

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

FORM APPROVED  
OMB NO. 1040-0136  
Expires: February 28, 1995

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. WOLF FLAT EDA#14-20-H-62-5521
TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBAL
2. NAME OF OPERATOR QEP Uinta Basin, Inc.		7. UNIT AGREEMENT NAME
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		8. FARM OR LEASE NAME, WELL NO. WF 1P-1-15-19
3. ADDRESS 11002 E. 17500 S. Vernal, Ut 84078		9. API WELL NO. 43-047-36781
Telephone number Phone 435-781-4331 Fax 435-781-4329		10. FIELD AND POOL, OR WILDCAT <del>Hill Creek Field</del> Undesignated
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 878' FNL 213' FWL NWNW, LOT 4, SECTION 6, T15S, R20E At proposed production zone 560' FNL 560' FEL NENE, SECTION 1, T15S, R19E		11. SEC., T, R, M, OR BLK & SURVEY OR AREA NWNW, SECTION 6 T15S, R20E, S.L.B.M.
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 53 +/- miles Southwest of Ouray, Utah		12. COUNTY OR PARISH UINTAH
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 560' +/-		13. STATE UT
16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 3000' +/-		20. BLM/BIA Bond No. on file ESB000024
19. PROPOSED DEPTH 12,000' TVD 12,070' MD		23. Estimated duration 10 DAYS
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7292' GR		22. DATE WORK WILL START ASAP
24. Attachments		

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

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A surface Use Plan (if location is on National Forest System Lands, the SUPO shall 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 authorized officer.

SIGNED Jan Nelson Name (Printed) Jan Nelson 8-Jun-05  
 TITLE REGULATORY AFFAIRS ANALYST

(This space for Federal or State office use)

PERMIT NO. 43-047-36781 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify the applicant holds any 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:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III DATE 06-14-05

\*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes 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

RECEIVED  
JUN 10 2005

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

Surf 609250X  
4377968Y  
39.546322  
- 109.728552

BHL 609013X  
4378061Y  
39.547190  
- 109.731288



June 8, 2005

Ms. Diana Whitney  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Ut 84114-5801

Re: Directional Drilling R649-3-11  
WF 1P-1-15-19: SURFACE: 878' FNL 213' FWL, NWNW, LOT 4,  
SECTION 6, T15S, R20E  
BOTTOM HOLE: 560' FNL 560' FEL, NENE, SECTION  
1, T15S, R19E

Dear Ms. Whitney:

Pursuant to the filing of WF 1P-1-15-19 Application for Permit to Drill regarding the above referenced well on June 8, 2005, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the location and drilling of a directional well.

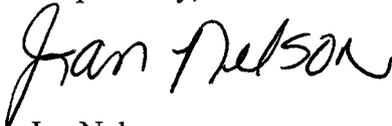
WF 1P-1-15-19 is located in T15S, R20E, Section 6 in Lot 4 of the NW/NW.

QEP Uinta Basin, Inc. 11002 East 17500 South, Vernal, Utah 84078, is permitting this well as a directional well due to topographic reasons. Locating the well at the surface location and directionally drilling from this location. Questar will be able to utilize the existing roads and pipelines in the area.

Furthermore, Wind River Resources Corporation and Bill Barrett Corporation has consented approval for this location involving the well site, lease owners, and offsetting owners as required.

There are no other lease owners within 460' of all points along the intended directional wellbore as shown on the attached plat. Therefore, based on the above stated information, QEP Uinta Basin, Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully,



Jan Nelson  
Regulatory Affairs Analyst

RECEIVED  
JUN 10 2005  
DIV. OF OIL, GAS & MINING

MAY 20 05 09:12a

URRC

8015955161

P. 2



### UTE INDIAN TRIBE

Energy and Minerals Department

P.O. Box 70

Fort Duchesne, Utah 84026

Phone: 435-725-1040

Fax: 435 722-9270

Email: energy\_minerals@utetribes.com

April 19, 2005

Wind River Resources Corporation  
 Route 3, Box 3010  
 Roosevelt, Utah 84066  
 Attn: Mark Echols

Faxed to 435-722-5089

Bill Barrett Corp.  
 1099 18<sup>th</sup> Street, Suite 2300  
 Denver, Colorado 80202  
 Attention: Tab McGinley

Faxed to 303-291-0420

**RE: Exception Location for Directional Drilling**  
**FR 1P-1-15-19 Well**  
**Surface Location: T15S-R20E Section 6: 790' FNL, 288' FWL**  
**Bottom Hole Location: T15S-R19E Section 1: 560' FNL, 560' FWL**  
**Uintah County, Utah**

Gentlemen:

This letter requests your written consent for an exception location involving the captioned directional well.

The surface location and points along certain upper portions of this directional well are within the 460 ft. radius adjoining leases where Wind River and Barrett are the owner/operators. However, the objective formations and prospective producing formations are within Section 1 at legal locations. As such, we respectfully request that you grant consent to locate this well at the proposed location by executing a copy of this letter and returning it to me by fax, later today if at all possible.

Questar and the Ute Indian Tribe recognize that the the proposed surface location is the only topographically accessible location in Section 6, which is under lease to Wind River Resources. They guarantee Wind River's right to locate a future well on an expanded FR 1P-1-15-19 location, as it was re-surveyed by Questar on May 12, 2005. It is agreed that the wellheads will be at least 175' apart.



08/02/2005...09:30 FAX 3032952468  
...R 11:45 AM

QUESTAR MARKET RESOURCES

004

Apr 19 05 11:45a

ute tribe end/st/rnd

FAX NO.

(435)722-9270

P. 02

P. 2



## UTE INDIAN TRIBE

Energy and Minerals Department

P.O. Box 70

Fort Duchesne, Utah 84026

Phone: 435-725-4040

Fax: 435-722-9270

Email: energy\_minerals@uteindian.com

April 19, 2005

Wind River Resources Corporation  
Route 3, Box 3010  
Roosevelt, Utah 84066  
Attn: Mark Echols

Faxed to 435-722-5089

Bill Barrett Corp.  
1099 18<sup>th</sup> Street, Suite 2300  
Denver, Colorado 80202  
Attention: Tab McGinley

Faxed to 303-291-0420

**RE: Exception Location for Directional Drilling  
FR 1P-1-15-19 Well**

**Surface Location: T15S-R20E Section 6: 790' ENL, 288' FWL**

**Bottom Hole Location: T15S-R19E Section 1: 560' ENL, 560' FEL**

**Utah County, Utah**

Gentlemen:

This letter requests your written consent for an exception location involving the captioned directional well.

The surface location and points along certain upper portions of this directional well are within the 460 ft. radius adjoining leases where Wind River and Barrett are the owner/operators. However, the objective formations and prospective producing formations are within Section 1 at legal locations. As such, we respectfully request that you grant consent to locate this well at the proposed location by executing a copy of this letter and returning it to me by fax, later today if at all possible.

06/02/2005 09:30 FAX 3032952468  
APR 21 2005 THU 10:40 AM

QUESTAR MARKET RESOURCES

005

Apr 19 05 11:45a

ute tribe end/st/rnd

FAX NO.

(435)722-9270

P. 03

P. 3

Wind River Resources Corporation  
Bill Barrett Corporation  
April 19, 2005  
Page 2

In the event that we don't hear from you by April 29, 2005, we will have to pursue this matter at a State Board Hearing. If you have any technical questions, please call me at 435-725-4072.

Very truly yours,



Lynn D. Becker  
Division Land Manager  
Energy and Minerals Department

Attachments: Topo and location maps

Consent to proposed exception location:

FR 1F-1-15-19 Well  
Surface Location: T15S-R20E Section 6: 790' FNL, 238' FWL  
Bottom Hole Location: T15S-R19E Section 1: 560' FNL, 560' FEL

Wind River Resources Corporation

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Bill Barrett Corp.

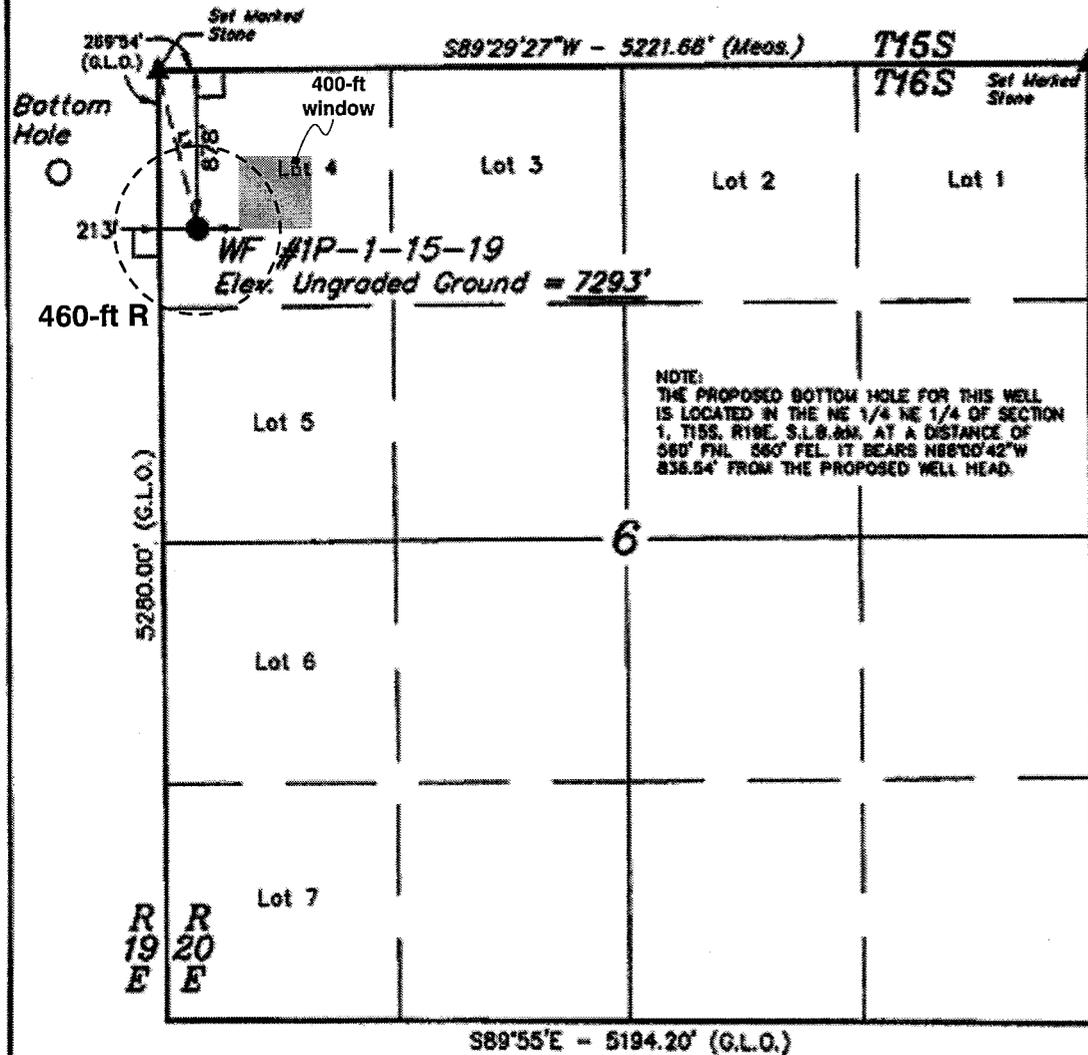
By TLM

Title Sr. Leaseman

Date 4/21/05

Bill Barrett Corp. consents to the exception location provided no uphole perforations or other completion operations occur closer than 460 feet to the East line of Section 1, T15S, R19E.

T15S, R20E, S.L.B.&M.



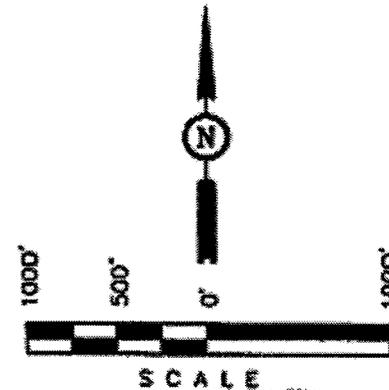
NOTE:  
THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN THE NE 1/4 NE 1/4 OF SECTION 6, T15S, R20E, S.L.B.&M. AT A DISTANCE OF 560' FNL, 540' FEL. IT BEARS N88°00'42\"/>

**QUESTAR EXPLORATION & PROD.**

Well location, WF #1P-1-15-19, located as shown in the NW 1/4 NW 1/4 (Lot 4) of Section 6, T15S, R20E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (59 WF) LOCATED IN THE NW 1/4 OF SECTION 10, T15S, R20E, S.L.B.&M. TAKEN FROM THE FLAT ROCK MESA QUADRANGLE, UTAH, UTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7449 FEET.



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

**CERTIFICATE OF SURVEY**  
 REGISTERED LAND SURVEYOR  
 UTAH COUNTY, UTAH  
 1319

Revised: 5-13-05  
 Revised: 4-12-05

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S14°D4'48"E	903.07'

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)  
 LATITUDE = 39°32'46.29" (39.546192)  
 LONGITUDE = 109°43'45.48" (109.729300)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 39°32'46.42" (39.546228)  
 LONGITUDE = 109°43'42.99" (109.728608)

**LEGEND:**

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 4-5-05	DATE DRAWN: 4-6-05
PARTY G.O. B.C. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLORATION & PROD.	

**Additional Operator Remarks**

QEP Uinta Basin Inc. proposes to directional drill a well to 12,700' TVD to test the Pre-Cambrian. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

**This APD is being submitted under the Wolf Flat EDA #14-20-H-62-5512.**

See attached Onshore No. 1

Please be advised that QEP, Uinta Basin Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP, Uinta Basin Inc. via surety as consent as provided for the 43 CFR 3104.2.

ONSHORE OIL & GAS ORDER NO. 1  
 Approval of Operations on Onshore  
 Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>TVD</u>	<u>MD</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	Surface	
Wasatch	2410	2410	
Mesa Verde	4390	4390	Gas
Castle Gate	6225	6248	
Mancos	6465	6492	
Dakota Silt	10260	10330	
Dakota	10360	10430	
Cedar Mountain	10430	10500	
Morrison	10650	10720	
Curtis	11275	11345	
Entrada	11345	11415	
Carmel	11610	11680	
Kayenta	11690	11760	
Wingate	11810	11880	
Chinle	12090	12160	
Shinarump	12400	12470	
Pre-Cambrian	12500	12570	
TD	12700	12770	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>TVD Depth</u>	<u>MD Depth</u>
Oil/Gas	Pre-Cambrian	12700'	'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Willow Creek water right #49-2183 / Permit# T75500.

All waste water resulting from drilling operations will be disposed of at RNI disposal pit located in NWNE Section 5, T9S, R22E.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, or 70 % of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	500'	17 1/2"	13 3/8"	M-50	48lb/ft (new)
Intermediate	4450'	12 1/4"	9 5/8"	J-55	40lb/ft (new)
Production	TD	8 1/2"	5 1/2"	P-110	17lb/ft(new)

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes  
If drilling with air the following will be used:
- F. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

Logging – Mud logging – 4500 to TD  
GR-SP-Induction  
Neutron Density  
MRI

- C. Formation and Completion Interval: Pre-Cambrian interval, final determination of completion will be made by analysis of logs.  
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

See attached Cementing Recommendation.

\*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5529 psi. Maximum anticipated bottom hole temperature is 140° F.

9. Surface Owner

The well pad and access road are located on lands owned by the Ute Tribe.

**QEP UINTA BASIN, INC.  
WF 1P-1-15-19**

**SURFACE: 878' FNL 213' FWL NWNW, LOT 4, SECTION 6, T15S, R20E, S.L.B.M.  
BOTTOM HOLE: 560' FNL 560' FEL NENE, SECTION 1, T15S, R19E, S.L.B.M.  
UINTAH COUNTY, UTAH  
WOLF FLAT EDA#14-20-H-62-5521**

**ONSHORE ORDER NO. 1**

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

**1. Existing Roads:**

The proposed well site is approximately 53 miles Southwest of Ouray, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

There will be no improvements made to existing access roads.

**2. Planned Access Roads:**

Refer to Topo Map B for the location of the proposed access road.

New access roads on BLM surface will be 30' in width crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the road bed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

**3. Location of Existing Wells Within a 1 – Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

Refer to Topo Map D for the location of the proposed pipeline.

A containment dike will be constructed completely around those production facilities which contains fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The use of topsoil of the construction of dikes will not be allowed. All loading lines will be placed inside the berm surrounding tank battery. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Olive Black (5WA20-6). Surface pipeline will be 4" zaplocked steel surface line. Pipeline will be zaplocked on location and then pulled into place using a rubber tired tractor.

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

Fresh water for drilling purposes will be obtained from Will Creek Water Right # 49-2183/permit # T75500.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized. Any gravel will be obtained from a commercial source. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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

Drill cuttings will be contained and buried in the reserve pit. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility with 120 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order #7, all produced water will be contained in tanks on location and then hauled to RNI Disposal located in NWNE Section 5, T9S, R22E. Pit reclamation for lined pit will be ruptured when emptied to allow the remaining liquid to be adequately mixed and to promote additional drying of the pit area.

8. **Ancillary Facilities:**

None anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

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

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

10. **Plans for Reclamation of the Surface:**

Topsoil will be stripped and salvaged to provide for sufficient quantities to be respread to a depth of at least 4 to 6 inches over the disturbed areas to be reclaimed. Topsoil shall be stock piled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Tribe  
PO Box 190  
FT. Duchesne, UT 84026  
(435) 722-5141

12. **Other Information**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

Dirt berm around entire location. Tanks will be bermed with corrugated steel and lined with plastic and topped with dirt. Additional dirt berm shall be placed around the outside of the corrugated steel berm.

**Lessee's or Operator's Representative:**

Jan Nelson  
Red Wash Rep.  
QEP Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, Utah 84078  
(435) 781-4331

**Certification:**

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

QEP Uinta Basin, Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

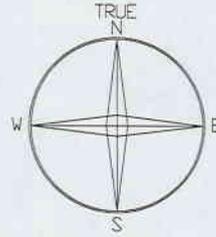
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
Jan Nelson  
Red Wash Representative

06/08/05

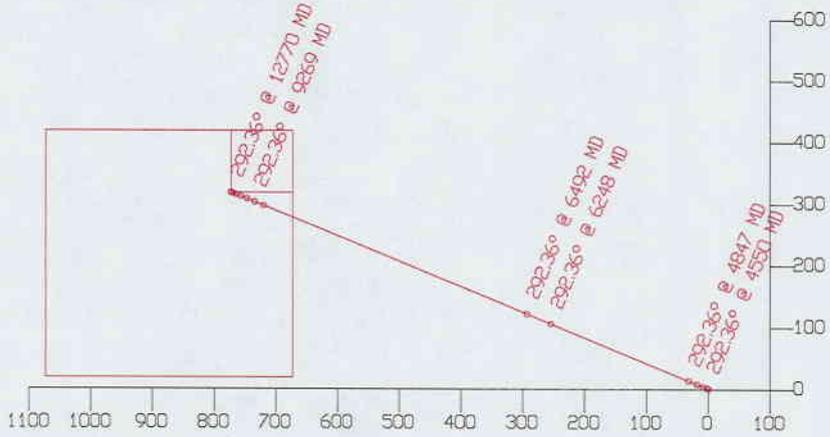
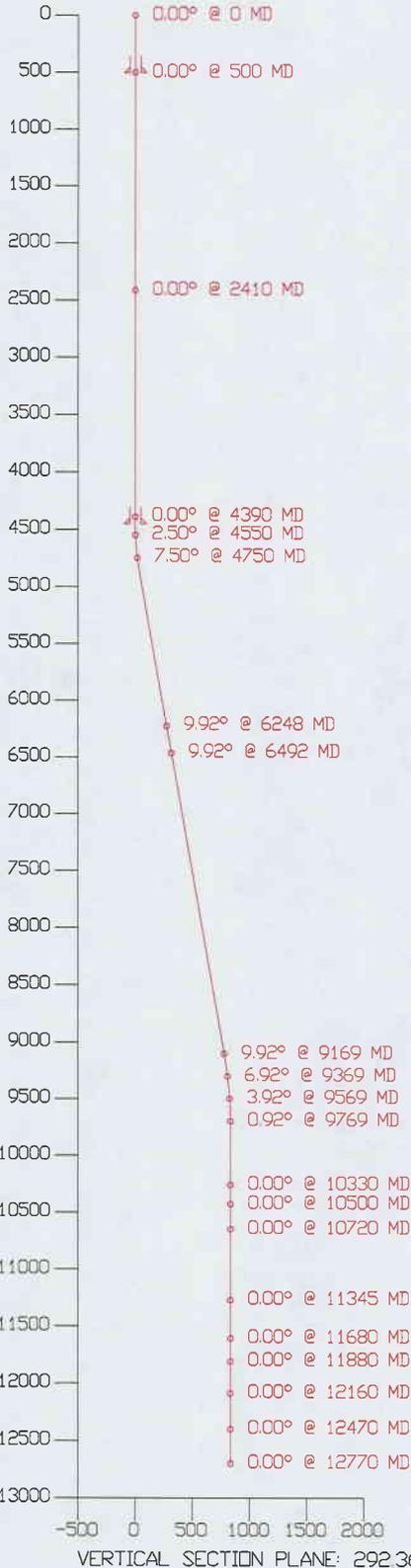
\_\_\_\_\_  
Date

Questar Exploration & Production  
 WF #1P-1-15-19  
 SEC. 1, T15S, R19E  
 Uintah Co., UT  
 Wellplan-WF #1P-1-15-19



VERTICAL VIEW  
 SCALE 500 ft. / DIVISION  
 TVD REF: WELLHEAD  
 VERTICAL SECTION REF: WELLHEAD

HORIZONTAL VIEW  
 SCALE 100 ft. / DIVISION  
 SURVEY REF: WELLHEAD



CRITICAL POINT DATA						
	MD	Inc	Azi	TVD	N/S	E/W
TIE IN	0	0.00°	292.36°	0	0 N	0 E
13 3/8" CASING	500	0.00°	292.36°	500	0 N	0 E
WASATCH	2410	0.00°	292.36°	2410	0 N	0 E
MESAVERDE	4390	0.00°	292.36°	4390	0 N	0 E
KOP / START OF BUILD @ 2.50"/100 ft / 9 5/8" CASING	4450	0.00°	292.36°	4450	0 N	0 E
END OF BUILD	4847	9.92°	292.36°	4845	13 N	32 W
CASTLEGATE	6248	9.92°	292.36°	6225	105 N	236 W
MANCOS	6492	9.92°	292.36°	6465	121 N	294 W
START OF CURVE @ 1.50"/100 ft	9169	9.92°	292.36°	9102	296 N	720 W
TARGET #1 - 500' ABOVE	9830	0.00°	292.36°	9760	318 N	773 W
DAKOTA SILT	10330	0.00°	292.36°	10260	318 N	773 W
DAKOTA FM	10430	0.00°	292.36°	10360	318 N	773 W
CEDAR MOUNTAIN	10500	0.00°	292.36°	10430	318 N	773 W
MORRISON FM	10720	0.00°	292.36°	10650	318 N	773 W
CURTIS FM	11345	0.00°	292.36°	11275	318 N	773 W
ENTRADA	11415	0.00°	292.36°	11345	318 N	773 W
CARMEL	11680	0.00°	292.36°	11610	318 N	773 W
KAYENTA	11760	0.00°	292.36°	11690	318 N	773 W
WINGATE	11880	0.00°	292.36°	11810	318 N	773 W
CHINLE	12160	0.00°	292.36°	12090	318 N	773 W
SHINARUMP	12470	0.00°	292.36°	12400	318 N	773 W
PRE-CAMBRIAN	12570	0.00°	292.36°	12500	318 N	773 W
TD	12770	0.00°	292.36°	12700	318 N	773 W

VERTICAL SECTION PLANE: 292.36°

## Proposal Report

Date: 6/2/2005  
 Time: 4:39 pm  
 Wellpath ID: WP-WF #1P-1-15-19  
 Last Revision: 6/2/2005

*Calculated using the Minimum Curvature Method  
 Computed using PDS VER2.2.6  
 Vertical Section Plane: 292.36 deg.*

Survey Reference: WELLHEAD  
 Vertical Section Reference: WELLHEAD  
 Closure Reference: WELLHEAD  
 TVD Reference: WELLHEAD

Questar Exploration & Production  
 WF #1P-1-15-19  
 SEC. 1, T15S, R19E  
 Uintah Co., UT  
 Wellplan-WF #1P-1-15-19

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)		DLS (dg/100ft)
TIE IN										
0.00	0.00	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
13 3/8" CASING										
500.00	0.00	0.00	500.00	500.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
WASATCH										
2410.00	0.00	0.00	2410.00	1910.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
MESAVERDE										
4390.00	0.00	0.00	4390.00	1980.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
KOP / START OF BUILD @ 2.50 deg/100 ft / 9 5/8" CASING										
4450.00	0.00	0.00	4450.00	60.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
4550.00	2.50	292.36	4549.97	100.00	2.18	0.83 N	2.02W	2.18@292.36		2.50
4650.00	5.00	292.36	4649.75	100.00	8.72	3.32 N	8.07W	8.72@292.36		2.50
4750.00	7.50	292.36	4749.14	100.00	19.61	7.46 N	18.13W	19.61@292.36		2.50
END OF BUILD										
4846.78	9.92	292.36	4844.80	96.78	34.26	13.03 N	31.68W	34.26@292.36		2.50
CASTLEGATE										
6247.92	9.92	292.36	6225.00	1401.15	275.63	104.86 N	254.90W	275.63@292.36		0.00
MANCOS										
6491.57	9.92	292.36	6465.00	243.64	317.60	120.83 N	293.72W	317.60@292.36		0.00
START OF CURVE @ 1.50 deg/100 ft										
9168.59	9.92	292.36	9102.00	2677.02	778.75	296.28 N	720.19W	778.75@292.36		0.00
9268.59	8.42	292.36	9200.72	100.00	794.69	302.34 N	734.93W	794.69@292.36		1.50
9368.59	6.92	292.36	9299.82	100.00	808.03	307.42 N	747.27W	808.03@292.36		1.50
9468.59	5.42	292.36	9399.24	100.00	818.78	311.50 N	757.21W	818.78@292.36		1.50
9568.59	3.92	292.36	9498.91	100.00	826.92	314.60 N	764.74W	826.92@292.36		1.50
9668.59	2.42	292.36	9598.75	100.00	832.45	316.70 N	769.85W	832.45@292.36		1.50
9768.59	0.92	292.36	9698.71	100.00	835.36	317.81 N	772.55W	835.36@292.36		1.50
TARGET #1 - 500' ABOVE DAKOTA Si										
9829.88	0.00	0.00	9760.00	61.30	835.85	318.00 N	773.00W	835.85@292.36		1.50
DAKOTA SILT										
10329.89	0.00	0.00	10260.00	500.00	835.85	318.00 N	773.00W	835.85@292.36		0.00
DAKOTA FM										
10429.89	0.00	0.00	10360.00	100.00	835.85	318.00 N	773.00W	835.85@292.36		0.00
CEDAR MOUNTAIN										
10499.89	0.00	0.00	10430.00	70.00	835.85	318.00 N	773.00W	835.85@292.36		0.00
MORRISON FM										
10719.89	0.00	0.00	10650.00	220.00	835.85	318.00 N	773.00W	835.85@292.36		0.00
CURTIS FM										
11344.89	0.00	0.00	11275.00	625.00	835.85	318.00 N	773.00W	835.85@292.36		0.00

# PathFinder Energy Services

## Proposal Report

Page 2

Date: 6/2/2005

Wellpath ID: WP-WF #1P-1-15-19

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist. (ft)	Dir. (deg.)	
ENTRADA										
11414.89	0.00	0.00	11345.00	70.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
CARMEL										
11679.89	0.00	0.00	11610.00	265.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
KAYENTA										
11759.89	0.00	0.00	11690.00	80.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
WINGATE										
11879.89	0.00	0.00	11810.00	120.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
CHINLE										
12159.89	0.00	0.00	12090.00	280.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
SHINARUMP										
12469.89	0.00	0.00	12400.00	310.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
PRE-CAMBRIAN										
12569.89	0.00	0.00	12500.00	100.00	835.86	318.00 N	773.00W	835.86@292.36		0.00
TD										
12769.89	0.00	0.00	12700.00	200.00	835.86	318.00 N	773.00W	835.86@292.36		0.00



**Questar Exploration And Production**  
**1050-17th Street, Suite 500**  
**Denver, Colorado 80265**

Wolf Flats #1P-1-15-19  
Flat Rock Field  
Uintah County, Utah  
United States of America  
S:1 T:15S R:19E

## **Cementing Recommendation**

Prepared for: Mr. Jim Davidson  
April 14, 2005  
Version: 1

Submitted by:  
Rob Kruger  
Halliburton Energy Services  
Vernal Ut Us  
1085 E Main  
Vernal, Utah 84078  
+435.789.2550

**HALLIBURTON**

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

## **Foreword**

---

Enclosed is our recommended procedure for fracturing the formation in the referenced well. The information in this proposal includes well data, calculations, material requirements, and cost estimates. This proposal is based on information from our field personnel and previous stimulation services in the area. Halliburton appreciates 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 representatives listed below.

Prepared by: \_\_\_\_\_  
Kyle Scott  
Technical Professional

Submitted by: \_\_\_\_\_  
Rob Kruger  
Senior Account Representative

SERVICE CENTER:	Vernal, Utah
SERVICE COORDINATOR:	Willis Lefevre
OPER. ENGINEER:	Richard Curtice
FSQC:	Richard McDonald
CMT ENGINEERS:	Kyle Scott Dean Smith
PHONE NUMBER:	(435) 789-2550

## *Job Information*

## *Cement Surface Casing*

---

Wolf Flats	#1P-1-15-19
Open Hole Section	0 - 500 ft (MD) 0 - 500 ft (TVD)
Inner Diameter	17.500 in
Job Excess	100 %
Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.515 in
Linear Weight	61 lbm/ft

**Calculations****Cement Surface Casing**

Spacer:

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

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.6946 \text{ ft}^3/\text{ft} * 100 \% &= 694.64 \text{ ft}^3 \\ \text{Primary Cement} &= 694.64 \text{ ft}^3 \\ &= 123.72 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.8543 \text{ ft}^3/\text{ft} &= 35.88 \text{ ft}^3 \\ &= 6.39 \text{ bbl} \\ \text{Tail plus shoe joint} &= 730.52 \text{ ft}^3 \\ &= 130.11 \text{ bbl} \\ \text{Total Tail} &= 610 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 500.00 \text{ ft} * 0.8543 \text{ ft}^3/\text{ft} &= 427.13 \text{ ft}^3 \\ &= 76.07 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 76.07 \text{ bbl} - 6.39 \text{ bbl} \\ &= 69.68 \text{ bbl} \end{aligned}$$

## Job Recommendation

## Cement Surface Casing

### Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)  
2 % Calcium Chloride (Accelerator)  
0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 15.60 lbm/gal

Slurry Yield: 1.20 ft<sup>3</sup>/sk

Total Mixing Fluid: 5.25 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 130.11 bbl

Calculated Sacks: 609.78 sks

Proposed Sacks: 610 sks

Fluid 3: Water Spacer

Water Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 69.68 bbl

Fluid 4: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)  
2 % **(On Side)** Calcium Chloride (Accelerator)

Fluid Weight 15.60 lbm/gal

Slurry Yield: 1.20 ft<sup>3</sup>/sk

Total Mixing Fluid: 5.26 Gal/sk

Proposed Sacks: 100 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	5.0	20 bbl
2	Cement	15.6 PPG Cement	15.6	5.0	610 sks
3	Spacer	Water Displacement	8.3	5.0	69.68 bbl
4	Cement	Top Out Cement	15.6	1.5	100 sks

## Cost Estimate

## Cement Surface Casing

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Base Amt	Unit Price	Net Amt
7521	CMT SURFACE CASING BOM	1		0.00	0.00	0.00
	<b>CEMENTING EQUIPMENT &amp; SERVICES</b>					
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 500 FT	EA	0.00	3,451.00	1,552.95
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	200 1	MI	0.00	3.86	347.40
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	200 1	MI	0.00	6.56	590.40
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	0.00	1,153.00	518.85
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	0.00	1,591.00	715.95
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	924.00	0.00	415.80
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 13.375 IN	JOB	0.00	431.00	193.95
	<b>SubTotal</b>				<b>USD</b>	<b>4,335.30</b>
	<b>CEMENTING MATERIALS</b>					
201087	BA. QUIK-GEL - 50 LB BAG	20	BG	0.00	34.18	307.62
100003685	CLASS G / PREMIUM, BULK	610	SK	0.00	27.74	7,614.63
100005053	CHEMICAL - CALCIUM CHLORIDE HI TEST PLT	14	SK	0.00	175.60	1,106.28
100005049	CHEMICAL - FLOCELE (25 LB SK)	153	LB	0.00	5.07	349.07
	<b>TOP OUT CEMENT</b>					
100003685	CLASS G / PREMIUM, BULK	100	SK	0.00	27.74	1,248.30
100005053	CHEMICAL - CALCIUM CHLORIDE HI TEST PLT	3	SK	0.00	175.60	237.06
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	100 34.11	MI	0.00	2.24	3,438.29
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	741 1	CF	0.00	3.68	1,227.10
	<b>SubTotal</b>				<b>USD</b>	<b>15,528.35</b>
	<b>CASING EQUIPMENT</b>					
100004730	SHOE,GID,13 3/8 8RD,CEM	1	EA	0.00	701.81	386.00
100004851	COLLAR-FLT-13-3/8 8RD 48-72#	1	EA	0.00	1,678.95	923.42
100004631	CLAMP - LIMIT - 13-3/8 - HINGED -	1	EA	0.00	55.93	30.76
100005045	KIT,HALL WELD-A	1	EA	0.00	46.82	25.75
100004487	CENTRALIZER-13 3/8"-CSG-17 1/2"-HINGED	3	EA	0.00	197.83	326.42
101235693	PLUG,CMTG,TOP,13 3/8,HWE,11.79 MIN/12.72	1	EA	0.00	697.66	383.71
	<b>SubTotal</b>				<b>USD</b>	<b>2,076.06</b>
	<b>SURCHARGES</b>					
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	94.00	94.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	58.00	58.00

# HALLIBURTON

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Base Amt</u>	<u>Unit Price</u>	<u>Net Amt</u>
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 1	MI	0.00	0.10	20.00
86955	ZI FUEL SURCHG-HEAVY TRKS ≥1 1/2 TON Number of Units	200 2	MI	0.00	0.30	120.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	100 34.11	MI	0.00	0.10	341.10
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	0.00	161.50	323.00
	<b>SubTotal</b>				<b>USD</b>	<b>956.10</b>
	<b>Total</b>				<b>USD</b>	<b>48,872.19</b>
	<b>Discount</b>				<b>USD</b>	<b>25,976.38</b>
	<b>Discounted Total</b>				<b>USD</b>	<b>22,895.81</b>

**Primary Plant:** Vernal, UT, USA  
**Secondary Plant:** Vernal, UT, USA

**Price Book Ref:** 01 Western US  
**Price Date:** 1/1/2005

## **Job Information**

## **Cement Intermediate Casing**

---

Wolf Flats	#1P-1-15-19
Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.515 in
Linear Weight	61 lbm/ft
Open Hole Section	500 - 4450 ft (MD)
Inner Diameter	12.250 in
Job Excess	35 %
Intermediate Casing	0 - 4450 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft

## Calculations

## Cement Intermediate Casing

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

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

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (3950.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.349 \text{ ft}^3/\text{ft} * 0 \% &= 174.49 \text{ ft}^3 \\ 3450.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 35 \% &= 1458.67 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1633.16 \text{ ft}^3 \\ &= 290.88 \text{ bbl} \\ \text{Sacks of Cement} &= 840 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 35 \% &= 211.40 \text{ ft}^3 \\ \text{Tail Cement} &= 211.40 \text{ ft}^3 \\ &= 37.65 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 18.23 \text{ ft}^3 \\ &= 3.25 \text{ bbl} \\ \text{Tail plus shoe joint} &= 229.63 \text{ ft}^3 \\ &= 40.90 \text{ bbl} \\ \text{Total Tail} &= 156 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 4450.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 1931.59 \text{ ft}^3 \\ &= 344.03 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 344.03 \text{ bbl} - 3.25 \text{ bbl} \\ &= 340.78 \text{ bbl} \end{aligned}$$

## Job Recommendation

## Cement Intermediate Casing

### Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

**FOAMED SUPER FLUSH**

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

**FOAMED FRESH WATER BEHIND**

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement (**FOAMED TO 11 PPG**)

50/50 Poz Premium (**NO GEL**)

5 lbm/sk	Silicalite Compacted (Light Weight Additive)
20 %	SSA-1 (Cement Material)
0.1 %	Diacel LWL (Low Fluid Loss Control)
0.1 %	Versaset (Thixotropic Additive)
1.5 %	Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 3950 ft

Volume: 290.88 bbl

Calculated Sacks: 839.95 sks

Proposed Sacks: 840 sks

Fluid 5: Tail Cement (**UNFOAMED**)

50/50 Poz Premium (**NO GEL**)

5 lbm/sk	Silicalite Compacted (Light Weight Additive)
20 %	SSA-1 (Cement Material)
0.1 %	Diacel LWL (Low Fluid Loss Control)
0.1 %	Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3950 ft

Calculated Fill: 500 ft

Volume: 40.90 bbl

Calculated Sacks: 156.32 sks

Proposed Sacks: 160 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 340.78 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 ft<sup>3</sup>/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 75 sks

**\*\*\*Slurry Volumes subject to change based on caliper log results – Excess volume is to be 10% over caliper log (this proposal was prepared using 35% excess over gauge hole size).**

### Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Foamed Super Flush	9.2	5.0	20 bbl
3	Spacer	Foamed Fresh Behind	8.3	5.0	10 bbl
4	Cement	11 ppg Foamed Lead	14.3	5.0	840 sks
5	Cement	14.3 ppg Unfoamed Tail	14.3	5.0	160 sks
6	Spacer	Displacement	8.3	7.0	340.78 bbl
7	Cement	12/3 Thixo Cap Cement	14.6	1.5	75 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
<b>Stage 1</b>						
4	Foamed Lead	219.76bb 1	11.0	11.0	50	287.1

### Foam Design Specifications:

Foam Calculation Method: Constant Density  
 Backpressure: 75 psig  
 Bottom Hole Circulating Temp: 95 degF  
 Mud Outlet Temperature: 80 degF

Calculated Gas = 32522.0 scf  
 Additional Gas = 40000 scf  
 Total Gas = 72522.0 scf

**MIN N2 RATE            250 scfm**  
**MAX N2 RATE           1435 scfm**

## Cost Estimate

## Cement Intermediate Casing

### SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Base Amt	Unit Price	Net Amt
7522	CMT INTERMEDIATE CASING BOM	1		0.00	0.00	0.00
	<b>CEMENTING EQUIPMENT &amp; SERVICES</b>					
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 4450 FT	EA	0.00	4,712.00	2,120.40
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	200 2	MI	0.00	3.86	694.80
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	200 2	MI	0.00	6.56	1,180.80
13	CSG PUMPING,STANDBY UNIT,/6HRS,ZI HOUR IN RANGE OF 6 HOURS	1 6	UNT	0.00	4,299.00	1,934.55
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	0.00	1,153.00	518.85
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	0.00	1,591.00	715.95
213	AUTO FOAMER INJECTION PUMP,0-4HRS,ZI HOURS OR FRACTION (MIN4)	1 4	EA	3,221.00	0.00	1,449.45
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	924.00	0.00	415.80
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 9.625 IN	JOB	0.00	431.00	193.95
92	PORTABLE RADIOS, ZI NUMBER OF JOBS	10 1	EA	0.00	225.00	1,012.50
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	0.00	460.00	207.00
11941	FIELD STORAGE BIN DELIVERY, ZI Number of Units	100 1	MI	0.00	6.56	295.20
	<b>SubTotal</b>				<b>USD</b>	<b>10,739.25</b>
	<b>ZONESEAL PROCESS</b>					
14780	ZONESEAL ISOLATION PROCESS, ZI DEPTH FEET/METERS (FT/M)	1 4450 FT	FT	0.00	9,098.00	4,094.10
130443	ZONESEAL CERTIFIED SPECIALIST H/DAY/MO TOTAL NUMBER HR/DAY/WEEK/MTH/YEAR/JOB/RUN	1 4	H	0.00	173.00	311.40
	<b>SubTotal</b>				<b>USD</b>	<b>4,405.50</b>
	<b>CEMENTING MATERIALS</b>					
100003639	HALLIBURTON SUPER FLUSH	20	SK	0.00	211.00	1,899.00
12302	SBM 50-50 POZ (PREMIUM)	1000	SK	0.00	21.30	9,585.00
100012223	CHEMICAL - SILICALITE COMPACTED, 50 LB	5000	LB	0.00	2.05	4,612.50
100003691	SAND- 200 MESH SILICA FLOUR (BULK) SSA-1	16450	LB	0.00	0.43	3,183.07
100001612	CHEMICAL - DIACEL LWL - LOW WATER LOSS	83	LB	0.00	25.12	938.23
100007865	CHEMICAL - VERSASET	83	LB	0.00	8.48	316.73
101204007	ZONESEALANT 2000	81	GAL	0.00	126.00	4,592.70

# HALLIBURTON

Mtrl Nbr	Description	Qty	U/M	Base Amt	Unit Price	Net Amt
	<b>CAP CEMENT</b>					
100003685	CLASS G / PREMIUM, BULK	75	SK	0.00	27.74	936.22
100005051	CHEM- CALSEAL 60	9	SK	0.00	78.06	316.14
100005053	CHEMICAL - CALCIUM CHLORIDE HI TEST PLT	3	SK	0.00	175.60	237.06
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	100 55.99	MI	0.00	2.24	5,643.79
	<b>SubTotal</b>				<b>USD</b>	<b>32,260.44</b>
	<b>CASING EQUIPMENT</b>					
100004955	SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA	0.00	980.75	539.41
100004823	CLR,FLT,9-5/8 8RD 29.3-40PPF,2-3/4	1	EA	0.00	1,086.38	597.51
101214575	PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA	0.00	317.40	174.57
100004629	COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA	0.00	44.16	24.29
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	10	EA	0.00	145.28	799.04
100005045	KIT,HALL WELD-A	1	EA	0.00	46.82	25.75
	<b>SubTotal</b>				<b>USD</b>	<b>2,160.57</b>
	<b>SURCHARGES</b>					
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	94.00	94.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	58.00	58.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 3	MI	0.00	0.10	60.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 5	MI	0.00	0.30	300.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	100 55.99	MI	0.00	0.10	559.90
372867	Cmt PSL - DOT Vehicle Charge, CMT	6	EA	0.00	161.50	969.00
	<b>SubTotal</b>				<b>USD</b>	<b>2,040.90</b>
	<b>Total</b>				<b>USD</b>	<b>111,314.11</b>
	<b>Discount</b>				<b>USD</b>	<b>59,707.45</b>
	<b>Discounted Total</b>				<b>USD</b>	<b>51,606.66</b>

Primary Plant: Vernal, UT, USA  
 Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US  
 Price Date: 1/1/2005

SAP Quote #0

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Base Amt</u>	<u>Unit Price</u>	<u>Net Amt</u>
7522	CMT INTERMEDIATE CASING BOM	1		0.00	0.00	0.00
	<b>NITROGEN CHARGES</b>					
353672	N2 Pmp Chg; 0-4K SCFM/0-113 SCMM PUMPING PRESSURE PRESSURE UNITS (PSI/MPA/BAR)	1 5000 PSI	EA	0.00	2,313.00	1,156.50
16261	NITROGEN PUMPING, MIN 2 HOURS HOURS OR FRACTION (MIN2)	1 4	EA	364.00	182.00	364.00
3570	NITROGEN FLOW METER, EACH, PER DAY NUMBER OF DAYS	1 1	EA	0.00	1,124.00	562.00
3564	N2 FOAM GENERATOR, PER JOB. NUMBER OF JOBS	1 1	EA	0.00	830.00	415.00
13459	LIQUID NITROGEN	72522	SCF	0.00	3.70	1,341.65
3567	MILEAGE FOR NITROGEN EQUIPMENT Number of Units	200 2	MI	0.00	6.56	1,312.00
3587	N2 CREW MILEAGE Number of Units	200 1	MI	0.00	3.86	386.00
	<b>SubTotal</b>				<b>USD</b>	<b>5,537.15</b>
	<b>SURCHARGES</b>					
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 1	MI	0.00	0.10	20.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 2	MI	0.00	0.30	120.00
373061	PE DOT Vehicle Charge	2	EA	0.00	161.50	323.00
	<b>SubTotal</b>				<b>USD</b>	<b>463.00</b>
	<b>Total</b>				<b>USD</b>	<b>11,537.31</b>
	<b>Discount</b>				<b>USD</b>	<b>5,537.16</b>
	<b>Discounted Total</b>				<b>USD</b>	<b>6,000.15</b>

Primary Plant: Vernal, UT, USA  
 Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US  
 Price Date: 4/14/2005

## Job Information

## Cement Production Casing

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Wolf Flats	#1P-1-15-19
Intermediate Casing	0 - 4450 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Open Hole Section	4450 - 12769.89 ft (MD)
Inner Diameter	8.500 in
Job Excess	35 %
Production Casing	0 - 12769.89 ft (MD)
Outer Diameter	5.500 in
Inner Diameter	4.892 in
Linear Weight	17 lbm/ft
Casing Grade	P-110
Mud Type	Water Based Mud
Mud Weight	9.20 lbm/gal
BHST	220 degF
BHCT	180 degF

**Calculations****Cement Production Casing**

Spacer:

$$\begin{aligned} 209.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 56.24 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 417.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 112.20 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 209.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 56.24 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (8277.00 ft fill)

$$\begin{aligned} 450.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 121.08 \text{ ft}^3 \\ 7827.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 35 \% &= 2420.50 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 2541.59 \text{ ft}^3 \\ &= 452.67 \text{ bbl} \\ \text{Sacks of Cement} &= 1258 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 35 \% &= 154.63 \text{ ft}^3 \\ \text{Tail Cement} &= 154.63 \text{ ft}^3 \\ &= 27.54 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 5.48 \text{ ft}^3 \\ &= 0.98 \text{ bbl} \\ \text{Tail plus shoe joint} &= 160.11 \text{ ft}^3 \\ &= 28.52 \text{ bbl} \\ \text{Total Tail} &= 109 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12777.11 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 1667.76 \text{ ft}^3 \\ &= 297.04 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 297.04 \text{ bbl} - 0.98 \text{ bbl} \\ &= 296.06 \text{ bbl} \end{aligned}$$

## Job Recommendation

## Cement Production Casing

### Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

**FOAMED SUPER FLUSH**

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

**FOAMED FRESH BEHIND**

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement (**FOAMED TO 11 PPG**)

50/50 Poz Premium (**NO GEL**)

5 lbm/sk Silicalite Compacted (Light Weight Additive)  
 20 % SSA-1 (Cement Material)  
 0.3 % Diacel LWL (Low Fluid Loss Control)  
 0.2 % Versaset (Thixotropic Additive)  
 1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 4000 ft

Calculated Fill: 8277 ft

Volume: 452.68 bbl

Calculated Sacks: 1257.62 sks

Proposed Sacks: 1260 sks

Fluid 5: Tail Cement (**FOAMED TO 11 PPG**)

50/50 Poz Premium (**NO GEL**)

5 lbm/sk Silicalite Compacted (Light Weight Additive)  
 20 % SSA-1 (Cement Material)  
 0.3 % Diacel LWL (Low Fluid Loss Control)  
 0.2 % Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal

Slurry Yield: 1.47 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 12277 ft

Calculated Fill: 500 ft

Volume: 28.52 bbl

Calculated Sacks: 108.84 sks

Proposed Sacks: 110 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 296.06 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 ft<sup>3</sup>/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 75 sks

**\*\*\*Slurry volumes subject to change based on caliper log results – Excess volume is to be 10% over caliper log (this proposal was prepared using 30% excess over gauge hole size).**

### Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Ahead	8.3	5.0	10 bbl
2	Spacer	Foamed Super Flush	9.2	5.0	20 bbl
3	Spacer	Foamed Fresh Behind	8.3	5.0	10 bbl
4	Cement	11 ppg Foamed Lead	14.3	5.0	1260 sks
5	Cement	14.3 ppg Unfoamed Tail	14.3	5.0	110 sks
6	Spacer	Water Displacement	8.3	7.0	296.06 bbl
7	Cement	12/3 Thixo Cap Cement	14.6	1.5	75 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
<b>Stage 1</b>						
4	Foamed Lead	329.49bb 1	11.0	11.0	217.0	688.1

### Foam Design Specifications:

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

Calculated Gas = 152670.4 scf  
 Additional Gas = 40000 scf  
 Total Gas = 192670.4 scf

**MIN N2 RATE            250 scfm**  
**MAX N2 RATE            3440 scfm**

## Cost Estimate

## Cement Production Casing

### SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Base Amt	Unit Price	Net Amt
14143	CMT FOAMED PRODUCTION CASING BOM	1		0.00	0.00	0.00
	<b>CEMENTING EQUIPMENT &amp; SERVICES</b>					
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 12777.11 FT	EA	0.00	15,335.00	6,900.75
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	200 2	MI	0.00	3.86	694.80
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	200 2	MI	0.00	6.56	1,180.80
13	CSG PUMPING,STANDBY UNIT,/6HRS,ZI HOUR IN RANGE OF 6 HOURS	1 6	UNT	0.00	4,299.00	1,934.55
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	0.00	1,153.00	518.85
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	0.00	1,591.00	715.95
213	AUTO FOAMER INJECTION PUMP,0-4HRS,ZI HOURS OR FRACTION (MIN4)	1 4	EA	3,221.00	0.00	1,449.45
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	924.00	0.00	415.80
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 5.5 IN	JOB	0.00	343.00	154.35
92	PORTABLE RADIOS, ZI NUMBER OF JOBS	10 1	EA	0.00	225.00	1,012.50
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	2 1	EA	0.00	460.00	414.00
11941	FIELD STORAGE BIN DELIVERY, ZI Number of Units	100 2	MI	0.00	6.56	590.40
	<b>SubTotal</b>				<b>USD</b>	<b>15,982.20</b>
	<b>ZONESEAL PROCESS</b>					
14780	ZONESEAL ISOLATION PROCESS, ZI DEPTH FEET/METERS (FT/M)	1 12777 FT	FT	0.00	22,744.00	10,234.80
130443	ZONESEAL CERTIFIED SPECIALIST H/DAY/MO TOTAL NUMBER HR/DAY/WEEK/MTH/YEAR/JOB/RUN	1 4	H	0.00	173.00	311.40
	<b>SubTotal</b>				<b>USD</b>	<b>10,546.20</b>
	<b>CEMENTING MATERIALS</b>					
12302	SBM 50-50 POZ (PREMIUM)	1370	SK	0.00	21.30	13,131.45
100012223	CHEMICAL - SILICALITE COMPACTED, 50 LB	6850	LB	0.00	2.05	6,319.12
100003691	SAND- 200 MESH SILICA FLOUR (BULK) SSA-1	22537	LB	0.00	0.43	4,360.91
100001612	CHEMICAL - DIACEL LWL - LOW WATER LOSS	339	LB	0.00	25.12	3,832.06
100007865	CHEMICAL - VERSASET	226	LB	0.00	8.48	862.42
101204007	ZONESEALANT 2000	121	GAL	0.00	126.00	6,860.70
	<b>CAP CEMENT</b>					

# HALLIBURTON

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Base Amt</u>	<u>Unit Price</u>	<u>Net Amt</u>
100003685	CLASS G / PREMIUM, BULK	75	SK	0.00	27.74	936.22
100005051	CHEM- CALSEAL 60	9	SK	0.00	78.06	316.14
100005053	CHEMICAL - CALCIUM CHLORIDE HI TEST PLT	3	SK	0.00	175.60	237.06
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	100 75.37	MI	0.00	2.24	7,597.30
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1944 1	CF	0.00	3.68	3,219.26
	<b>SubTotal</b>				<b>USD</b>	<b>47,672.64</b>
	<b>CASING EQUIPMENT</b>					
100004888	SHOE,FLT,5-1/2 8RD,P-110,2-3/4 SSII	1	EA	0.00	799.25	439.59
100004761	CLR,FLT,5-1/2 LG 8RD,14-23 PPF,P-110	1	EA	0.00	936.47	515.06
100004624	CLAMP - LIMIT - 5-1/2 - HINGED -	1	EA	0.00	33.87	18.63
100004477	CTRZR ASSY,API,5 1/2 CSG X 8 3/4 H,HNGD	20	EA	0.00	102.00	1,122.00
100005045	KIT,HALL WELD-A	1	EA	0.00	46.82	25.75
101237390	PLUG,CMTG,TOP,5 1/2,HWE,4.38 MIN/5.09 MA	1	EA	0.00	145.03	79.77
	<b>SubTotal</b>				<b>USD</b>	<b>2,200.80</b>
	<b>SURCHARGES</b>					
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	94.00	94.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	58.00	58.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 3	MI	0.00	0.10	60.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 5	MI	0.00	0.30	300.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	100 75.37	MI	0.00	0.10	753.70
372867	Cmt PSL - DOT Vehicle Charge, CMT	6	EA	0.00	161.50	969.00
	<b>SubTotal</b>				<b>USD</b>	<b>2,234.70</b>
	<b>Total</b>				<b>USD</b>	<b>171,127.35</b>
	<b>Discount</b>				<b>USD</b>	<b>92,490.81</b>
	<b>Discounted Total</b>				<b>USD</b>	<b>78,636.54</b>

Primary Plant: Vernal, UT, USA  
 Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US  
 Price Date: 1/1/2005

SAP Quote #0

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Base Amt</u>	<u>Unit Price</u>	<u>Net Amt</u>
14143	CMT FOAMED PRODUCTION CASING BOM	1		0.00	0.00	0.00
	<b>NITROGEN CHARGES</b>					
353672	N2 Pmp Chg; 0-4K SCFM/0-113 SCMM PUMPING PRESSURE PRESSURE UNITS (PSI/MPA/BAR)	1 5000 PSI	EA	0.00	2,313.00	1,156.50
16261	NITROGEN PUMPING, MIN 2 HOURS HOURS OR FRACTION (MIN2)	1 4	EA	364.00	182.00	364.00
3570	NITROGEN FLOW METER, EACH, PER DAY NUMBER OF DAYS	1 1	EA	0.00	1,124.00	562.00
3564	N2 FOAM GENERATOR, PER JOB. NUMBER OF JOBS	1 1	EA	0.00	830.00	415.00
13459	LIQUID NITROGEN	192170	SCF	0.00	3.70	3,555.14
3567	MILEAGE FOR NITROGEN EQUIPMENT Number of Units	200 2	MI	0.00	6.56	1,312.00
3587	N2 CREW MILEAGE Number of Units	200 1	MI	0.00	3.86	386.00
	<b>SubTotal</b>				<b>USD</b>	<b>7,750.64</b>
	<b>SURCHARGES</b>					
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 1	MI	0.00	0.10	20.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 2	MI	0.00	0.30	120.00
373061	PE DOT Vehicle Charge	2	EA	0.00	161.50	323.00
	<b>SubTotal</b>				<b>USD</b>	<b>463.00</b>
	<b>Total</b>				<b>USD</b>	<b>15,964.29</b>
	<b>Discount</b>				<b>USD</b>	<b>7,750.65</b>
	<b>Discounted Total</b>				<b>USD</b>	<b>8,213.64</b>

Primary Plant: Vernal, UT, USA  
 Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US  
 Price Date: 4/14/2005

13 5/8" Rotating Head

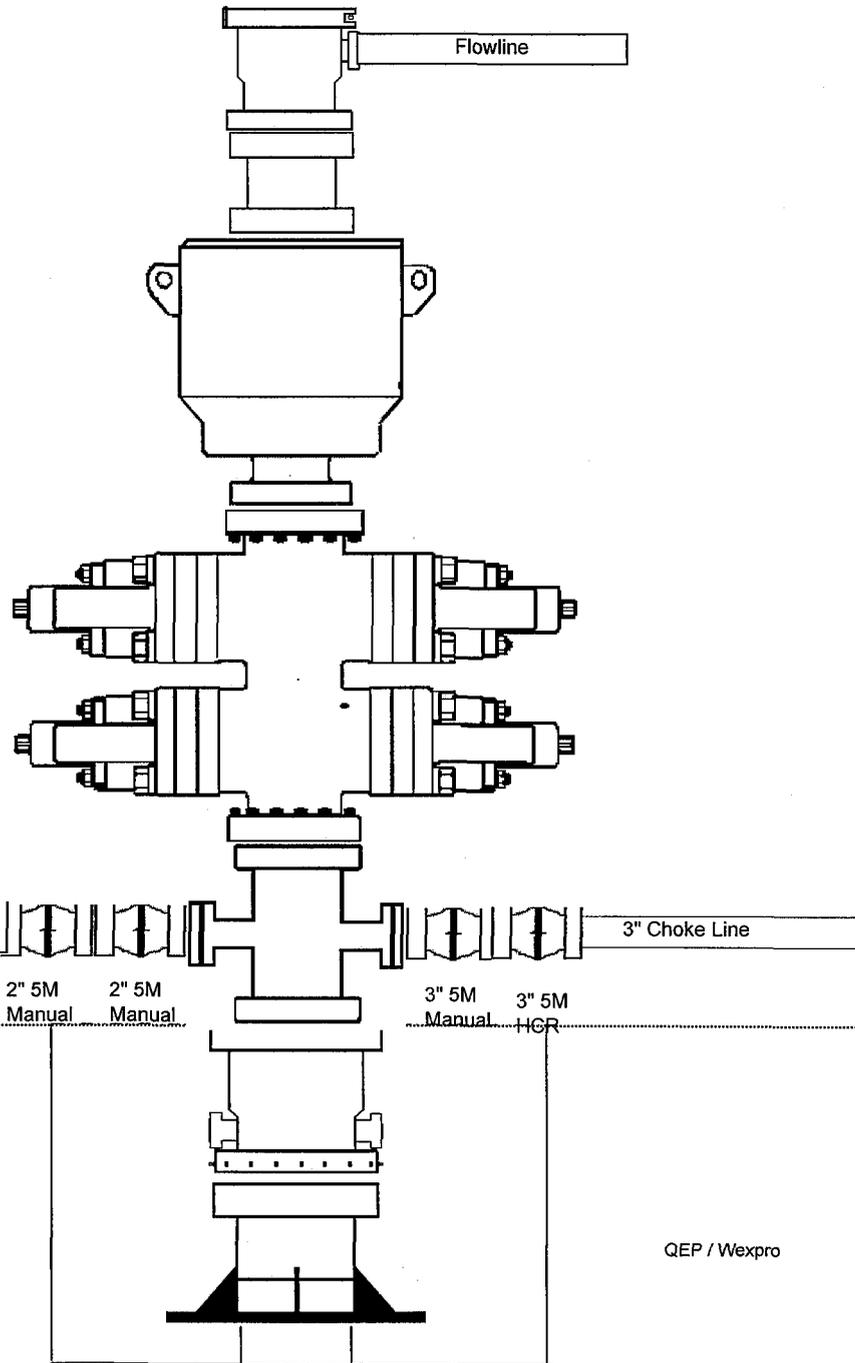
13 5/8" 5M Spacer Spool

13 5/8" 5M Annular

13 5/8" 5M Double Ram

13 5/8" 5M x 5M Multi-Bowl Head

13 3/8" 5M Casing Head



QEP / Wexpro

# QUESTAR EXPLR. & PROD.

## WF #1P-1-15-19

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 6, T15S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

04 06 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: GO.

DRAWN BY: L.K.

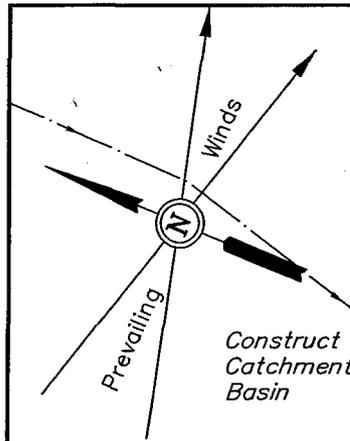
REVISED: 05-16-05C.P.

LOCATION LAYOUT FOR

WF #1P-1-15-19  
SECTION 6, T15S, R20E, S.L.B.&M.  
878' FNL 213' FWL

Proposed Access Road

C-0.1'  
El. 292.1'



CONSTRUCT DIVERSION DITCH  
C-3.5'  
El. 295.5'

Construct Catchment Basin

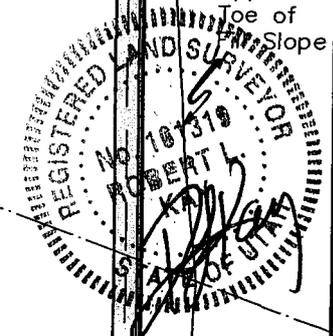
SCALE: 1" = 50'  
DATE: 5-13-05  
Drawn By: K.G.

Reserve Pit Back-fill & Spoils Stockpile

Construct Berm

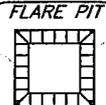
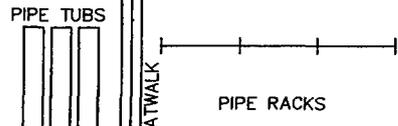
Existing Drainage

Approx. Toe of Slope



NOTE:  
Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope



C-4.7'  
El. 296.7'

C-1.4'  
El. 293.4'

El. 305.5'  
C-25.5'  
(btm. pit)

SLOPE 1:1 90'

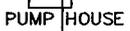
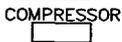
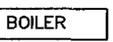
150' Sta. 2+00

F-7.8'  
El. 284.2'

Total Pit Capacity W/2' of Freeboard = 14,150 Bbls. ±  
Total Pit Volume = 2,940 Cu. Yds.

RESERVE PITS (12' Deep)

10' WIDE BENCH



C-9.8'  
El. 301.8'

Sta. 0+56

El. 307.6'  
C-27.6'  
(btm. pit)



C-6.8'  
El. 298.8'

C-11.4'  
El. 303.4'

Sta. 0+00

Topsail Stockpile

F-3.7'  
El. 288.3'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 7293.4'  
FINISHED GRADE ELEV. AT LOC. STAKE = 7292.0'

QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

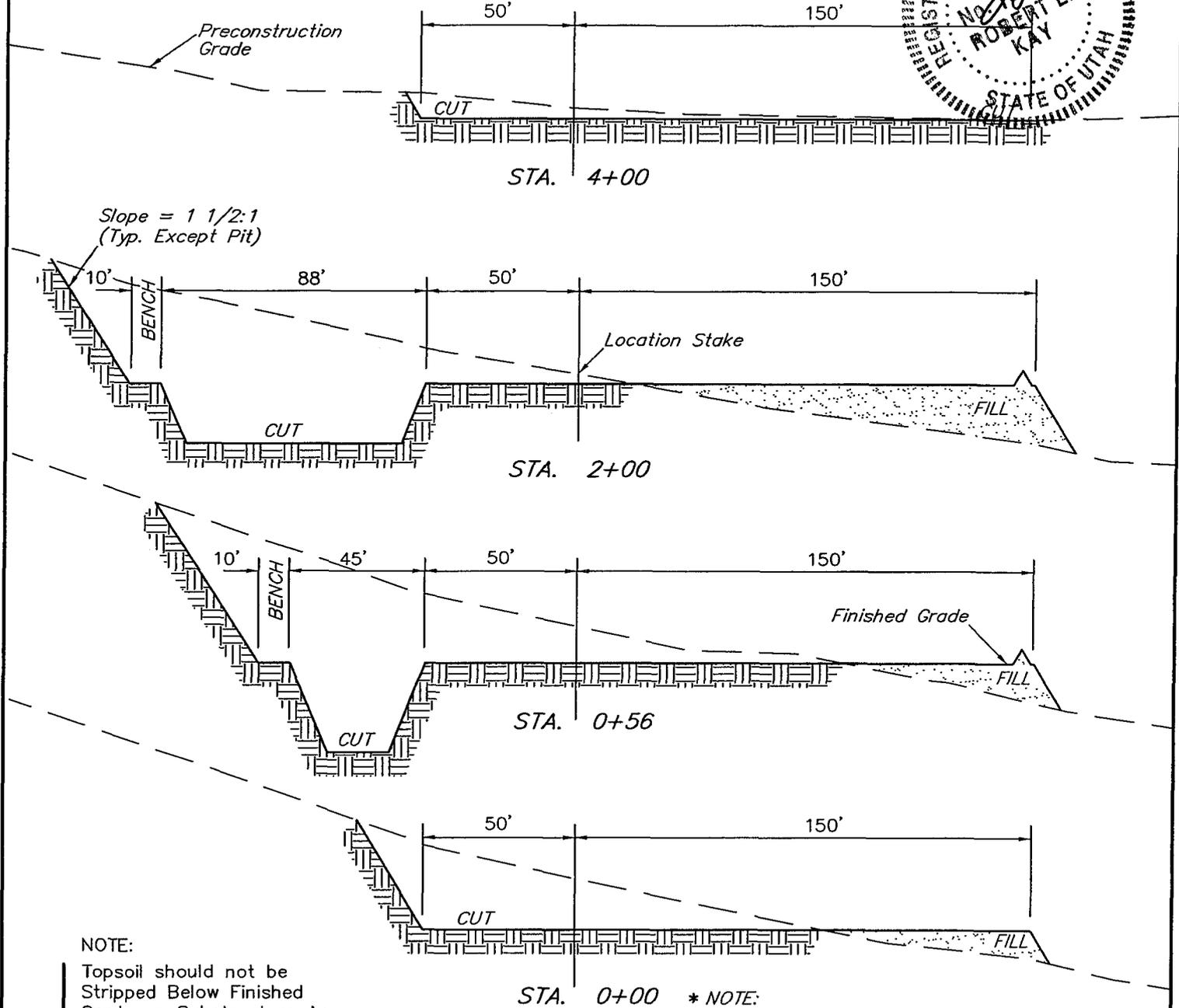
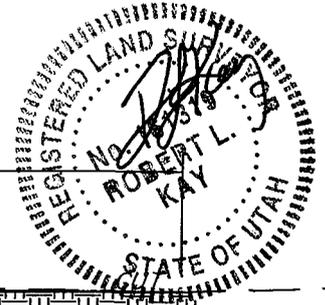
WF #1P-1-15-19

SECTION 6, T15S, R20E, S.L.B.&M.

878' FNL 213' FWL

1" = 20'  
X-Section Scale  
1" = 50'

DATE: 5-13-05  
Drawn By: K.G.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

\* NOTE:

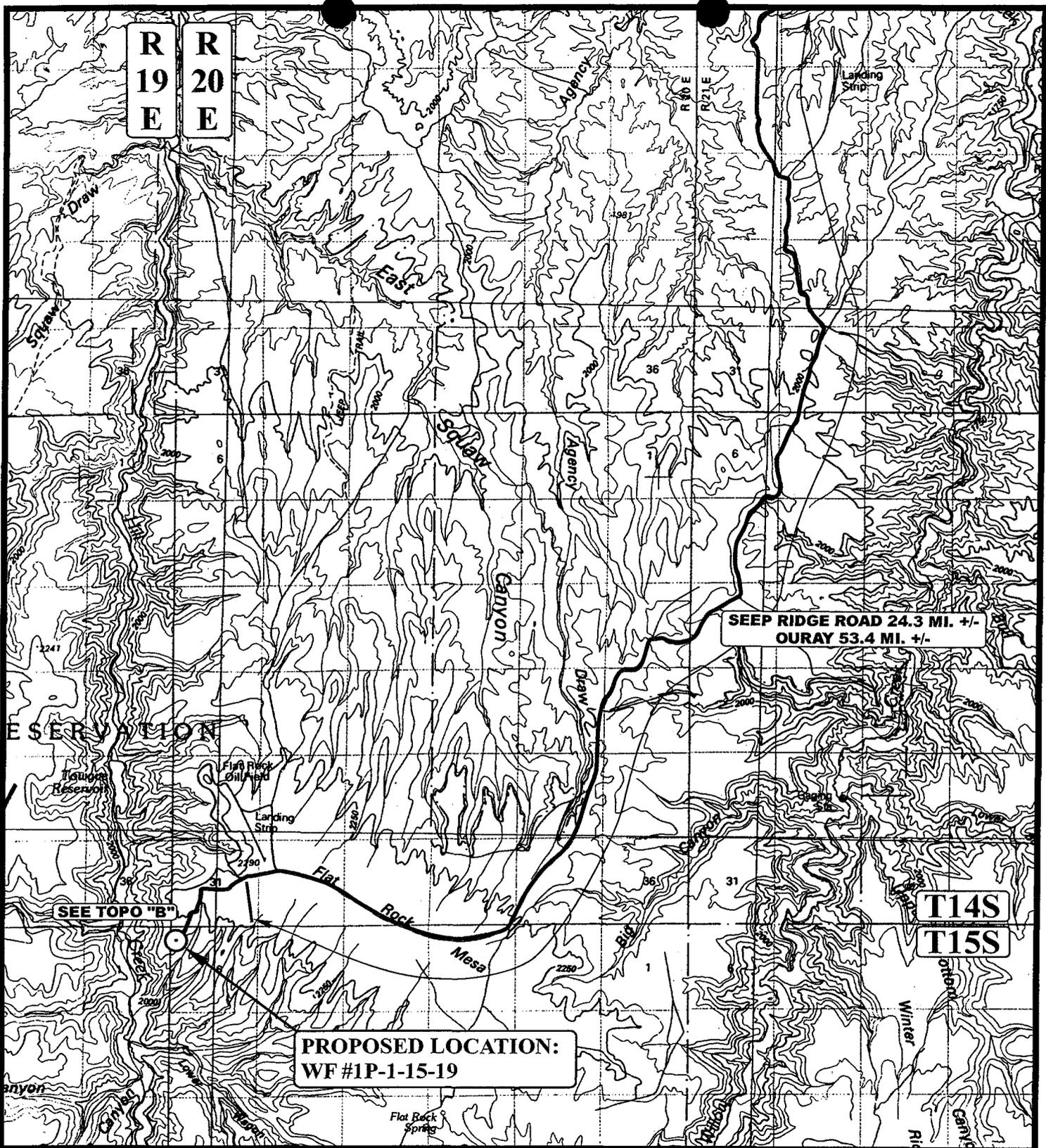
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 4,320 Cu. Yds.
Remaining Location	= 13,880 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 18,200 CU.YDS.</b>
<b>FILL</b>	<b>= 9,550 CU.YDS.</b>

EXCESS MATERIAL	= 8,650 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,790 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,860 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**LEGEND:**

⊙ PROPOSED LOCATION

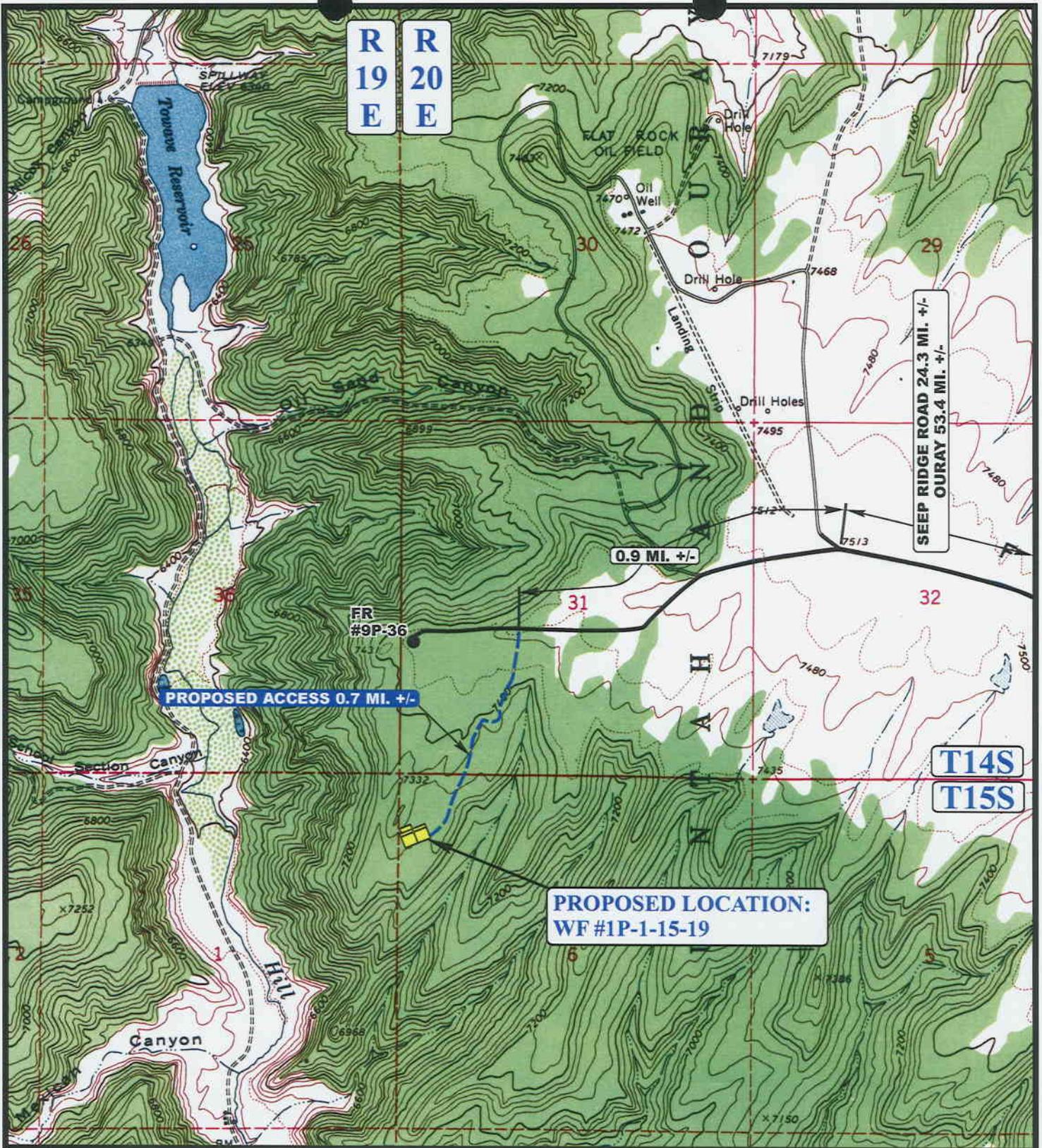


**QUESTAR EXPLR. & PROD.**

WF #1P-1-15-19  
 SECTION 6, T15S, R20E, S.L.B.&M.  
 878' FNL 213' FWL

**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 04 06 05  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 05-16-05C.P. **TOPO**



R  
19  
E

R  
20  
E

SEEP RIDGE ROAD 24.3 MI. +/-  
OURAY 53.4 MI. +/-

0.9 MI. +/-

PROPOSED ACCESS 0.7 MI. +/-

FR  
#9P-36

PROPOSED LOCATION:  
WF #1P-1-15-19

T14S  
T15S

**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

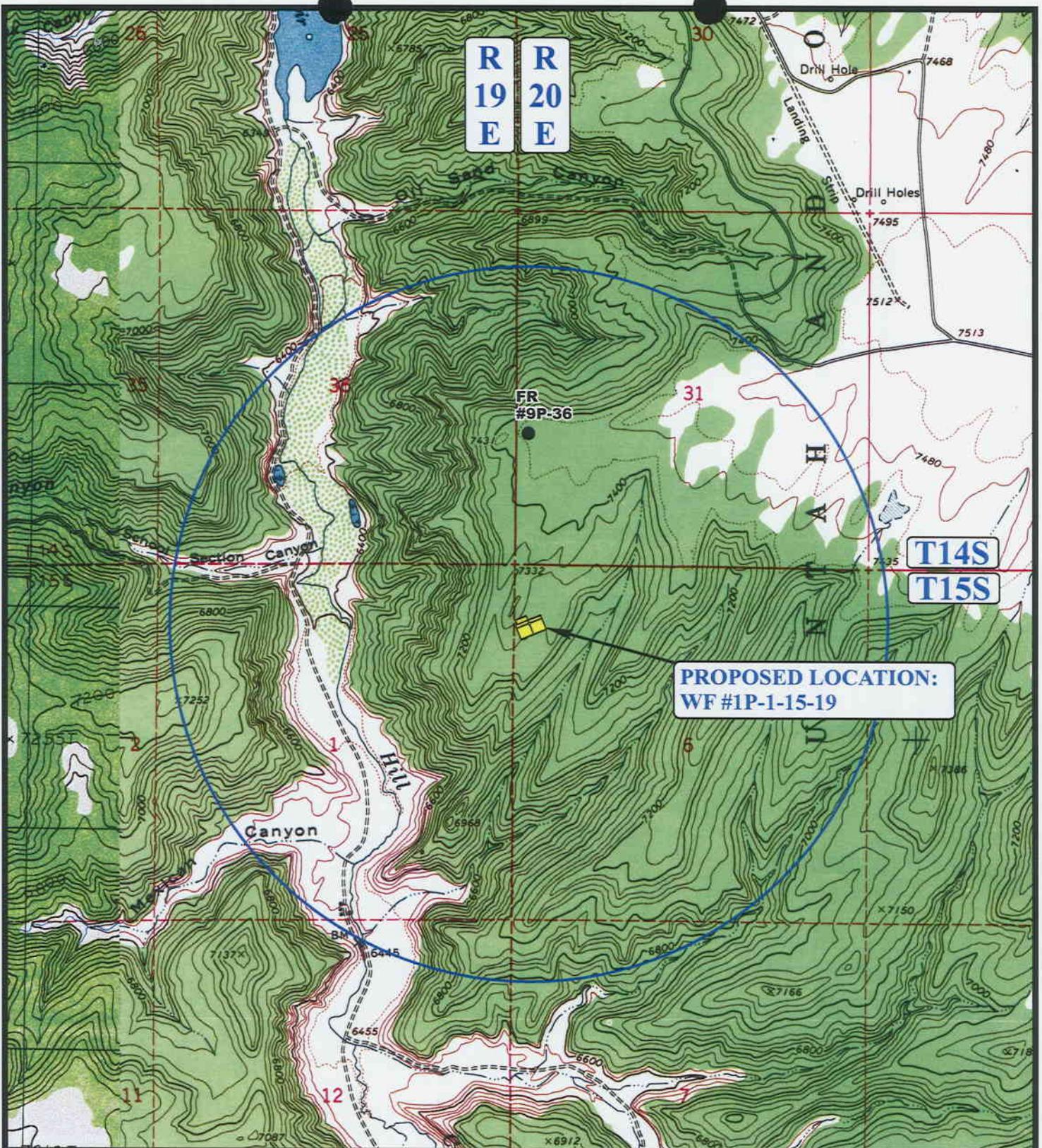


**QUESTAR EXPLR. & PROD.**

WF #1P-1-15-19  
SECTION 6, T15S, R20E, S.L.B.&M.  
878' FNL 213' FWL

**UEIS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 04 06 05  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 05-16-05C.P. **B TOPO**



R  
19  
E

R  
20  
E

T14S  
T15S

PROPOSED LOCATION:  
WF #1P-1-15-19

**LEGEND:**

- ◊ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ◊ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

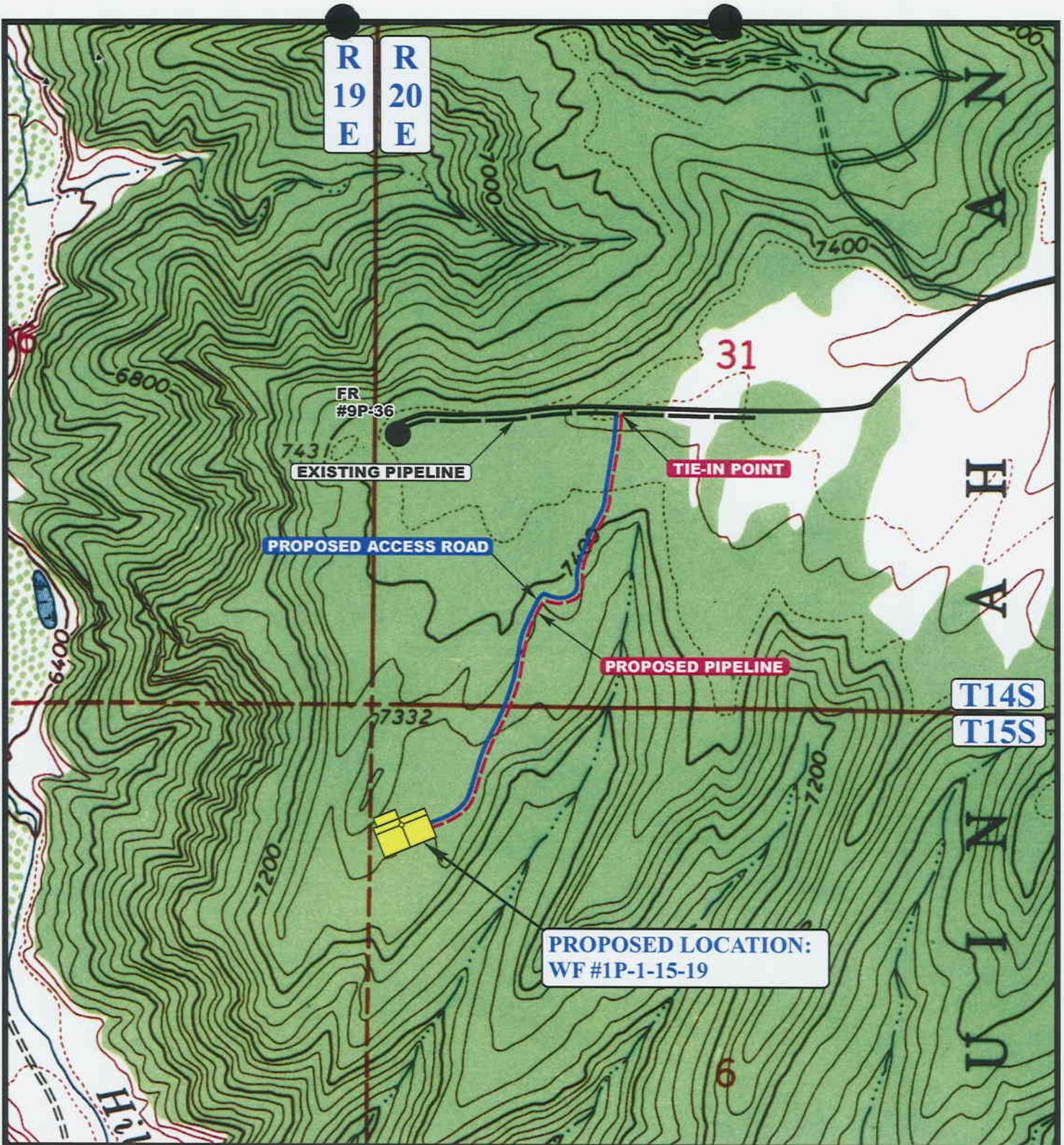
**QUESTAR EXPLR. & PROD.**

**WF #1P-1-15-19**  
**SECTION 6, T15S, R20E, S.L.B.&M.**  
**878' FNL 213' FWL**

**UEIS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 04 06 05  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 05-16-05C.P. **TOPO**





APPROXIMATE TOTAL PIPELINE DISTANCE = 3,600' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

**QUESTAR EXPLR. & PROD.**

WF #1P-1-15-19  
 SECTION 6, T15S, R20E, S.L.B.&M.  
 878' FNL 213' FWL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 04 06 05  
MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 05-16-05C.P.



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/10/2005

API NO. ASSIGNED: 43-047-36781

WELL NAME: WF 1P-1-15-19  
OPERATOR: QEP UINTA BASIN, INC. ( N2460 )  
CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

NWNW 06 150S 200E  
SURFACE: 0878 FNL 0213 FWL  
*NENE* BOTTOM: 0560 FNL 0560 FEL *Sec 1 R.19E*  
UINTAH  
UNDESIGNATED ( 2 )

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

LEASE TYPE: 2 - Indian  
LEASE NUMBER: 14-20-H62-5521  
SURFACE OWNER: 2 - Indian  
PROPOSED FORMATION: PRCAM  
COALBED METHANE WELL? NO

LATITUDE: 39.54632  
LONGITUDE: -109.7286

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. ESB000024 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-2183 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

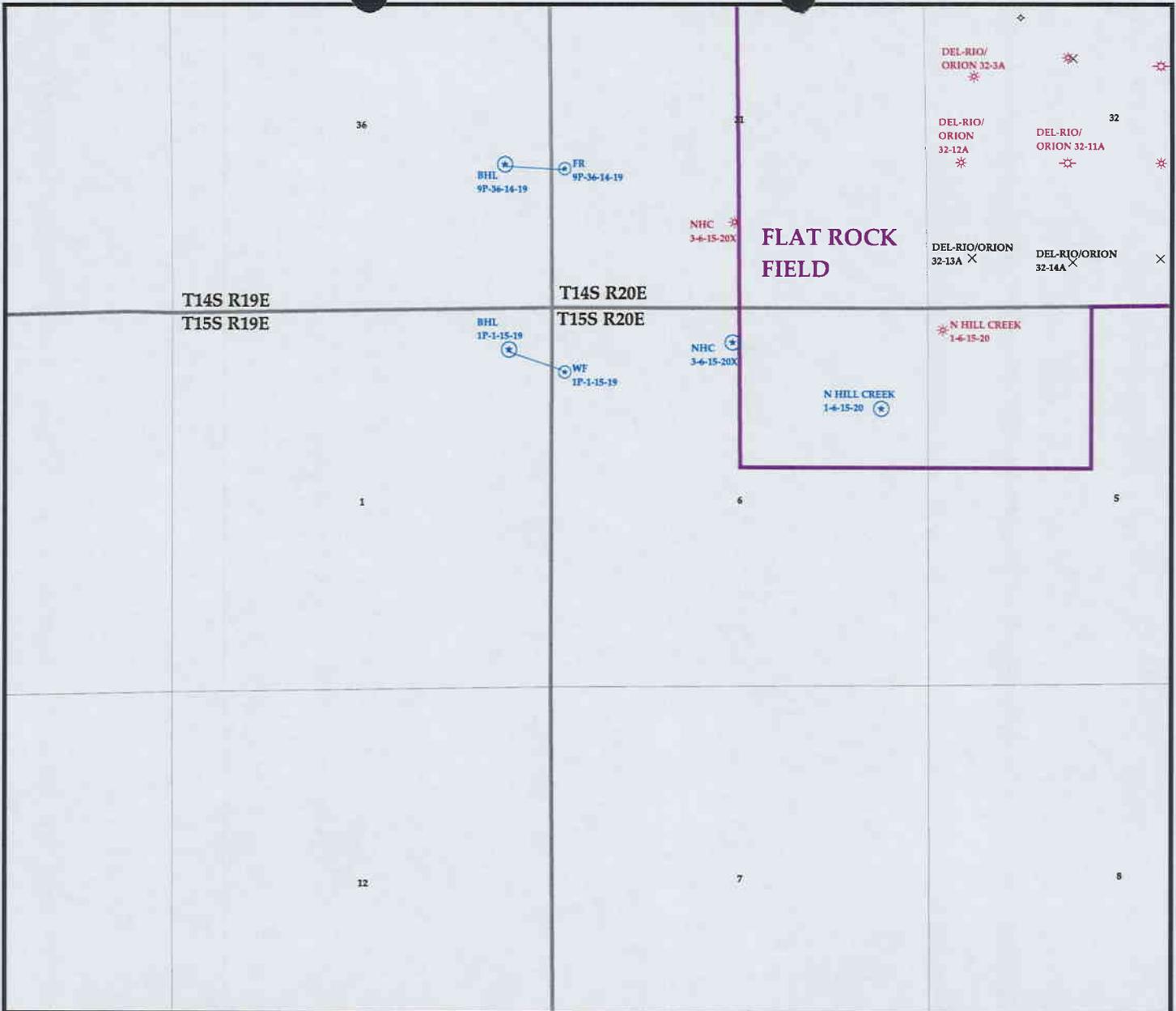
LOCATION AND SITING:

- 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*

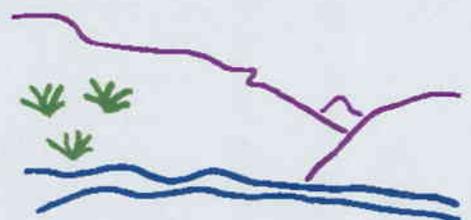
COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1- Federal Approval*  
*2- Spacing Stip*



**OPERATOR: QEP UINTA BASIN INC (N2460)**  
**SEC: 6 T. 15S R. 20E**  
**FIELD: UNDESIGNATED (002)**  
**COUNTY: UINTAH**  
**SPACING: R649-3-11 / DIRECTIONAL DRILLING**



*Utah Oil Gas and Mining*



PREPARED BY: DIANA WHITNEY  
 DATE: 14-JUNE-2005

Wells	Units.shp	Fields.shp
☆ GAS INJECTION	□ EXPLORATORY	□ ABANDONED
☆ GAS STORAGE	□ GAS STORAGE	□ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	□ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	□ INACTIVE
◇ PLUGGED & ABANDONED	□ PENDING	□ PROPOSED
* PRODUCING GAS	□ PI OIL	□ STORAGE
● PRODUCING OIL	□ PP GAS	□ TERMINATED
☆ SHUT-IN GAS	□ PP GEOTHERML	
☆ SHUT-IN OIL	□ PP OIL	
× TEMP. ABANDONED	□ SECONDARY	
○ TEST WELL	□ TERMINATED	
△ WATER INJECTION		
◆ WATER SUPPLY		
♣ WATER DISPOSAL		



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 14, 2005

QEP Uinta Basin, Inc.  
11002 E 1200 S  
Vernal, UT 84078

Re: Wolf Flat 1P-1-15-19 Well, Surface Location 878' FNL, 213' FWL, NW NW,  
Sec. 6, T. 15 South, R. 20 East, Bottom Location 560' FNL, 560' FEL, NE NE,  
Sec. 1, T. 15 South, R. 19 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36781.

Sincerely,

Gil Hunt  
Acting Associate Director

pab

Enclosures

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

Operator: QEP Uinta Basin. Inc.  
Well Name & Number Wolf Flat 1P-1-15-19  
API Number: 43-047-36781  
Lease: 14-20-H62-5521

Surface Location: NW NW      Sec. 6      T. 15 South      R. 20 East  
Bottom Location: NE NE      Sec. 1      T. 15 South      R. 19 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

Page 2

API #43-047-36781

June 14, 2005

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

FORM APPROVED  
OMB NO. 1040-0136  
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.  
WOLF FLAT EDA#14-20-H-62-5521

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
UTE TRIBAL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
WF 1P-1-15-19

9. API WELL NO.  
43104736781

10. FIELD AND POOL, OR WILDCAT  
Hill Creek Field

11. SEC., T, R, M, OR BLK & SURVEY OR AREA  
NWNW, SECTION 6 T15S, R20E, S.L.B.M.

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK  
DRILL  DEEPEN   
TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
QEP Uinta Basin, Inc.  
Contact: Jan Nelson  
E-Mail: jan.nelson@questar.com

3. ADDRESS  
11002 E. 17500 S. Vernal, Ut 84078  
Telephone number  
Phone 435-781-4331 Fax 435-781-4329

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements\*)  
At Surface 878' FNL 213' FWL NWNW, LOT 4, SECTION 6, T15S, R20E  
At proposed production zone 560' FNL 560' FEL NENE, SECTION 1, T15S, R19E lot 1

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE\*  
53 +/- miles Southwest of Ouray, Utah

12. COUNTY OR PARISH  
UINTAH  
13. STATE  
UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(also to nearest drig, unit line if any)  
560' +/-

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft  
3000' +/-

19. PROPOSED DEPTH  
12,700' TVD  
12,770' MD

20. BLM/BIA Bond No. on file  
BIA # 799446

21. ELEVATIONS (Show whether DF, RT, GR, ect.)  
7292' GR

22. DATE WORK WILL START  
ASAP

23. Estimated duration  
10 DAYS

24. Attachments

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

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

SIGNED Jan Nelson Name (Printed) Jan Nelson  
TITLE REGULATORY AFFAIRS ANALYST

8-Jun-05

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify the applicant holds any 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:

APPROVED BY [Signature] TITLE Assistant Field Manager Mineral Resources

DATE 06/23/2005

\*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes 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 mater within its jurisdiction

UDOGM

RECEIVED  
JUL 01 2005  
NOTICE OF APPROVAL  
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: QEP-Uinta Basin Inc.

Well Name & Number: WF 1P-1-15-19

API Number: 43-047-36781

Lease Number: 14-20-H62-5521

Location: Lot 4 Sec. 1 T. 15S R. 19E

Agreement: E&D Agreement

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Report ALL water shows and water-bearing sands to John Mayers of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

### Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **5M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil & Gas Order No. 2, regarding air or gas drilling shall be adhered to.

### Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

As a minimum requirement, the operator must bring the top of cement behind the production casing at least 200' above the intermediate casing shoe.

The well can not be perforated above 9000' without first obtaining approval for an exception location.

### Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to top of the 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 logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

### Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Written notification of such must be submitted to this office not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 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 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO

within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Other Information

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

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

QEP-Uinta Basin, Inc. (QEP) will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current Tribal Business License and have updated "Access Permits" prior to construction. All QEP personnel, contractors and subcontractors will have these permits in their vehicles at all times. Companies that have not complied with this COA will be in violation of the Ute Tribal Business License Ordinance, and will be subject to fines and penalties.

QEP employees, representatives, and/or authorized personnel (subcontractors) shall not carry firearms on their person or in their vehicles while working on the Uintah & Ouray Indian Reservation.

QEP employees and/or authorized personnel (subcontractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

QEP will notify the Ute Tribe and Bureau of Indian Affairs (BIA) in writing of any requested modification of APDs or Rights-Of-Way (ROW). QEP shall receive written notification of authorization or denial of the requested modification. Without authorization, QEP will be subject to fines and penalties.

The Ute Tribe Energy & Minerals Department shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday. A Tribal Technician is to routinely monitor construction. QEP shall make arrangements with the Ute Energy & Minerals Department for all monitoring that will exceed regular working hours for Tribal Technicians. A qualified archaeologist accompanied by a Tribal Technician will monitor any trenching construction of the pipeline.

A corridor ROW, 50 feet wide and 3,575 feet long, was granted for the pipeline and for the new access road. The constructed, travel width of the access roads will be limited to 18 feet. Upon authorization by the Ute Tribe Energy & Minerals Department, the ROW may be wider where sharp curves, deep cuts and fills occur; or, where intersections with other roads are required.

Culverts and diversion ditches will be placed and constructed where needed. Road base gravel will be used where sandy soils make roadways and the drilling location hazardous for access or drilling operations.

Upon completion of the pertinent APD and ROWs, QEP will notify the Ute Tribe Energy & Minerals Department for a Tribal Technician to verify the Affidavit of Completion.

Production waters, oil, and other byproducts shall not be placed on access roads or the well pad.

All vehicular traffic, personnel movement, construction and restoration operations will be confined to the areas examined and approved and to the existing roadways and/or evaluated access routes.

QEP will implement "Safety and Emergency Plan" and ensure plan compliance.

QEP shall stop construction activities and notify personnel from the Ute Tribe Energy & Minerals Department and BIA if cultural remains including paleontology resources (vertebrate fossils) are exposed or identified during construction. The Ute Tribe Department of Cultural Rights and Protection and the BIA will provide mitigation measures prior to allowing construction.

QEP employees and/or authorized personnel (subcontractors) will not be allowed to collect artifacts and paleontology fossils. No significant cultural resources shall be disturbed.

QEP will control noxious weeds on the well site and ROWs. QEP will be responsible for noxious weed control if weeds spread from the project area onto adjoining land.

Reserve pits will be lined with an impervious synthetic liner. A fence will be constructed around the reserve pit until it is backfilled. Prior to backfilling the reserve pit, all fluids will be pumped from the pit into trucks and hauled, to approved disposal sites. When the reserve pits are backfilled, the surplus oil and mud, etc., will be buried a minimum of 3 feet below the surface of the soil.

A closed system will be used during production. This means that production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites.

Surface pipelines will be constructed to lay on the soil surface. The pipeline portion of the ROW will not be bladed or cleared of vegetation without authorization of the BIA. Surface pipelines shall be welded in place at well sites or on access roads. They shall be pulled into place and assembled with suitable equipment. Vehicles shall not use pipeline ROWs as access roads unless specifically authorized.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface. After construction is completed the disturbed area shall be contoured to blend into the natural landscape and be reseeded between September 15 and November 1 of the year following construction with perennial vegetation seed mixture provided by the BIA or Ute Tribe.

Before the site is abandoned, QEP will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Soil erosion will be mitigated by reseeded all disturbed areas.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
**EDA #14-20-H62-5521**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**WOLF FLAT 1P 1-15-19**

9. API Well No.  
**43-047-36781**

10. Field and Pool, or Exploratory Area  
**HILL CREEK FIELD**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
 Well  Well  Other

2. Name of Operator  
**QEP, UINTA BASIN, INC.**

3. Address and Telephone No. Contact: **dahn.caldwell@questar.com**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **435-781-4342 Fax 435-781-4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SURFACE LOCATION: 878' FNL, 213' FWL, NWNW, SEC 6-T15S-R20E**  
**BOTTOM LOCATION: 560' FNL, 560' FEL, NENE, SEC 1-T15S-R19E**

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>SPUD</u>	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**On 7-11-05 - Spud WF 1P-1-15-19. Drilled 15' of 24" conductor hole. Ran 1 jt 15' of 20" conductor pipe. Cement w/ Ready Mix.**

RECEIVED  
JUL 29 2005

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
Signed **Dahn F. Caldwell** *Dahn F. Caldwell* **Office Administrator II** Date **7/26/2005**

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes 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.

**CONFIDENTIAL**

OPERATOR: **QEP Uinta Basin, Inc.**  
ADDRESS: **11002 East 17500 South**  
**Vernal, Utah 84078-8526**

**(435)781-4300**

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	14862	43-047-36781	WF 1P 1-15-19	NWNW	6	15S	20E	Uintah	7/11/2005	8/4/05

WELL 1 COMMENTS: The above information is on the Surface Location.  
The Bottom Location is NENE - Sec 1-T15S-R19E. *PRCAM*

CONFIDENTIAL

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

RECEIVED  
JUL 28 2005

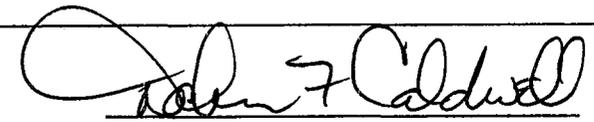
DIV. OF OIL, GAS & MINING

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

2/18/04  
Date

NOTE: Use COMMENT section to explain why each Action Code was selected



Signature

Office Administrator II

Title

7/26/05

Date

Phone No. **(435)781-4342**

CONFIDENTIAL

**WEEKLY OPERATIONS REPORT – August 18, 2005**

QEP

**UINTA BASIN**T15S R20E S-06  
43-047-36781**“Drilling Activity – Operated” 8-18-05**

- Patterson #51 – rig windowed out to Dominion for approximately 60-70 days.
- Caza #57 – rigging up on the Robbers Gulch #2 south of Wamsutter, WY.
- True 32 – WF 1P-1-15-19 drilling at 2,059 feet with aerated KCL water. PBTB 12,850'. Next well FR 1P-36-14-19. PBTB 13,000'.

**“Completions & New Wells to Sales” 8-18-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 2.565 mmcfpd w/ 822 psi FTP & 823 psi FCP; 33 BW & 6 BO. Curtailed due to QPC work.

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; currently flowing @ 2.783 mmcfpd @ 737 psi FCP on a 24/64" ck. w/ 375 BWPB & 3 BOPB (4313 BLLTR).

**WRU EIH 15ML-23-8-22:** (43.75% WI) Went to sales late on 8-11-05. Currently SI due to completion work on 16ML-23.

**WRU EIH 13ML-24-8-22:** (43.75% WI) Turn to sales late 8/18/05.

**WRU EIH 16ML-23-8-22:** (43.75% WI) Finish frac'ing 8/18/05

**WEEKLY OPERATIONS REPORT – August 25, 2005**

QEP

**UINTA BASIN**T15S R20E S-06  
43-042-36981**“Drilling Activity – Operated” 8-25-05**

- True 32 – WF 1P-1-15-19 currently waiting on cement. Drilled to intermediate casing point, 4,425', logged, ran 9-5/8" casing and cemented. PBSD 12,850'. Next well FR 1P-36-14-19. PBSD 13,000'.

**“Completions & New Wells to Sales” 8-26-05:**

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 3.753 mmcfpd w/ 442 psi FTP & 458 psi FCP.

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; currently flowing @ 1.461 mmcfpd @ 599 psi FCP on a 24/64" ck. w/ 260 BWPD & 5 BOPD (1885 BLLTR).

**WRU EIH 16ML-23-8-22:** (43.75% WI) Went to sales 8-23-05. Currently flowing 553 mcfpd on 18/64" choke, 1464 psi FTP, 1908 psi CP, 12 BOPD, 174 BWPD, 3529 BLLTR.

**WRU EIH 13ML-24-8-22:** (43.75% WI) Turn to sales late 8/18/05. Currently 1057 mcfpd on 23/64" ck, 379 psi FTP, 700 psi CP, 28 BOPD, 130 BWPD, 3469 BLLTR.

**EIHX 8MU-25-8-22:** (100% WI) Turn to sales 8-26-05, 3065 BLLTR.

**EIHX 2MU-36-8-22:** (100% WI) Turn to sales 8-26-05, 1375 BLLTR.

WEEKLY OPERATIONS REPORT – September 1, 2005

QEP

UINTA BASINT153 R20E S-06  
43-047-36781“Drilling Activity – Operated” 9-1-05

- True 32 – WF 1P-1-15-19 drilling at 6,900 feet. PBDT 12,850'. Next well FR 1P-36-14-19. PBDT 13,000'.

“Completions & New Wells to Sales” 9-1-05:

**FR 9P-36-14-19:** (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) to sales. Currently producing 3.097 mmcfpd w/ 407 psi FTP & 419 psi FCP.

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; currently flowing @ 1.527 mmcfpd @ 497 psi FCP on a 24/64" ck. w/ 215 BWPD & 5 BOPD (329 BLLTR).

**WRU EIH 16MU-25-8-22:** (100% WI) Will turn to sales 9-2-05. 3861 BLLTR.

**WRU EIH 14ML-24-8-22:** (43.75% Tw WI; 21.875% Kmv WI) Turn to sales 9-1-05. 5177 BLLTR.

**EIHX 8MU-25-8-22:** (100% WI) Went to sales 8-26-05; currently flowing @ 1.171 mmcfpd @ 542 psi FTP on a 20/64" ck., 1086 psi CP, w/ 125 BWPD & 3 BOPD (2366 BLLTR).

**EIHX 2MU-36-8-22:** (100% WI) Went to sales 8-26-05; currently flowing @ 1.156 mmcfpd @ 641 psi FTP on a 16/64" ck., 898 psi CP, w/ 54 BWPD & 3 BOPD (898 BLLTR).

**WEEKLY OPERATIONS REPORT – September 8, 2005**

QEP

**UINTA BASIN**TIES R20E S-06  
43-047-36781**“Drilling Activity – Operated” 9-8-05**

- True 32 – WF 1P-1-15-19 drilling at 9,275 feet. PBTD 12,850'. Next well FR 1P-36-14-19. PBTD 13,000'.

**“Completions & New Wells to Sales” 9-8-05:**

**GB 7M-28-8-21:** (77.5% WI) Went to sales 8-9-05; drilling plugs currently.

**SG 6ML-11-8-22:** (43.75% WI) NU 10K BOPs, fill casing w/ 2% KCl. Will run CBL & perforate first stage today.

**EIHX 4MU-36-8-22:** (100% WI) Screened out stage 2, 31,300 lb in formation. Perforated stage 3, couldn't break down. RIH w/ blank gun, tagged sand 300' high. RIH w/ bit, will clean out today.

**EIHX 3MU-36-8-22:** (100% WI) Drilled out plugs, cleaned out to PBTD. Landed tubing, NDBOPs, NUWH, well dead. Will swab today. 0 BLR, 120 bbl injected, 4075 BLLTR.

WEEKLY OPERATIONS REPORT – September 15, 2005

QEP

UINTA BASINT/59 R20E S-06  
43-049-36781“Drilling Activity – Operated” 9-15-05

- Patterson 52 – WV 12G-10-8-21 milled window from 5199' to 5208', dressed window, currently picking up BHA to start pilot hole. PBTB 7,913' MD. Next well WWT 7ML-24-8-24. PBTB 7,900'.
- True 32 – WF 1P-1-15-19 drilling at 10,581 feet. PBTB 12,850'. Next well FR 1P-36-14-19. PBTB 13,000'.

“Completions & New Wells to Sales” 9-15-05:

**SG 6ML-11-8-22:** (43.75% WI) Flowing 425 psi on 28/64” choke. 4885 BLLTR. Will go to sales 9/16/05.

**EIHX 4MU-36-8-22:** (100% WI) Waiting on frac crew, will frac 9/16/05.

**EIHX 3MU-36-8-22:** (100% WI) To sales 9/9/05. Currently flowing 1,608 mcfpd at 1,646 psi on 12/64” choke, 10 BOPD, 58 BWPD, 3277 BLLTR.

**Coy 12ML-24-8-24:** (43.75% WI) Frac'd 3 Mesa Verde & 3 Wasatch stages. Flowed 550 psi on 24/64” choke, 6650 BLLTR. Drilling out plugs. Still waiting on QGM ROW for pipeline.

**WEEKLY OPERATIONS REPORT – September 22, 2005**

QEP

**UINTA BASIN**TISS R20E S-06  
43-047-36781**“Drilling Activity – Operated” 9-22-05**

- Patterson 52 – WV 12G-10-8-21 sliding & building angle at 5,528' MD to get back into G-1 Lime. PBTB 7,913' MD. Next well WWT 7ML-24-8-24. PBTB 7,900'.
- True 32 – WF 1P-1-15-19 tripping for bit at 11,234 feet. PBTB 12,850'. Next well FR 1P-36-14-19. PBTB 13,000'.

**“Completions & New Wells to Sales” 9-22-05:**

**EIHX 4MU-36-8-22:** (100% WI) Flowing 1000 psi on 26/64" choke. 230 BLR, 2698 BLLTR. Will turn to production today.

**EIHX 1MU-36-8-22:** (100% WI) Frac'd MV & 1st Wasatch zone. Will frac last 2 Wasatch zones today.

**COY 12ML-24-8-24:** (43.75% WI) Frac'd 3 Mesa Verde & 3 Wasatch stages. Flowed 550 psi on 24/64" choke, 6650 BLLTR. Drilled out plugs. Still waiting on QGM ROW for pipeline. Set pkr @ 5461' & RBP @ 5690'. Made 40 swab runs for 176 bbls slight gas cut water, FER 22 bwph. 176 BLR, 1374 BLLTR. Will move tools today.

**WEEKLY OPERATIONS REPORT – September 30, 2005**

QEP

**UINTA BASIN**T155 R20E S-06  
43-047-36781**“Drilling Activity – Operated” 9-30-05**

- Patterson 52 – WV 12G-10-8-21 setting second packer to shut off water flow. TD was 6640' MD and plug back will be around 6300' MD after setting 2<sup>nd</sup> and 3<sup>rd</sup> packers. Next well WV 15G-3-8-21 re-entry horizontal. PBTD 9,170' MD.
- True 32 – WF 1P-1-15-19 drilling at 12,187 feet. PBTD 12,850'. Next well FR 1P-36-14-19. PBTD 13,000'.

**“Completions & New Wells to Sales” 9-29-05:**

**EIHX 1MU-36-8-22:** (100% WI) To sales 9/27/05. Currently flowing 1425 mcf, 28 bwpd, 1926 psi on 10/64" choke.

**COY 12ML-24-8-24:** (43.75% WI) Wasatch & top Mesa Verde zones tested wet. Flow testing 6966'-7532'. FTP 175 psi on 32/64" choke, slight gas show, 11 BWPH. Will flow test over weekend.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
**WOLF FLAT EDA #  
14-20-H-62-5521**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**WF IP-1-15-19**

9. API Well No.  
**43-047-36781**

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

11. County or Parish, State  
**UINTAH, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
Well  Well  Other

2. Name of Operator  
**QEP UINTA BASIN, INC.**

3. Address and Telephone No.  
**11002 E. 17500 S. VERNAL, UT 84078-8526 (435)781-4331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**878' FNL 213' FWL NWNW, LOT 4, SECTION 6, T15S, R20E (SURFACE)  
560' FNL 560' FEL, NENE, SECTION 1, T15S, R19E (BOTTOM HOLE)**

**CONFIDENTIAL**

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Footage Change</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
**QEP Uinta Basin, Inc. has changed the bottom hole footages from what was originally approved 560' FNL 560' FEL [REDACTED] FNL 600' FEL.**

Please see attachments .

608983X  
43780304  
39.546917  
-109.731641

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

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

Federal Approval of this  
Action is Necessary

Date: 10-03-05  
By: [Signature]

**COPY SENT TO OPERATOR**  
Date: 10-11-05  
Initials: CHD

14. I hereby certify that the foregoing is true and correct.  
Signed Jan Nelson Title Regulatory Affairs Date September 26, 2005

(This space for Federal or State office use)  
Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes 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.

**RECEIVED**

\*See instruction on Reverse Side

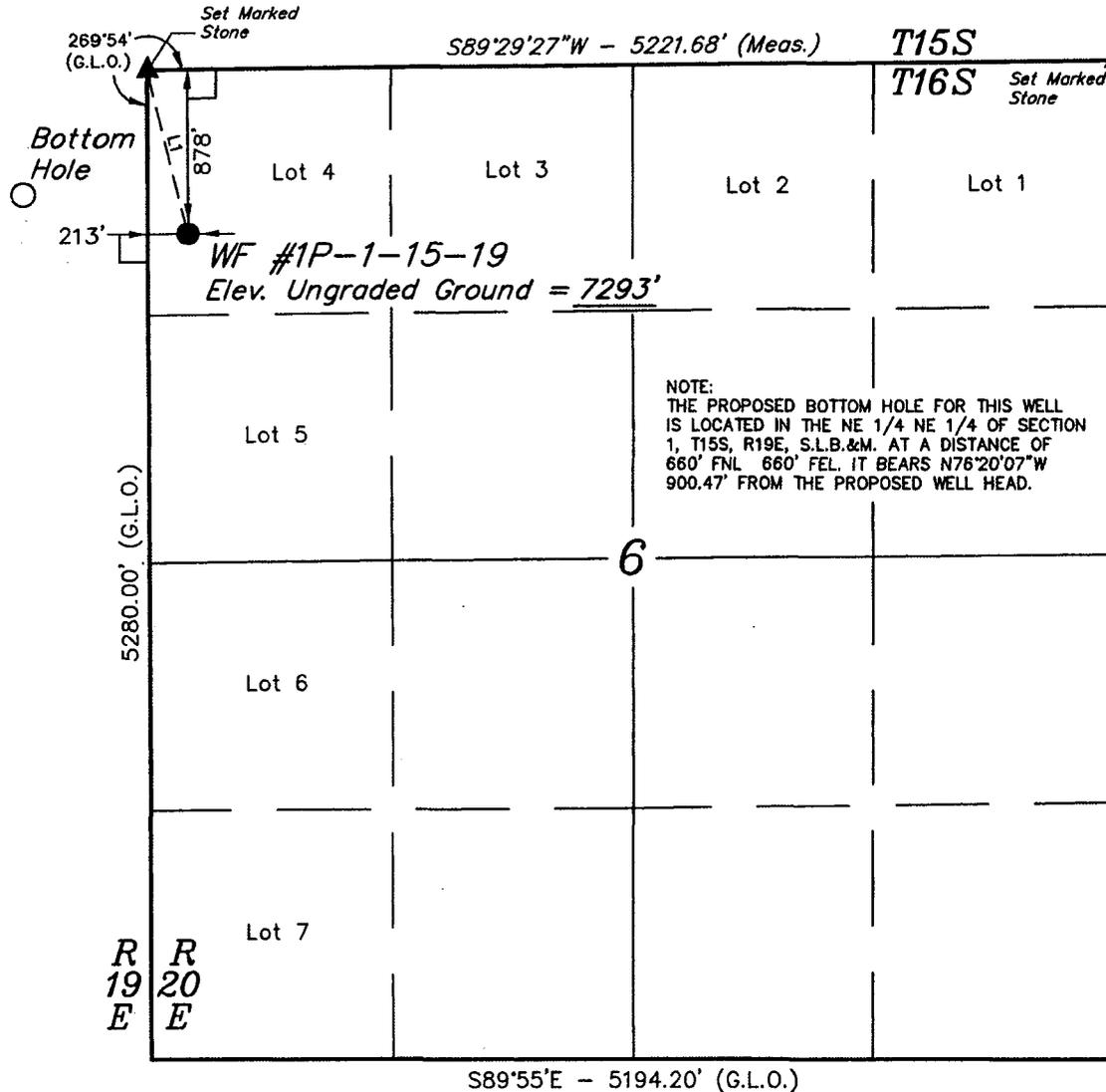
**SEP 30 2005**

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

T15S, R20E, S.L.B.&M.

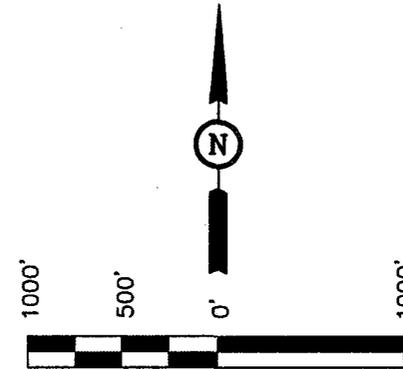
QUESTAR EXPLORATION & PROD.

Well location, WF #1P-1-15-19, located as shown in the NW 1/4 NW 1/4 (Lot 4) of Section 6, T15S, R20E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

BENCH MARK (59 WF) LOCATED IN THE NW 1/4 OF SECTION 10, T15S, R20E, S.L.B.&M. TAKEN FROM THE FLAT ROCK MESA QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7449 FEET.



SCALE

CERTIFICATE

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

*Robert H. Kay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

Revised: 9-14-05  
Revised: 5-13-05  
Revised: 4-12-05

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S14°04'48"E	903.07'

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)  
LATITUDE = 39°32'46.29" (39.546192)  
LONGITUDE = 109°43'45.48" (109.729300)  
(AUTONOMOUS NAD 27)  
LATITUDE = 39°32'46.42" (39.546228)  
LONGITUDE = 109°43'42.99" (109.728608)

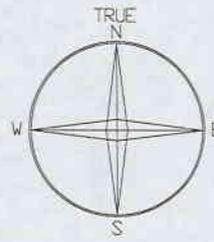
LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

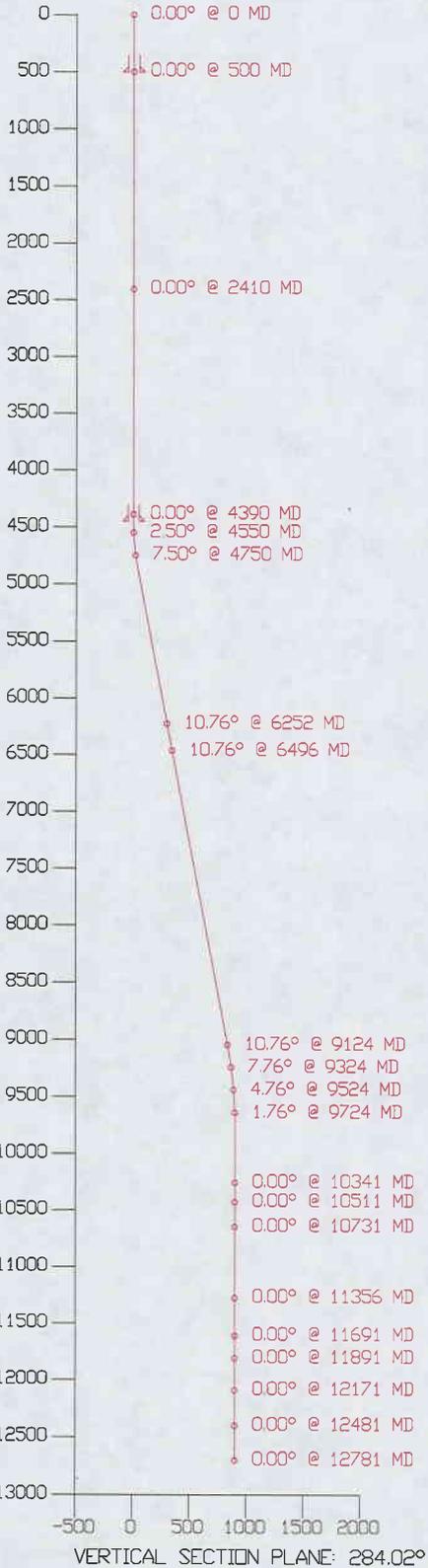
UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-5-05	DATE DRAWN: 4-6-05
PARTY G.O. B.C. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLORATION & PROD.	

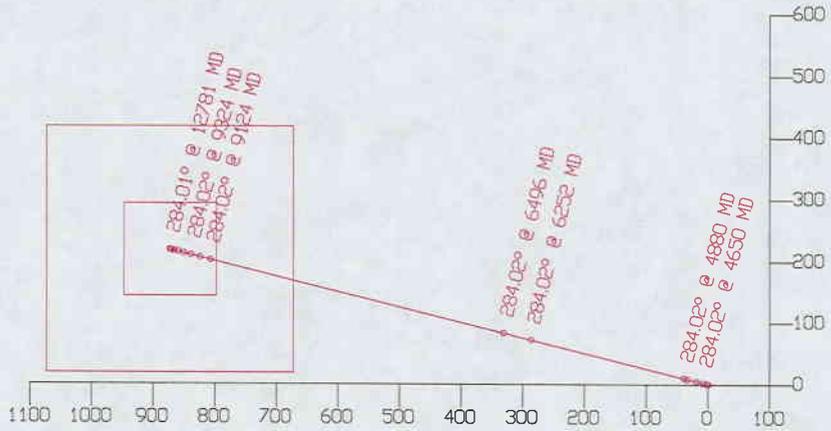
Questar Exploration & Production  
 WF #1P-1-15-19  
 SEC. 1, T15S, R19E  
 Uintah Co., UT  
 Wellplan-WF #1P-1-15-19



VERTICAL VIEW  
 SCALE 500 ft. / DIVISION  
 TVD REF: WELLHEAD  
 VERTICAL SECTION REF: WELLHEAD



HORIZONTAL VIEW  
 SCALE 100 ft. / DIVISION  
 SURVEY REF: WELLHEAD



CRITICAL POINT DATA						
	MD	Incl	Azi	TVD	N/S	E/W
TIE-IN	0	0.00°	284.02°	0	0	0
1 3/8" CASING	500	0.00°	284.02°	500	0	0
WASATCH	2410	0.00°	284.02°	2410	0	0
MESAVERDE	4390	0.00°	284.02°	4390	0	0
KOP / START OF BUILD @ 2 5/8" / 100 ft / 9 5/8" CASING	4450	0.00°	284.02°	4450	0	0
END OF BUILD	4880	10.76°	284.02°	4878	10 N	39 W
CASTLEGATE	6252	10.76°	284.02°	6225	72 N	287 W
MANCOS	6496	10.76°	284.02°	6465	83 N	332 W
START OF CURVE @ 1.50" / 100 ft	9124	10.76°	284.02°	9047	202 N	808 W
TARGET #1 - 500' ABOVE DAKOTA S	9841	0.00°	284.01°	9760	218 N	873 W
DAKOTA SILT	10341	0.00°	284.01°	10260	100 N	873 W
DAKOTA FM	10441	0.00°	284.01°	10360	100 N	873 W
CEDAR MOUNTAIN	10511	0.00°	284.01°	10430	100 N	873 W
MORRISON FM	10731	0.00°	284.01°	10650	100 N	873 W
CURTIS FM	11356	0.00°	284.01°	11275	100 N	873 W
ENTRADA	11426	0.00°	284.01°	11345	100 N	873 W
CARMEL	11691	0.00°	284.01°	11610	100 N	873 W
KAYENTA	11771	0.00°	284.01°	11690	100 N	873 W
WINGATE	11891	0.00°	284.01°	11810	100 N	873 W
CHINLE	12171	0.00°	284.01°	12090	100 N	873 W
SHINARUMP	12481	0.00°	284.01°	12400	100 N	873 W
PRE-CAMBRIAN	12581	0.00°	284.01°	12500	100 N	873 W
TD	12781	0.00°	284.01°	12700	100 N	873 W

Proposal Report

Date: 8/22/2005  
 Time: 2:21 pm  
 Wellpath ID: WP2-WF #1P-1-15-19  
 Last Revision: 8/22/2005

Calculated using the Minimum Curvature Method  
 Computed using PDS VER2.2.6  
 Vertical Section Plane: 284.02 deg.

Survey Reference: WELLHEAD  
 Vertical Section Reference: WELLHEAD  
 Closure Reference: WELLHEAD  
 TVD Reference: WELLHEAD

Questar Exploration & Production  
 WF #1P-1-15-19  
 SEC. 1, T15S, R19E  
 Uintah Co., UT  
 Wellplan-WF #1P-1-15-19

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
TIE IN										
0.00	0.00	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
13 3/8" CASING										
500.00	0.00	0.00	500.00	500.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
WASATCH										
2410.00	0.00	0.00	2410.00	1910.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
MESAVERDE										
4390.00	0.00	0.00	4390.00	1980.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
KOP / START OF BUILD @ 2.50 deg/100 ft / 9 5/8" CASING										
4450.00	0.00	0.00	4450.00	60.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
4550.00	2.50	284.02	4549.97	100.00	2.18	0.53 N	2.12 W	2.18@	284.02	2.50
4650.00	5.00	284.02	4649.75	100.00	8.72	2.11 N	8.46 W	8.72@	284.02	2.50
4750.00	7.50	284.02	4749.14	100.00	19.61	4.75 N	19.02 W	19.61@	284.02	2.50
4850.00	10.00	284.02	4847.97	100.00	34.82	8.44 N	33.78 W	34.82@	284.02	2.50
END OF BUILD										
4880.45	10.76	284.02	4877.92	30.45	40.30	9.76 N	39.10 W	40.30@	284.02	2.50
CASTLEGATE										
6251.64	10.76	284.02	6225.00	1371.19	296.33	71.79 N	287.50 W	296.33@	284.02	0.00
MANCOS										
6495.94	10.76	284.02	6465.00	244.30	341.94	82.84 N	331.75 W	341.94@	284.02	0.00
START OF CURVE @ 1.50 deg/100 ft										
9123.95	10.76	284.02	9046.80	2628.01	832.63	201.73 N	807.83 W	832.63@	284.02	0.00
9223.95	9.26	284.02	9145.27	100.00	850.02	205.94 N	824.69 W	850.02@	284.02	1.50
9323.95	7.76	284.02	9244.17	100.00	864.82	209.52 N	839.05 W	864.82@	284.02	1.50
9423.95	6.26	284.02	9343.42	100.00	877.02	212.48 N	850.89 W	877.02@	284.02	1.50
9523.95	4.76	284.02	9442.95	100.00	886.63	214.81 N	860.21 W	886.63@	284.02	1.50
9623.95	3.26	284.02	9542.70	100.00	893.62	216.50 N	867.00 W	893.62@	284.02	1.50
9723.95	1.76	284.02	9642.61	100.00	898.00	217.56 N	871.25 W	898.00@	284.02	1.50
9823.95	0.26	284.01	9742.59	100.00	899.77	217.99 N	872.96 W	899.77@	284.02	1.50
TARGET #1 - 500' ABOVE DAKOTA Si										
9841.36	0.00	0.00	9760.00	17.41	899.81	218.00 N	873.00 W	899.81@	284.02	1.50
DAKOTA SILT										
10341.36	0.00	0.00	10260.00	500.00	899.81	218.00 N	873.00 W	899.81@	284.02	0.00
DAKOTA FM										
10441.36	0.00	0.00	10360.00	100.00	899.81	218.00 N	873.00 W	899.81@	284.02	0.00
CEDAR MOUNTAIN										
10511.36	0.00	0.00	10430.00	70.00	899.81	218.00 N	873.00 W	899.81@	284.02	0.00
MORRISON FM										

# PathFinder Energy Services

## Proposal Report

Page 2

Date: 8/22/2005

Wellpath ID: WP2-WF #1P-1-15-19

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist. (ft)	Dir. (deg.)	
10731.36	0.00	0.00	10650.00	220.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
CURTIS FM 11356.36	0.00	0.00	11275.00	625.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
ENTRADA 11426.36	0.00	0.00	11345.00	70.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
CARMEL 11691.36	0.00	0.00	11610.00	265.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
KAYENTA 11771.36	0.00	0.00	11690.00	80.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
WINGATE 11891.36	0.00	0.00	11810.00	120.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
CHINLE 12171.36	0.00	0.00	12090.00	280.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
SHINARUMP 12481.36	0.00	0.00	12400.00	310.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
PRE-CAMBRIAN 12581.36	0.00	0.00	12500.00	100.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	
TD 12781.36	0.00	0.00	12700.00	200.00	899.81	218.00 N	873.00 W	899.81 @ 284.02	0.00	

**WEEKLY OPERATIONS REPORT – October 6, 2005**

QEP

**UINTA BASIN**T15S R20E S06  
43-047-3678**“Drilling Activity – Operated” 10-6-05**

- Patterson 52 – WV 15G-3-8-21 picking up directional tools. Cleaned out, set whipstock, milled and dressed window. PBDT 9,170' MD. Next well (probably) SSU 8G-9-8-21 grass roots horizontal. PBDT 8,315' MD. The WWT 7ML-24-8-24 does not look good based on the completion work on the COY well, probably won't be drilled.
- True 32 – WF 1P-1-15-19 drilling at 12,375 feet. PBDT 12,850', TD may be extended to 13,000'+. Next well FR 1P-36-14-19. PBDT 13,000'.

**“Completions & New Wells to Sales” 10-6-05:**

**COY 12ML-24-8-24:** (43.75% WI) Wasatch & top Mesa Verde zones tested wet; LMV tested at only 20 psi; LGR had just a skim of oil post breakdown; moving up to Qu6 (GR) today.

**WV 12G-10-8-21:** (100% WI) MIRU; will bring SI gas well back on 1<sup>st</sup>; and then proceed w/ Hz completion.

WEEKLY OPERATIONS REPORT – October 13, 2005

QEP

UINTA BASINT155 R20E S-06  
43-049-36981“Drilling Activity – Operated” 10-13-05

- Patterson 52 – WV 15G-3-8-21 drilling build section at 5,781 feet. End of build should be 5,832' in zone. PBTB 9,170' MD. Next well (probably) SSU 8G-9-8-21 grass roots horizontal. PBTB 8,315' MD. The WWT 7ML-24-8-24 is looking better in the last zone and may be drilled. Depending on the timing of Rig 51 coming back, either Rig 51 or Rig 52 will go there.
- True 32 – WF 1P-1-15-19 drilling at 12,980 feet. PBTB 30' into basement. Next well FR 1P-36-14-19. PBTB 13,000'.

“Completions & New Wells to Sales” 10-13-05:

**COY 12ML-24-8-24:** (43.75% WI) Wasatch & top Mesa Verde zones tested wet; LMV tested at only 20 psi; LGR had just a skim of oil post breakdown; moved up to Qu6 (GR); acidized; post acid oil cut was 95%; entry rate was < 0.25 BFPH on hourly swab runs Weds.; frac. date is 10/18.

**WV 12G-10-8-21:** (100% WI) MIRU; drilled BP and RIH w/ tbg. and swabbed in SI gas well on this location; rig moved today to Hz oil well completion.

**GB 7M-28-8-21:** (77.5% WI) Frac date set up for 10/19 to frac LMV stages.

WEEKLY OPERATIONS REPORT – October 20, 2005

BEP

UINTA BASINT153 R20E S06  
43-042-36781“Drilling Activity – Operated” 10-20-05

- Patterson 52 – WV 15G-3-8-21 drill pipe stuck at 8,132', 30' off bottom. Pumped 65 bbls lease crude and letting it soak 24+ hours trying to move pipe every 15 minutes. PBTd 8,162' MD. Next well SSU 8G-9-8-21 grass roots horizontal. PBTd 8,315' MD. The WWT 7ML-24-8-24 will be drilled as a Green River test only at this time. Depending on the timing of Rig 51 coming back (should be in the next 2-3 days), either Rig 51 or Rig 52 will go there.
- True 32 – WF 1P-1-15-19 TD at 13,050 feet. Ran casing, cemented, rig released at 4:00 PM 10/19. Rig down for move. Next well FR 1P-36-14-19. PBTd 13,000'.

“Completions & New Wells to Sales” 10-20-05:

**COY 12ML-24-8-24:** (43.75% WI) Frac'd Qu6 (GR) on 10/18; swabbing currently; 40% oil cut w/ 120 bbls. rec & 370 BLLTR; last entry rate was 1 BFPH; will be running rods and pump Friday; crane is avail. Sunday to MI pumping unit.

**WV 12G-10-8-21:** (100% WI) TIH w/ workstring to toe, no obstructions; acid job pumped to completion today (20,000 gal. 15% HCl).

**GB 7M-28-8-21:** (77.5% WI) 2 LMV frags. done (150 Mlbs. Econoprop each), 2,475 psi FCP on a 12/64" this a.m.; 40 BWPH; 380 bbls. rec.; 3000+ BLLTR; lubed in comp. BP this a.m. to TIH and drill out plugs today.

**WEEKLY OPERATIONS REPORT – October 27, 2005**

QEP

**UINTA BASIN**T15S R 20E S-06  
43-047-36781**“Drilling Activity – Operated” 10-27-05**

- Patterson 51 – WWT 7ML-24-8-24. Reached TD of 4,365'. Rigging up loggers. Will log and then run 7" casing. Next well: SC 12ML-16-10-23.
- Patterson 52 – SSU 8G-9-8-21. Drilling at 2,469'. This is a grassroots horizontal well.
- True 32 – FR 1P-36-14-19. Rigging up. Anticipate spudding this weekend.
- Caza 24 – GB 16D-28-8-21. Rigging up. Anticipate spudding this weekend

**“Completions & New Wells to Sales” 10-27-05:**

**COY 12ML-24-8-24:** (25% WI) Frac'd Qu6 (GR) on 10/18; started PU on 10/25; poss. downhole pump problems; moving WO rig back on today.

**GB 7M-28-8-21:** (77.5% WI) 2 LMV frags. done (150 Mlbs. Econoprop each); went back to sales (all zones) 10/23; currently flowing 1252 mcfpd @ 930 psi FTP & 1810 psi CP on a 24/64" ck. w/ 13 BOPD & 195 BWPD.

**WV 12G-10-8-21:** (100% WI) Start flowing to Battery #5 today to deplete water.

**WV 15G-3-8-21:** (100% WI) MIRU late Weds.; will have to mill over CIBP first (not the desired plug).

**WV 14M-11-8-21:** (100% WI) Firing propellant sticks across Blackhawk & 2 LMV intervals today.

**WF 1P-1-15-19:** (50% WI) pipeline should be completed by the end of this week; surface facilities next week (2 crews working on it).

WEEKLY OPERATIONS REPORT – November 3, 2005

QEP

UINTA BASIN+ 15S R20E S-06  
43-047-36781“Drilling Activity – Operated” 11-3-05

- Ensign 24 – GB 16D-28-8-21 drilling at 1,617 feet. Spud well at 01:30 11/2/05. PBTB 16,600'. Next well GB 4M-28-8-21. PBTB 12,850'.
- Patterson 51 – SC 12ML-16-10-23 drilling at 3,138 feet. Spud well at 22:00 11/2/05. PBTB 7,600'. Next well SC 14ML-16-10-23. PBTB 7,570'.
- Patterson 52 – SSU 8G-9-8-21 drilling at 5,380 feet building angle at 46.7 degrees. PBTB 9,320'. Next well is unknown at this time.
- True 32 – FR 1P-36-14-19 drilling at 3,880 feet. PBTB 13,125'. Next well Wolf Flat Option well.

“Completions & New Wells to Sales” 11-3-05:

**GB 7M-28-8-21:** (77.5% WI) 2 LMV fracs. done (150 Mlbs. Econoprop each); went back to sales (all zones) 10/23; currently flowing 1284 mcfpd @ 701 psi FTP & 1280 psi CP on a 24/64” ck. w/ 25 BOPD & 192 BWPD.

**COY 12ML-24-8-24:** (25% WI) Frac'd Qu6 (GR) on 10/18; started PU on 10/25; 20 BOPD; no gas or water currently.

**WV 12G-10-8-21:** (100% WI) Start flowing to Battery #5 10/27 to deplete water from reservoir; 44 BOPD; 0 mcf & 423 BWPD currently.

**WV 15G-3-8-21:** (100% WI) While washing over/fishing CIBP, it has moved into lateral 365'; cannot push to toe; currently RIH w/ washover shoe/grapple today.

**WF 1P-1-15-19:** (50% WI) MIRU Friday.

WEEKLY OPERATIONS REPORT – November 10, 2005

CONFIDENTIAL

QEP

UINTA BASIN

T 155 R 20E S-06  
43-047-36781

“Drilling Activity – Operated” 11-10-05

- Ensign 24 – GB 16D-28-8-21 drilling at 5,629 feet. PBTD 16,600'. Next well GB 4M-28-8-21. PBTD 12,850'.
- Patterson 51 – SC 12ML-16-10-23 ran and cemented production casing at 7,640'. Rig released 1300 hours 11/9/05. Reading rig for move to SC 14ML-16-10-23. PBTD 7,570'.
- Patterson 52 – SSU 8G-9-8-21 landed in G-1 Lime, ran and cemented 7" casing at 6,023'. Currently converting rig to slim hole equipment. PBTD 9,320'. Next well is unknown at this time, probably RW 01-36BG grass roots horizontal.
- True 32 – FR 1P-36-14-19 drilling at 5,035 feet. PBTD 13,125'. Next well Wolf Flat Option well.

“Completions & New Wells to Sales” 11-10-05:

**WV 15G-3-8-21:** (100% WI) CIBP pushed to “toe”; acidize w/ 30,000 gal.; TIH w/ prod. tbg.; swabbed/flowed 280 bbls. today; 25% oil cut; 1/3 load left to rec.; sand line parted; will fish and then run rods and pump.

**WF 1P-1-15-19:** (50% WI) MIRU last Friday; TIH w/ bit and scraper to PBTD; TIH w/ pkr & RBP to check ability to get thru all zones today; W/L work (CBL and perf'ing Wingate) will be Sat. or Mon.

**SC 12ML-16-10-23:** (100% WI) Starting production facilities/flowline.

**WEEKLY OPERATIONS REPORT – November 17, 2005**

QEP

**UINTA BASIN**

T155 R20E S-06

43-047-36981

**“Drilling Activity – Operated” 11-10-05**

- Ensign 24 – GB 16D-28-8-21 drilling at 7,756 feet. PBTB 16,600'. Next well GB 4M-28-8-21. PBTB 12,850'.
- Patterson 51 – SC 14ML-16-10-23 drilling at 6,780'. PBTB 7,625'. Next well is the SC 5ML-16-10-23.
- Patterson 52 – SSU 8G-9-8-21 drilling the horizontal section (2000'+ drilled so far). PBTB 9,000'+/-. The next well is the RW 01-36BG grass roots horizontal.
- True 32 – FR 1P-36-14-19 drilling at 6,482 feet. PBTB 13,125'. Next well Wolf Flat Option well or move to Vermillion.

**“Completions & New Wells to Sales” 11-17-05:**

**WV 15G-3-8-21:** (100% WI) Ran rods & pump; crane on location today to set PU.

**WF 1P-1-15-19:** (50% WI) Perf'd Wingates and acidized; swabbing load back; should have load recovered by today and then will be able to confirm zones are dry and get a natural rate pre-frac.

**SC 12ML-16-10-23:** (100% WI) Production facilities/flowline will be finished 11/21.

**WEEKLY OPERATIONS REPORT – December 1, 2005**

QEP

**UINTA BASIN**T155 R20E S-06  
43-049-36781**“Drilling Activity – Operated” 12-1-05**

- Ensign 24 – GB 16D-28-8-21 at ICP, 10,302 feet, ran and cemented intermediate casing. Changing out equipment for slim hole pipe. Should drill out early tomorrow. PBTD 16,600'. Next well GB 4M-28-8-21. PBTD 12,850'.
- Patterson 51 – NBE 14ML-17-9-23 move in, rigging up. PBTD 9,340'. Next well is the NBE 5ML-17-9-23, directional. PTD 9,320'.
- Patterson 52 – RW 01-36BG drilling out 5<sup>th</sup> cement plug at 3045 feet, set to control loss circulation. PBTD 7,467'+/-. The next well is the GHU 4 re-entry horizontal.
- True 32 – FR 1P-36-14-19 circulating at 9,956 feet waiting on technician to repair brakes. PBTD 13,125'. Next well Wolf Flat Option well or move to Vermillion.

**“Completions & New Wells to Sales” 11-17-05:**

**WV 15G-3-8-21:** (100% WI) Ran rods & pump; crane on location today to set PU.

**WF 1P-1-15-19:** (50% WI) Perf'd Wingates and acidized; swabbing load back; should have load recovered by today and then will be able to confirm zones are dry and get a natural rate pre-frac.

**SC 12ML-16-10-23:** (100% WI) Production facilities/flowline will be finished 11/21.

**WEEKLY OPERATIONS REPORT – December 8, 2005**

REP

**UINTA BASIN**T155 R20E S-06  
43-049-36781**“Drilling Activity – Operated” 12-8-05**

- Ensign 24 – GB 16D-28-8-21 fishing parted drill string at 10,760 feet. PBTD 16,600'. Next well GB 4M-28-8-21. PBTD 12,850'.
- Patterson 51 – NBE 14ML-17-9-23 drilling at 8,095 feet. PBTD 9,340'. Next well is the NBE 5ML-17-9-23, directional. PTD 9,320'.
- Patterson 52 – RW 01-36BG building angle at 4,857'. PBTD 7,467'+/-. The next well is the GHU 4 re-entry horizontal.
- True 32 – FR 1P-36-14-19 circulating for intermediate casing at 10,434 feet. PBTD 13,125'. Next well Wolf Flat Option well or move to Vermillion.

**“Completions & New Wells to Sales” 12-8-05:**

**WF 1P-1-15-19:** (50% WI) Drilled out last frac plug at 12,000'. Continue in hole, tag fill at 12,350' (below perms). Pull up, land tubing with F-Nipple at 11,762'. Will ND BOPs & NUWH today and pump off bit; and start swabbing/flow testing (3920 BLLTR).

**SC 12ML-16-10-23:** (100% WI) Landed tbg, ND BOPs NUWH. Pumped off bit, flow tbg to tank, turn over to flow watch. At 4:00 this AM FTP 1800 psi on 18/64" choke, CP 2325 psi, 15 bfph. 305 BLR, 4016 BLLTR.

**SC 14ML-16-10-23:** (100% WI) Tally & rabbit in hole to 3520'. Continue TIH today for bit and scraper run.

**SSU 8G-9-8-21:** (100% WI) RIH w/ 2.875" production tbg, PSN @ 5286', TAC @ 4972'. Flow / swab today, PU rods.

WEEKLY OPERATIONS REPORT – December 15, 2005

QEP

UINTA BASINT155 R20E S-06  
43-049-36781“Drilling Activity – Operated” 12-8-05

- Ensign 24 – GB 16D-28-8-21 drilling at 11,362 feet in Castlegate. PBTD 16,600'. Next well GB 4M-28-8-21. PBTD 12,900'.
- Patterson 51 – NBE 5ML-17-9-23 drilling at 2,203 feet. PBTD 9,320'. Next well is the SC 4ML-16-10-23 (if ROW issues), directional. PTD 8,015'.
- Patterson 52 – RW 01-36BG landed in zone at 5,527 feet, running 7" casing. PBTD 7,467'+/-. The next well is the GHU 4 re-entry horizontal.
- True 32 – FR 1P-36-14-19 drilling at 11,420 feet. PBTD 13,125'. Next well Wolf Flat option well WF 14-29-15-19.

“Completions & New Wells to Sales” 12-15-05:

**WF 1P-1-15-19:** (50% WI) To sales 12/14/05; current rate 1.6 mmcfpd @ 517 psi FTP & 1523 psi CP on a 37/64" choke w/ 30 BWPH.

**SC 14ML-16-10-23:** (100% WI) 6 fracs pumped; lubed in comp. BP and TIH to drill plugs today.

**SC 5ML-16-10-23:** (100% WI) 1<sup>st</sup> frac pumped today (350 Mlbs. prop.); 5 more to pump today and Friday.

**SSU 8G-9-8-21:** (100% WI) Started PU 1 p.m. 12/14/05; 18 hr. numbers are as follows: 99 BO; 164 BW (half of this is load); 0 mcf.

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**WEEKLY OPERATIONS REPORT – December 22, 2005**

QEP

TISS RAOF S-06  
43-047- 36781

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**UINTA BASIN**

DIV. OF OIL, GAS & MINING

**“Drilling Activity – Operated” 12-22-05**

- Ensign 24 – GB 16D-28-8-21 drilling at 12,734 feet in Mancos Shale. PBTD 16,600'. Next well GB 4M-28-8-21. PBTD 12,900'.
- Patterson 51 – NBE 5ML-17-9-23 drilling at 8,595 feet. PBTD 9,320'. Next well is the SC 4ML-16-10-23 (if ROW issues), directional. PTD 8,015'. Otherwise NBE 10ML-17-9-23.
- Patterson 52 – RW 01-36BG TD'd lateral at 7,631 feet, tripping out to run perforated liner. The next well is the GHU 4 re-entry horizontal.
- True 26 – SG 3MU-23-8-22 drilling at 6,443 feet. PBTD 9,154'. Next well GB 2ML-30-8-22. PBTD 10,750'.
- True 32 – FR 1P-36-14-19 at TD 12,563 feet fishing stuck FMI logging tool. Currently tripping in hole stripping over wireline. Should be over fish this afternoon. Next well Wolf Flat option well WF 14-29-15-19.

**“Completions & New Wells to Sales” 12-22-05:**

**WF 1P-1-15-19:** (50% WI) PBTD was 12,354'. P/L analysis showed 440 BWPD out of the Wingate; set CIBP @ 12,200' (over Wingate); TIH w/ prod. tbg.; well kicked off w/ 9 swab runs and flowed stable ON @ 550 psi FTP & 1100 psi CP on a 40/64" w/ 8 BWPH; well died right before going to sales; swabbing in currently.

**SC 14ML-16-10-23:** (100% WI) To sales 5:00 PM 12/19/05.

Tubing psi	Casing psi	Oil	Gas	Water
1533	2138	12	1554	260

**SC 5ML-16-10-23:** (100% WI) To sales 3:00 PM 12/21/05.

Tubing psi	Casing psi	Oil	Gas	Water
1716	2347	16	1264	334

**SSU 8G-9-8-21:** (100% WI) Started PU 1 p.m. 12/14/05.

Tubing psi	Casing psi	Oil	Gas	Water
200	50	87	0	10

**WEEKLY OPERATIONS REPORT – December 29, 2005**

QEP

**UINTA BASIN**

T153 R R20E S-06  
43-042-36781

**“Drilling Activity – Operated” 12-29-05**

- Ensign 24 – GB 16D-28-8-21 drilling at 14,005 feet in Mancos Shale. Core point picked at 15,116'. PBTB 16,600'. Next well GB 4M-28-8-21. PBTB 12,900'.
- Patterson 51 – NBE 10ML-17-9-23 drilling at 3,228 feet. PBTB 9,125'. Next well is the SC 4ML-16-10-23 (if ROW issues). PBTB 8,015'. Otherwise NBE 6ML-17-9-23. PBTB 9,175'
- Patterson 52 – GH 4 tripping in with mills to cut window. The next well is the WV 16G-3-8-21 re-entry horizontal.
- True 26 – SG 3MU-23-8-22 drilling at 8,548 feet. PBTB 9,154'. Next well GB 2ML-30-8-22. PBTB 10,750'.
- True 32 – FR 1P-36-14-19 rigging down for move to WF 14C-29-15-19. Trucks and crane do in today. Location should be ready around January 6, 2006. Will stack rig until then.

**“Completions & New Wells to Sales” 12-30-05:**

**WF 1P-1-15-19:** (50% WI) CIBP over Wingate was leaking 24 BWPH. Set 2<sup>nd</sup> CIBP and returned to sales 12/29/05. Currently flowing 1.5 mmcfpd w/ 449 psi FTP & 1147 psi CP; 20 BWPH.

**WIH 1AMU-21-8-22:** (43.75% WI) Frac'd 7 stages (2 MV & 5 Wasatch). Drilling out bridge plugs, 2 remaining. Should land tubing today and start swabbing.

**NBE 14ML-17-9-23:** (43.75% WI) Frac'd 4 stages (All MV). 1 MV/Wasatch and 1 Wasatch stage to frac today. Flow overnight and set kill plug tomorrow.

**SC 14ML-16-10-23:** (100% WI) To sales 5:00 PM 12/19/05.

Tubing psi	Casing psi	Oil	Gas	Water
1170	1485	12	1685	174

**SC 5ML-16-10-23:** (100% WI) To sales 3:00 PM 12/21/05.

Tubing psi	Casing psi	Oil	Gas	Water
1555	1842	13	1680	180

**SSU 8G-9-8-21:** (100% WI) Started PU 1 p.m. 12/14/05.

Tubing psi	Casing psi	Oil	Gas	Water
180	45	92	0	60

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN DUPLICATE**

(See other instructions on reverse side).

Form approved  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

<p>1a. TYPE OF WELL      OIL WELL <input type="checkbox"/>      GAS WELL <input checked="" type="checkbox"/>      DRY WELL <input type="checkbox"/>      Other _____</p> <p>b. TYPE OF COMPLETION</p> <p>NEW WELL <input checked="" type="checkbox"/>      WORK OVER <input type="checkbox"/>      DEEP-EN <input type="checkbox"/>      PLUG BACK <input type="checkbox"/>      DIFF. RESVR <input type="checkbox"/>      Other _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>EDA #14-20-H 62-5521</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>UTE TRIBE</b></p> <p>7. UNIT AGREEMENT NAME <b>N/A</b></p> <p>8. FARM OR LEASE NAME <b>N/A</b></p>
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<p>2. NAME OF OPERATOR <b>QEP UINTA BASIN, INC.</b></p>	<p>9. WELL NO. <b>WF 1P 1-15-19</b></p>
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<p>3. ADDRESS OF OPERATOR <b>11002 E. 17500 S. VERNAL, UT 84078-8526      435-781-4342</b></p>	<p>10. FIELD AND POOL, OR WILDCAT <b>WOLF FLAT</b></p>
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<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*</p> <p>At surface    <b>878' FNL, 213' FWL, NWNW, SEC 6-T15S-R20E</b></p> <p>At top rod. interval reported below</p> <p>At total depth    <b>602 594</b> <b>560' FNL, 560' FEL, NENE, SEC 1-T15S-R19E</b> <i>Per Directional Survey</i></p>	<p>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>Top- SEC 6-T15S-R20E Bottom - SEC 1-T15S-R19E</b></p>
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<p>14. PERMIT NO. <b>43-047-36781</b></p>	<p>DATE ISSUED</p>	<p>12. COUNTY OR PARISH <b>UINTAH</b></p>	<p>13. STATE <b>UTAH</b></p>
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<p>15. DATE SPUNDED <b>7/10/05</b></p>	<p>16. DATE T.D. REACHED <b>10/14/05</b></p>	<p>17. DATE COMPL. (Ready to prod.) <b>DOFP - 12/13/05 - 1/3/06 Final</b></p>	<p>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>KB</b></p>	<p>19. ELEV. CASINGHEAD</p>
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<p>20. TOTAL DEPTH, MD &amp; TVD <b>MD - 13,050'    TVD 12,961'</b></p>	<p>21. PLUG BACK T.D., MD &amp; TVD <b>12,060' CIBP</b></p>	<p>22. IF MULTIPLE COMPL., HOW MANY*</p>	<p>23. INTERVALS DRILLED BY</p>	<p>ROTARY TOOLS</p>	<p>CABLE TOOLS</p>
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<p>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*</p> <p><b>See Attachment Page 1</b> <b>SURCT</b></p>	<p>25. WAS DIRECTIONAL SURVEY MADE <b>YES</b></p>
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<p>26. TYPE ELECTRIC AND OTHER LOGS RUN <b>GR/CBL &amp; PLATFORM EXPRESS TRIPLE COMBO</b></p>	<p>27. WAS WELL CORED</p>
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28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-5/8"	?	509' GL	17-1/2"	475 SXS	
9-5/8"	47#	4402'	12-1/2"	1041 SXS	
5-1/2"	17#	13,030'	8-1/2"	1745 SXS	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2-7/8"	11,797'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
<b>See Attachment Page 1</b>		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>See Attachment Page 1</b>		<b>See Attachment Page 1</b>	<b>See Attachment Page 1</b>

33.* PRODUCTION						WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION <b>12/13/05</b>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <b>FLOWING</b>				<b>PRODUCING</b>	
DATE OF TEST <b>12/16/05</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>38/64"</b>	PROD'N FOR TEST PERIOD →	OIL—BBL. <b>0</b>	GAS—MCF. <b>1349</b>	WATER—BBL. <b>641</b>	GAS-OIL RATIO
FLOW TUBING PRESS. <b>533</b>	CASING PRESSURE <b>1455</b>	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	

<p>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>SOLD</b></p>	<p>TEST WITNESSED BY</p>
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<p>35. LIST OF ATTACHMENTS <b>PERFORATION DETAIL - ATTACHMENT PAGE 1</b></p>	<p><b>RECEIVED</b> <b>APR 06 2006</b></p>
<p>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</p> <p>SIGNED <b>JIM SIMONTON</b>      <i>Jim Simonton</i>      TITLE <b>COMPLETION SUPERVISOR</b></p>	<p>DIV. OF OIL, GAS &amp; MINING DATE</p>

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS  
WF 1P 1-15-19

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
GREEN RIVER	SURFACE			GREEN RIVER	SURFACE	
WASATCH	2410'			WASATCH	2410'	
MESA VERDE	4390'			MESA VERDE	4390'	
KICK OFF POINT	4450'			KICK OFF POINT	4450'	
CASTLEGATE	6225'			CASTLEGATE	6225'	
MANCOS	6465'			MANCOS	6465'	
START OF CURVE	9066'			START OF CURVE	9066'	
DAKOTA SILT	10260'			DAKOTA SILT	10260'	
DAKOTA	10360'			DAKOTA	10360'	
CEDAR MTN	10430'			CEDAR MTN	10430'	
MORRISON	10650'			MORRISON	10650'	
CURTIS	11275'			CURTIS	11275'	
ENTRADA	11345'			ENTRADA	11345'	
CARMEL	11610'			CARMEL	11610'	
WINGATE	11810'			WINGATE	11810'	
CHINLE	12090'			CHINLE	12090'	
SHINARUMP	12400'			SHINARUMP	12400'	
PRE-CAMBRIAN	12500'			PRE-CAMBRIAN	12500'	
TD	13050'			TD	13050'	

**WF 1P 1-15-19**  
**PERFORATION DETAIL – Attachment Page 1**

<b>Perf Depths</b>	<b>Zone</b>	<b>Stimulation</b>	<b>Gals</b>	<b>Status</b>
10586' – 10590'	} Dakota	Frac w/ N2 & 66,500# Sand	36,330 Gals	Open
10723' – 10725'				
10758' – 10760'				
10969' – 11003'	Buckhorn	Frac w/ N2 & 155,000# Sand	72,240 Gals	Open
11808' – 11812'	} Entrada	Frac w/ N2 & 95,000# Sand	47,040 Gals	Open
11828' – 11834'				
11846' – 11852'				
11918' – 11924'				
11974' – 11980'				
<b>CIBP @ 12,060'</b>				
<b>CIBP @ 12,200'</b>				
12290' – 12314'	Wingate #1C	Frac w/ N2 & 65,000# Sand	45,276 Gals	Closed
12338' – 12342'	Wingate #1C			Closed
<b>CIBP @ 12400'</b>				
12426' – 12432'	Wingate #1B			Closed
12538' – 12544'	Wingate #1A			Closed

FIELD: WOLF FLAT FIELD      GL: 7292' KBE: 7314'      Start Date: 11/4/05      Finish Date: 1/3/06

WELL NAME: WOLF FLAT 1P 1-15-19      TD: 13,050 PBTD: 12,947'      Current Well Status: Producing

Location: Surface - 878' FNL, 213' FWL NWNW S6-T15S-R20E  
 Bottom - 560' FNL, 560' FEL, NENE, SEC 1-T15S-R19E  
 Uintah County, Utah      API: 43-047-36781

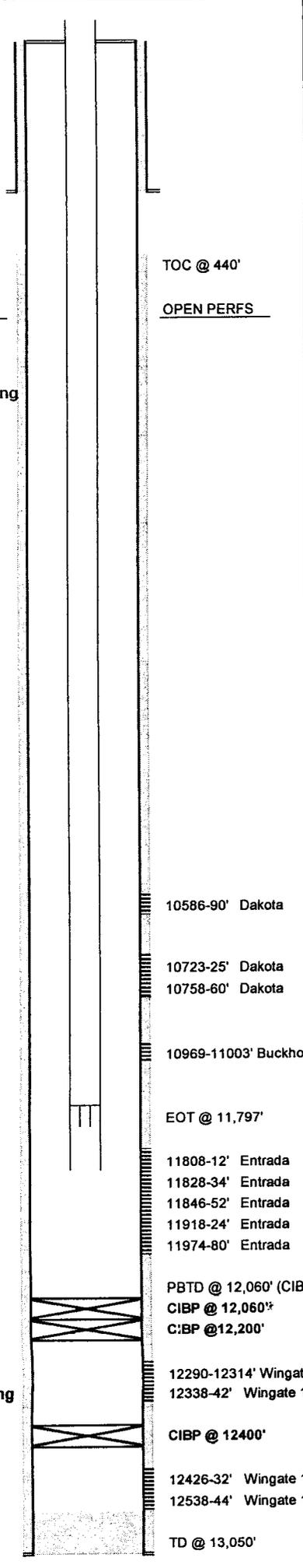
Reason for Pull/Workover:  
 Initial Completion of Deep Gas Well

**Wellbore Schematic**

**Surface casing**  
 Size: 13-5/8"  
 Weight:  
 Grade:  
 Cemented  
 W/ 475 SXS  
 Set @ 509' GL  
 Hole size: 17-1/2"

EXCLUDED PERFS

**Intermediate casing**  
 Size: 9-5/8"  
 Weight: 47#  
 Grade: P-110  
 Cemented  
 W/ 1,041 SXS  
 Set @ 4402'  
 Hole size: 12-1/2"



**Tubing Landing Detail:**

Description	Size	Footage	Depth
7-1/16" 10,000# Well Head			0.00
KB		22.00	22.00
10-K Bowl Style Hanger		1.18	23.18
360 Jts 2-7/8" P-105 6.5#		11739.09	11762.27
2.31" F Nipple		0.97	11763.24
1 Jt 2-7/8" P-105 6.5#		32.62	11795.86
P.O. Bit Sub		0.92	11796.78
			11796.78
			11796.78
			11796.78
EOT			11796.78

**Tubing Information**

Condition:  
 New: X      Used: \_\_\_\_\_      Rerun: \_\_\_\_\_  
 Grade: P-105 2-7/8"  
 Weight (#/ft): 6.5#

**Wellhead Detail:** Example: 7-1/16" 3000#

Other:  
 Hanger:      Yes      X      No

**SUMMARY**

Initial Completion: 11/4/05 - 1/3/06  
 Ran CBL/VDL/GR logs. Perf Wingate #1A intervals 12538' - 12544'; Wingate #1B intervals 12426' - 12432' & Wingate #1C intervals 12290' - 12314' & 12338' - 12342'. Acidize Wingate perfs 12290' - 12544' w/ 3500 gals of 15% HCl acid & w/ additives. Avg rate = 9.3 BPM; avg psi = 6000#; ISP = 2564#. Set a CIBP @ 12400' to isolate Wingate #1A & #1B from frac performed on 11/29/05.  
 Frac Wingate #1C intervals 12290' - 12314' & 12338' - 12342'. Frac w/ 25 - 30% quality N2 foam assist system. Total of 45,276 gals of fluid; total of 766 MCF of N2. Total of 5,000# of 100 mesh sand & 60,000# of 20/40 mesh sand Econoprop. Fluid system was a 35# Hybor 2% KCL water system. Avg slurry rate = 34.9 BPM; avg N2 rate = 10195 SCFM. Avg psi = 4609#; ISP = 3659#. Perf Entrada intervals 11808' - 11812'; 11828' - 11834'; 11846' - 11852'; 11918' - 11924' & 11974' - 11980'. Frac gross interval 11808' - 11980' using 30% N2 assist for the 35# Hybor system - Total of 5,000# of 100 mesh sand & 450# of 20/40 mesh sand. Total load of 860 bbls & 555 SCF of N2. Left well SI for 4 hours to repair pump on Mountain Mover. Frac the above Entrada interval 11808' - 11980' with a 30% N2 system for the 35# Hybor gelled 2% KCL x-lined system. Total of 90,000# of 20/40 mesh Econoprop & a total load of 47,040 gals. Total 1,014,000 SCF of N2. Avg slurry rate = 47.7 BPM; avg psi = 4550#; ISP = 3631#. Perf Buckhorn interval 10969' - 11003'. Frac 10969' - 11003' down 5-1/2" csg using 35# Hybor 2% KCL x-linked gel-water system w/ 15% N2 assist through out job. Total of 5,000# of 100 mesh & 150,000# of 20/40 Econoprop sand. Total of 72,240 gals. Avg slurry rate = 47.1 BPM; Avg psi = 5116#; ISP = 4470#. Used a total of 488M SCF of N2 on this zone. Perf Dakota intervals 10586' - 10590'; 10723' - 10725' & 10758' - 10760'. Frac gross interval 10586' - 10760' down 5-1/2" csg using above system. Used 20% N2 through out job. Total of 36,330 gals of fluid, total of 5,000# of 100 mesh sand & 61,500# of 20/40 mesh sand. Used a total of 332M SCF of N2 on this zone.  
**NOTE: Wingate #1A & #1B are covered with plugs and never frac'd.**  
 On 12/13/05 - FTP = 350 # & SICP = 1350# on 40/64" choke. Hook up to flow line to production unit, RDMO & turned well over to production.  
 On AM of 12/14/05 moved Basin Well Service back out to location to swab well in as it will not sustain a flow through sales.  
 On 12-16/17 & 18 well is continuing to sell via gas sales.  
 On 12/20/05 - RU PLS WL & set a 10K 5-1/2" CIBP @ 12200'.  
 On 12/28/05 - MIRU PLS WL & set a Weatherford 10K CIBP @ 12060'.  
 Land of EOT @ 11797' & "F" Nipple @ 11762' KB depths.  
 On 12/29/05 - Turn well over to production department.

Producing f/ Entrada 11808' - 11980', Buckhorn 10969' - 11003' & Dakota 10586' - 10760'. Well is producing from these perfs only! All Wingate intervals are isolated w/ CIBP's.

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Page 1 of 8

Questar E & P

Deviation Summary

Well Name: WF 1P-1-15-19	Location: 6- 15-S 20-E 6	S/T #	V.S. AZI (°)
TMD: 13,002.0 (ft)	TVD: 12,913.42 (ft)	OH	0.00
Closure Distance: 854.6 (ft)	Closure Direction: 288.84 (°)	Calculation Method: Minimum Curvature	

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/-S (ft)	E/-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.0	0.00	0.00	YNN	0.00	0.00	0.00	0.00	0.00	0.00	
OH	4,432.0	2.20	20.18	YNN	4,430.91	79.86	29.35	79.86	0.05	0.05	MWD
OH	4,464.0	2.11	18.86	YNN	4,462.89	80.99	29.75	80.99	0.32	-0.28	MWD
OH	4,494.0	2.29	9.81	YNN	4,492.87	82.10	30.03	82.10	1.30	0.60	MWD
OH	4,527.0	2.81	358.38	YNN	4,525.83	83.56	30.12	83.56	2.20	1.58	MWD
OH	4,558.0	3.08	347.22	YNN	4,556.79	85.13	29.92	85.13	2.04	0.87	MWD
OH	4,590.0	3.43	330.69	YNN	4,588.74	86.81	29.26	86.81	3.12	1.09	MWD
OH	4,622.0	4.31	324.36	YNN	4,620.67	88.62	28.09	88.62	3.05	2.75	MWD
OH	4,653.0	5.10	317.85	YNN	4,651.56	90.59	26.48	90.59	3.07	2.55	MWD
OH	4,683.0	5.54	314.26	YNN	4,681.44	92.59	24.55	92.59	1.84	1.47	MWD
OH	4,715.0	5.70	308.00	YNN	4,713.28	94.64	22.19	94.64	1.98	0.50	MWD
OH	4,747.0	6.24	301.69	YNN	4,745.11	96.53	19.46	96.53	2.65	1.69	MWD
OH	4,779.0	6.86	300.64	YNN	4,776.90	98.42	16.34	98.42	1.97	1.94	MWD
OH	4,810.0	7.39	301.25	YNN	4,807.66	100.40	13.04	100.40	1.73	1.71	MWD
OH	4,842.0	7.74	298.79	YNN	4,839.38	102.50	9.39	102.50	1.49	1.09	MWD
OH	4,873.0	8.00	296.59	YNN	4,870.09	104.48	5.63	104.48	1.28	0.84	MWD
OH	4,904.0	8.97	293.95	YNN	4,900.75	106.42	1.50	106.42	3.37	3.13	MWD
OH	4,936.0	9.85	292.06	YNN	4,932.32	108.46	-3.32	108.46	2.91	2.75	MWD
OH	4,966.0	10.64	291.41	YNN	4,961.84	110.44	-8.28	110.44	2.66	2.63	MWD
OH	5,029.0	10.99	287.10	YNN	5,023.72	114.33	-19.43	114.33	1.40	0.56	MWD
OH	5,091.0	11.87	285.34	YNN	5,084.49	117.75	-31.23	117.75	1.53	1.42	MWD
OH	5,155.0	10.90	280.86	YNN	5,147.23	120.63	-43.52	120.63	2.05	-1.52	MWD
OH	5,219.0	10.82	281.30	YNN	5,210.09	122.95	-55.35	122.95	0.18	-0.13	MWD
OH	5,281.0	10.38	281.39	YNN	5,271.03	125.19	-66.54	125.19	0.71	-0.71	MWD
OH	5,345.0	10.11	280.60	YNN	5,334.01	127.36	-77.71	127.36	0.48	-0.42	MWD
OH	5,409.0	10.20	280.60	YNN	5,397.01	129.44	-88.80	129.44	0.14	0.14	MWD
OH	5,471.0	9.76	279.72	YNN	5,458.07	131.34	-99.38	131.34	0.75	-0.71	MWD
OH	5,534.0	9.94	280.90	YNN	5,520.14	133.27	-109.98	133.27	0.43	0.29	MWD
OH	5,597.0	10.02	277.87	YNN	5,582.19	135.05	-120.75	135.05	0.84	0.13	MWD
OH	5,660.0	9.85	275.90	YNN	5,644.24	136.35	-131.54	136.35	0.60	-0.27	MWD
OH	5,723.0	10.29	278.49	YNN	5,706.27	137.74	-142.46	137.74	1.00	0.70	MWD
OH	5,786.0	9.67	283.32	YNN	5,768.32	139.78	-153.18	139.78	1.65	-0.98	MWD
OH	5,850.0	8.71	281.39	YNN	5,831.50	141.98	-163.16	141.98	1.58	-1.50	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19  
 TMD: 13,002.0 (ft)  
 Closure Distance: 854.6 (ft)

TVD: 12,913.42 (ft)  
 Closure Direction: 288.84 (°)

Location: 6- 15-S 20-E 6  
 Spud Date: 7/18/2005  
 Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	5,882.0	8.88	284.11	YNN	5,863.12	143.06	-167.93	143.06	1.40	0.53	MWD
OH	5,914.0	9.32	286.40	YNN	5,894.72	144.39	-172.81	144.39	1.78	1.38	MWD
OH	5,945.0	8.62	285.43	YNN	5,925.34	145.72	-177.46	145.72	2.31	-2.26	MWD
OH	5,975.0	8.44	286.05	YNN	5,955.01	146.93	-181.74	146.93	0.67	-0.60	MWD
OH	6,006.0	8.27	289.82	YNN	5,985.68	148.31	-186.02	148.31	1.85	-0.55	MWD
OH	6,038.0	7.56	287.54	YNN	6,017.37	149.73	-190.20	149.73	2.43	-2.22	MWD
OH	6,079.0	7.21	286.05	YNN	6,058.03	151.25	-195.24	151.25	0.97	-0.85	MWD
OH	6,110.0	7.83	287.80	YNN	6,088.77	152.44	-199.12	152.44	2.13	2.00	MWD
OH	6,141.0	7.39	289.65	YNN	6,119.49	153.75	-203.01	153.75	1.62	-1.42	MWD
OH	6,171.0	7.83	291.41	YNN	6,149.23	155.15	-206.73	155.15	1.66	1.47	MWD
OH	6,203.0	8.62	293.16	YNN	6,180.90	156.89	-210.96	156.89	2.59	2.47	MWD
OH	6,235.0	8.79	290.44	YNN	6,212.53	158.68	-215.46	158.68	1.39	0.53	MWD
OH	6,267.0	9.15	288.51	YNN	6,244.14	160.34	-220.16	160.34	1.47	1.13	MWD
OH	6,299.0	9.41	289.65	YNN	6,275.72	162.03	-225.04	162.03	1.00	0.81	MWD
OH	6,330.0	9.23	289.03	YNN	6,306.31	163.69	-229.78	163.69	0.66	-0.58	MWD
OH	6,361.0	9.58	287.63	YNN	6,336.90	165.29	-234.58	165.29	1.35	1.13	MWD
OH	6,391.0	9.76	284.55	YNN	6,366.47	166.68	-239.42	166.68	1.83	0.60	MWD
OH	6,423.0	10.35	286.39	YNN	6,397.98	168.17	-244.81	168.17	2.10	1.84	MWD
OH	6,453.0	10.98	284.74	YNN	6,427.46	169.66	-250.16	169.66	2.33	2.10	MWD
OH	6,485.0	11.65	283.48	YNN	6,458.84	171.19	-256.25	171.19	2.23	2.09	MWD
OH	6,517.0	11.58	285.28	YNN	6,490.18	172.79	-262.49	172.79	1.15	-0.22	MWD
OH	6,549.0	11.08	281.67	YNN	6,521.56	174.26	-268.60	174.26	2.71	-1.56	MWD
OH	6,580.0	10.82	282.23	YNN	6,551.99	175.48	-274.36	175.48	0.91	-0.84	MWD
OH	6,612.0	10.90	284.15	YNN	6,583.42	176.85	-280.23	176.85	1.16	0.25	MWD
OH	6,644.0	11.08	284.17	YNN	6,614.83	178.34	-286.14	178.34	0.56	0.56	MWD
OH	6,674.0	11.17	281.02	YNN	6,644.27	179.61	-291.79	179.61	2.05	0.30	MWD
OH	6,706.0	11.34	278.74	YNN	6,675.66	180.68	-297.94	180.68	1.49	0.53	MWD
OH	6,737.0	10.73	277.53	YNN	6,706.08	181.52	-303.81	181.52	2.10	-1.97	MWD
OH	6,767.0	11.34	275.70	YNN	6,735.53	182.18	-309.52	182.18	2.34	2.03	MWD
OH	6,799.0	10.99	274.07	YNN	6,766.92	182.71	-315.69	182.71	1.47	-1.09	MWD
OH	6,831.0	11.26	274.44	YNN	6,798.32	183.16	-321.85	183.16	0.87	0.84	MWD
OH	6,863.0	11.08	274.87	YNN	6,829.71	183.67	-328.03	183.67	0.62	-0.56	MWD
OH	6,893.0	11.43	274.09	YNN	6,859.14	184.12	-333.86	184.12	1.27	1.17	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19  
 TMD: 13,002.0 (ft)  
 Closure Distance: 854.6 (ft)

TVD: 12,913.42 (ft)  
 Closure Direction: 288.84 (°)

Location: 6- 15-S 20-E 6  
 Spud Date: 7/18/2005  
 Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	6,925.0	11.78	274.28	YNN	6,890.48	184.59	-340.28	184.59	1.10	1.09	MWD
OH	6,956.0	11.61	273.11	YNN	6,920.84	185.00	-346.55	185.00	0.94	-0.55	MWD
OH	6,988.0	11.08	271.98	YNN	6,952.21	185.28	-352.84	185.28	1.80	-1.66	MWD
OH	7,017.0	10.99	271.42	YNN	6,980.68	185.44	-358.39	185.44	0.48	-0.31	MWD
OH	7,049.0	10.64	275.04	YNN	7,012.11	185.78	-364.38	185.78	2.39	-1.09	MWD
OH	7,080.0	10.55	274.35	YNN	7,042.58	186.25	-370.06	186.25	0.50	-0.29	MWD
OH	7,112.0	10.64	273.35	YNN	7,074.04	186.64	-375.93	186.64	0.64	0.28	MWD
OH	7,142.0	11.43	275.29	YNN	7,103.48	187.08	-381.66	187.08	2.91	2.63	MWD
OH	7,173.0	11.61	273.08	YNN	7,133.86	187.53	-387.83	187.53	1.54	0.58	MWD
OH	7,204.0	11.70	271.09	YNN	7,164.22	187.76	-394.09	187.76	1.33	0.29	MWD
OH	7,235.0	11.78	270.78	YNN	7,194.57	187.86	-400.40	187.86	0.33	0.26	MWD
OH	7,268.0	11.34	271.35	YNN	7,226.90	187.98	-407.01	187.98	1.38	-1.33	MWD
OH	7,299.0	10.90	273.99	YNN	7,257.32	188.26	-412.98	188.26	2.17	-1.42	MWD
OH	7,330.0	10.29	278.35	YNN	7,287.79	188.86	-418.64	188.86	3.25	-1.97	MWD
OH	7,361.0	10.02	277.12	YNN	7,318.30	189.60	-424.06	189.60	1.12	-0.87	MWD
OH	7,392.0	9.50	279.32	YNN	7,348.86	190.35	-429.26	190.35	2.06	-1.68	MWD
OH	7,405.0	9.32	283.05	YNN	7,361.68	190.76	-431.34	190.76	4.89	-1.38	MWD
OH	7,425.0	9.32	282.55	YNN	7,381.42	191.48	-434.50	191.48	0.40	0.00	MWD
OH	7,456.0	9.06	283.13	YNN	7,412.02	192.58	-439.33	192.58	0.89	-0.84	MWD
OH	7,488.0	9.06	283.90	YNN	7,443.62	193.75	-444.23	193.75	0.38	0.00	MWD
OH	7,519.0	9.67	280.57	YNN	7,474.21	194.82	-449.16	194.82	2.63	1.97	MWD
OH	7,550.0	10.29	277.26	YNN	7,504.74	195.65	-454.46	195.65	2.72	2.00	MWD
OH	7,582.0	10.46	273.81	YNN	7,536.21	196.20	-460.20	196.20	2.01	0.53	MWD
OH	7,613.0	10.73	273.01	YNN	7,566.69	196.54	-465.88	196.54	0.99	0.87	MWD
OH	7,643.0	11.08	268.57	YNN	7,596.14	196.61	-471.56	196.61	3.03	1.17	MWD
OH	7,675.0	11.61	266.08	YNN	7,627.52	196.32	-477.84	196.32	2.25	1.66	MWD
OH	7,706.0	11.34	263.79	YNN	7,657.90	195.77	-483.98	195.77	1.71	-0.87	MWD
OH	7,738.0	11.43	260.56	YNN	7,689.27	194.91	-490.24	194.91	2.01	0.28	MWD
OH	7,770.0	11.43	260.37	YNN	7,720.64	193.86	-496.49	193.86	0.12	0.00	MWD
OH	7,801.0	11.26	259.81	YNN	7,751.03	192.81	-502.50	192.81	0.65	-0.55	MWD
OH	7,833.0	11.78	264.93	YNN	7,782.39	191.97	-508.83	191.97	3.58	1.63	MWD
OH	7,863.0	11.96	264.62	YNN	7,811.74	191.41	-514.97	191.41	0.64	0.60	MWD
OH	7,896.0	12.49	266.23	YNN	7,844.00	190.85	-521.94	190.85	1.91	1.61	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19  
 TMD: 13,002.0 (ft)  
 Closure Distance: 854.6 (ft)

TVD: 12,913.42 (ft)  
 Closure Direction: 288.84 (°)

Location: 6- 15-S 20-E 6  
 Spud Date: 7/18/2005  
 Calculation Method: Minimum Curvature

S/T #      V.S. AZI (°)  
 OH              0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	7,927.0	13.45	265.09	YNN	7,874.21	190.32	-528.88	190.32	3.20	3.10	MWD
OH	7,957.0	13.01	265.66	YNN	7,903.41	189.77	-535.72	189.77	1.53	-1.47	MWD
OH	7,989.0	12.66	265.06	YNN	7,934.61	189.20	-542.81	189.20	1.17	-1.09	MWD
OH	8,020.0	12.93	271.46	YNN	7,964.84	188.99	-549.66	188.99	4.65	0.87	MWD
OH	8,052.0	12.49	271.35	YNN	7,996.06	189.16	-556.70	189.16	1.38	-1.38	MWD
OH	8,083.0	12.40	271.51	YNN	8,026.33	189.33	-563.37	189.33	0.31	-0.29	MWD
OH	8,115.0	12.13	269.42	YNN	8,057.60	189.39	-570.17	189.39	1.62	-0.84	MWD
OH	8,146.0	12.40	269.56	YNN	8,087.89	189.33	-576.76	189.33	0.88	0.87	MWD
OH	8,178.0	11.34	273.64	YNN	8,119.21	189.50	-583.33	189.50	4.22	-3.31	MWD
OH	8,210.0	11.78	276.62	YNN	8,150.56	190.08	-589.72	190.08	2.32	1.38	MWD
OH	8,243.0	11.52	281.83	YNN	8,182.88	191.14	-596.29	191.14	3.28	-0.79	MWD
OH	8,274.0	11.61	281.85	YNN	8,213.25	192.42	-602.37	192.42	0.29	0.29	MWD
OH	8,305.0	11.52	282.06	YNN	8,243.62	193.71	-608.45	193.71	0.32	-0.29	MWD
OH	8,337.0	10.90	279.80	YNN	8,275.01	194.89	-614.56	194.89	2.37	-1.94	MWD
OH	8,369.0	10.38	279.30	YNN	8,306.46	195.87	-620.38	195.87	1.65	-1.63	MWD
OH	8,401.0	9.85	275.69	YNN	8,337.96	196.61	-625.95	196.61	2.58	-1.66	MWD
OH	8,431.0	9.67	272.27	YNN	8,367.53	196.96	-631.02	196.96	2.02	-0.60	MWD
OH	8,461.0	9.85	269.36	YNN	8,397.09	197.03	-636.11	197.03	1.75	0.60	MWD
OH	8,493.0	9.67	270.89	YNN	8,428.63	197.04	-641.53	197.04	0.99	-0.56	MWD
OH	8,525.0	9.94	273.99	YNN	8,460.16	197.28	-646.97	197.28	1.85	0.84	MWD
OH	8,556.0	9.94	276.06	YNN	8,490.70	197.75	-652.30	197.75	1.15	0.00	MWD
OH	8,588.0	10.38	277.56	YNN	8,522.20	198.42	-657.91	198.42	1.60	1.38	MWD
OH	8,619.0	10.82	276.52	YNN	8,552.67	199.11	-663.57	199.11	1.55	1.42	MWD
OH	8,650.0	11.43	275.05	YNN	8,583.09	199.71	-669.52	199.71	2.17	1.97	MWD
OH	8,682.0	11.61	277.06	YNN	8,614.44	200.39	-675.87	200.39	1.37	0.56	MWD
OH	8,714.0	11.87	277.60	YNN	8,645.77	201.22	-682.33	201.22	0.88	0.81	MWD
OH	8,744.0	11.96	278.78	YNN	8,675.12	202.10	-688.46	202.10	0.87	0.30	MWD
OH	8,776.0	12.05	278.90	YNN	8,706.42	203.13	-695.04	203.13	0.29	0.28	MWD
OH	8,808.0	11.96	277.52	YNN	8,737.73	204.08	-701.62	204.08	0.94	-0.28	MWD
OH	8,839.0	12.13	275.95	YNN	8,768.04	204.83	-708.05	204.83	1.19	0.55	MWD
OH	8,870.0	12.13	275.90	YNN	8,798.35	205.51	-714.53	205.51	0.03	0.00	MWD
OH	8,901.0	12.22	275.08	YNN	8,828.65	206.13	-721.03	206.13	0.63	0.29	MWD
OH	8,933.0	12.22	275.89	YNN	8,859.93	206.78	-727.78	206.78	0.54	0.00	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19 TMD: 13,002.0 (ft) Closure Distance: 854.6 (ft)										Location: 6- 15-S 20-E 6 Spud Date: 7/18/2005 Calculation Method: Minimum Curvature	
TVD: 12,913.42 (ft) Closure Direction: 288.84 (°)										S/T #	V.S. AZI (°)
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	8,965.0	12.13	275.45	YNN	8,891.21	207.45	-734.49	207.45	0.40	-0.28	MWD
OH	8,996.0	12.13	272.64	YNN	8,921.52	207.91	-740.99	207.91	1.90	0.00	MWD
OH	9,028.0	11.78	272.14	YNN	8,952.82	208.18	-747.61	208.18	1.14	-1.09	MWD
OH	9,059.0	11.87	275.94	YNN	8,983.17	208.63	-753.94	208.63	2.53	0.29	MWD
OH	9,090.0	12.05	276.67	YNN	9,013.49	209.34	-760.33	209.34	0.76	0.58	MWD
OH	9,120.0	12.22	275.68	YNN	9,042.82	210.01	-766.60	210.01	0.90	0.57	MWD
OH	9,152.0	12.66	276.70	YNN	9,074.07	210.76	-773.45	210.76	1.54	1.38	MWD
OH	9,183.0	12.93	276.55	YNN	9,104.30	211.55	-780.27	211.55	0.88	0.87	MWD
OH	9,214.0	12.84	276.08	YNN	9,134.52	212.31	-787.14	212.31	0.45	-0.29	MWD
OH	9,246.0	12.57	278.57	YNN	9,165.74	213.21	-794.12	213.21	1.91	-0.84	MWD
OH	9,276.0	12.57	278.83	YNN	9,195.02	214.19	-800.57	214.19	0.19	0.00	MWD
OH	9,307.0	12.13	277.28	YNN	9,225.30	215.13	-807.14	215.13	1.78	-1.42	MWD
OH	9,339.0	12.05	276.97	YNN	9,256.59	215.96	-813.79	215.96	0.32	-0.25	MWD
OH	9,370.0	11.08	276.30	YNN	9,286.96	216.68	-819.96	216.68	3.16	-3.13	MWD
OH	9,401.0	10.01	273.14	YNN	9,317.44	217.15	-825.61	217.15	3.92	-3.45	MWD
OH	9,432.0	9.67	273.69	YNN	9,347.98	217.47	-830.90	217.47	1.14	-1.10	MWD
OH	9,464.0	9.06	275.89	YNN	9,379.55	217.90	-836.09	217.90	2.21	-1.91	MWD
OH	9,496.0	8.18	271.45	YNN	9,411.19	218.21	-840.87	218.21	3.45	-2.75	MWD
OH	9,527.0	7.12	270.40	YNN	9,441.92	218.28	-845.00	218.28	3.45	-3.42	MWD
OH	9,559.0	6.33	267.79	YNN	9,473.70	218.23	-848.74	218.23	2.65	-2.47	MWD
OH	9,590.0	6.33	274.28	YNN	9,504.51	218.29	-852.16	218.29	2.31	0.00	MWD
OH	9,622.0	5.63	274.34	YNN	9,536.33	218.54	-855.48	218.54	2.19	-2.19	MWD
OH	9,653.0	5.63	278.65	YNN	9,567.18	218.88	-858.50	218.88	1.36	0.00	MWD
OH	9,683.0	4.92	277.24	YNN	9,597.06	219.27	-861.23	219.27	2.41	-2.37	MWD
OH	9,714.0	3.96	283.82	YNN	9,627.96	219.69	-863.59	219.69	3.50	-3.10	MWD
OH	9,744.0	2.81	294.58	YNN	9,657.91	220.24	-865.26	220.24	4.36	-3.83	MWD
OH	9,776.0	2.11	312.24	YNN	9,689.88	220.97	-866.41	220.97	3.20	-2.19	MWD
OH	9,808.0	2.11	299.02	YNN	9,721.86	221.65	-867.36	221.65	1.52	0.00	MWD
OH	9,839.0	2.37	304.55	YNN	9,752.84	222.29	-868.39	222.29	1.09	0.84	MWD
OH	9,871.0	1.76	306.54	YNN	9,784.82	222.96	-869.33	222.96	1.92	-1.91	MWD
OH	9,903.0	1.76	326.01	YNN	9,816.80	223.66	-870.00	223.66	1.86	0.00	MWD
OH	9,932.0	1.76	13.77	YNN	9,845.79	224.46	-870.14	224.46	4.91	0.00	MWD
OH	9,964.0	1.85	18.00	YNN	9,877.77	225.43	-869.87	225.43	0.50	0.28	MWD

### Deviation Summary

Well Name: WF 1P-1-15-19

TMD: 13,002.0 (ft)

Closure Distance: 854.6 (ft)

TVD: 12,913.42 (ft)

Closure Direction: 288.84 (°)

Location: 6- 15-S 20-E 6

Spud Date: 7/18/2005

Calculation Method: Minimum Curvature

S/T #

V.S. AZI (°)

OH

0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	9,995.0	1.41	354.65	YNN	9,908.76	226.28	-869.75	226.28	2.54	-1.42	MWD
OH	10,027.0	0.79	25.29	YNN	9,940.76	226.87	-869.69	226.87	2.61	-1.94	MWD
OH	10,058.0	0.70	35.58	YNN	9,971.75	227.22	-869.49	227.22	0.52	-0.29	MWD
OH	10,089.0	0.53	52.11	YNN	10,002.75	227.46	-869.27	227.46	0.79	-0.55	MWD
OH	10,119.0	1.32	35.70	YNN	10,032.75	227.83	-868.95	227.83	2.75	2.63	MWD
OH	10,150.0	1.49	36.32	YNN	10,063.74	228.44	-868.51	228.44	0.55	0.55	MWD
OH	10,180.0	1.41	35.96	YNN	10,093.73	229.06	-868.06	229.06	0.27	-0.27	MWD
OH	10,212.0	0.53	358.72	YNN	10,125.72	229.52	-867.83	229.52	3.25	-2.75	MWD
OH	10,242.0	0.79	339.44	YNN	10,155.72	229.86	-867.91	229.86	1.13	0.87	MWD
OH	10,274.0	1.14	316.63	YNN	10,187.72	230.29	-868.20	230.29	1.60	1.09	MWD
OH	10,306.0	0.88	311.28	YNN	10,219.71	230.69	-868.61	230.69	0.86	-0.81	MWD
OH	10,338.0	1.23	267.47	YNN	10,251.71	230.83	-869.13	230.83	2.66	1.09	MWD
OH	10,370.0	1.41	262.54	YNN	10,283.70	230.77	-869.87	230.77	0.66	0.56	MWD
OH	10,401.0	1.14	293.68	YNN	10,314.69	230.84	-870.53	230.84	2.36	-0.87	MWD
OH	10,432.0	1.58	337.90	YNN	10,345.68	231.36	-870.97	231.36	3.55	1.42	MWD
OH	10,463.0	1.32	1.61	YNN	10,376.67	232.12	-871.12	232.12	2.09	-0.84	MWD
OH	10,492.0	1.32	22.31	YNN	10,405.67	232.76	-870.99	232.76	1.64	0.00	MWD
OH	10,527.0	1.49	26.72	YNN	10,440.65	233.54	-870.63	233.54	0.58	0.49	MWD
OH	10,556.0	2.20	24.87	YNN	10,469.64	234.38	-870.23	234.38	2.46	2.45	MWD
OH	10,584.0	2.37	12.80	YNN	10,497.62	235.43	-869.87	235.43	1.82	0.61	MWD
OH	10,615.0	2.11	7.94	YNN	10,528.59	236.62	-869.65	236.62	1.04	-0.84	MWD
OH	10,646.0	1.85	356.93	YNN	10,559.58	237.69	-869.60	237.69	1.48	-0.84	MWD
OH	10,677.0	1.14	333.70	YNN	10,590.57	238.46	-869.76	238.46	2.97	-2.29	MWD
OH	10,709.0	0.79	337.06	YNN	10,622.56	238.95	-869.99	238.95	1.11	-1.09	MWD
OH	10,737.0	0.62	251.01	YNN	10,650.56	239.08	-870.21	239.08	3.46	-0.61	MWD
OH	10,769.0	1.58	183.85	YNN	10,682.55	238.58	-870.40	238.58	4.55	3.00	MWD
OH	10,800.0	2.11	175.28	YNN	10,713.54	237.59	-870.38	237.59	1.92	1.71	MWD
OH	10,831.0	2.37	172.22	YNN	10,744.51	236.38	-870.25	236.38	0.92	0.84	MWD
OH	10,862.0	2.46	167.58	YNN	10,775.49	235.10	-870.02	235.10	0.69	0.29	MWD
OH	10,892.0	2.29	162.49	YNN	10,805.46	233.90	-869.70	233.90	0.90	-0.57	MWD
OH	10,922.0	2.20	162.83	YNN	10,835.44	232.78	-869.35	232.78	0.30	-0.30	MWD
OH	10,953.0	1.93	164.66	YNN	10,866.42	231.71	-869.04	231.71	0.90	-0.87	MWD
OH	10,984.0	1.67	165.35	YNN	10,897.40	230.76	-868.78	230.76	0.84	-0.84	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19 TMD: 13,002.0 (ft) Closure Distance: 854.6 (ft)										Location: 6- 15-S 20-E 6 Spud Date: 7/18/2005 Calculation Method: Minimum Curvature	
TVD: 12,913.42 (ft) Closure Direction: 288.84 (°)										S/T #	V.S. AZI (°)
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	11,015.0	1.06	162.22	YNN	10,928.39	230.05	-868.58	230.05	1.98	-1.97	MWD
OH	11,046.0	0.88	139.77	YNN	10,959.39	229.60	-868.34	229.60	1.34	-0.58	MWD
OH	11,110.0	1.06	90.76	YNN	11,023.38	229.22	-867.43	229.22	1.28	0.28	MWD
OH	11,141.0	1.23	78.64	YNN	11,054.37	229.28	-866.82	229.28	0.95	0.55	MWD
OH	11,173.0	1.58	74.09	YNN	11,086.36	229.47	-866.06	229.47	1.15	1.09	MWD
OH	11,207.0	1.67	71.64	YNN	11,120.35	229.75	-865.14	229.75	0.33	0.26	MWD
OH	11,270.0	1.76	60.91	YNN	11,183.32	230.51	-863.42	230.51	0.53	0.14	MWD
OH	11,361.0	2.11	49.04	YNN	11,274.27	232.29	-860.93	232.29	0.58	0.38	MWD
OH	11,461.0	2.81	40.62	YNN	11,374.18	235.36	-857.95	235.36	0.79	0.70	MWD
OH	11,557.0	3.69	33.85	YNN	11,470.02	239.71	-854.69	239.71	1.00	0.92	MWD
OH	11,588.0	4.04	30.67	YNN	11,500.95	241.48	-853.58	241.48	1.32	1.13	MWD
OH	11,620.0	4.31	28.38	YNN	11,532.87	243.50	-852.43	243.50	0.99	0.84	MWD
OH	11,650.0	4.92	27.06	YNN	11,562.77	245.64	-851.31	245.64	2.06	2.03	MWD
OH	11,681.0	4.84	28.22	YNN	11,593.66	247.98	-850.09	247.98	0.41	-0.26	MWD
OH	11,713.0	4.13	26.78	YNN	11,625.56	250.20	-848.93	250.20	2.25	-2.22	MWD
OH	11,743.0	3.34	26.41	YNN	11,655.50	251.94	-848.06	251.94	2.63	-2.63	MWD
OH	11,775.0	2.37	24.80	YNN	11,687.46	253.38	-847.37	253.38	3.04	-3.03	MWD
OH	11,807.0	2.20	30.08	YNN	11,719.43	254.51	-846.78	254.51	0.85	-0.53	MWD
OH	11,839.0	2.29	33.44	YNN	11,751.41	255.58	-846.12	255.58	0.50	0.28	MWD
OH	11,871.0	2.37	30.35	YNN	11,783.38	256.68	-845.43	256.68	0.47	0.25	MWD
OH	11,902.0	2.02	26.38	YNN	11,814.36	257.72	-844.87	257.72	1.23	-1.13	MWD
OH	11,934.0	2.02	30.70	YNN	11,846.34	258.71	-844.33	258.71	0.48	0.00	MWD
OH	11,966.0	2.02	30.26	YNN	11,878.32	259.68	-843.76	259.68	0.05	0.00	MWD
OH	11,998.0	2.20	28.41	YNN	11,910.30	260.71	-843.18	260.71	0.60	0.56	MWD
OH	12,030.0	2.29	26.73	YNN	11,942.27	261.82	-842.60	261.82	0.35	0.28	MWD
OH	12,043.0	2.37	30.00	YNN	11,955.26	262.29	-842.35	262.29	1.19	0.62	MWD
OH	12,075.0	2.55	30.01	YNN	11,987.23	263.48	-841.66	263.48	0.56	0.56	MWD
OH	12,106.0	2.90	33.99	YNN	12,018.20	264.72	-840.88	264.72	1.28	1.13	MWD
OH	12,138.0	2.81	35.84	YNN	12,050.16	266.03	-839.97	266.03	0.40	-0.28	MWD
OH	12,169.0	2.99	30.73	YNN	12,081.12	267.34	-839.11	267.34	1.02	0.58	MWD
OH	12,201.0	2.90	34.79	YNN	12,113.07	268.72	-838.22	268.72	0.71	-0.28	MWD
OH	12,233.0	2.99	32.68	YNN	12,145.03	270.09	-837.31	270.09	0.44	0.28	MWD
OH	12,265.0	3.08	39.30	YNN	12,176.99	271.46	-836.31	271.46	1.13	0.28	MWD

**Deviation Summary**

Well Name: WF 1P-1-15-19	Location: 6- 15-S 20-E 6	S/T #	V.S. AZI (°)
TMD: 13,002.0 (ft)	TVD: 12,913.42 (ft)	OH	0.00
Closure Distance: 854.6 (ft)	Closure Direction: 288.84 (°)	Calculation Method: Minimum Curvature	

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	12,297.0	2.55	49.19	YNN	12,208.95	272.59	-835.23	272.59	2.24	-1.66	MWD
OH	12,329.0	2.20	56.22	YNN	12,240.92	273.40	-834.18	273.40	1.42	-1.09	MWD
OH	12,361.0	2.08	65.89	YNN	12,272.90	273.98	-833.14	273.98	1.19	-0.38	MWD
OH	12,393.0	2.29	64.30	YNN	12,304.88	274.49	-832.03	274.49	0.68	0.66	MWD
OH	12,425.0	2.29	66.40	YNN	12,336.85	275.02	-830.87	275.02	0.26	0.00	MWD
OH	12,457.0	2.29	71.24	YNN	12,368.82	275.48	-829.68	275.48	0.60	0.00	MWD
OH	12,489.0	2.29	75.40	YNN	12,400.80	275.85	-828.46	275.85	0.52	0.00	MWD
OH	12,520.0	2.20	78.52	YNN	12,431.78	276.13	-827.27	276.13	0.49	-0.29	MWD
OH	12,552.0	2.11	82.40	YNN	12,463.75	276.33	-826.09	276.33	0.54	-0.28	MWD
OH	12,583.0	2.11	78.21	YNN	12,494.73	276.52	-824.96	276.52	0.50	0.00	MWD
OH	12,616.0	2.00	81.63	YNN	12,527.71	276.73	-823.80	276.73	0.50	-0.33	MWD
OH	12,648.0	2.37	87.09	YNN	12,559.69	276.84	-822.59	276.84	1.33	1.16	MWD
OH	12,680.0	2.45	98.15	YNN	12,591.66	276.78	-821.25	276.78	1.47	0.25	MWD
OH	13,002.0	2.00	88.90	YNN	12,913.42	275.91	-808.82	275.91	0.18	-0.14	MSS

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

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

**1/1/2007**

**FROM:** (Old Operator):  
 N2460-QEP Uinta Basin, Inc.  
 1050 17th St, Suite 500  
 Denver, CO 80265

**TO:** ( New Operator):  
 N5085-Questar E&P Company  
 1050 17th St, Suite 500  
 Denver, CO 80265

Phone: 1 (303) 672-6900

Phone: 1 (303) 672-6900

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

**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: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- 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 4/23/2007 BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- 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: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

**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: THIS IS A COMPANY NAME CHANGE.**

**SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED**

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
FEDERAL 2-29-7-22	FEDERAL 2-29-7-22	NESW	29	070S	220E	4304715423	5266	Federal	GW	S
UTAH FED D-1	UTAH FED D-1	SWSW	14	070S	240E	4304715936	10699	Federal	GW	S
UTAH FED D-2	UTAH FED D-2	NESW	25	070S	240E	4304715937	9295	Federal	GW	S
PRINCE 1	PRINCE 1	SWSW	10	070S	240E	4304716199	7035	Federal	GW	P
UTAH FED D-4	UTAH FED D-4	SWSE	14	070S	240E	4304731215	9297	Federal	GW	S
FZ BB 1	<b>BRENNAN FZ-BB1</b>	NESE	20	070S	210E	4304731805	10952	Federal	GW	TA
EAST COYOTE FED 14-4-8-25	EAST COYOTE FED 14-4-8-25	SESW	04	080S	250E	4304732493	11630	Federal	OW	P
F S PRINCE 4	<b>PRINCE 4</b>	SWSW	03	070S	240E	4304732677	7035	Federal	OW	P
GYPSUM HILLS 21	<b>GH 21 WG</b>	SWSW	21	080S	210E	4304732692	11819	Federal	GW	P
SAGE GROUSE FED 6-14-8-22	<b>OU SG 6 14 8 22</b>	SESW	14	080S	220E	4304732746	11944	Federal	GW	P
GYPSUM HILLS 22WG	<b>GH 22 WG</b>	SWNW	22	080S	210E	4304732818	12336	Federal	GW	P
SAGE GROUSE 12A-14-8-22	SAGE GROUSE 12A-14-8-22	NWSW	14	080S	220E	4304733177	12524	Federal	GW	S
OU GB 12W-20-8-22	OU GB 12W-20-8-22	NWSW	20	080S	220E	4304733249	13488	Federal	GW	P
GBU 15-18-8-22	<b>OU GB 15 18 8 22</b>	SWSE	18	080S	220E	4304733364	12690	Federal	GW	P
GLEN BENCH FED 3W-17-8-22	<b>OU GB 3W 17 8 22</b>	NENW	17	080S	220E	4304733513	12950	Federal	GW	P
GLEN BENCH FED 5W-17-8-22	<b>OU GB 5W 17 8 22</b>	SWNW	17	080S	220E	4304733514	12873	Federal	GW	P
WV FED 9W-8-8-22	<b>WV 9W 8 8 22</b>	NESE	08	080S	220E	4304733515	13395	Federal	GW	P
GB FED 9W-18-8-22	<b>OU GB 9W 18 8 22</b>	NESE	18	080S	220E	4304733516	12997	Federal	GW	P
OU GB 3W-20-8-22	OU GB 3W-20-8-22	NENW	20	080S	220E	4304733526	13514	Federal	GW	P
GLEN BENCH 12W-30-8-22	<b>OU GB 12W 30 8 22</b>	NWSW	30	080S	220E	4304733670	13380	Federal	GW	P
WV FU 10W-8-8-22	<b>WV 10W 8 8 22</b>	NWSE	08	080S	220E	4304733814	13450	Federal	GW	P
GH 7W-21-8-21	GH 7W-21-8-21	SWNE	21	080S	210E	4304733845	13050	Federal	GW	P
GH 9W-21-8-21	GH 9W-21-8-21	NESE	21	080S	210E	4304733846	13074	Federal	GW	P
GH 11W-21-8-21	GH 11W-21-8-21	NESW	21	080S	210E	4304733847	13049	Federal	GW	P
GH 15W-21-8-21	GH 15W-21-8-21	SWSE	21	080S	210E	4304733848	13051	Federal	GW	P
WV 7W-22-8-21	WV 7W-22-8-21	SWNE	22	080S	210E	4304733907	13230	Federal	GW	P
WV 9W-23-8-21	WV 9W-23-8-21	NESE	23	080S	210E	4304733909	13160	Federal	GW	P
GHU 14W-20-8-21	<b>GH 14W 20 8 21</b>	SESW	20	080S	210E	4304733915	13073	Federal	GW	P
GB 4W-30-8-22	<b>OU GB 4W 30 8 22</b>	NWNW	30	080S	220E	4304733945	13372	Federal	GW	P
GB 9W-19-8-22	<b>OU GB 9W 19 8 22</b>	NESE	19	080S	220E	4304733946	13393	Federal	GW	P
GB 10W-30-8-22	<b>OU GB 10W 30 8 22</b>	NWSE	30	080S	220E	4304733947	13389	Federal	GW	P
GB 12W-19-8-22	<b>OU GB 12W 19 8 22</b>	NWSW	19	080S	220E	4304733948	13388	Federal	GW	P
GB 9W-25-8-21	GB 9W-25-8-21	NESE	25	080S	210E	4304733960	13390	Federal	GW	P
WV 1W-5-8-22	<b>SU 1W 5 8 22</b>	NENE	05	080S	220E	4304733985	13369	Federal	GW	P
WV 3W-5-8-22	<b>SU 3W 5 8 22</b>	NENW	05	080S	220E	4304733987	13321	Federal	OW	S
WV 7W-5-8-22	<b>SU 7W 5 8 22</b>	SWNE	05	080S	220E	4304733988	13235	Federal	GW	P
WV 9W-5-8-22	<b>SU 9W 5 8 22</b>	NESE	05	080S	220E	4304733990	13238	Federal	GW	P
WV 11W-5-8-22	<b>SU 11W 5 8 22</b>	NESW	05	080S	220E	4304733992	13239	Federal	GW	S
WV 13W-5-8-22	<b>SU 13W 5 8 22</b>	SWSW	05	080S	220E	4304733994	13236	Federal	GW	S
WV 15W-5-8-22	<b>SU 15W 5 8 22</b>	SWSE	05	080S	220E	4304733996	13240	Federal	GW	P
WV 8W-8-8-22	WV 8W-8-8-22	SENE	08	080S	220E	4304734005	13320	Federal	GW	P
WV 14W-8-8-22	WV 14W-8-8-22	SESW	08	080S	220E	4304734007	13322	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU GB 6W-20-8-22	OU GB 6W-20-8-22	SEnw	20	080S	220E	4304734018	13518	Federal	GW	P
GB 5W-30-8-22	<b>OU GB 5W 30 8 22</b>	SWNW	30	080S	220E	4304734025	13502	Federal	GW	P
GB 11W-20-8-22	<b>OU GB 11W 20 8 22</b>	NESW	20	080S	220E	4304734039	13413	Federal	GW	P
OU GB 4W-20-8-22	OU GB 4W-20-8-22	NWNW	20	080S	220E	4304734043	13520	Federal	GW	P
GH 5W-21-8-21	GH 5W-21-8-21	SWNW	21	080S	210E	4304734147	13387	Federal	GW	P
GH 6W-21-8-21	GH 6W-21-8-21	SEnw	21	080S	210E	4304734148	13371	Federal	GW	P
GH 8W-21-8-21	GH 8W-21-8-21	SENE	21	080S	210E	4304734149	13293	Federal	GW	P
GH 10W-20-8-21	GH 10W-20-8-21	NWSE	20	080S	210E	4304734151	13328	Federal	GW	P
GH 10W-21-8-21	GH 10W-21-8-21	NWSE	21	080S	210E	4304734152	13378	Federal	GW	P
GH 12W-21-8-21	GH 12W-21-8-21	NWSW	21	080S	210E	4304734153	13294	Federal	GW	P
GH 14W-21-8-21	GH 14W-21-8-21	SESW	21	080S	210E	4304734154	13292	Federal	GW	P
GH 16W-21-8-21	GH 16W-21-8-21	SESE	21	080S	210E	4304734157	13329	Federal	GW	P
GB 5W-20-8-22	<b>OU GB 5W 20 8 22</b>	SWNW	20	080S	220E	4304734209	13414	Federal	GW	P
WV 6W-22-8-21	WV 6W-22-8-21	SEnw	22	080S	210E	4304734272	13379	Federal	GW	P
GH 1W-20-8-21	GH 1W-20-8-21	NENE	20	080S	210E	4304734327	13451	Federal	GW	P
GH 2W-20-8-21	GH 2W-20-8-21	NWNE	20	080S	210E	4304734328	13527	Federal	GW	P
GH 3W-20-8-21	GH 3W-20-8-21	NENW	20	080S	210E	4304734329	13728	Federal	GW	P
GH 7W-20-8-21	GH 7W-20-8-21	SWNE	20	080S	210E	4304734332	13537	Federal	GW	P
GH 9W-20-8-21	GH 9W-20-8-21	NESE	20	080S	210E	4304734333	13411	Federal	GW	P
GH 11W-20-8-21	GH 11W-20-8-21	NESW	20	080S	210E	4304734334	13410	Federal	GW	P
GH 15W-20-8-21	GH 15W-20-8-21	SWSE	20	080S	210E	4304734335	13407	Federal	GW	P
GH 16W-20-8-21	GH 16W-20-8-21	SESE	20	080S	210E	4304734336	13501	Federal	GW	P
WV 12W-23-8-21	WV 12W-23-8-21	NWSW	23	080S	210E	4304734343	13430	Federal	GW	P
OU GB 13W-20-8-22	OU GB 13W-20-8-22	SWSW	20	080S	220E	4304734348	13495	Federal	GW	P
OU GB 14W-20-8-22	OU GB 14W-20-8-22	SESW	20	080S	220E	4304734349	13507	Federal	GW	P
OU GB 11W-29-8-22	OU GB 11W-29-8-22	NESW	29	080S	220E	4304734350	13526	Federal	GW	P
WV 11G-5-8-22	<b>WVX 11G 5 8 22</b>	NESW	05	080S	220E	4304734388	13422	Federal	OW	P
WV 13G-5-8-22	<b>WVX 13G 5 8 22</b>	SWSW	05	080S	220E	4304734389	13738	Federal	OW	P
WV 15G-5-8-22	<b>WVX 15G 5 8 22</b>	SWSE	05	080S	220E	4304734390	13459	Federal	OW	P
SU BRENNAN W 15W-18-7-22	SU BRENNAN W 15W-18-7-22	SWSE	18	070S	220E	4304734403	13442	Federal	GW	TA
STIRRUP U 16W-5-8-22	<b>SU 16W 5 8 22</b>	SESE	05	080S	220E	4304734446	13654	Federal	GW	P
STIRRUP U 2W-5-8-22	<b>SU 2W 5 8 22</b>	NWNE	05	080S	220E	4304734455	13700	Federal	GW	P
WV 10W-5-8-22	<b>SU 10W 5 8 22</b>	NWSE	05	080S	220E	4304734456	13540	Federal	GW	P
WV 16W-8-8-22	WV 16W-8-8-22	SESE	08	080S	220E	4304734470	13508	Federal	GW	P
GB 16WX-30-8-22	<b>OU GB 16WX 30 8 22</b>	SESE	30	080S	220E	4304734506	13431	Federal	GW	P
OU GB 1W-19-8-22	OU GB 1W-19-8-22	NENE	19	080S	220E	4304734512	13469	Federal	GW	P
OU GB 2W-19-8-22	OU GB 2W-19-8-22	NWNE	19	080S	220E	4304734513	13461	Federal	GW	P
OU GB 5W-19-8-22	OU GB 5W-19-8-22	SWNW	19	080S	220E	4304734514	13460	Federal	GW	P
OU GB 7W-19-8-22	OU GB 7W-19-8-22	SWNE	19	080S	220E	4304734515	13462	Federal	GW	P
OU GB 8W-19-8-22	OU GB 8W-19-8-22	SENE	19	080S	220E	4304734516	13489	Federal	GW	P
OU GB 11W-19-8-22	OU GB 11W-19-8-22	NESW	19	080S	220E	4304734517	13467	Federal	GW	P
OU GB 16W-19-8-22	OU GB 16W-19-8-22	SESE	19	080S	220E	4304734522	13476	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
GB 1W-30-8-22	<b>OU GB 1W 30 8 22</b>	NENE	30	080S	220E	4304734528	13487	Federal	GW	P
GB 3W-30-8-22	<b>OU GB 3W 30 8 22</b>	NENW	30	080S	220E	4304734529	13493	Federal	GW	P
GB 6W-30-8-22	<b>OU GB 6W 30 8 22</b>	SENE	30	080S	220E	4304734530	13519	Federal	GW	P
GB 7W-30-8-22	<b>OU GB 7W 30 8 22</b>	SWNE	30	080S	220E	4304734531	13494	Federal	GW	P
GB 8W-30-8-22	<b>OU GB 8W 30 8 22</b>	SENE	30	080S	220E	4304734532	13483	Federal	GW	P
GB 9W-30-8-22	<b>OU GB 9W 30 8 22</b>	NESE	30	080S	220E	4304734533	13500	Federal	GW	P
OU GB 6W-19-8-22	OU GB 6W-19-8-22	SENE	19	080S	220E	4304734534	13475	Federal	GW	P
OU GB 10W-19-8-22	OU GB 10W-19-8-22	NWSE	19	080S	220E	4304734535	13479	Federal	GW	P
OU GB 13W-19-8-22	OU GB 13W-19-8-22	SWSW	19	080S	220E	4304734536	13478	Federal	GW	P
OU GB 14W-19-8-22	OU GB 14W-19-8-22	SESW	19	080S	220E	4304734537	13484	Federal	GW	P
OU GB 15W-19-8-22	OU GB 15W-19-8-22	SWSE	19	080S	220E	4304734538	13482	Federal	GW	P
OU GB 12W-17-8-22	OU GB 12W-17-8-22	NWSW	17	080S	220E	4304734542	13543	Federal	GW	P
OU GB 6W-17-8-22	OU GB 6W-17-8-22	SENE	17	080S	220E	4304734543	13536	Federal	GW	P
OU GB 13W-17-8-22	OU GB 13W-17-8-22	SWSW	17	080S	220E	4304734544	13547	Federal	GW	P
OU GB 6W-29-8-22	OU GB 6W-29-8-22	SENE	29	080S	220E	4304734545	13535	Federal	GW	P
OU GB 3W-29-8-22	OU GB 3W-29-8-22	NENW	29	080S	220E	4304734546	13509	Federal	GW	P
OU GB 13W-29-8-22	OU GB 13W-29-8-22	SWSW	29	080S	220E	4304734547	13506	Federal	GW	P
OU GB 4W-29-8-22	OU GB 4W-29-8-22	NWNW	29	080S	220E	4304734548	13534	Federal	GW	P
OU GB 5W-29-8-22	OU GB 5W-29-8-22	SWNW	29	080S	220E	4304734549	13505	Federal	GW	P
OU GB 14W-17-8-22	OU GB 14W-17-8-22	SESW	17	080S	220E	4304734550	13550	Federal	GW	P
OU GB 11W-17-8-22	OU GB 11W-17-8-22	NESW	17	080S	220E	4304734553	13671	Federal	GW	P
OU GB 14W-29-8-22	OU GB 14W-29-8-22	SESW	29	080S	220E	4304734554	13528	Federal	GW	P
OU GB 2W-17-8-22	OU GB 2W-17-8-22	NWNE	17	080S	220E	4304734559	13539	Federal	GW	P
OU GB 7W-17-8-22	OU GB 7W-17-8-22	SWNE	17	080S	220E	4304734560	13599	Federal	GW	P
OU GB 16W-18-8-22	OU GB 16W-18-8-22	SESE	18	080S	220E	4304734563	13559	Federal	GW	P
OU GB 1W-29-8-22	OU GB 1W-29-8-22	NENE	29	080S	220E	4304734573	13562	Federal	GW	P
OU GB 7W-29-8-22	OU GB 7W-29-8-22	SWNE	29	080S	220E	4304734574	13564	Federal	GW	P
OU GB 8W-29-8-22	OU GB 8W-29-8-22	SENE	29	080S	220E	4304734575	13609	Federal	GW	S
OU GB 9W-29-8-22	OU GB 9W-29-8-22	NESE	29	080S	220E	4304734576	13551	Federal	GW	P
OU GB 10W-29-8-22	OU GB 10W-29-8-22	NWSE	29	080S	220E	4304734577	13594	Federal	GW	P
OU GB 15W-29-8-22	OU GB 15W-29-8-22	SWSE	29	080S	220E	4304734578	13569	Federal	GW	P
OU GB 2W-20-8-22	OU GB 2W-20-8-22	NWNE	20	080S	220E	4304734599	13664	Federal	GW	P
OU GB 2W-29-8-22	OU GB 2W-29-8-22	NWNE	29	080S	220E	4304734600	13691	Federal	GW	P
OU GB 15W-17-8-22	OU GB 15W-17-8-22	SWSE	17	080S	220E	4304734601	13632	Federal	GW	P
OU GB 16W-17-8-22	OU GB 16W-17-8-22	SESE	17	080S	220E	4304734602	13639	Federal	GW	P
OU GB 16W-29-8-22	OU GB 16W-29-8-22	SESE	29	080S	220E	4304734603	13610	Federal	GW	P
OU GB 1W-20-8-22	OU GB 1W-20-8-22	NENE	20	080S	220E	4304734604	13612	Federal	GW	P
OU GB 1W-17-8-22	OU GB 1W-17-8-22	NENE	17	080S	220E	4304734623	13701	Federal	GW	P
OU GB 9W-17-8-22	OU GB 9W-17-8-22	NESE	17	080S	220E	4304734624	13663	Federal	GW	P
OU GB 10W-17-8-22	OU GB 10W-17-8-22	NWSE	17	080S	220E	4304734625	13684	Federal	GW	P
OU GB 9W-20-8-22	OU GB 9W-20-8-22	NESE	20	080S	220E	4304734630	13637	Federal	GW	P
OU GB 10W-20-8-22	OU GB 10W-20-8-22	NWSE	20	080S	220E	4304734631	13682	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU GB 15W-20-8-22	OU GB 15W-20-8-22	SWSE	20	080S	220E	4304734632	13613	Federal	GW	P
WIH 15MU-21-8-22	<b>OU WIH 15MU 21 8 22</b>	SWSE	21	080S	220E	4304734634	13991	Federal	GW	P
OU WIH 13W-21-8-22	OU WIH 13W-21-8-22	SWSW	21	080S	220E	4304734646	13745	Federal	GW	P
OU GB 11W-15-8-22	OU GB 11W-15-8-22	NESW	15	080S	220E	4304734648	13822	Federal	GW	P
OU GB 13W-9-8-22	OU GB 13W-9-8-22	SWSW	09	080S	220E	4304734654	13706	Federal	GW	P
OU WIH 14W-21-8-22	OU WIH 14W-21-8-22	SESW	21	080S	220E	4304734664	13720	Federal	GW	P
OU GB 12WX-29-8-22	OU GB 12WX-29-8-22	NWSW	29	080S	220E	4304734668	13555	Federal	GW	P
OU WIH 10W-21-8-22	OU WIH 10W-21-8-22	NWSE	21	080S	220E	4304734681	13662	Federal	GW	P
OU GB 4G-21-8-22	OU GB 4G-21-8-22	NWNW	21	080S	220E	4304734685	13772	Federal	OW	P
OU GB 3W-21-8-22	OU GB 3W-21-8-22	NENW	21	080S	220E	4304734686	13746	Federal	GW	P
OU GB 16SG-30-8-22	OU GB 16SG-30-8-22	SESE	30	080S	220E	4304734688	13593	Federal	GW	S
OU WIH 7W-21-8-22	OU WIH 7W-21-8-22	SWNE	21	080S	220E	4304734689	13716	Federal	GW	P
OU GB 5W-21-8-22	OU GB 5W-21-8-22	SWNW	21	080S	220E	4304734690	13770	Federal	GW	P
WIH 1MU-21-8-22	WIH 1MU-21-8-22	NENE	21	080S	220E	4304734693	14001	Federal	GW	P
OU GB 5G-19-8-22	OU GB 5G-19-8-22	SWNW	19	080S	220E	4304734695	13786	Federal	OW	P
OU GB 7W-20-8-22	OU GB 7W-20-8-22	SWNE	20	080S	220E	4304734705	13710	Federal	GW	P
OU SG 14W-15-8-22	OU SG 14W-15-8-22	SESW	15	080S	220E	4304734710	13821	Federal	GW	P
OU SG 15W-15-8-22	OU SG 15W-15-8-22	SWSE	15	080S	220E	4304734711	13790	Federal	GW	P
OU SG 16W-15-8-22	OU SG 16W-15-8-22	SESE	15	080S	220E	4304734712	13820	Federal	GW	P
OU SG 4W-15-8-22	OU SG 4W-15-8-22	NWNW	15	080S	220E	4304734713	13775	Federal	GW	P
OU SG 12W-15-8-22	OU SG 12W-15-8-22	NWSW	15	080S	220E	4304734714	13838	Federal	GW	P
OU GB 5MU-15-8-22	OU GB 5MU-15-8-22	SWNW	15	080S	220E	4304734715	13900	Federal	GW	P
OU SG 8W-15-8-22	OU SG 8W-15-8-22	SENE	15	080S	220E	4304734717	13819	Federal	GW	P
OU SG 9W-15-8-22	OU SG 9W-15-8-22	NESE	15	080S	220E	4304734718	13773	Federal	GW	P
OU SG 10W-15-8-22	OU SG 10W-15-8-22	NWSE	15	080S	220E	4304734719	13722	Federal	GW	P
OU SG 2MU-15-8-22	OU SG 2MU-15-8-22	NWNE	15	080S	220E	4304734721	13887	Federal	GW	P
OU SG 7W-15-8-22	OU SG 7W-15-8-22	SWNE	15	080S	220E	4304734722	13920	Federal	GW	P
OU GB 14SG-29-8-22	OU GB 14SG-29-8-22	SESW	29	080S	220E	4304734743	14034	Federal	GW	P
OU GB 16SG-29-8-22	OU GB 16SG-29-8-22	SESE	29	080S	220E	4304734744	13771	Federal	GW	P
OU GB 13W-10-8-22	OU GB 13W-10-8-22	SWSW	10	080S	220E	4304734754	13774	Federal	GW	P
OU GB 6MU-21-8-22	OU GB 6MU-21-8-22	SENE	21	080S	220E	4304734755	14012	Federal	GW	P
OU SG 10W-10-8-22	OU SG 10W-10-8-22	NWSE	10	080S	220E	4304734764	13751	Federal	GW	P
OU GB 14M-10-8-22	OU GB 14M-10-8-22	SESW	10	080S	220E	4304734768	13849	Federal	GW	P
OU SG 9W-10-8-22	OU SG 9W-10-8-22	NESE	10	080S	220E	4304734783	13725	Federal	GW	P
OU SG 16W-10-8-22	OU SG 16W-10-8-22	SESE	10	080S	220E	4304734784	13781	Federal	GW	P
GB 3M-27-8-21	GB 3M-27-8-21	NENW	27	080S	210E	4304734900	14614	Federal	GW	P
WVX 11D-22-8-21	WVX 11D-22-8-21	NESW	22	080S	210E	4304734902	14632	Federal	GW	DRL
GB 11M-27-8-21	GB 11M-27-8-21	NESW	27	080S	210E	4304734952	13809	Federal	GW	P
GB 9D-27-8-21	GB 9D-27-8-21	NESE	27	080S	210E	4304734956	14633	Federal	GW	DRL
GB 1D-27-8-21	GB 1D-27-8-21	NENE	27	080S	210E	4304734957	14634	Federal	GW	DRL
WRU EIH 2M-35-8-22	WRU EIH 2M-35-8-22	NWNE	35	080S	220E	4304735052	13931	Federal	GW	P
GYPSUM HILLS 12MU-20-8-21	<b>GH 12MU 20 8 21</b>	NWSW	20	080S	210E	4304735069	14129	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU SG 4W-11-8-22	OU SG 4W-11-8-22	NWNW	11	080S	220E	4304735071	14814	Federal	GW	DRL
OU SG 5W-11-8-22	OU SG 5W-11-8-22	SWNW	11	080S	220E	4304735072	14815	Federal	GW	DRL
OU SG 6W-11-8-22	<b>SG 6ML 11 8 22</b>	SENE	11	080S	220E	4304735073	14825	Federal	GW	P
OU SG 5MU-14-8-22	OU SG 5MU-14-8-22	SWNW	14	080S	220E	4304735076	13989	Federal	GW	P
OU SG 6MU-14-8-22	OU SG 6MU-14-8-22	SENE	14	080S	220E	4304735077	14128	Federal	GW	P
SG 12MU-14-8-22	SG 12MU-14-8-22	NWSW	14	080S	220E	4304735078	13921	Federal	GW	P
OU SG 13MU-14-8-22	OU SG 13MU-14-8-22	SWSW	14	080S	220E	4304735079	13990	Federal	GW	P
OU SG 9MU-11-8-22	OU SG 9MU-11-8-22	NESE	11	080S	220E	4304735091	13967	Federal	GW	P
SG 11SG-23-8-22	SG 11SG-23-8-22	NESW	23	080S	220E	4304735099	13901	Federal	GW	S
OU SG 14W-11-8-22	OU SG 14W-11-8-22	SESW	11	080S	220E	4304735114	14797	Federal	GW	DRL
SG 5MU-23-8-22	SG 5MU-23-8-22	SWNW	23	080S	220E	4304735115	14368	Federal	GW	P
SG 6MU-23-8-22	SG 6MU-23-8-22	SENE	23	080S	220E	4304735116	14231	Federal	GW	P
SG 14MU-23-8-22	SG 14MU-23-8-22	SESW	23	080S	220E	4304735117	14069	Federal	GW	P
SG 13MU-23-8-22	SG 13MU-23-8-22	SWSW	23	080S	220E	4304735190	14103	Federal	GW	P
WH 7G-10-7-24	WH 7G-10-7-24	SWNE	10	070S	240E	4304735241	14002	Federal	GW	P
GB 4D-28-8-21	GB 4D-28-8-21	NWNW	28	080S	210E	4304735246	14645	Federal	GW	P
GB 7M-28-8-21	GB 7M-28-8-21	SWNE	28	080S	210E	4304735247	14432	Federal	GW	P
GB 14M-28-8-21	GB 14M-28-8-21	SESW	28	080S	210E	4304735248	13992	Federal	GW	P
SG 11MU-23-8-22	SG 11MU-23-8-22	NESW	23	080S	220E	4304735257	13973	Federal	GW	P
SG 15MU-14-8-22	SG 15MU-14-8-22	SWSE	14	080S	220E	4304735328	14338	Federal	GW	P
EIHX 14MU-25-8-22	EIHX 14MU-25-8-22	SESW	25	080S	220E	4304735330	14501	Federal	GW	P
EIHX 11MU-25-8-22	EIHX 11MU-25-8-22	NESW	25	080S	220E	4304735331	14470	Federal	GW	P
NBE 12ML-10-9-23	NBE 12ML-10-9-23	NWSW	10	090S	230E	4304735333	14260	Federal	GW	P
NBE 13ML-17-9-23	NBE 13ML-17-9-23	SWSW	17	090S	230E	4304735334	14000	Federal	GW	P
NBE 4ML-26-9-23	NBE 4ML-26-9-23	NWNW	26	090S	230E	4304735335	14215	Federal	GW	P
SG 7MU-11-8-22	SG 7MU-11-8-22	SWNE	11	080S	220E	4304735374	14635	Federal	GW	P
SG 1MU-11-8-22	SG 1MU-11-8-22	NENE	11	080S	220E	4304735375	14279	Federal	GW	P
OU SG 13W-11-8-22	OU SG 13W-11-8-22	SWSW	11	080S	220E	4304735377	14796	Federal	GW	DRL
SG 3MU-11-8-22	SG 3MU-11-8-22	NENW	11	080S	220E	4304735379	14978	Federal	GW	P
SG 8MU-11-8-22	SG 8MU-11-8-22	SENE	11	080S	220E	4304735380	14616	Federal	GW	P
SG 2MU-11-8-22	SG 2MU-11-8-22	NWNE	11	080S	220E	4304735381	14636	Federal	GW	P
SG 10MU-11-8-22	SG 10MU-11-8-22	NWSE	11	080S	220E	4304735382	14979	Federal	GW	P
OU GB 8MU-10-8-22	OU GB 8MU-10-8-22	SENE	10	080S	220E	4304735422	15321	Federal	GW	DRL
EIHX 2MU-25-8-22	EIHX 2MU-25-8-22	NWNE	25	080S	220E	4304735427	14666	Federal	GW	P
EIHX 1MU-25-8-22	EIHX 1MU-25-8-22	NENE	25	080S	220E	4304735428	14705	Federal	GW	P
EIHX 7MU-25-8-22	EIHX 7MU-25-8-22	SWNE	25	080S	220E	4304735429	14682	Federal	GW	P
EIHX 8MU-25-8-22	EIHX 8MU-25-8-22	SENE	25	080S	220E	4304735430	14706	Federal	GW	P
EIHX 9MU-25-8-22	EIHX 9MU-25-8-22	NESE	25	080S	220E	4304735433	14558	Federal	GW	P
EIHX 16MU-25-8-22	EIHX 16MU-25-8-22	SESE	25	080S	220E	4304735434	14502	Federal	GW	P
EIHX 15MU-25-8-22	EIHX 15MU-25-8-22	SWSE	25	080S	220E	4304735435	14571	Federal	GW	P
EIHX 10MU-25-8-22	EIHX 10MU-25-8-22	NWSE	25	080S	220E	4304735436	14537	Federal	GW	P
GB 3MU-3-8-22	GB 3MU-3-8-22	NENW	03	080S	220E	4304735457	14575	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
NBE 15M-17-9-23	NBE 15M-17-9-23	SWSE	17	090S	230E	4304735463	14423	Federal	GW	P
NBE 7ML-17-9-23	NBE 7ML-17-9-23	SWNE	17	090S	230E	4304735464	14232	Federal	GW	P
NBE 3ML-17-9-23	NBE 3ML-17-9-23	NENW	17	090S	230E	4304735465	14276	Federal	GW	P
NBE 11M-17-9-23	NBE 11M-17-9-23	NESW	17	090S	230E	4304735466	14431	Federal	GW	P
NBE 10ML-10-9-23	NBE 10ML-10-9-23	NWSE	10	090S	230E	4304735650	14377	Federal	GW	P
NBE 6ML-10-9-23	NBE 6ML-10-9-23	SENE	10	090S	230E	4304735651	14422	Federal	GW	P
NBE 12ML-17-9-23	NBE 12ML-17-9-23	NWSW	17	090S	230E	4304735652	14278	Federal	GW	P
NBE 6ML-26-9-23	NBE 6ML-26-9-23	SENE	26	090S	230E	4304735664	14378	Federal	GW	P
NBE 11ML-26-9-23	NBE 11ML-26-9-23	NESW	26	090S	230E	4304735665	14340	Federal	GW	P
NBE 15ML-26-9-23	NBE 15ML-26-9-23	SWSE	26	090S	230E	4304735666	14326	Federal	GW	P
SG 4MU-23-8-22	SG 4MU-23-8-22	NWNW	23	080S	220E	4304735758	14380	Federal	GW	P
RWS 8ML-14-9-24	RWS 8ML-14-9-24	SENE	14	090S	240E	4304735803	14539	Federal	GW	S
SG 11MU-14-8-22	SG 11MU-14-8-22	NESW	14	080S	220E	4304735829	14486	Federal	GW	P
RB DS FED 1G-7-10-18	RB DS FED 1G-7-10-18	NENE	07	100S	180E	4304735932	14457	Federal	OW	S
RB DS FED 14G-8-10-18	RB DS FED 14G-8-10-18	SESW	08	100S	180E	4304735933	14433	Federal	OW	P
OU SG 14MU-14-8-22	OU SG 14MU-14-8-22	SESW	14	080S	220E	4304735950	14479	Federal	GW	P
COY 10ML-14-8-24	COY 10ML-14-8-24	NWSE	14	080S	240E	4304736038		Federal	GW	APD
COY 12ML-24-8-24	COY 12ML-24-8-24	NWSW	24	080S	240E	4304736039	14592	Federal	OW	P
WIH 1AMU-21-8-22	WIH 1AMU-21-8-22	NENE	21	080S	220E	4304736060	14980	Federal	GW	P
NBE 4ML-10-9-23	NBE 4ML-10-9-23	NWNW	10	090S	230E	4304736098	15732	Federal	GW	P
NBE 8ML-10-9-23	NBE 8ML-10-9-23	SENE	10	090S	230E	4304736099	15733	Federal	GW	P
NBE 16ML-10-9-23	NBE 16ML-10-9-23	SESE	10	090S	230E	4304736100	14728	Federal	GW	P
NBE 8ML-12-9-23	NBE 8ML-12-9-23	SENE	12	090S	230E	4304736143	15859	Federal	GW	DRL
WH 12G-11-7-24	WH 12G-11-7-24	NWSW	11	070S	240E	4304736195		Federal	GW	APD
HC 16M-6-7-22	HC 16M-6-7-22	SESE	06	070S	220E	4304736197		Federal	GW	APD
HC 14M-6-7-22	HC 14M-6-7-22	SESW	06	070S	220E	4304736198		Federal	GW	APD
WWT 8ML-25-8-24	WWT 8ML-25-8-24	SENE	25	080S	240E	4304736199		Federal	GW	APD
GB 16D-28-8-21	GB 16D-28-8-21	SESE	28	080S	210E	4304736260	14981	Federal	GW	P
WH 7G-3-7-24	WH 7G-3-7-24	SWNE	03	070S	240E	4304736347		Federal	GW	APD
NBE 5ML-10-9-23	NBE 5ML-10-9-23	SWNW	10	090S	230E	4304736353	15227	Federal	GW	P
NBE 7ML-10-9-23	NBE 7ML-10-9-23	SWNE	10	090S	230E	4304736355	15850	Federal	GW	DRL
NBE 3ML-10-9-23	NBE 3ML-10-9-23	NENW	10	090S	230E	4304736356	15393	Federal	GW	P
WH 4G-10-7-24	WH 4G-10-7-24	NWNW	10	070S	240E	4304736359		Federal	GW	APD
EIHX 4MU-36-8-22	EIHX 4MU-36-8-22	NWNW	36	080S	220E	4304736444	14875	Federal	GW	P
EIHX 3MU-36-8-22	EIHX 3MU-36-8-22	NENW	36	080S	220E	4304736445	14860	Federal	GW	P
EIHX 2MU-36-8-22	EIHX 2MU-36-8-22	NWNE	36	080S	220E	4304736446	14840	Federal	GW	P
EIHX 1MU-36-8-22	EIHX 1MU-36-8-22	NENE	36	080S	220E	4304736447	14861	Federal	GW	P
WWT 2ML-24-8-24	WWT 2ML-24-8-24	NWNE	24	080S	240E	4304736515		Federal	GW	APD
RWS 1ML-1-9-24	RWS 1ML-1-9-24	NENE	01	090S	240E	4304736517		Federal	GW	APD
RWS 3ML-1-9-24	RWS 3ML-1-9-24	NENW	01	090S	240E	4304736518		Federal	GW	APD
RWS 9ML-1-9-24	RWS 9ML-1-9-24	NESE	01	090S	240E	4304736519		Federal	GW	APD
RWS 15ML-1-9-24	RWS 15ML-1-9-24	SWSE	01	090S	240E	4304736521		Federal	GW	APD

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
BSW 1ML-12-9-24	BSW 1ML-12-9-24	NENE	12	090S	240E	4304736522		Federal	GW	APD
BSW 11ML-13-9-24	BSW 11ML-13-9-24	NESW	13	090S	240E	4304736523		Federal	GW	APD
NBE 7ML-26-9-23	NBE 7ML-26-9-23	SWNE	26	090S	230E	4304736587	16008	Federal	GW	DRL
NBE 8ML-26-9-23	NBE 8ML-26-9-23	SENE	26	090S	230E	4304736588	15689	Federal	GW	P
NBE 1ML-26-9-23	NBE 1ML-26-9-23	NENE	26	090S	230E	4304736589	15880	Federal	GW	DRL
NBE 2ML-26-9-23	NBE 2ML-26-9-23	NWNE	26	090S	230E	4304736590	15898	Federal	GW	DRL
NBE 3ML-26-9-23	NBE 3ML-26-9-23	NENW	26	090S	230E	4304736591	15906	Federal	GW	DRL
NBE 5ML-26-9-23	NBE 5ML-26-9-23	SWNW	26	090S	230E	4304736592	15839	Federal	GW	DRL
NBE 9ML-10-9-23	NBE 9ML-10-9-23	NESE	10	090S	230E	4304736593	15438	Federal	GW	P
NBE 11ML-10-9-23	NBE 11ML-10-9-23	NESW	10	090S	230E	4304736594	15228	Federal	GW	P
NBE 15ML-10-9-23	NBE 15ML-10-9-23	SWSE	10	090S	230E	4304736595	15439	Federal	GW	P
NBE 1ML-12-9-23	NBE 1ML-12-9-23	NENE	12	090S	230E	4304736613		Federal	GW	APD
NBE 2ML-17-9-23	NBE 2ML-17-9-23	NWNE	17	090S	230E	4304736614	15126	Federal	GW	P
NBE 4ML-17-9-23	NBE 4ML-17-9-23	NWNW	17	090S	230E	4304736615	15177	Federal	GW	P
NBE 6ML-17-9-23	NBE 6ML-17-9-23	SENE	17	090S	230E	4304736616	15127	Federal	GW	P
NBE 10ML-17-9-23	NBE 10ML-17-9-23	NWSE	17	090S	230E	4304736617	15128	Federal	GW	P
NBE 14ML-17-9-23	NBE 14ML-17-9-23	SESW	17	090S	230E	4304736618	15088	Federal	GW	P
NBE 9ML-26-9-23	NBE 9ML-26-9-23	NESE	26	090S	230E	4304736619	15322	Federal	GW	P
NBE 10D-26-9-23	NBE 10D-26-9-23	NWSE	26	090S	230E	4304736620	15975	Federal	GW	DRL
NBE 12ML-26-9-23	NBE 12ML-26-9-23	NWSW	26	090S	230E	4304736621	15840	Federal	GW	DRL
NBE 13ML-26-9-23	NBE 13ML-26-9-23	SWSW	26	090S	230E	4304736622	15690	Federal	GW	P
NBE 14ML-26-9-23	NBE 14ML-26-9-23	SESW	26	090S	230E	4304736623	15262	Federal	GW	P
NBE 16ML-26-9-23	NBE 16ML-26-9-23	SESE	26	090S	230E	4304736624	15735	Federal	GW	P
RWS 13ML-14-9-24	RWS 13ML-14-9-24	SWSW	14	090S	240E	4304736737		Federal	GW	APD
RWS 12ML-14-9-24	RWS 12ML-14-9-24	NWSW	14	090S	240E	4304736738		Federal	GW	APD
SG 3MU-23-8-22	SG 3MU-23-8-22	SESW	14	080S	220E	4304736940	15100	Federal	GW	P
NBE 5ML-17-9-23	NBE 5ML-17-9-23	SWNW	17	090S	230E	4304736941	15101	Federal	GW	P
WWT 2ML-25-8-24	WWT 2ML-25-8-24	NWNE	25	080S	240E	4304737301		Federal	GW	APD
WWT 1ML-25-8-24	WWT 1ML-25-8-24	NENE	25	080S	240E	4304737302		Federal	GW	APD
HK 15ML-19-8-25	HK 15ML-19-8-25	SWSE	19	080S	250E	4304737303		Federal	GW	APD
WT 13ML-19-8-25	WT 13ML-19-8-25	SWSW	19	080S	250E	4304737304		Federal	GW	APD
HK 3ML-29-8-25	HK 3ML-29-8-25	NENW	29	080S	250E	4304737305		Federal	GW	APD
HK 5ML-29-8-25	HK 5ML-29-8-25	SWNW	29	080S	250E	4304737330		Federal	GW	APD
HK 2ML-30-8-25	HK 2ML-30-8-25	NWNE	30	080S	250E	4304737331		Federal	GW	APD
HK 5ML-30-8-25	HK 5ML-30-8-25	SWNW	30	080S	250E	4304737332		Federal	GW	APD
HK 10ML-30-8-25	HK 10ML-30-8-25	NWSE	30	080S	250E	4304737333		Federal	GW	APD
HK 14ML-30-8-25	HK 14ML-30-8-25	SESW	30	080S	250E	4304737334		Federal	GW	APD
HK 6ML-30-8-25	HK 6ML-30-8-25	SENE	30	080S	250E	4304737348		Federal	GW	APD
HK 8ML-30-8-25	HK 8ML-30-8-25	SENE	30	080S	250E	4304737349		Federal	GW	APD
WWT 7ML-25-8-24	WWT 7ML-25-8-24	SWNE	25	080S	240E	4304737407		Federal	GW	APD
WWT 9ML-25-8-24	WWT 9ML-25-8-24	NESE	25	080S	240E	4304737408		Federal	GW	APD
WWT 10ML-25-8-24	WWT 10ML-25-8-24	NWSE	25	080S	240E	4304737409		Federal	GW	APD

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WWT 15ML-25-8-24	WWT 15ML-25-8-24	SWSE	25	080S	240E	4304737410		Federal	GW	APD
BBS 15G-22-7-21	BBS 15G-22-7-21	SWSE	22	070S	210E	4304737443	15688	Federal	OW	P
WWT 15ML-13-8-24	WWT 15ML-13-8-24	SWSE	13	080S	240E	4304737524		Federal	GW	APD
WWT 16ML-13-8-24	WWT 16ML-13-8-24	SESE	13	080S	240E	4304737525		Federal	GW	APD
COY 6ML-23-8-24	COY 6ML-23-8-24	SENE	23	080S	240E	4304737526		Federal	GW	APD
NBZ 8ML-23-8-24	NBZ 8ML-23-8-24	SENE	23	080S	240E	4304737527		Federal	GW	APD
COY 9ML-23-8-24	COY 9ML-23-8-24	NESE	23	080S	240E	4304737528		Federal	GW	APD
NBZ 15ML-23-8-24	NBZ 15ML-23-8-24	SWSE	23	080S	240E	4304737529		Federal	GW	APD
COY 16ML-23-8-24	COY 16ML-23-8-24	SESE	23	080S	240E	4304737530		Federal	GW	APD
COY 5ML-24-8-24	COY 5ML-24-8-24	SWNW	24	080S	240E	4304737531		Federal	GW	APD
COY 6ML-24-8-24	COY 6ML-24-8-24	SENE	24	080S	240E	4304737532		Federal	GW	APD
COY 6ML-21-8-24	COY 6ML-21-8-24	SENE	21	080S	240E	4304737584		Federal	GW	APD
COY 4ML-21-8-24	COY 4ML-21-8-24	NWNW	21	080S	240E	4304737585		Federal	GW	APD
COY 14ML-21-8-24	COY 14ML-21-8-24	SESW	21	080S	240E	4304737586		Federal	GW	APD
COY 15ML-21-8-24	COY 15ML-21-8-24	SWSE	21	080S	240E	4304737587		Federal	GW	NEW
WWT 1ML-24-8-24	WWT 1ML-24-8-24	NENE	24	080S	240E	4304737590		Federal	GW	APD
RWS 13ML-23-9-24	RWS 13ML-23-9-24	SWSW	23	090S	240E	4304737591		Federal	GW	APD
WWT 8ML-24-8-24	WWT 8ML-24-8-24	SENE	24	080S	240E	4304737640		Federal	GW	APD
GB 16ML-20-8-22	GB 16ML-20-8-22	SESE	20	080S	220E	4304737664	15948	Federal	GW	DRL
NBZ 1ML-29-8-24	NBZ 1ML-29-8-24	NENE	29	080S	240E	4304737666		Federal	GW	APD
WWT 16ML-24-8-24	WWT 16ML-24-8-24	SESE	24	080S	240E	4304737930		Federal	GW	APD
WWT 15ML-24-8-24	WWT 15ML-24-8-24	SWSE	24	080S	240E	4304737931		Federal	GW	APD
COY 14ML-24-8-24	COY 14ML-24-8-24	SESW	24	080S	240E	4304737932		Federal	GW	APD
COY 13ML-24-8-24	COY 13ML-24-8-24	SWSW	24	080S	240E	4304737933		Federal	GW	APD
COY 11ML-24-8-24	COY 11ML-24-8-24	NESW	24	080S	240E	4304737934		Federal	GW	APD
COY 15ML-14-8-24	COY 15ML-14-8-24	SWSE	14	080S	240E	4304737935		Federal	GW	APD
COY 14ML-14-8-24	COY 14ML-14-8-24	SESW	14	080S	240E	4304737936		Federal	GW	APD
COY 12ML-14-8-24	COY 12ML-14-8-24	NWSW	14	080S	240E	4304737937		Federal	GW	APD
COY 11ML-14-8-24	COY 11ML-14-8-24	NESW	14	080S	240E	4304737938		Federal	GW	APD
WVX 8ML-5-8-22	WVX 8ML-5-8-22	SENE	05	080S	220E	4304738140		Federal	GW	APD
WVX 6ML-5-8-22	WVX 6ML-5-8-22	SENE	05	080S	220E	4304738141		Federal	GW	APD
BBS 5G-23-7-21	BBS 5G-23-7-21	SWNW	23	070S	210E	4304738471		Federal	OW	APD
GB 12SG-29-8-22	GB 12SG-29-8-22	NWSW	29	080S	220E	4304738766		Federal	GW	APD
GB 10SG-30-8-22	GB 10SG-30-8-22	NWSE	30	080S	220E	4304738767		Federal	GW	APD
NBE 12SWD-10-9-23	NBE 12SWD-10-9-23	NWSW	10	090S	230E	4304738875		Federal	WD	APD
OP 16MU-3-7-20	OP 16MU-3-7-20	SESE	03	070S	200E	4304738944		Federal	OW	APD
WF 1P-1-15-19	WF 1P-1-15-19	NWNW	06	150S	200E	4304736781	14862	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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
PHONE NUMBER: (303) 308-3068		9. API NUMBER: attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
COUNTY: Uintah		
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</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.

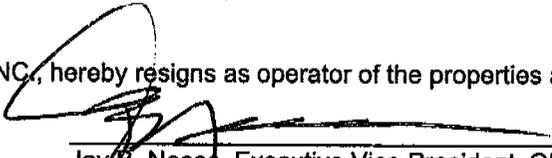
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

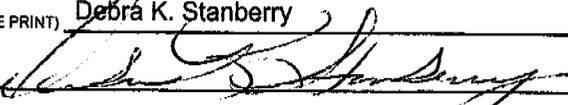


Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list



Jay B. Neese, Executive Vice President  
Questar Exploration and Production Company

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>3/16/2007</u>

(This space for State use only)

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APR 19 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> see attached
<b>2. NAME OF OPERATOR:</b> QUESTAR EXPLORATION AND PRODUCTION COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> see attached
<b>3. ADDRESS OF OPERATOR:</b> 1050 17th Street Suite 500 Denver STATE CO ZIP 80265		<b>7. UNIT or CA AGREEMENT NAME:</b> see attached
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: attached		<b>8. WELL NAME and NUMBER:</b> see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>9. API NUMBER:</b> attached
COUNTY: Uintah		<b>10. FIELD AND POOL, OR WILDCAT:</b>
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (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>Well Name Changes</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.**

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

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**APR 19 2007**  
DIV. OF OIL, GAS & MINING



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:  
3100  
(UT-922)

January 23, 2008

#### Memorandum

To: Vernal Field Office  
From: Chief, Branch of Fluid Minerals  
Subject: Name Change Approval

Attached is a certified copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the merger from the Eastern States state office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **QEP Uinta Basin, Inc.** into **Questar Exploration and Production Co.** is effective May 1, 2007, which is a correction to the effective date stated in the decision letter. For verification of effective date, please refer to the name change certificate from the State of Texas.

/s/ Leslie Wilcken

Leslie Wilcken  
Land Law Examiner  
Branch of Fluid Minerals

cc: MMS  
State of Utah, DOGM,

bcc: Dave Mascarenas  
Susan Bauman  
Connie Seare

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JAN 28 2008  
DIV. OF LAND, OIL & GAS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
EDA #14-20-H 62-5521

6. If Indian, Allottee or Tribe Name  
UTE TRIBE

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator  
Questar Exploration & Production Co.

3a. Address  
11002 East 17500 South - Vernal, UT 84078

3b. Phone No. (include area code)  
435.781.4342 - Dahn Caldwell

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SURFACE: 878' FNL, 213' FWL, NWNW, SEC 8-T15S-R20E  
BOTTOM: 560' FNL, 560' FEL, NENE, SEC 1-T15S-R19E

7. If Unit of CA/Agreement, Name and/or No.  
N/A

8. Well Name and No.  
WF 1P 1 15 19

9. API Well No.  
43-047-36781

10. Field and Pool or Exploratory Area  
UNDESIGNATED

11. Country or Parish, State  
Uintah County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input checked="" type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other RIH w/ 2-3/8" tbg
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

This Workover was to shut off water, set CIBP & RIH w/ 2-3/8" tbg. The work was completed from 8/14/08 - 9/25/08.

- 1 - MIRU Basin Well Service #1.
- 2 - RU slickline. Slickline pulled bumper spring from the "F" Nipple @ 11698' & ran a PBDT @ 12178'.
- 3 - RDMO Basin Well Service #1. Tbg detail has 2 jts fewer than when the rig was moved on this well for this work. Report discontinued on 8/22/08.
- 4 - On 9/5/08 - Resumption of report discontinued on 8/22/08. MIRU Rocky Mtn Well Service #3 to attempt to locate & shut off water.
- 5 - WL set a 5-1/2" CIBP @ 12000'.
- 6 - RU swab and swabbed for days.
- 7 - Release pkr @ 11196' & POOH laying down 187 jts of 2-7/8", EUE, 8rd, 6.5#, P-110 tbg to 5100'.
- 8 - Finish POOH & laying down 171 jts of 2-7/8" tbg; 2.31" "F" Nipple & 1 jt of tbg. All the tbg is 2-7/8", EUE, 8rd, 6.5#, P-110 tbg.
- 9 - Tally & rabbit in the hole with 2-3/8", EUE, 8rd, 4.7#, P-110 tbg production string. Tbg tail landed @ 11001'.
- 10 - ND BOP's & NU WH. RU swab. Swab. RD swab.
- 11 - RDMO Rocky Mtn Well Service #3. Left well selling overnight.

RECEIVED

MAR 18 2009

DIV. OF OIL, GAS & MINING

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

Title Completion Supervisor

Signature

*Jim Simonton (d/c)*

Date 11/15/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
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	

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

(Instructions on page 2)

**CONFIDENTIAL**

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET** (for state use only)

ROUTING  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

<b>FROM:</b> (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 308-3048	<b>TO:</b> ( New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 308-3048
--	---

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

**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: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- 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 8/16/2010 BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- 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")** 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: 6/29/2010

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

**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:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
See attached

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

7. UNIT or CA AGREEMENT NAME:  
See attached

8. WELL NAME and NUMBER:  
See attached

9. API NUMBER:  
Attached

10. FIELD AND POOL, OR WILDCAT:  
See attached

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

2. NAME OF OPERATOR:  
Questar Exploration and Production Company *N5085*

3. ADDRESS OF OPERATOR:  
1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: See attached COUNTY: Attached  
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 checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</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.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:  
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*  
Utah State Bond Number: ~~965003033~~ *965010695*  
Fee Land Bond Number: ~~965003033~~  
BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst  
SIGNATURE *Morgan Anderson* DATE 6/23/2010

(This space for State use only)

RECEIVED  
JUN 28 2010

APPROVED 6/30/2009  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WEST RIVER BEND 3-12-10-15	12	100S	150E	4301331888	14542	Federal	OW	P	C
WEST RIVER BEND 16-17-10-17	17	100S	170E	4301332057	14543	Federal	OW	P	
WEST DESERT SPRING 11-20-10-17	20	100S	170E	4301332088	14545	Federal	OW	S	
GD 8G-35-9-15	35	090S	150E	4301333821		Federal	OW	APD	C
GD 9G-35-9-15	35	090S	150E	4301333822		Federal	OW	APD	C
GD 10G-35-9-15	35	090S	150E	4301333823		Federal	OW	APD	C
GD 11G-35-9-15	35	090S	150E	4301333824		Federal	OW	APD	C
GD 12G-35-9-15	35	090S	150E	4301333825		Federal	OW	APD	C
GD 13G-35-9-15	35	090S	150E	4301333826		Federal	OW	APD	C
GD 1G-34-9-15	34	090S	150E	4301333827	16920	Federal	OW	P	
GD 2G-34-9-15	34	090S	150E	4301333828		Federal	OW	APD	C
GD 7G-34-9-15	34	090S	150E	4301333829		Federal	OW	APD	C
GD 7G-35-9-15	35	090S	150E	4301333830		Federal	OW	APD	C
GD 14G-35-9-15	35	090S	150E	4301333831		Federal	OW	APD	C
GD 15G-35-9-15	35	090S	150E	4301333832		Federal	OW	APD	C
GD 16G-35-9-15	35	090S	150E	4301333833	16921	Federal	OW	P	
GD 1G-35-9-15	35	090S	150E	4301333834		Federal	OW	APD	C
GD 2G-35-9-15	35	090S	150E	4301333835		Federal	OW	APD	C
GD 3G-35-9-15	35	090S	150E	4301333836		Federal	OW	APD	C
GD 4G-35-9-15	35	090S	150E	4301333837		Federal	OW	APD	C
GD 5G-35-9-15	35	090S	150E	4301333838		Federal	OW	APD	C
GD 6G-35-9-15	35	090S	150E	4301333839		Federal	OW	APD	C
GD 8G-34-9-15	34	090S	150E	4301333840		Federal	OW	APD	C
GD 9G-34-9-15	34	090S	150E	4301333841		Federal	OW	APD	C
GD 10G-34-9-15	34	090S	150E	4301333842		Federal	OW	APD	C
GD 15G-34-9-15	34	090S	150E	4301333843		Federal	OW	APD	C
GD 16G-34-9-15	34	090S	150E	4301333844		Federal	OW	APD	C
GOVT 18-2	18	230S	170E	4301930679	2575	Federal	OW	P	
FEDERAL 2-29-7-22	29	070S	220E	4304715423	5266	Federal	GW	TA	
UTAH FED D-1	14	070S	240E	4304715936	10699	Federal	GW	S	
UTAH FED D-2	25	070S	240E	4304715937	9295	Federal	GW	S	
PRINCE 1	10	070S	240E	4304716199	7035	Federal	GW	P	
UTAH FED D-4	14	070S	240E	4304731215	9297	Federal	GW	S	
ISLAND UNIT 16	11	100S	180E	4304731505	1061	Federal	OW	S	
EAST COYOTE FED 14-4-8-25	04	080S	250E	4304732493	11630	Federal	OW	P	
PRINCE 4	03	070S	240E	4304732677	7035	Federal	OW	P	
GH 21 WG	21	080S	210E	4304732692	11819	Federal	GW	P	
OU SG 6-14-8-22	14	080S	220E	4304732746	11944	Federal	GW	S	
FLU KNOLLS FED 23-3	03	100S	180E	4304732754	12003	Federal	OW	P	
GH 22 WG	22	080S	210E	4304732818	12336	Federal	GW	P	
OU GB 12W-20-8-22	20	080S	220E	4304733249	13488	Federal	GW	P	
OU GB 15-18-8-22	18	080S	220E	4304733364	12690	Federal	GW	P	
OU GB 3W-17-8-22	17	080S	220E	4304733513	12950	Federal	GW	P	
OU GB 5W-17-8-22	17	080S	220E	4304733514	12873	Federal	GW	P	
WV 9W-8-8-22	08	080S	220E	4304733515	13395	Federal	GW	P	
OU GB 9W-18-8-22	18	080S	220E	4304733516	12997	Federal	GW	P	
OU GB 3W-20-8-22	20	080S	220E	4304733526	13514	Federal	GW	P	
OU GB 12W-30-8-22	30	080S	220E	4304733670	13380	Federal	GW	P	
WV 10W-8-8-22	08	080S	220E	4304733814	13450	Federal	GW	P	
GH 7W-21-8-21	21	080S	210E	4304733845	13050	Federal	GW	P	
GH 9W-21-8-21	21	080S	210E	4304733846	13074	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
GH 11W-21-8-21	21	080S	210E	4304733847	13049	Federal	GW	P	
GH 15W-21-8-21	21	080S	210E	4304733848	13051	Federal	GW	P	
WV 2W-9-8-21	09	080S	210E	4304733905	13676	Federal	GW	P	
WV 7W-22-8-21	22	080S	210E	4304733907	13230	Federal	GW	P	
WV 9W-23-8-21	23	080S	210E	4304733909	13160	Federal	GW	P	
GH 14W-20-8-21	20	080S	210E	4304733915	13073	Federal	GW	P	
OU GB 4W-30-8-22	30	080S	220E	4304733945	13372	Federal	GW	P	
OU GB 9W-19-8-22	19	080S	220E	4304733946	13393	Federal	GW	P	
OU GB 10W-30-8-22	30	080S	220E	4304733947	13389	Federal	GW	P	
OU GB 12W-19-8-22	19	080S	220E	4304733948	13388	Federal	GW	P	
GB 9W-25-8-21	25	080S	210E	4304733960	13390	Federal	GW	P	
SU 1W-5-8-22	05	080S	220E	4304733985	13369	Federal	GW	P	
SU 3W-5-8-22	05	080S	220E	4304733987	13321	Federal	OW	S	
SU 7W-5-8-22	05	080S	220E	4304733988	13235	Federal	GW	P	
SU 9W-5-8-22	05	080S	220E	4304733990	13238	Federal	GW	P	
SU 13W-5-8-22	05	080S	220E	4304733994	13236	Federal	GW	TA	
SU 15W-5-8-22	05	080S	220E	4304733996	13240	Federal	GW	P	
WV 8W-8-8-22	08	080S	220E	4304734005	13320	Federal	GW	P	
WV 14W-8-8-22	08	080S	220E	4304734007	13322	Federal	GW	S	
OU GB 6W-20-8-22	20	080S	220E	4304734018	13518	Federal	GW	P	
OU GB 5W-30-8-22	30	080S	220E	4304734025	13502	Federal	GW	P	
OU GB 11W-20-8-22	20	080S	220E	4304734039	13413	Federal	GW	P	
OU GB 4W-20-8-22	20	080S	220E	4304734043	13520	Federal	GW	P	
GH 5W-21-8-21	21	080S	210E	4304734147	13387	Federal	GW	P	
GH 6W-21-8-21	21	080S	210E	4304734148	13371	Federal	GW	P	
GH 8W-21-8-21	21	080S	210E	4304734149	13293	Federal	GW	P	
GH 10W-20-8-21	20	080S	210E	4304734151	13328	Federal	GW	P	
GH 10W-21-8-21	21	080S	210E	4304734152	13378	Federal	GW	P	
GH 12W-21-8-21	21	080S	210E	4304734153	13294	Federal	GW	P	
GH 14W-21-8-21	21	080S	210E	4304734154	13292	Federal	GW	P	
GH 16W-21-8-21	21	080S	210E	4304734157	13329	Federal	GW	P	
WV 2W-3-8-21	03	080S	210E	4304734207	13677	Federal	GW	P	
OU GB 5W-20-8-22	20	080S	220E	4304734209	13414	Federal	GW	P	
WV 6W-22-8-21	22	080S	210E	4304734272	13379	Federal	GW	P	
GH 1W-20-8-21	20	080S	210E	4304734327	13451	Federal	GW	P	
GH 2W-20-8-21	20	080S	210E	4304734328	13527	Federal	GW	P	
GH 3W-20-8-21	20	080S	210E	4304734329	13728	Federal	GW	P	
GH 7W-20-8-21	20	080S	210E	4304734332	13537	Federal	GW	P	
GH 9W-20-8-21	20	080S	210E	4304734333	13411	Federal	GW	P	
GH 11W-20-8-21	20	080S	210E	4304734334	13410	Federal	GW	P	
GH 15W-20-8-21	20	080S	210E	4304734335	13407	Federal	GW	P	
GH 16W-20-8-21	20	080S	210E	4304734336	13501	Federal	GW	P	
WV 12W-23-8-21	23	080S	210E	4304734343	13430	Federal	GW	P	
OU GB 13W-20-8-22	20	080S	220E	4304734348	13495	Federal	GW	P	
OU GB 14W-20-8-22	20	080S	220E	4304734349	13507	Federal	GW	P	
OU GB 11W-29-8-22	29	080S	220E	4304734350	13526	Federal	GW	P	
SU PURDY 14M-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	S	
WVX 11G-5-8-22	05	080S	220E	4304734388	13422	Federal	OW	P	
WVX 13G-5-8-22	05	080S	220E	4304734389	13738	Federal	OW	P	
WVX 15G-5-8-22	05	080S	220E	4304734390	13459	Federal	OW	P	
SU BRENNAN W 15W-18-7-22	18	070S	220E	4304734403	13442	Federal	GW	TA	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SU 16W-5-8-22	05	080S	220E	4304734446	13654	Federal	GW	P	
SU 2W-5-8-22	05	080S	220E	4304734455	13700	Federal	GW	P	
SU 10W-5-8-22	05	080S	220E	4304734456	13540	Federal	GW	P	
WV 16W-8-8-22	08	080S	220E	4304734470	13508	Federal	GW	P	
OU GB 16WX-30-8-22	30	080S	220E	4304734506	13431	Federal	GW	P	
OU GB 1W-19-8-22	19	080S	220E	4304734512	13469	Federal	GW	P	
OU GB 2W-19-8-22	19	080S	220E	4304734513	13461	Federal	GW	P	
OU GB 5W-19-8-22	19	080S	220E	4304734514	13460	Federal	GW	P	
OU GB 7W-19-8-22	19	080S	220E	4304734515	13462	Federal	GW	P	
OU GB 8W-19-8-22	19	080S	220E	4304734516	13489	Federal	GW	P	
OU GB 11W-19-8-22	19	080S	220E	4304734517	13467	Federal	GW	P	
OU GB 16W-19-8-22	19	080S	220E	4304734522	13476	Federal	GW	P	
OU GB 1W-30-8-22	30	080S	220E	4304734528	13487	Federal	GW	S	
OU GB 3W-30-8-22	30	080S	220E	4304734529	13493	Federal	GW	P	
OU GB 6W-30-8-22	30	080S	220E	4304734530	13519	Federal	GW	P	
OU GB 7W-30-8-22	30	080S	220E	4304734531	13494	Federal	GW	P	
OU GB 8W-30-8-22	30	080S	220E	4304734532	13483	Federal	GW	P	
OU GB 9W-30-8-22	30	080S	220E	4304734533	13500	Federal	GW	P	
OU GB 6W-19-8-22	19	080S	220E	4304734534	13475	Federal	GW	P	
OU GB 10W-19-8-22	19	080S	220E	4304734535	13479	Federal	GW	P	
OU GB 13W-19-8-22	19	080S	220E	4304734536	13478	Federal	GW	P	
OU GB 14W-19-8-22	19	080S	220E	4304734537	13484	Federal	GW	P	
OU GB 15W-19-8-22	19	080S	220E	4304734538	13482	Federal	GW	P	
OU GB 12W-17-8-22	17	080S	220E	4304734542	13543	Federal	GW	P	
OU GB 6W-17-8-22	17	080S	220E	4304734543	13536	Federal	GW	P	
OU GB 13W-17-8-22	17	080S	220E	4304734544	13547	Federal	GW	P	
OU GB 6W-29-8-22	29	080S	220E	4304734545	13535	Federal	GW	P	
OU GB 3W-29-8-22	29	080S	220E	4304734546	13509	Federal	GW	P	
OU GB 13W-29-8-22	29	080S	220E	4304734547	13506	Federal	GW	P	
OU GB 4W-29-8-22	29	080S	220E	4304734548	13534	Federal	GW	P	
OU GB 5W-29-8-22	29	080S	220E	4304734549	13505	Federal	GW	P	
OU GB 14W-17-8-22	17	080S	220E	4304734550	13550	Federal	GW	P	
OU GB 11W-17-8-22	17	080S	220E	4304734553	13671	Federal	GW	P	
OU GB 14W-29-8-22	29	080S	220E	4304734554	13528	Federal	GW	P	
OU GB 2W-17-8-22	17	080S	220E	4304734559	13539	Federal	GW	P	
OU GB 7W-17-8-22	17	080S	220E	4304734560	13599	Federal	GW	P	
OU GB 16W-18-8-22	18	080S	220E	4304734563	13559	Federal	GW	P	
OU GB 1W-29-8-22	29	080S	220E	4304734573	13562	Federal	GW	P	
OU GB 7W-29-8-22	29	080S	220E	4304734574	13564	Federal	GW	P	
OU GB 8W-29-8-22	29	080S	220E	4304734575	13609	Federal	GW	S	
OU GB 9W-29-8-22	29	080S	220E	4304734576	13551	Federal	GW	P	
OU GB 10W-29-8-22	29	080S	220E	4304734577	13594	Federal	GW	P	
OU GB 15W-29-8-22	29	080S	220E	4304734578	13569	Federal	GW	P	
OU GB 2W-20-8-22	20	080S	220E	4304734599	13664	Federal	GW	P	
OU GB 2W-29-8-22	29	080S	220E	4304734600	13691	Federal	GW	P	
OU GB 15W-17-8-22	17	080S	220E	4304734601	13632	Federal	GW	P	
OU GB 16W-17-8-22	17	080S	220E	4304734602	13639	Federal	GW	P	
OU GB 16W-29-8-22	29	080S	220E	4304734603	13610	Federal	GW	P	
OU GB 1W-20-8-22	20	080S	220E	4304734604	13612	Federal	GW	P	
OU GB 1W-17-8-22	17	080S	220E	4304734623	13701	Federal	GW	P	
OU GB 9W-17-8-22	17	080S	220E	4304734624	13663	Federal	GW	P	

Bonds: BLM = ESB000024

BIA = 956010693

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
effective June 14, 2010

well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
OU GB 10W-17-8-22	17	080S	220E	4304734625	13684	Federal	GW	P	
OU GB 9W-20-8-22	20	080S	220E	4304734630	13637	Federal	GW	P	
OU GB 10W-20-8-22	20	080S	220E	4304734631	13682	Federal	GW	P	
OU GB 15W-20-8-22	20	080S	220E	4304734632	13613	Federal	GW	P	
OU WIH 15MU-21-8-22	21	080S	220E	4304734634	13991	Federal	GW	P	
OU WIH 13W-21-8-22	21	080S	220E	4304734646	13745	Federal	GW	P	
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	P	
OU GB 13W-9-8-22	09	080S	220E	4304734654	13706	Federal	GW	P	
OU WIH 14W-21-8-22	21	080S	220E	4304734664	13720	Federal	GW	P	
OU GB 12WX-29-8-22	29	080S	220E	4304734668	13555	Federal	GW	P	
OU WIH 10W-21-8-22	21	080S	220E	4304734681	13662	Federal	GW	P	
OU GB 4G-21-8-22	21	080S	220E	4304734685	13772	Federal	OW	P	
OU GB 3W-21-8-22	21	080S	220E	4304734686	13746	Federal	GW	P	
OU GB 16SG-30-8-22	30	080S	220E	4304734688	13593	Federal	GW	P	
OU WIH 7W-21-8-22	21	080S	220E	4304734689	13716	Federal	GW	P	
OU GB 5W-21-8-22	21	080S	220E	4304734690	13770	Federal	GW	P	
WIH 1MU-21-8-22	21	080S	220E	4304734693	14001	Federal	GW	P	
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	
OU GB 7W-20-8-22	20	080S	220E	4304734705	13710	Federal	GW	P	
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	P	
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	P	
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	P	
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	P	
OU SG 12W-15-8-22	15	080S	220E	4304734714	13838	Federal	GW	P	
OU GB 5MU-15-8-22	15	080S	220E	4304734715	13900	Federal	GW	P	
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	P	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	
OU SG 10W-15-8-22	15	080S	220E	4304734719	13722	Federal	GW	P	
OU SG 2MU-15-8-22	15	080S	220E	4304734721	13887	Federal	GW	P	
OU SG 7W-15-8-22	15	080S	220E	4304734722	13920	Federal	GW	P	
OU GB 14SG-29-8-22	29	080S	220E	4304734743	14034	Federal	GW	P	
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	P	
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	
OU GB 6MU-21-8-22	21	080S	220E	4304734755	14012	Federal	GW	P	
OU SG 10W-10-8-22	10	080S	220E	4304734764	13751	Federal	GW	P	
OU GB 14M-10-8-22	10	080S	220E	4304734768	13849	Federal	GW	P	
OU SG 9W-10-8-22	10	080S	220E	4304734783	13725	Federal	GW	P	
OU SG 16W-10-8-22	10	080S	220E	4304734784	13781	Federal	GW	P	
SU BW 6M-7-7-22	07	070S	220E	4304734837	13966	Federal	GW	P	
GB 3M-27-8-21	27	080S	210E	4304734900	14614	Federal	GW	P	
WVX 11D-22-8-21	22	080S	210E	4304734902	14632	Federal	GW	P	
GB 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	P	
GB 9D-27-8-21	27	080S	210E	4304734956	14633	Federal	GW	P	
GB 1D-27-8-21	27	080S	210E	4304734957	14634	Federal	GW	P	
WRU EIH 2M-35-8-22	35	080S	220E	4304735052	13931	Federal	GW	P	
GH 12MU-20-8-21	20	080S	210E	4304735069	14129	Federal	GW	P	
OU SG 4W-11-8-22	11	080S	220E	4304735071	14814	Federal	GW	OPS	C
OU SG 5W-11-8-22	11	080S	220E	4304735072	14815	Federal	GW	OPS	C
SG 6ML-11-8-22	11	080S	220E	4304735073	14825	Federal	GW	P	
OU SG 5MU-14-8-22	14	080S	220E	4304735076	13989	Federal	GW	P	
OU SG 6MU-14-8-22	14	080S	220E	4304735077	14128	Federal	GW	P	

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
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well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
SG 12MU-14-8-22	14	080S	220E	4304735078	13921	Federal	GW	P	
OU SG 13MU-14-8-22	14	080S	220E	4304735079	13990	Federal	GW	P	
OU SG 9MU-11-8-22	11	080S	220E	4304735091	13967	Federal	GW	P	
SG 11SG-23-8-22	23	080S	220E	4304735099	13901	Federal	GW	TA	
OU SG 14W-11-8-22	11	080S	220E	4304735114	14797	Federal	GW	OPS	C
SG 5MU-23-8-22	23	080S	220E	4304735115	14368	Federal	GW	P	
SG 6MU-23-8-22	23	080S	220E	4304735116	14231	Federal	GW	P	
SG 14MU-23-8-22	23	080S	220E	4304735117	14069	Federal	GW	P	
SG 12MU-23-8-22	23	080S	220E	4304735188	14412	Federal	GW	P	
SG 13MU-23-8-22	23	080S	220E	4304735190	14103	Federal	GW	P	
WH 7G-10-7-24	10	070S	240E	4304735241	14002	Federal	GW	S	
GB 4D-28-8-21	28	080S	210E	4304735246	14645	Federal	GW	P	
GB 7M-28-8-21	28	080S	210E	4304735247	14432	Federal	GW	P	
GB 14M-28-8-21	28	080S	210E	4304735248	13992	Federal	GW	P	
SG 11MU-23-8-22	23	080S	220E	4304735257	13973	Federal	GW	P	
SG 15MU-14-8-22	14	080S	220E	4304735328	14338	Federal	GW	P	
EIHX 14MU-25-8-22	25	080S	220E	4304735330	14501	Federal	GW	P	
EIHX 11MU-25-8-22	25	080S	220E	4304735331	14470	Federal	GW	P	
NBE 12ML-10-9-23	10	090S	230E	4304735333	14260	Federal	GW	P	
NBE 13ML-17-9-23	17	090S	230E	4304735334	14000	Federal	GW	P	
NBE 4ML-26-9-23	26	090S	230E	4304735335	14215	Federal	GW	P	
SG 7MU-11-8-22	11	080S	220E	4304735374	14635	Federal	GW	S	
SG 1MU-11-8-22	11	080S	220E	4304735375	14279	Federal	GW	P	
OU SG 13W-11-8-22	11	080S	220E	4304735377	14796	Federal	GW	OPS	C
SG 3MU-11-8-22	11	080S	220E	4304735379	14978	Federal	GW	P	
SG 8MU-11-8-22	11	080S	220E	4304735380	14616	Federal	GW	P	
SG 2MU-11-8-22	11	080S	220E	4304735381	14636	Federal	GW	P	
SG 10MU-11-8-22	11	080S	220E	4304735382	14979	Federal	GW	P	
SU 11MU-9-8-21	09	080S	210E	4304735412	14143	Federal	GW	P	
OU GB 8MU-10-8-22	10	080S	220E	4304735422	15321	Federal	GW	OPS	C
EIHX 2MU-25-8-22	25	080S	220E	4304735427	14666	Federal	GW	P	
EIHX 1MU-25-8-22	25	080S	220E	4304735428	14705	Federal	GW	P	
EIHX 7MU-25-8-22	25	080S	220E	4304735429	14682	Federal	GW	P	
EIHX 8MU-25-8-22	25	080S	220E	4304735430	14706	Federal	GW	P	
EIHX 9MU-25-8-22	25	080S	220E	4304735433	14558	Federal	GW	P	
EIHX 16MU-25-8-22	25	080S	220E	4304735434	14502	Federal	GW	P	
EIHX 15MU-25-8-22	25	080S	220E	4304735435	14571	Federal	GW	P	
EIHX 10MU-25-8-22	25	080S	220E	4304735436	14537	Federal	GW	P	
GB 3MU-3-8-22	03	080S	220E	4304735457	14575	Federal	GW	P	
NBE 15M-17-9-23	17	090S	230E	4304735463	14423	Federal	GW	P	
NBE 7ML-17-9-23	17	090S	230E	4304735464	14232	Federal	GW	P	
NBE 3ML-17-9-23	17	090S	230E	4304735465	14276	Federal	GW	P	
NBE 11M-17-9-23	17	090S	230E	4304735466	14431	Federal	GW	P	
NBE 10ML-10-9-23	10	090S	230E	4304735650	14377	Federal	GW	P	
NBE 6ML-10-9-23	10	090S	230E	4304735651	14422	Federal	GW	P	
NBE 12ML-17-9-23	17	090S	230E	4304735652	14278	Federal	GW	P	
NBE 6ML-26-9-23	26	090S	230E	4304735664	14378	Federal	GW	P	
NBE 11ML-26-9-23	26	090S	230E	4304735665	14340	Federal	GW	P	
NBE 15ML-26-9-23	26	090S	230E	4304735666	14326	Federal	GW	P	
SG 4MU-23-8-22	23	080S	220E	4304735758	14380	Federal	GW	P	
SG 11MU-14-8-22	14	080S	220E	4304735829	14486	Federal	GW	P	

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RB DS FED 1G-7-10-18	07	100S	180E	4304735932	14457	Federal	OW	S	
RB DS FED 14G-8-10-18	08	100S	180E	4304735933	14433	Federal	OW	P	
OU SG 14MU-14-8-22	14	080S	220E	4304735950	14479	Federal	GW	P	
COY 12ML-24-8-24	24	080S	240E	4304736039	14592	Federal	OW	P	
WIH 1AMU-21-8-22	21	080S	220E	4304736060	14980	Federal	GW	P	
SU 8M-12-7-21	12	070S	210E	4304736096	16610	Federal	GW	OPS	C
NBE 4ML-10-9-23	10	090S	230E	4304736098	15732	Federal	GW	P	
NBE 8ML-10-9-23	10	090S	230E	4304736099	15733	Federal	GW	P	
NBE 16ML-10-9-23	10	090S	230E	4304736100	14728	Federal	GW	S	
SUBW 14M-7-7-22	07	070S	220E	4304736136	15734	Federal	GW	P	
NBE 8ML-12-9-23	12	090S	230E	4304736143	15859	Federal	GW	S	
GB 16D-28-8-21	28	080S	210E	4304736260	14981	Federal	GW	P	
NBE 5ML-10-9-23	10	090S	230E	4304736353	15227	Federal	GW	P	
NBE 7ML-10-9-23	10	090S	230E	4304736355	15850	Federal	GW	P	
NBE 3ML-10-9-23	10	090S	230E	4304736356	15393	Federal	GW	P	
EIHX 4MU-36-8-22	36	080S	220E	4304736444	14875	Federal	GW	P	
EIHX 3MU-36-8-22	36	080S	220E	4304736445	14860	Federal	GW	P	
EIHX 2MU-36-8-22	36	080S	220E	4304736446	14840	Federal	GW	S	
EIHX 1MU-36-8-22	36	080S	220E	4304736447	14861	Federal	GW	P	
NBE 7ML-26-9-23	26	090S	230E	4304736587	16008	Federal	GW	P	
NBE 8ML-26-9-23	26	090S	230E	4304736588	15689	Federal	GW	P	
NBE 1ML-26-9-23	26	090S	230E	4304736589	15880	Federal	GW	P	
NBE 2ML-26-9-23	26	090S	230E	4304736590	15898	Federal	GW	S	
NBE 3ML-26-9-23	26	090S	230E	4304736591	15906	Federal	GW	P	
NBE 5ML-26-9-23	26	090S	230E	4304736592	15839	Federal	GW	P	
NBE 9ML-10-9-23	10	090S	230E	4304736593	15438	Federal	GW	P	
NBE 11ML-10-9-23	10	090S	230E	4304736594	15228	Federal	GW	P	
NBE 15ML-10-9-23	10	090S	230E	4304736595	15439	Federal	GW	P	
NBE 2ML-17-9-23	17	090S	230E	4304736614	15126	Federal	GW	P	
NBE 4ML-17-9-23	17	090S	230E	4304736615	15177	Federal	GW	P	
NBE 6ML-17-9-23	17	090S	230E	4304736616	15127	Federal	GW	S	
NBE 10ML-17-9-23	17	090S	230E	4304736617	15128	Federal	GW	P	
NBE 14ML-17-9-23	17	090S	230E	4304736618	15088	Federal	GW	P	
NBE 9ML-26-9-23	26	090S	230E	4304736619	15322	Federal	GW	P	
NBE 10D-26-9-23	26	090S	230E	4304736620	15975	Federal	GW	S	
NBE 12ML-26-9-23	26	090S	230E	4304736621	15840	Federal	GW	P	
NBE 13ML-26-9-23	26	090S	230E	4304736622	15690	Federal	GW	P	
NBE 14ML-26-9-23	26	090S	230E	4304736623	15262	Federal	GW	P	
NBE 16ML-26-9-23	26	090S	230E	4304736624	15735	Federal	GW	P	
WF 1P-1-15-19	06	150S	200E	4304736781	14862	Indian	GW	P	
SG 3MU-23-8-22	14	080S	220E	4304736940	15100	Federal	GW	P	
NBE 5ML-17-9-23	17	090S	230E	4304736941	15101	Federal	GW	P	
TU 14-9-7-22	09	070S	220E	4304737345	16811	Federal	GW	OPS	C
WF 14C-29-15-19	29	150S	190E	4304737541	15178	Indian	GW	P	
NBE 2ML-10-9-23	10	090S	230E	4304737619	15860	Federal	GW	P	
GB 16ML-20-8-22	20	080S	220E	4304737664	15948	Federal	GW	P	
WVX 8ML-5-8-22	05	080S	220E	4304738140		Federal	GW	APD	C
WVX 6ML-5-8-22	05	080S	220E	4304738141		Federal	GW	APD	C
WVX 1MU-17-8-21	17	080S	210E	4304738156		Federal	GW	APD	C
GH 8-20-8-21	20	080S	210E	4304738157		Federal	GW	APD	C
WVX 4MU-17-8-21	17	080S	210E	4304738190		Federal	GW	APD	C

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well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
WVX 16MU-18-8-21	18	080S	210E	4304738191		Federal	GW	APD	C
GH 7D-19-8-21	19	080S	210E	4304738267	16922	Federal	GW	P	
WF 8C-15-15-19	15	150S	190E	4304738405	17142	Indian	GW	OPS	C
WVX 1MU-18-8-21	18	080S	210E	4304738659		Federal	GW	APD	C
WVX 9MU-18-8-21	18	080S	210E	4304738660		Federal	GW	APD	C
GB 12SG-29-8-22	29	080S	220E	4304738766	16096	Federal	GW	S	
GB 10SG-30-8-22	30	080S	220E	4304738767	16143	Federal	GW	S	
FR 14P-20-14-20	20	140S	200E	4304739168	16179	Federal	GW	P	
SU 11M-8-7-22	08	070S	220E	4304739175		Federal	GW	APD	C
HB 2M-9-7-22	09	070S	220E	4304739176		Federal	GW	APD	C
SUMA 4M-20-7-22	20	070S	220E	4304739177		Federal	GW	APD	C
SU 16M-31-7-22	31	070S	220E	4304739178		Federal	GW	APD	C
FR 13P-20-14-20	20	140S	200E	4304739226	16719	Federal	GW	P	
SG 11BML-23-8-22	23	080S	220E	4304739230		Federal	GW	APD	C
SG 12DML-23-8-22	23	080S	220E	4304739231		Federal	GW	APD	C
GB 1CML-29-8-22	29	080S	220E	4304739232		Federal	GW	APD	C
NBE 8CD-10-9-23	10	090S	230E	4304739341	16513	Federal	GW	P	
NBE 15AD-10-9-23	10	090S	230E	4304739342		Federal	GW	APD	C
NBE 6DD-10-9-23	10	090S	230E	4304739343		Federal	GW	APD	C
NBE 6AD-10-9-23	10	090S	230E	4304739344		Federal	GW	APD	C
NBE 6BD-10-9-23	10	090S	230E	4304739345		Federal	GW	APD	C
NBE 5DD-10-9-23	10	090S	230E	4304739346	16574	Federal	GW	P	
NBE 7BD-17-9-23	17	090S	230E	4304739347		Federal	GW	APD	C
NBE 4DD-17-9-23	17	090S	230E	4304739348	16743	Federal	GW	P	
NBE 10CD-17-9-23	17	090S	230E	4304739349	16616	Federal	GW	P	
NBE 11CD-17-9-23	17	090S	230E	4304739350		Federal	GW	APD	C
NBE 8BD-26-9-23	26	090S	230E	4304739351	16617	Federal	GW	P	
NBE 3DD-26-9-23	26	090S	230E	4304739352		Federal	GW	APD	C
NBE 3CD-26-9-23	26	090S	230E	4304739353		Federal	GW	APD	C
NBE 7DD-26-9-23	26	090S	230E	4304739354		Federal	GW	APD	C
NBE 12AD-26-9-23	26	090S	230E	4304739355		Federal	GW	APD	C
NBE 5DD-26-9-23	26	090S	230E	4304739356		Federal	GW	APD	C
NBE 13AD-26-9-23	26	090S	230E	4304739357		Federal	GW	APD	C
NBE 14AD-26-9-23	26	090S	230E	4304739358		Federal	GW	APD	C
NBE 9CD-26-9-23	26	090S	230E	4304739359		Federal	GW	APD	C
FR 9P-20-14-20	20	140S	200E	4304739461	17025	Federal	GW	S	
FR 13P-17-14-20	17	140S	200E	4304739462		Federal	GW	APD	C
FR 9P-17-14-20	17	140S	200E	4304739463	16829	Federal	GW	P	
FR 10P-20-14-20	20	140S	200E	4304739465		Federal	GW	APD	C
FR 5P-17-14-20	17	140S	200E	4304739509		Federal	GW	APD	C
FR 15P-17-14-20	17	140S	200E	4304739510		Federal	GW	APD	C
FR 11P-20-14-20	20	140S	200E	4304739587		Federal	GW	APD	
FR 5P-20-14-20	20	140S	200E	4304739588		Federal	GW	APD	C
FR 9P-21-14-20	21	140S	200E	4304739589		Federal	GW	APD	C
FR 13P-21-14-20	21	140S	200E	4304739590		Federal	GW	APD	C
GB 7D-27-8-21	27	080S	210E	4304739661		Federal	GW	APD	C
GB 15D-27-8-21	27	080S	210E	4304739662	16830	Federal	GW	P	
WV 13D-23-8-21	23	080S	210E	4304739663	16813	Federal	GW	P	
WV 15D-23-8-21	23	080S	210E	4304739664	16924	Federal	GW	P	
FR 14P-17-14-20	17	140S	200E	4304739807		Federal	GW	APD	C
FR 12P-20-14-20	20	140S	200E	4304739808		Federal	GW	APD	C

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well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
FR 6P-20-14-20	20	140S	200E	4304739809	16925	Federal	GW	P	
FR 3P-21-14-20	21	140S	200E	4304739810		Federal	GW	APD	C
FR 4P-21-14-20	21	140S	200E	4304739811	16771	Federal	GW	P	
FR 8P-21-14-20	21	140S	200E	4304739812		Federal	GW	APD	C
FR 15P-21-14-20	21	140S	200E	4304739815		Federal	GW	APD	C
FR 2P-20-14-20	20	140S	200E	4304740053		Federal	GW	APD	
FR 2P-21-14-20	21	140S	200E	4304740200		Federal	GW	APD	C
WV 11-23-8-21	23	080S	210E	4304740303		Federal	GW	APD	C
GB 12-27-8-21	27	080S	210E	4304740304		Federal	GW	APD	C
GH 11C-20-8-21	20	080S	210E	4304740352		Federal	GW	APD	C
GH 15A-20-8-21	20	080S	210E	4304740353		Federal	GW	APD	C
GH 10BD-21-8-21	21	080S	210E	4304740354		Federal	GW	APD	C
FR 11P-21-14-20	21	140S	200E	4304740366		Federal	GW	APD	C
MELANGE U 1	09	140S	200E	4304740399		Federal	GW	APD	C
OP 16G-12-7-20	12	070S	200E	4304740481	17527	Federal	OW	DRL	C
OP 4G-12-7-20	12	070S	200E	4304740482		Federal	OW	APD	C
WF 8D-21-15-19	21	150S	190E	4304740489		Indian	GW	APD	C
WF 15-21-15-19	21	150S	190E	4304740490		Indian	GW	APD	
WF 4D-22-15-19	22	150S	190E	4304740491		Indian	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

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



IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

### Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

*Roy L. Bankert*

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS



RECEIVED

UNITED STATES GOVERNMENT

JUN 02 2006

Memorandum

Date: May 31, 2006

Reply to  
 Attn of: Acting Superintendent, Uintah and Ouray Agency, Fort Duchesne, UT

Subject: Oil and Gas Exploration and Development Leases

To:  Bureau of Land Management, Vernal District Office  
 Minerals Management Service, Denver, CO

In accordance with Exploration and Development Agreement No. 14-20-H62-5521, Part IV -Exploration and Development on Section 1 Lands and Part V – Exploration and Development on Option lands, we are enclosing your copy of the Oil and Gas Exploration and Development Leases among the Ute Indian Tribe, Ute Distribution Corporation and Questar Exploration and Production Company.

The following leases were approved on April 14, 2006, and shall be effective as the date of approval by the Superintendent:

Lease Number	Section	Legal Description	Acreage	Effective Date
14-20-H62-5570	1	T15S-R19E: Lot 1, 4, 5, S/2NE/4, E/2SE/4, SW/4NW/4	477.82	April 14, 2006
14-20-H62-5549	11	All	640.00	April 14, 2006
14-20-H62-5550	12	W/2, SE/4 and E/2NE/4	560.00	April 14, 2006
14-20-H62-5551	13	All	640.00	April 14, 2006
14-20-H62-5552	14	All	640.00	April 14, 2006
14-20-H62-5553	15	All	640.00	April 14, 2006
14-20-H62-5554	20	All	640.00	April 14, 2006
14-20-H62-5555	21	All	640.00	April 14, 2006
14-20-H62-5556	22	All	640.00	April 14, 2006
14-20-H62-5557	23	All	640.00	April 14, 2006
14-20-H62-5558	24	All	640.00	April 14, 2006
14-20-H62-5559	25	All	640.00	April 14, 2006
14-20-H62-5560	26	All	640.00	April 14, 2006
14-20-H62-5561	27	All	640.00	April 14, 2006
14-20-H62-5562	28	All	640.00	April 14, 2006
14-20-H62-5563	29	All	640.00	April 14, 2006
14-20-H62-5564	31	Lot 1, 2, 3, 4, E/2W/2 and E/2	639.36	April 14, 2006
14-20-H62-5565	33	All	640.00	April 14, 2006
14-20-H62-5566	34	All	640.00	April 14, 2006
14-20-H62-5567	35	All	640.00	April 14, 2006