conditions contained in purchase orders or other documents issued by the customer shall be of no effect except to confirm the type and quantity of services, equipment, and materials to be supplied to the customer.

If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice.

Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

RECOMMENDED BY			WHITING PETROLEUM CORP. 1700 BROADWAY Suite 2300 Denver, CO 80290 303-837-1661
Central Rockies			
REVISIONS:			
1 _____	DATE: _____		
2 _____	DATE: _____		

WELL INFORMATION			
API:	43-047-39740-00	AFE:	
WELL NAME:	UTE TRIBAL 11-30-14-20	ACQUISITION:	CEA
PROSPECT:	FLAT ROCK	RESERVE CATEGORY:	
SURFACE LOCATION:	NESW 30 14S 20E	SURFACE LONG, LAT:	
SURFACE FOOTAGE:		BOTTOM HOLE LONG, LAT:	
BOTTOM HOLE LOCATION:	NESW 30 14S 20E	SURVEYED ELEVATION (GR):	7,225
BOTTOM HOLE FOOTAGE:	2309 FSL 1565 FWL	HEIGHT TO KB:	28
COUNTY:	Uintah	ACTUAL ELEV. (KB):	7,253
STATE:	UT	TVD (if horizontal well):	ft.
LOCATION MAY BE MOVED:		TMD (if horizontal well):	ft.
PROPOSED TOTAL DEPTH (TVD):	11,703	FORMATION AT TD:	Kayenta

FORMATION	TOP - TVD	TOP - TVDSS	INTVL	CORE	LITHOLOGY	GEOLOGIC HAZARDS
Green River Fm @ Surface	28	7,225	2,075		Oil Shale	oil and/or gas anticipated
Wasatch Fm	2,103	5,150	1,801		SS-SH	oil and/or gas anticipated
Mesaverde	3,904	3,349	2,285		SS-SH	oil and/or gas anticipated
Castlegate SS	6,189	1,064	250		Sandstone	gas
Mancos	6,439	814	292		SS-SH	gas
Mancos B	6,731	522	3,532		Sandstone	gas
Dakota Silt	10,263	(3,010)	98		Sandstone	gas
Dakota	10,361	(3,108)	100		Sandstone	gas
Cedar Mtn Fm	10,461	(3,208)	115		Sandstone	gas
Buckhorn Congl	10,576	(3,323)	65		SS-SH	gas
Morrison Fm	10,641	(3,388)	570		SS-SH	
Curtis Fm	11,211	(3,958)	80		SS-SH	
Entrada SS	11,291	(4,038)	312		Sandstone	gas
Carmel	11,603	(4,350)	51		LS-SH	
Kayenta	11,654	(4,401)	94		Sandstone	gas
Wingate	11,748	(4,495)	(45)		Sandstone	gas
TD	11,703	(4,450)				

WIRELINE LOGS	CORING & CUTTINGS
LOGGING COMPANY:	CORING TOOL CO: _____
TRIPLE COMBO YES	CORE ANALYSIS CO: _____
FROM: TD to surf	
	30' SAMPLES: Surf TO: TD
	10' SAMPLES: TO: _____
	SHIP CUTTINGS TO: _____ Larry Rasmussen
	Whiting Petroleum Corp.
	1700 Broadway, Ste 2300
	Denver, CO 80290

WELLSITE GEOLOGIST	MUD LOGGER
NAME: _____	NAME: _____
PHONE: _____	PHONE: _____
STARTING DEPTH: _____	STARTING DEPTH: Surface

NOTIFICATIONS	OFFICE	MOBILE	HOME
1st Larry Rasmussen - Geologist	303-390-4093	720-272-5978	303-561-0788
2nd John Forster - Regional Geol Manager	303-390-4117	303-324-7690	303-850-0346
3rd Dana Greathouse - Regional Drilling Mgr	303-390-4247	303-808-3687	303-730-1204
4th Tom Smith - Sr. Operations Engineer	303-390-4124	720-283-3272	

SPECIAL INSTRUCTIONS: Anticipate continuous gas from Wasatch through the Entrada, possibly Wingate.
 Expect underpressured reservoirs, 0.35 psi/ft, Bottom Hole Temperature of ~230F

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date: 8/1/2015

FORMER OPERATOR:	NEW OPERATOR:
WHITING OIL & GAS CORPORATION N2680 1700 BROADWAY SUITE 2300 DENVER CO 80290	COBRA OIL & GAS CORPORATION N4270 PO BOX 8206 WICHITA FALLS TX 76307-8206
CA Number(s):	Unit Name: None

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 8/4/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 8/4/2015
3. New operator Division of Corporations Business Number: 9442951-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 10/5/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 10/2/2015
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: Chimney Rock Compressor
Flat Rock Compressor
7. Inspections of PA state/fee well sites complete on (only upon operators request): 10/15/2015

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: B009425
2. Indian well(s) covered by Bond Number: B009425
3. State/fee well(s) covered by Bond Number(s): B009455
B009568-FCB
B009567-FCB
B009566-FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 10/14/2015
2. Entity Number(s) updated in **OGIS** on: 10/14/2015
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 10/14/2015
6. Surface Facilities update in **RBDMS** on: 10/14/2015

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

From: Whiting Oil Gas Corporation

To: Cobra Oil Gas Corporation

Effective: 8/1/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
UTE TRIBAL 32-5A	32	140S	200E	4304710577	12655	State	Indian	GW	P
UTE TRIBAL 30-3A	30	140S	200E	4304710913	12395	Federal	Indian	OW	P
UTE TRIBAL 29-1A	29	140S	200E	4304730981	8118	Federal	Indian	GW	P
UTE TRIBAL 32-2A	32	140S	200E	4304733333	12658	State	Indian	GW	P
UTE TRIBAL 32-6A	32	140S	200E	4304733337	12662	State	Indian	GW	P
CHIMNEY ROCK 32-13	32	130S	210E	4304733447	12985	State	State	GW	P
CHIMNEY ROCK 32-14	32	130S	210E	4304733448	12983	State	State	GW	P
UTE TRIBAL 32-8A	32	140S	200E	4304733557	13066	State	Indian	GW	P
UTE TRIBAL 32-12A	32	140S	200E	4304733558	13064	State	Indian	GW	P
UTE TRIBAL 30-6A	30	140S	200E	4304733596	13062	Federal	Indian	GW	P
UTE TRIBAL 29-5A	29	140S	200E	4304733617	13061	Federal	Indian	GW	P
UTE TRIBAL 32-7A	32	140S	200E	4304733618	13065	State	Indian	GW	P
UTE TRIBAL 32-9A	32	140S	200E	4304733619	13067	State	Indian	GW	P
UTE TRIBAL 32-10A	32	140S	200E	4304733620	13054	State	Indian	GW	P
UTE TRIBAL 32-16A	32	140S	200E	4304734098	13449	State	Indian	GW	P
UTE TRIBAL 29-6A	29	140S	200E	4304734102	13443	Federal	Indian	GW	P
UTE TRIBAL 29-7A	29	140S	200E	4304734103	13444	Federal	Indian	GW	P
UTE TRIBAL 10-2-15-20	2	150S	200E	4304735625	14167	State	Indian	GW	P
FLAT ROCK 13-29-14-20	29	140S	200E	4304736778	15065	Federal	Indian	GW	P
FLAT ROCK 3-29-14-20	29	140S	200E	4304736795	15099	Federal	Indian	GW	P
UTE TRIBAL 6-16-14-20	16	140S	200E	4304738506	16320	State	Indian	GW	P
UTE TRIBAL 15-25-14-19	30	140S	200E	4304739052	16169	Indian	Indian	GW	P
UTE TRIBAL 1-30-14-20	30	140S	200E	4304739665	16997	Federal	Indian	GW	P
UTE TRIBAL 3-30-14-20	30	140S	200E	4304739739	17526	Federal	Indian	GW	P
UTE TRIBAL 11-30-14-20	30	140S	200E	4304739740	17358	Federal	Indian	GW	P
UTE TRIBAL 5-32-14-20	32	140S	200E	4304739741	17406	State	Indian	GW	P
UTE TRIBAL 15-30-14-20	30	140S	200E	4304739942	17237	Federal	Indian	GW	P
UTE TRIBAL 1-25-14-19	30	140S	200E	4304750654	17454	Indian	Indian	GW	P
UTE TRIBAL 13-25-14-19	26	140S	190E	4304750689	17808	Indian	Indian	GW	P
UTE TRIBAL 5-25-14-19	26	140S	190E	4304750690	17760	Indian	Indian	GW	P
UTE TRIBAL 3-25-14-19	30	140S	200E	4304751030	17759	Indian	Indian	GW	P
CHIMNEY ROCK 32-11	32	130S	210E	4304733445	12984	State	State	GW	PA
UTE TRIBAL 32-11A	32	140S	200E	4304733621	13058	State	Indian	GW	PA
FLAT ROCK 13-32-14-20	32	140S	200E	4304736992	17354	State	Indian	D	PA
FLAT ROCK 14-32-14-20	32	140S	200E	4304736993	17355	State	Indian	D	PA
FLAT ROCK 15-32-14-20	32	140S	200E	4304736994	17356	State	Indian	D	PA
UTE TRIBAL 8-25-14-19	30	140S	200E	4304739053	17353	Indian	Indian	D	PA
UTE TRIBAL 30-5A	30	140S	200E	4304720502	12654	Federal	Indian	GW	S
UTE TRIBAL 30-2A	30	140S	200E	4304730641	8112	Federal	Indian	GW	S
UTE TRIBAL 32-1A	32	140S	200E	4304732758	12064	State	Indian	OW	S
UTE TRIBAL 29-2A	29	140S	200E	4304732945	8118	Federal	Indian	OW	S
UTE TRIBAL 32-3A	32	140S	200E	4304733334	12657	State	Indian	GW	S
UTE TRIBAL 32-4A	32	140S	200E	4304733335	12656	State	Indian	GW	S
UTE TRIBAL 28-1A	28	140S	200E	4304733595	13059	Federal	Indian	GW	S
UTE TRIBAL 29-4A	29	140S	200E	4304733616	13060	Federal	Indian	GW	S

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
See attached exhibit

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
See attached exhibit

7. UNIT or CA AGREEMENT NAME:
See attached exhibit

8. WELL NAME and NUMBER:
See attached exhibit

9. API NUMBER:
See attach

10. FIELD AND POOL, OR WILDCAT:
See attached exhibit

1. TYPE OF WELL OIL WELL GAS WELL OTHER See attached exhibit

2. NAME OF OPERATOR:
COBRA OIL & GAS CORPORATION N4270

3. ADDRESS OF OPERATOR: PO Box 8206 Wichita Falls TX 76307-8206 PHONE NUMBER: (940) 716-5100

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See attached exhibit COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>8/1/2015</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

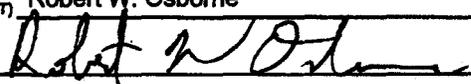
Effective August 1, 2015, Whiting Oil & Gas Corporation resigned as Operator of the wells listed on the attached Exhibit, and Cobra Oil & Gas Corporation has been designated as successor Operator.

Cobra Oil & Gas Corporation
PO Box 8206
Wichita Falls, TX 76307-8206
Phone: (940) 716-5100

Whiting Oil & Gas Corporation N2680
1700 Broadway, Suite 2300
Denver, CO 80290
Phone: (303) 837-1661


Rick Ross, Senior Vice President - Operations

Bonds through U.S. Specialty Insurance Company
Utah State Bond: B009455
BLM Nationwide Bond: B009425

NAME (PLEASE PRINT) Robert W. Osborne TITLE Vice President
SIGNATURE  DATE 7/14/15

(This space for State use only)

APPROVED

(5/2000)

(See Instructions on Reverse Side)

OCT 14 2015

DIV. OIL GAS & MINING
BY: Rachel Medina

Well Exhibit for Utah DOGM

LEASE/UNIT	Lease #	Tribe Name	API #	FIELD	COUNTY	STATE	RESERVOIR	LOCATION: SEC - TWP - RNG
CHIMNEY ROCK 32-11	ML-47437		4304733445	SEEP RIDGE B	UINTAH	UT	DAKOTA	32-T13S-R21E
CHIMNEY ROCK 32-13	ML-47437		4304733447	SEEP RIDGE B	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T13S-R21E
CHIMNEY ROCK 32-14	ML-47437		4304733448	SEEP RIDGE B	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T13S-R21E
FLAT ROCK 13-29-14-20	UTU10166		4304736778	FLAT ROCK	UINTAH	UT	ENTRADA	29-T14S-R20E
FLAT ROCK 13-32-14-20	ML-44317		4304736992	FLAT ROCK	UINTAH	UT	WINGT	32-T14S-R20E
FLAT ROCK 14-32-14-20	ML-44317		4304736993	FLAT ROCK	UINTAH	UT	MESA VERDE	32-T14S-R20E
FLAT ROCK 15-32-14-20	ML-44317		4304736994	FLAT ROCK	UINTAH	UT	MESA VERDE	32-T14S-R20E
FLAT ROCK 30-3A	UTU019837		4304730729	FLAT ROCK	UINTAH	UT	N/A	30-T14S-R20E
FLAT ROCK 3-29-14-20	UTU10166		4304736795	FLAT ROCK	UINTAH	UT	ENTRADA	29-T14S-R20E
UTE TRIBAL 10-2-15-20	ML-46842		4304735625	FLAT ROCK	UINTAH	UT	WASATCH	2-T15S-R20E
UTE TRIBAL 11-30-14-20	UTU019837		4304739740	FLAT ROCK	UINTAH	UT	DAKOTA-BUCKHORN	30-T14S-R20E
UTE TRIBAL 1-25-14-19	1420H625581	Ute Tribe	4304750654	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 1-30-14-20	UTU019837		4304739665	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 13-25-14-19	1420H625581	Ute Tribe	4304750689	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 15-25-14-19	1420H625581	Ute Tribe	4304739052	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 15-30-14-20	UTU019837		4304739942	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 28-1A	UTU10166		4304733595	FLAT ROCK	UINTAH	UT	DAKOTA	28-T14S-R20E
UTE TRIBAL 29-1A	UTU10166		4304730981	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-2A	UTU10166		4304732945	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-3A	UTU10166		4304732946	FLAT ROCK	UINTAH	UT	WASATCH	29-T14S-R20E
UTE TRIBAL 29-4A	UTU10166		4304733616	FLAT ROCK	UINTAH	UT	DAKOTA	29-T14S-R20E
UTE TRIBAL 29-5A	UTU10166		4304733617	FLAT ROCK	UINTAH	UT	CEDAR MOUNTAIN	29-T14S-R20E
UTE TRIBAL 29-6A	UTU10166		4304734102	FLAT ROCK	UINTAH	UT	CURTIS-ENTRADA	29-T14S-R20E
UTE TRIBAL 29-7A	UTU10166		4304734103	FLAT ROCK	UINTAH	UT	CURTIS-ENTRADA	29-T14S-R20E
UTE TRIBAL 30-1	UTU019837		4304715764	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-2A	UTU019837		4304730641	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-3A	UTU019837		4304710913	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-4A	UTU019837		4304716520	FLAT ROCK	UINTAH	UT	TW	30-T14S-R20E
UTE TRIBAL 30-5A	UTU019837		4304720502	FLAT ROCK	UINTAH	UT	WASATCH	30-T14S-R20E
UTE TRIBAL 30-6A	UTU019837		4304733596	FLAT ROCK	UINTAH	UT	DAKOTA	30-T14S-R20E
UTE TRIBAL 32-10A	ML-44317		4304753620	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-11A	ML-44317		4304733621	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-12A	ML-44317		4304733558	FLAT ROCK	UINTAH	UT	CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 32-16A	ML-44317		4304734098	FLAT ROCK	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 32-1A	ML-44317		4304732758	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-2A	ML-44317		4304733333	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-3A	ML-44317		4304733334	FLAT ROCK	UINTAH	UT	WASATCH-MESAVERDE	32-T14S-R20E
UTE TRIBAL 32-4A	ML-44317		4304733335	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 3-25-14-19	1420H625581	Ute Tribe	4304751030	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E

Well Exhibit for Utah DOGM

LEASE/UNIT	Lease #	Tribe Name	API #	FIELD	COUNTY	STATE	RESERVOIR	LOCATION: SEC - TWP - RNG
UTE TRIBAL 32-5A	ML-44317		4304710577	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-6A	ML-44317		4304733337	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-7A	ML-44317		4304733618	FLAT ROCK	UINTAH	UT	WASATCH	32-T14S-R20E
UTE TRIBAL 32-8A	ML-44317		4304733557	FLAT ROCK	UINTAH	UT	DAKOTA	32-T14S-R20E
UTE TRIBAL 32-9A	ML-44317		4304733619	FLAT ROCK	UINTAH	UT	DAKOTA-CEDAR MOUNTAIN	32-T14S-R20E
UTE TRIBAL 3-30-14-20	UTU019837		4304739739	FLAT ROCK	UINTAH	UT	ENTRADA	30-T14S-R20E
UTE TRIBAL 5-25-14-19	1420H625581	Ute Tribe	4304750690	FLAT ROCK	UINTAH	UT	ENTRADA	26-T14S-R19E
UTE TRIBAL 5-32-14-20	ML-44317		4304739741	FLAT ROCK	UINTAH	UT	DAKOTA ENTRADA	32-T14S-R20E
UTE TRIBAL 6-16-14-20	ML-47502		4304738506	FLAT ROCK	UINTAH	UT	ENTRADA	16-T14S-R20E
UTE TRIBAL 8-25-14-19	1420H625581	Ute Tribe	4304739053	FLAT ROCK	UINTAH	UT	N/A	30-T14S-R20E



RECEIVED

AUG 04 2015

DIV. OF OIL, GAS & MINING

July 16, 2015

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

Re: Change of Operator

Whiting Oil and Gas Corporation respectfully submits change of operator
sundries for Flat Rock field in Uintah County, UT.

The new operator is
Cobra Oil and Gas Corporation
PO Box 8206
Witchita Falls, TX 76307-8206
Phone: (940) 716-5100

Regulatory Admin for Cobra:
Barbara Pappas
940-716-5103
Barbara@cobraogc.com

Please contact Barbara Pappas or myself if you should have questions or need
additional information.

Best Regards,

Cara Mezydlo,
Engineering Technician III – Central Rockies Asset Group
(303) 876-7091
Cara.mezydlo@whiting.com

*Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation*



RECEIVED
AUG 04 2015
DIV. OF OIL, GAS & MINING

July 16, 2015

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

Re: Change of Operator

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and its wholly owned subsidiary
Whiting Oil and Gas Corporation*



Rachel Medina <rachelmedina@utah.gov>

Plugged Wells

8 messages

Rachel Medina <rachelmedina@utah.gov>
 To: Barbara Pappas <barbara@cobraogc.com>

Thu, Aug 6, 2015 at 11:05 AM

Hi Barbara,

The following Whiting wells are listed on the request for the Cobra operator change, but are currently plugged. Our Division does not usually move plugged well unless the new operator has plans to reenter the wells. Will this be the case for Cobra?

CHIMNEY ROCK 32-11	32	130S	210E	4304733445
UTE TRIBAL 32-11A	32	140S	200E	4304733621
FLAT ROCK 13-32-14-20	32	140S	200E	4304736992
FLAT ROCK 14-32-14-20	32	140S	200E	4304736993
FLAT ROCK 15-32-14-20	32	140S	200E	4304736994
UTE TRIBAL 8-25-14-19	30	140S	200E	4304739053

Also, the following wells were listed on the exhibit but are not currently operated by Whiting. They will not move in the operator change.

Flat Rock 30-3A 4304730729
 Ute Tribal 30-1 4304715764
 Ute Tribal 30-4A 4304716520

Thanks!

—
 Rachel Medina
 Division of Oil, Gas & Mining
 Bonding Technician
 801-538-5260

Rachel Medina <rachelmedina@utah.gov>
 To: Barbara Pappas <barbara@cobraogc.com>

Thu, Aug 6, 2015 at 2:36 PM

Hi Barbara,

Cobra is also taking over 3 State/Fee wells that have been shut in for over a year. Because of this our Petroleum Engineer is requesting a shut in plan and full cost bonding. For the shut in plan you will need to submit an outline and time frame of the plans for each well. To determine full cost bonding you will need to submit a plugging estimate, our engineer will evaluate the cost and set the bond for each well at the estimate or depth bonding (as outline in the rules), whichever is greater.

Please let me know if you have any questions.

Thanks!

[Quoted text hidden]

Barbara Pappas <barbara@cobraogc.com>
 To: Rachel Medina <rachelmedina@utah.gov>

Thu, Aug 6, 2015 at 3:10 PM

Rachel:

I have forwarded to my managers and hopefully will have an answer for you soon.

Thanks,

Barbara

From: Rachel Medina [mailto:rachelmedina@utah.gov]
Sent: Thursday, August 06, 2015 3:37 PM
To: Barbara Pappas <barbara@cobraogc.com>
Subject: Re: Plugged Wells

[Quoted text hidden]

Rachel Medina <rachelmedina@utah.gov>
To: Barbara Pappas <barbara@cobraogc.com>

Fri, Aug 14, 2015 at 8:58 AM

Hi Barbara,

The Division received confirmation that the plugged wells need to be moved to Cobra. At this point we are waiting for shut in plans and plugging estimates on the following wells.

UTE TRIBAL 32-1A
UTE TRIBAL 32-3A
UTE TRIBAL 32-4A

Thanks!

[Quoted text hidden]

Charlie Gibson <charlie@cobraogc.com>
To: "rachelmedina@utah.gov" <rachelmedina@utah.gov>
Cc: Rory Edwards <rory@cobraogc.com>, Bobby Hess <bhess@cobraogc.com>, Kyle Gardner <kgardner@cobraogc.com>, Barbara Pappas <barbara@cobraogc.com>

Wed, Aug 19, 2015 at 8:40 AM

Rachel,

We have studied the wells listed below and our estimate to plug the wells is \$20,000/well. We also believe that the wells still have economic potential and plan on working on the wells by 10-1-2015 to attempt to re-establish production. Let me know if you have any questions.

Charlie Gibson

Operations Manager

Cobra Oil & Gas

(940)716-5100 (o)

(940)781-6260 (c)

From: Rachel Medina [mailto:rachelmedina@utah.gov]
Sent: Friday, August 14, 2015 9:59 AM
To: Barbara Pappas <barbara@cobraogc.com>
Subject: Re: Plugged Wells

Hi Barbara,

[Quoted text hidden]

[Quoted text hidden]

Rachel Medina <rachelmedina@utah.gov>
To: Dustin Doucet <dustindoucet@utah.gov>

Wed, Aug 19, 2015 at 4:46 PM

What are your thoughts on the full cost bonding and the shut in plan?
[Quoted text hidden]

Dustin Doucet <dustindoucet@utah.gov>
To: Rachel Medina <rachelmedina@utah.gov>

Wed, Aug 19, 2015 at 6:16 PM

Without more supporting evidence of their P&A cost estimate, I don't feel comfortable with the estimate provided. It appears several plugs may need to be drilled out to properly isolate formations with open perfs with cement as required by rule. I doubt this was taken into consideration in their estimates. Since they are proposing to work the wells over by October 1, 2015, I would be willing to accept the \$30,000 depth bond per well to get these transferred and let them get the work done with the caveat that we will require more information on P&A costs and would require full cost bonds if found to be more than \$30K per well if the work is not done by October 1, 2015.

[Quoted text hidden]

—
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

Rachel Medina <rachelmedina@utah.gov>
To: Charlie Gibson <charlie@cobraogc.com>
Cc: Rory Edwards <rory@cobraogc.com>, Bobby Hess <bhess@cobraogc.com>, Kyle Gardner <kgardner@cobraogc.com>, Barbara Pappas <barbara@cobraogc.com>

Thu, Aug 20, 2015 at 9:09 AM

Hi Charlie,

The following is our Petroleum Engineer's review;

-Ute Tribal 32-1A, Ute Tribal 32-3A and Ute Tribal 32-4A are each required to have a \$30,000.00 individual bond.
-Cobra's plan to put the wells on production by October 1, 2015 is accepted, however a condition has been placed that if the wells are not producing by October 1st the Division **will require** a new P&A estimate be

submitted and reviewed for full cost bonding.

Please submit bonding for each well, if Cobra needs the new bonding forms again please let me know. As soon as the bond is received we can begin to process the operator change.

Thanks!

[Quoted text hidden]



Rachel Medina <rachelmedina@utah.gov>

Utah Change of Operator from Whiting to Cobra

1 message

Charlie Gibson <charlie@cobraogc.com>

Thu, Aug 13, 2015 at 2:17 PM

To: "rachelmedina@utah.gov" <rachelmedina@utah.gov>

Cc: Jeff Dillard <jeff@cobraogc.com>, Bob Osborne <bob@cobraogc.com>, Stephen Howard <Showard@basinoilandgas.com>, Caven Crosnoe <ccrosnoe@scglaw.com>, Rory Edwards <rory@cobraogc.com>, Phil Rugeley <phil@cobraogc.com>, Rick Haskin <rick@cobraogc.com>, Barbara Pappas <barbara@cobraogc.com>

Dear Rachel,

We have been informed by Whiting Oil and Gas Corporation that you have requested an email from Cobra Oil & Gas Corporation acknowledging that we have agreed to assume all plugging, abandoning and reclamation obligations for the wells described below. In accordance with the terms and conditions of the Purchase and Sale Agreement (Agreement) between Whiting Oil and Gas Corporation (Seller) and Cobra Oil & Gas Corporation, et al (Buyer), please be advised the Buyer assumed the obligation to plug and abandon all wells located on the Lands and reclaim all well sites located on the Lands regardless of when the obligations arose. Accordingly Cobra Oil and Gas Corporation, as Operator, assumes those obligations and liabilities associated with the wells described below:

CHIMNEY ROCK 32-11 32130S 210E4304733445

UTE TRIBAL 32-11A 32140S 200E4304733621

FLAT ROCK 13-32-14-20 32140S 200E4304736992

FLAT ROCK 14-32-14-20 32140S 200E4304736993

FLAT ROCK 15- 32140S 200E4304736994
32-14-20

UTE TRIBAL 8- 30140S 200E4304739053
25-14-19

Flat Rock 30-3A 4304730729

Ute Tribal 30-1 4304715764

Ute Tribal 30-4A 4304716520

Sincerely,

Charlie Gibson

Operations Manager

Cobra Oil & Gas

(940)716-5100 (o)

(940)781-6260 (c)