



QEP Uinta Basin, Inc.

11002 East 17500 South

Vernal, UT 84078

Tel 435 781 4300 • Fax 435 781 4329

November 9, 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
FR 3P-36-14-19
SURFACE: 542' FNL 353' FWL, NWNW SECTION 36, T14S, R19E
BOTTOM HOLE: 660' FNL 1980' FWL, NENW, SECTION 36, T14S, R19E

Dear Ms. Whitney:

Pursuant to the filing of FR 3P-36-14-19 Application for Permit to Drill regarding the above referenced well on November 9, 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.

FR 3P-36-14-19 is located in T14S, R19E, Section 36 in 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, surface is owned by the Ute Tribe and QEP has been granted a ROW for the surface location.

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

RECEIVED
NOV 15 2005
DIVISION OF OIL & GAS MINING

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

FORM 3

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN				5. MINERAL LEASE NO: ML-49279	6. SURFACE: TRIBAL
B. TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS OTHER _____ <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE				7. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE	
2. NAME OF OPERATOR: QEP UINTA BASIN, INC.				8. UNIT OF CA AGREEMENT NAME: N/A	
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078			PHONE NUMBER: (435) 781-4331	9. WELL NAME and NUMBER: FR 3P-36-14-19	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 542' FNL 353' FWL, NW NW, SECTION 36, T14S, R19E AT PROPOSED PRODUCING ZONE: 660' FNL 1980' FWL, NE NW, SEC. 36, T14S, R19E				10. FIELD AND POOL, OR WILDCAT: <i>undesignated</i>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 53.4 +/- MILES SOUTHWEST OF OURAY, UTAH				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW NW 36 14S 19E	12. COUNTY: UINTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET) 660 +/-		16. NUMBER OF ACRES IN LEASE: 594.49		13. STATE: UTAH	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)		19. PROPOSED DEPTH 12400' TVD 12675' TMD		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7162.4' GR		22. APPROXIMATE DATE WORK WILL START: ASAP		20. BOND DESCRIPTION: 04127294	
23. ESTIMATED DURATION: 10 DAYS		24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2	13 3/8	M-50	48	500'	SEE ATTACHED DRILLING PROGRAM
12 1/4	9 5/8	J-55	40	4500'	SEE ATTACHED CEMENT CALCULATIONS
8 1/2	5 1/2	P-110	17	TD	

ATTACHMENTS

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

- WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- COMPLETE DRILLING PLAN
- EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) Jan Nelson TITLE Regulatory Affairs
SIGNATURE *Jan Nelson* DATE 11/9/05

(This space for State use only)

API NUMBER ASSIGNED: 43-047-37374 APPROVAL: **Approved by the Utah Division of Oil, Gas and Mining**

Federal Approval of this Action is Necessary

Date: 11-17-05
By: *[Signature]*

*Surf 607676X
4379636Y
39.561546
-109.746593*

*BHL
608172X
4379609
39.561237
-109.740823*

RECEIVED
NOV 15 2005
CONFIDENTIAL

DIV. OF OIL, GAS & MINING

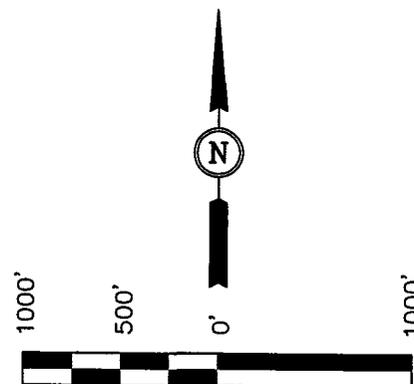
T14S, R19E, S.L.B.&M.

QUESTAR EXPLR. & PROD.

Well location, FR #3P-36-14-19, located as shown in the NW 1/4 NW 1/4 of Section 36, T14S, R19E, 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.

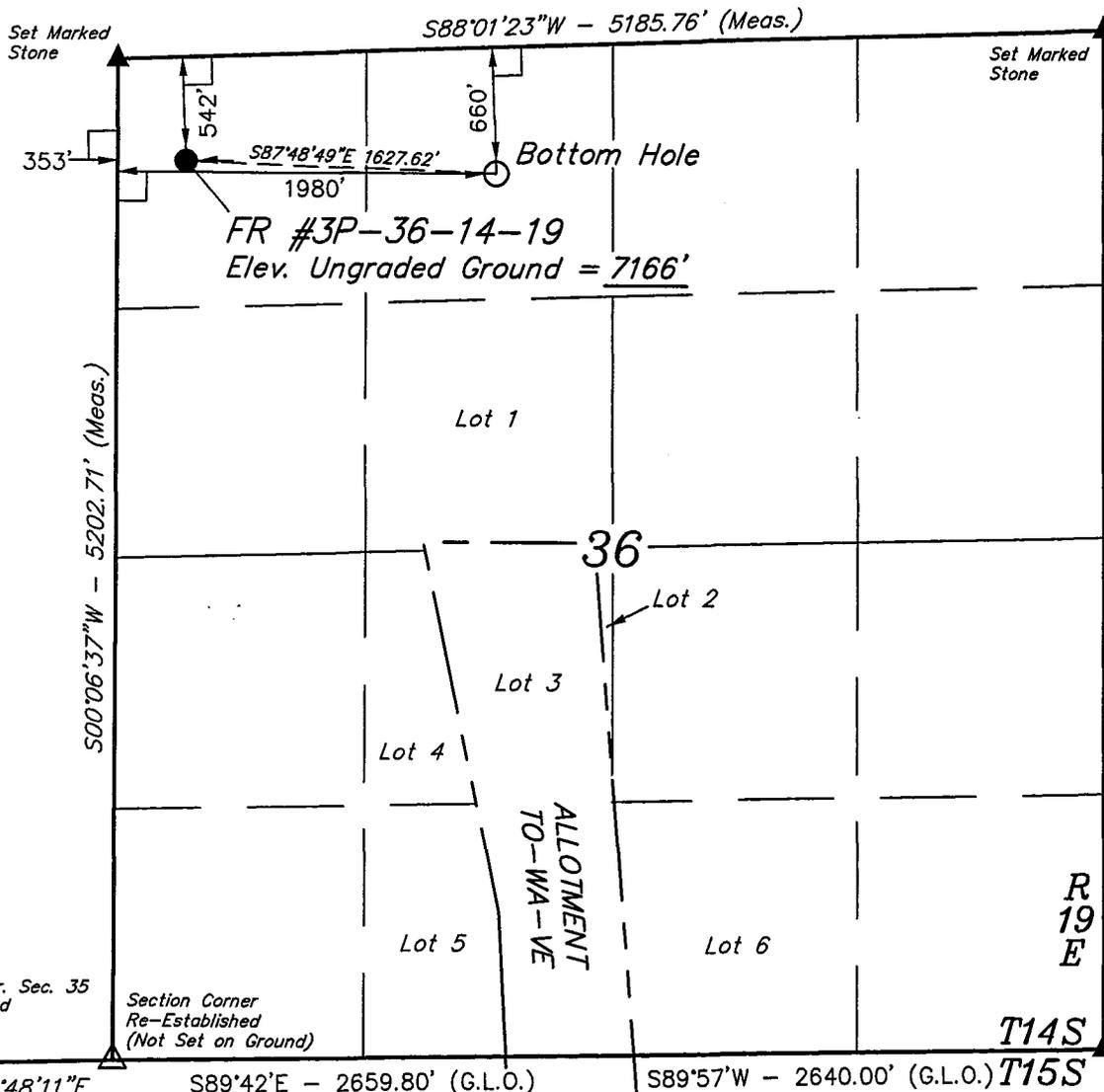


SCALE

CERTIFICATE OF ACCURACY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 16139
 STATE OF UTAH

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

Set Marked Stone 1.0' High, One Bearing Tree



BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°33'40.58" (39.561272)
 LONGITUDE = 109°44'49.67" (109.747131)
 (NAD 27)
 LATITUDE = 39°33'40.71" (39.561308)
 LONGITUDE = 109°44'47.18" (109.746439)

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED USING SINGLE PROPORTION METHOD. (Not Set on Ground)

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

SCALE 1" = 1000'	DATE SURVEYED: 06-15-05	DATE DRAWN: 06-17-05
PARTY G.O. B.H. C.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

T14S, R19E, S.L.B.&M.

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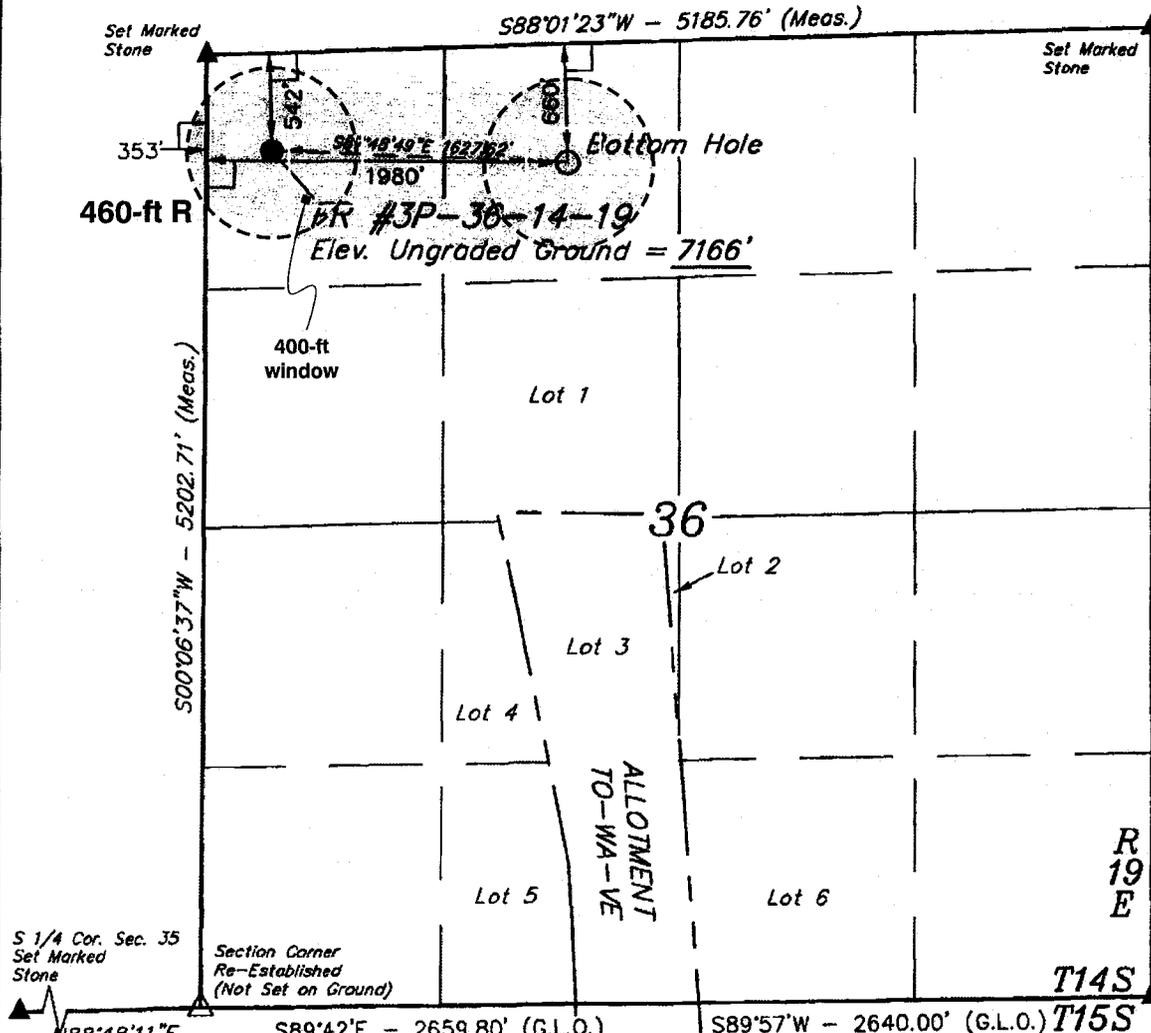


SCALE

CERTIFICATE

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John A. Gray
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH



S 1/4 Cor. Sec. 35
 Set Marked Stone

Section Corner
 Re-Established
 (Not Set on Ground)

Set Marked Stone 1.0' High, One Bearing Tree

N88°48'11"E
 2597.66' (Meas.)

S89°42'E - 2659.80' (G.L.O.)

S89°57'W - 2640.00' (G.L.O.)

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 85 SOUTH 200 EAST - VERNAL, UTAH 84078
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WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

QEP, Uinta Basin Inc. proposes to directional drill a well to 12675' 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

See Onshore Order No. 1 attached

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.04127294. 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>
Green River	Surface	Surface	
Wasatch	2090	2090	Gas
Mesa Verde	4070	4070	
Castle Gate	6145	6232	
Mancos	9940	10215	
Dakota	10040	10315	Gas
Cedar Mountain	10330	10605	
Morrison	10955	11230	
Curtis	11025	11300	
Entrada	11290	11565	Gas
Carmel	11490	11765	
Wingate	11770	12045	Gas
Chinle	12080	12355	
Shinarump	12180	12455	
Pre-Cambrian	12400	12675	
TD	12400	12675	

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	12400'	12675'

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, Ut. 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 2500 psi, 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	4500'	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 – Yes
- 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.
6. 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

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	578 sx	Premium Plus single slurry mixed to 15.6 ppg, yield = 1.18 cf/sx. Fill to surface with 344cf (578sx) calculated. Tail plug used. Allowed to set under pressure

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.

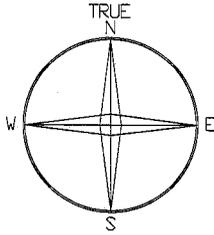
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S 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 6100 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.

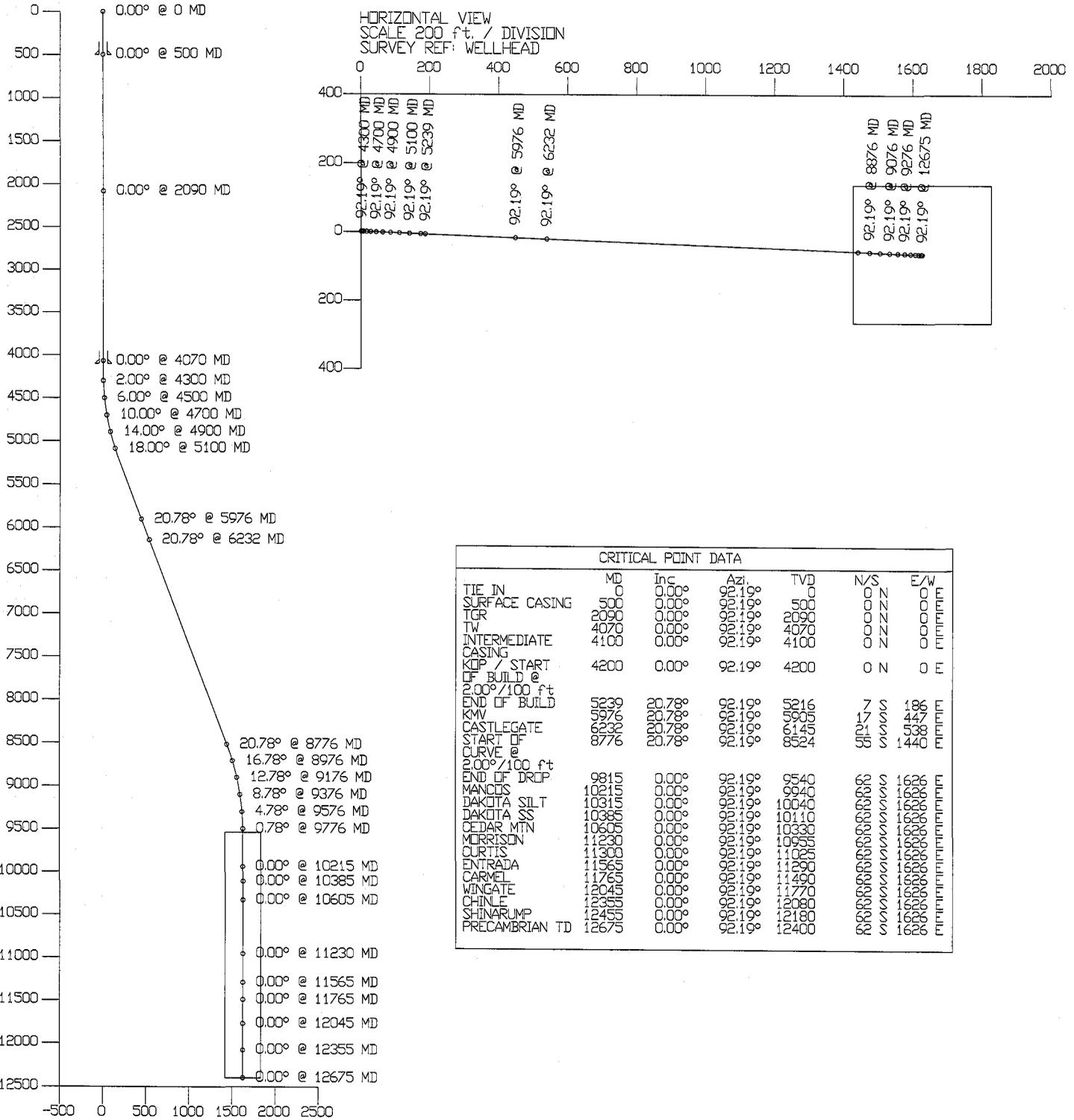
Questar Exploration & Production
 Flat Rock #3P-36-14-19
 Uintah Co., UT
 Sec.36,T14S,R19E
 WP1-FR #3P-36-14-19



10/4/2005 2:44 pm

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

HORIZONTAL VIEW
 SCALE 200 ft. / DIVISION
 SURVEY REF: WELLHEAD



CRITICAL POINT DATA						
	MD	Inc	Azi	TVD	N/S	E/W
TIE IN	0	0.00°	92.19°	0		
SURFACE CASING	500	0.00°	92.19°	500	O	O
TGR	2090	0.00°	92.19°	2090	O	O
TV	4070	0.00°	92.19°	4070	O	O
INTERMEDIATE CASING	4100	0.00°	92.19°	4100	O	N
KIP / START OF BUILD @ 2.00°/100 ft	4200	0.00°	92.19°	4200	O	N
END OF BUILD	5239	20.78°	92.19°	5216	7	S
KW	5976	20.78°	92.19°	5905	17	S
CASTLEGATE	6232	20.78°	92.19°	6145	21	S
START OF CURVE @ 2.00°/100 ft	8776	20.78°	92.19°	8524	55	S
END OF DROP	9815	0.00°	92.19°	9540	6	S
MANCOS	10215	0.00°	92.19°	9940	6	S
DAKOTA SILT	10315	0.00°	92.19°	10040	6	S
DAKOTA SS	10385	0.00°	92.19°	10110	6	S
CEDAR MTN	10605	0.00°	92.19°	10330	6	S
MORRISON	11230	0.00°	92.19°	10935	6	S
CURTIS	11300	0.00°	92.19°	11035	6	S
ENTRADA	11565	0.00°	92.19°	11290	6	S
CARMEL	11765	0.00°	92.19°	11490	6	S
WINGATE	12045	0.00°	92.19°	11770	6	S
CHINLE	12355	0.00°	92.19°	12080	6	S
SHINARUMP	12455	0.00°	92.19°	12180	6	S
PRECAMBRIAN TD	12675	0.00°	92.19°	12400	6	S

VERTICAL SECTION PLANE: 92.19°

Proposal Report

Date: 10/4/2005
 Time: 2:43 pm
 Wellpath ID: WP1-FR #3P-36-14-19
 Last Revision: 10/4/2005

*Calculated using the Minimum Curvature Method
 Computed using PDS VER2.2.6
 Vertical Section Plane: 92.19 deg.*

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

Questar Exploration & Production
 Flat Rock #3P-36-14-19
 Uintah Co., UT
 Sec.36,T14S,R19E
 WP1-FR #3P-36-14-19

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
SURFACE 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
TGR										
2090.00	0.00	0.00	2090.00	1590.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
TW										
4070.00	0.00	0.00	4070.00	1980.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
INTERMEDIATE CASING										
4100.00	0.00	0.00	4100.00	30.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
KOP / START OF BUILD @ 2.00 deg/100 ft										
4200.00	0.00	0.00	4200.00	100.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
4300.00	2.00	92.19	4299.98	100.00	1.75	0.07 S	1.74 E	1.75@	92.19	2.00
4400.00	4.00	92.19	4399.84	100.00	6.98	0.27 S	6.97 E	6.98@	92.19	2.00
4500.00	6.00	92.19	4499.45	100.00	15.69	0.60 S	15.68 E	15.69@	92.19	2.00
4600.00	8.00	92.19	4598.70	100.00	27.88	1.06 S	27.86 E	27.88@	92.19	2.00
4700.00	10.00	92.19	4697.46	100.00	43.52	1.66 S	43.49 E	43.52@	92.19	2.00
4800.00	12.00	92.19	4795.62	100.00	62.60	2.39 S	62.56 E	62.60@	92.19	2.00
4900.00	14.00	92.19	4893.05	100.00	85.10	3.25 S	85.03 E	85.10@	92.19	2.00
5000.00	16.00	92.19	4989.64	100.00	110.98	4.23 S	110.90 E	110.98@	92.19	2.00
5100.00	18.00	92.19	5085.27	100.00	140.21	5.35 S	140.11 E	140.21@	92.19	2.00
5200.00	20.00	92.19	5179.81	100.00	172.77	6.59 S	172.64 E	172.77@	92.19	2.00
END OF BUILD										
5238.94	20.78	92.19	5216.31	38.94	186.33	7.11 S	186.20 E	186.33@	92.19	2.00
KMV										
5975.54	20.78	92.19	5905.00	736.60	447.65	17.08 S	447.32 E	447.65@	92.19	0.00
CASTLEGATE										
6232.23	20.78	92.19	6145.00	256.70	538.72	20.55 S	538.32 E	538.72@	92.19	0.00
START OF CURVE @ 2.00 deg/100 ft										
8776.40	20.78	92.19	8523.68	2544.16	1441.29	54.98 S	1440.24 E	1441.29@	92.19	0.00
8876.40	18.78	92.19	8617.78	100.00	1475.12	56.27 S	1474.05 E	1475.12@	92.19	2.00
8976.40	16.78	92.19	8713.00	100.00	1505.66	57.43 S	1504.56 E	1505.66@	92.19	2.00
9076.40	14.78	92.19	8809.23	100.00	1532.85	58.47 S	1531.73 E	1532.85@	92.19	2.00
9176.40	12.78	92.19	8906.34	100.00	1556.66	59.38 S	1555.53 E	1556.66@	92.19	2.00
9276.40	10.78	92.19	9004.23	100.00	1577.07	60.16 S	1575.93 E	1577.07@	92.19	2.00
9376.40	8.78	92.19	9102.78	100.00	1594.06	60.80 S	1592.90 E	1594.06@	92.19	2.00
9476.40	6.78	92.19	9201.85	100.00	1607.59	61.32 S	1606.42 E	1607.59@	92.19	2.00

PathFinder Energy Services

Proposal Report

Page 2

Date: 10/4/2005

Wellpath ID: WP1-FR #3P-36-14-19

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist. (ft)	Dir. (deg.)	
9576.40	4.78	92.19	9301.34	100.00	1617.66	61.70 S	1616.48 E	1617.66@	92.19	2.00
9676.40	2.78	92.19	9401.11	100.00	1624.25	61.95 S	1623.07 E	1624.25@	92.19	2.00
9776.40	0.78	92.19	9501.06	100.00	1627.36	62.07 S	1626.17 E	1627.36@	92.19	2.00
END OF DROP										
9815.34	0.00	0.00	9540.00	38.94	1627.62	62.08 S	1626.44 E	1627.62@	92.19	2.00
MANCOS										
10215.34	0.00	0.00	9940.00	400.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
DAKOTA SILT										
10315.34	0.00	0.00	10040.00	100.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
DAKOTA SS										
10385.34	0.00	0.00	10110.00	70.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
CEDAR MTN										
10605.34	0.00	0.00	10330.00	220.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
MORRISON										
11230.34	0.00	0.00	10955.00	625.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
CURTIS										
11300.34	0.00	0.00	11025.00	70.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
ENTRADA										
11565.34	0.00	0.00	11290.00	265.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
CARMEL										
11765.34	0.00	0.00	11490.00	200.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
WINGATE										
12045.34	0.00	0.00	11770.00	280.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
CHINLE										
12355.34	0.00	0.00	12080.00	310.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
SHINARUMP										
12455.34	0.00	0.00	12180.00	100.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00
PRECAMBRIAN TD										
12675.34	0.00	0.00	12400.00	220.00	1627.62	62.08 S	1626.44 E	1627.62@	92.19	0.00

EXHIBIT B
SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

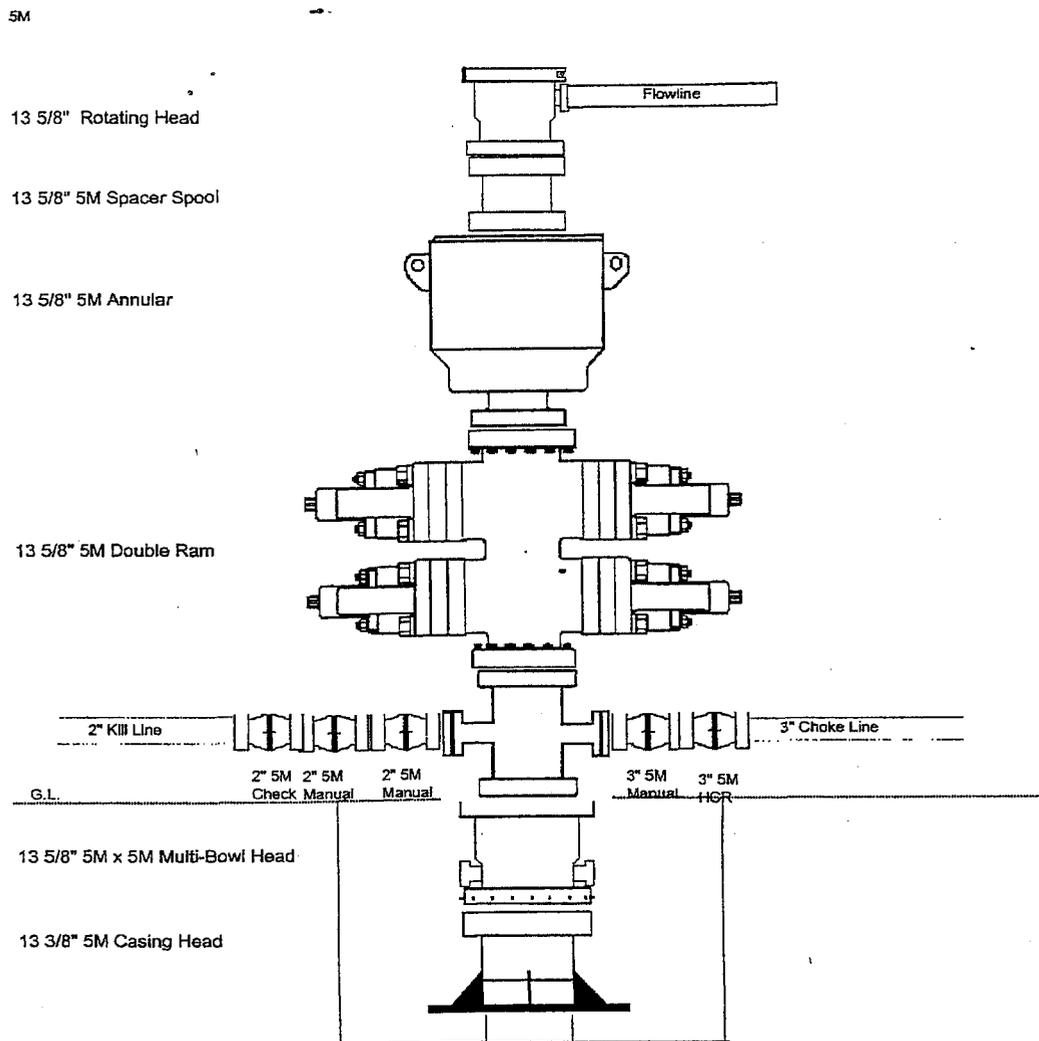
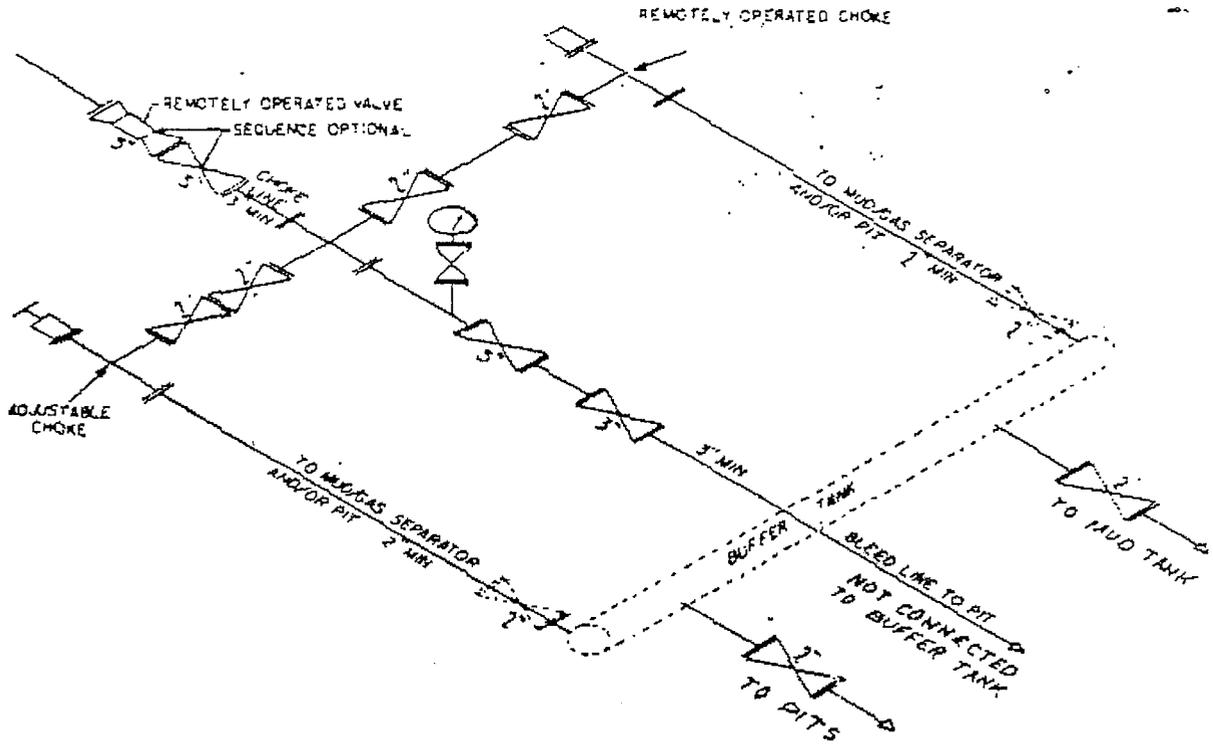


EXHIBIT B CONTINUED

Federal Register / Vol. 53, No. 223 / Friday, November 18, 1988 / Rules and Regulations

48813



② 5M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-28738 Filed 11-17-88; 8:45 am]
BILLING CODE 4310-04-C

HALLIBURTON

Q. E. P.
1050 17th Street Suite 500
Denver, Colorado 80265

Flat Rock 3P-36-14-19

Uintah County, Utah
United States of America
S:36 T:14S R:19E

Cementing Recommendation

Prepared for: Jim Davidson
September 27, 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 cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

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

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

Prepared by: _____
Kyle Scott
Technical Professional

Submitted by: _____
Rob Kruger
District Sales Lead

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

Job Information**9-5/8" Intermediate**

Flat Rock	3P-36-14-19
13-3/8" Surface Casing	0 - 500 ft (MD)
Outer Diameter	13.375 in
Inner Diameter	12.515 in
Linear Weight	61 lbm/ft
12-1/4" Open Hole	500 - 4100 ft (MD)
Inner Diameter	12.250 in
Job Excess	35 %
9-5/8" Intermediate	0 - 4100 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Mud Type	Water Based Mud
Mud Weight	8.70 lbm/gal
BHST	100 degF
BHCT	85 degF

Calculations

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 : (3600.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.349 \text{ ft}^3/\text{ft} * 0 \% &= 174.49 \text{ ft}^3 \\ 3100.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 35 \% &= 1310.69 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1485.18 \text{ ft}^3 \\ &= 264.52 \text{ bbl} \\ \text{Sacks of Cement} &= 764 \text{ sks} \end{aligned}$$

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:

$$\begin{aligned} 4100.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 1779.67 \text{ ft}^3 \\ &= 316.97 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 316.97 \text{ bbl} - 3.25 \text{ bbl} \\ &= 313.72 \text{ bbl} \end{aligned}$$

Job Recommendation

9-5/8" Intermediate

Fluid Instructions

Fluid 1: Water Spacer
Fresh Water

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 ft³/sk
Total Mixing Fluid: 6.39 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 3600 ft
Volume: 264.52 bbl
Calculated Sacks: 764.48 sks
Proposed Sacks: 770 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 ft³/sk
Total Mixing Fluid: 6.39 Gal/sk
Top of Fluid: 3600 ft
Calculated Fill: 500 ft
Volume: 40.90 bbl
Calculated Sacks: 156.32 sks
Proposed Sacks: 160 sks

Fluid 6: Water Based Spacer

Displacement

Fluid Density: 8.70 lbm/gal
Fluid Volume: 313.70 bbl

Fluid 7: Top Out Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)
12 % Cal-Seal 60 (Accelerator)
3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal
Slurry Yield: 1.55 ft³/sk
Total Mixing Fluid: 7.35 Gal/sk
Proposed Sacks: 75 sks

*****Slurry Volumes subject to change based on caliper log results – Exces 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	8.3	5.0	10 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water	8.3	5.0	10 bbl
4	Cement	11 ppg Foamed Lead	14.3	5.0	770 sks
5	Cement	14.3 ppg Unfoamed Tail	14.3	5.0	160 sks
6	Spacer	Displacement	8.7	7.0	313.70 bbl
7	Cement	Cap Cement	14.6	2.0	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
Stage 1						
4	11 ppg Foamed Lead	200.02bb 1	11.0	11.0	13.2	270.6

Foam Design Specifications:

Foam Calculation Method: Constant Density
 Backpressure: 100 psig
 Bottom Hole Circulating Temp: 85 degF
 Mud Outlet Temperature: 75 degF

Calculated Gas = 28209.0 scf
 Additional Gas = 40000 scf
 Total Gas = 68209.0 scf

Job Information**5-1/2" Production**

Flat Rock

3P-36-14-19

9-5/8" Intermediate

0 - 4100 ft (MD)

Outer Diameter

9.625 in

Inner Diameter

8.921 in

Linear Weight

36 lbm/ft

8-1/2" Open Hole

4100 - 12675.34 ft (MD)

Inner Diameter

8.500 in

Job Excess

35 %

5-1/2" Production

0 - 12675.34 ft (MD)

Outer Diameter

5.500 in

Inner Diameter

4.892 in

Linear Weight

17 lbm/ft

Casing Grade

P-110

Calculations

5-1/2" Production

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:

$$\begin{aligned} 626.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 168.44 \text{ ft}^3 \\ \text{Total Spacer} &= 168.44 \text{ ft}^3 \\ &= 30.00 \text{ bbl} \end{aligned}$$

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 : (8575.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2691 \text{ ft}^3/\text{ft} * 0 \% &= 134.54 \text{ ft}^3 \\ 8075.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 35 \% &= 2497.20 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 2631.74 \text{ ft}^3 \\ &= 468.73 \text{ bbl} \\ \text{Sacks of Cement} &= 1304 \text{ sks} \end{aligned}$$

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:

$$\begin{aligned} 12675.34 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 1654.47 \text{ ft}^3 \\ &= 294.67 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 294.67 \text{ bbl} - 0.98 \text{ bbl} \\ &= 293.70 \text{ bbl} \end{aligned}$$

Job Recommendation

5-1/2" Production

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: 30 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)
0.3 % 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 ft³/sk
Total Mixing Fluid: 6.39 Gal/sk
Top of Fluid: 3600 ft
Calculated Fill: 8575 ft
Volume: 468.75 bbl
Calculated Sacks: 1303.89 sks
Proposed Sacks: 1310 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)
0.3 % 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 ft³/sk
Total Mixing Fluid: 6.39 Gal/sk
Top of Fluid: 12175 ft
Calculated Fill: 500 ft
Volume: 28.52 bbl
Calculated Sacks: 108.84 sks
Proposed Sacks: 110 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).**

Fluid 6: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 293.70 bbl

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	Super Flush	9.2	5.0	30 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	11 ppg Foamed Lead	14.3	5.0	1310 sks
5	Cement	14.3 ppg Unfoamed Tail	14.3	5.0	110 sks
6	Spacer	Displacement	8.3	5.0	293.70 bbl

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	11 ppg Foamed Lead	341.61bb 1	11.0	11.0	195.7	686.1

Foam Design Specifications:

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

Calculated Gas = 154521.7 scf
 Additional Gas = 40000 scf
 Total Gas = 194521.7 scf

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

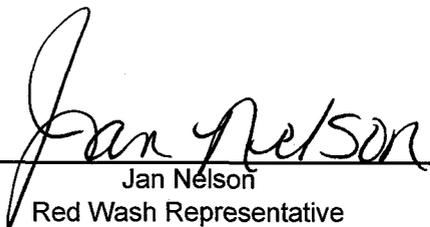
Certification:

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

09-Nov-05

Date

QUESTAR EXPLR. & PROD.

FR #3P-36-14-19

LOCATED IN UINTAH COUNTY, UTAH
SECTION 36, T14S, R19E, S.L.B.&M.



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

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

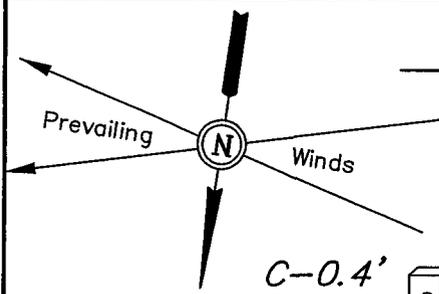
LOCATION PHOTOS			6	17	05	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: G.O.	DRAWN BY: J.L.G.	REVISED: 00-00-00				

QUESTAR EXPLR. & PROD.

FIGURE #1

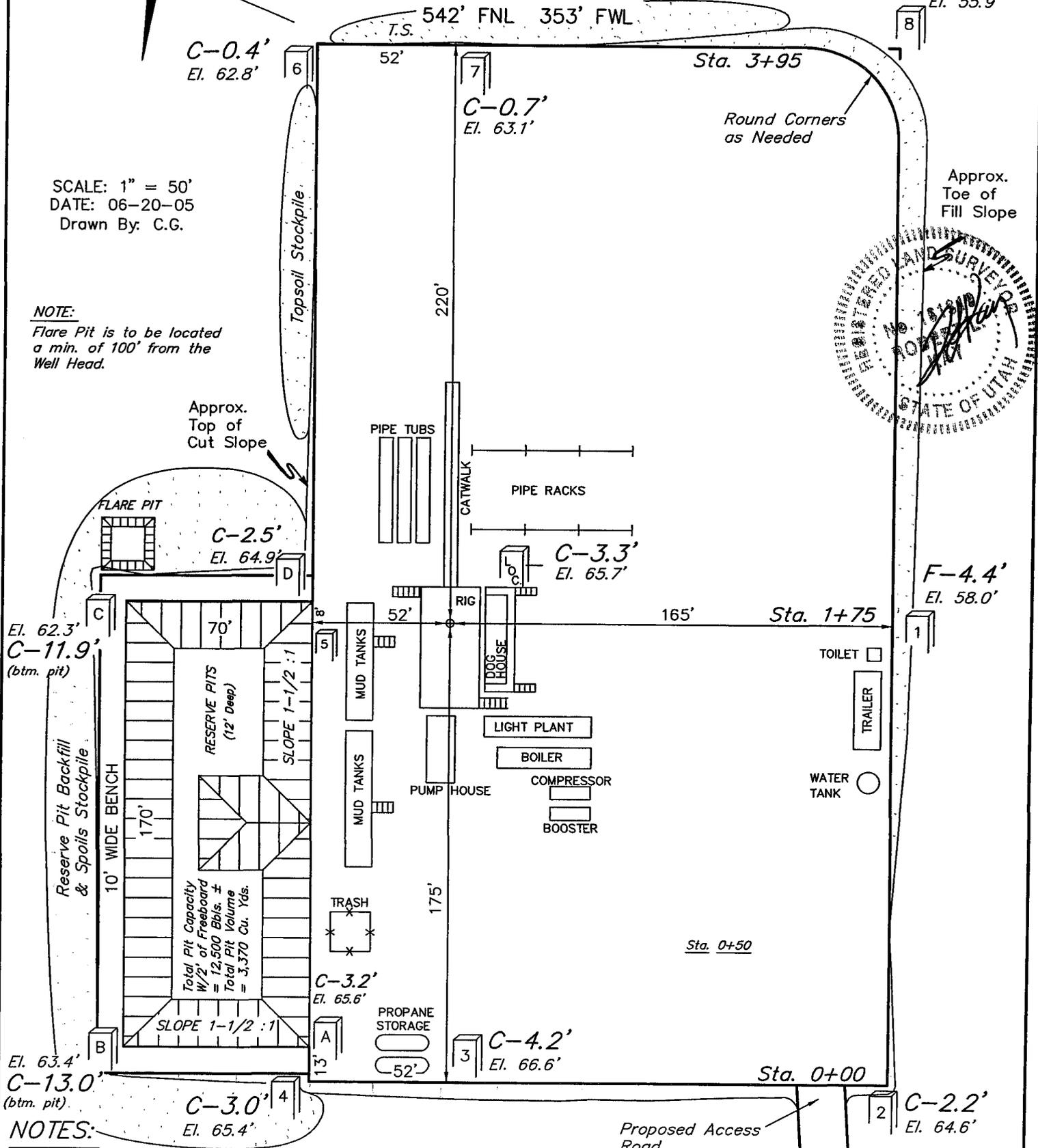
LOCATION LAYOUT FOR
FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL

F-6.5'
El. 55.9'



SCALE: 1" = 50'
DATE: 06-20-05
Drawn By: C.G.

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



NOTES:
Elev. Ungraded Ground At Loc. Stake = 7165.7'
FINISHED GRADE ELEV. AT LOC. STAKE = 7162.4'

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

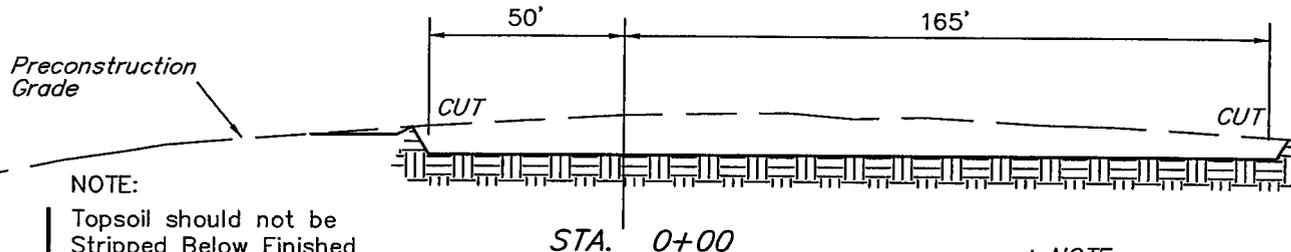
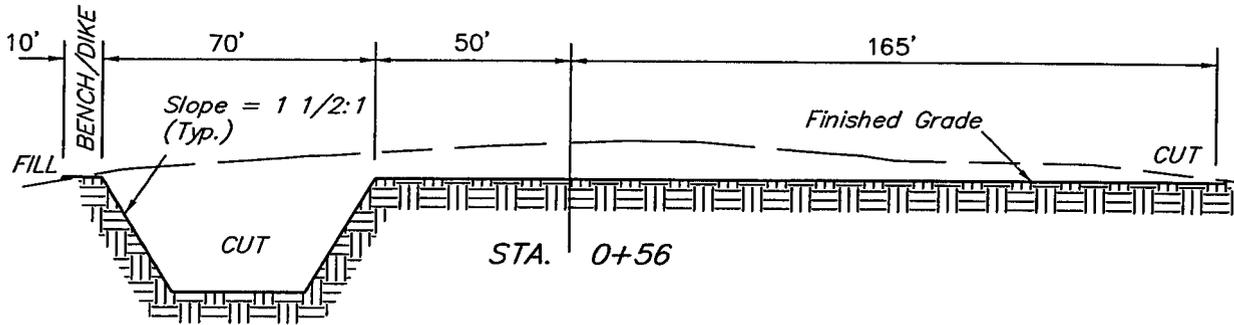
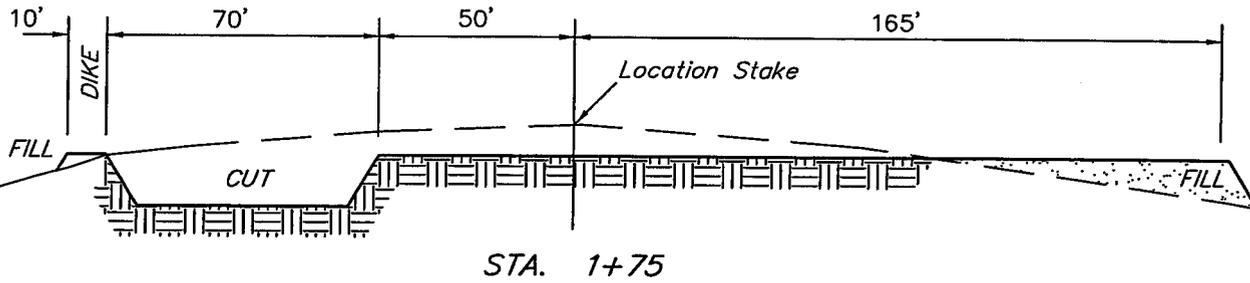
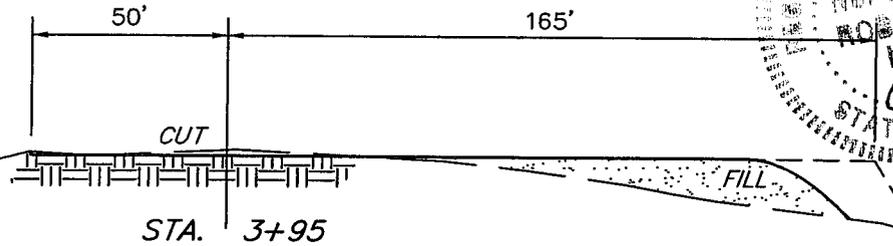
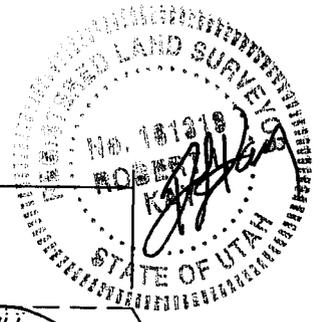
QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR
FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL

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

DATE: 06-20-05
Drawn By: C.G.



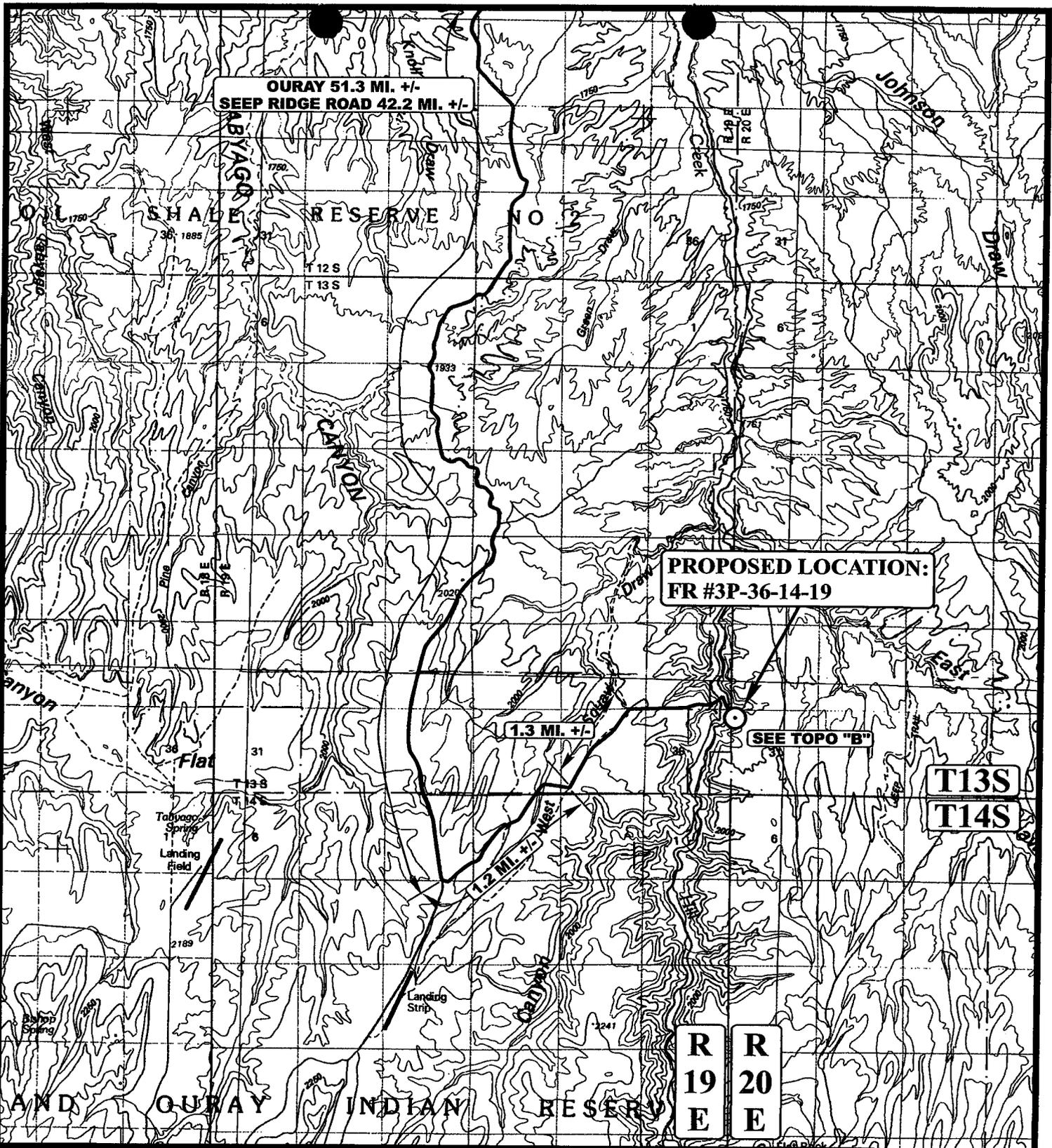
NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 4,050 Cu. Yds.
Remaining Location	= 6,300 Cu. Yds.
TOTAL CUT	= 10,350 CU.YDS.
FILL	= 4,610 CU.YDS.

EXCESS MATERIAL	= 5,740 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,740 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.



**PROPOSED LOCATION:
FR #3P-36-14-19**

SEE TOPO "B"

**T13S
T14S**

**R
19
E**

**R
20
E**

LEGEND:

○ PROPOSED LOCATION

QUESTAR EXPLR. & PROD.

FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL

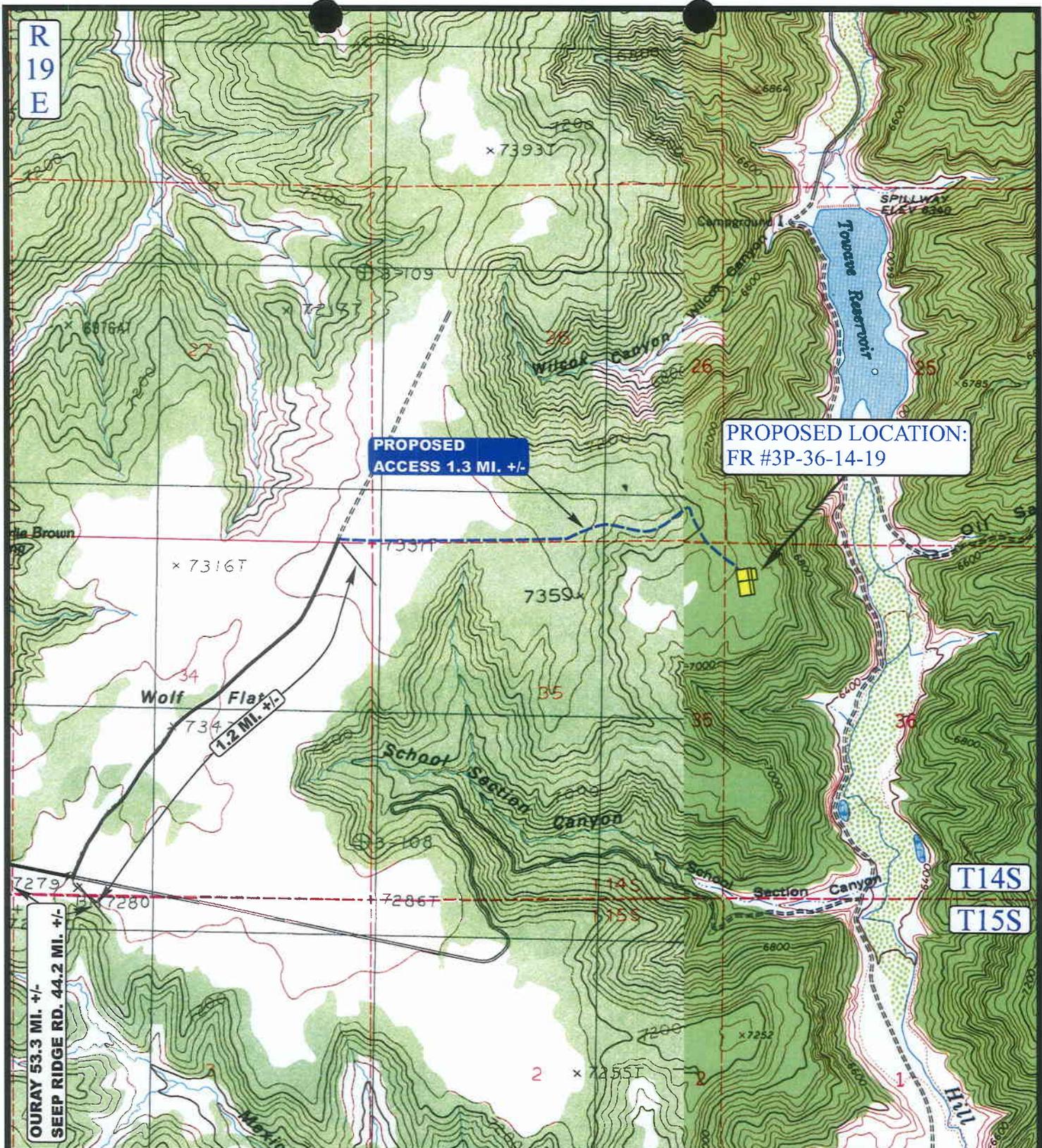


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC 6 17 05
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00





R
19
E

**PROPOSED
ACCESS 1.3 MI. +/-**

**PROPOSED LOCATION:
FR #3P-36-14-19**

**Wolf Flat
1.2 MI. +/-**

**OURAY 53.3 MI. +/-
SEEP RIDGE RD. 44.2 MI. +/-**

T14S

T15S

LEGEND:

- - - - - PROPOSED ACCESS ROAD
- EXISTING ROAD

QUESTAR EXPLR. & PROD.

FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL



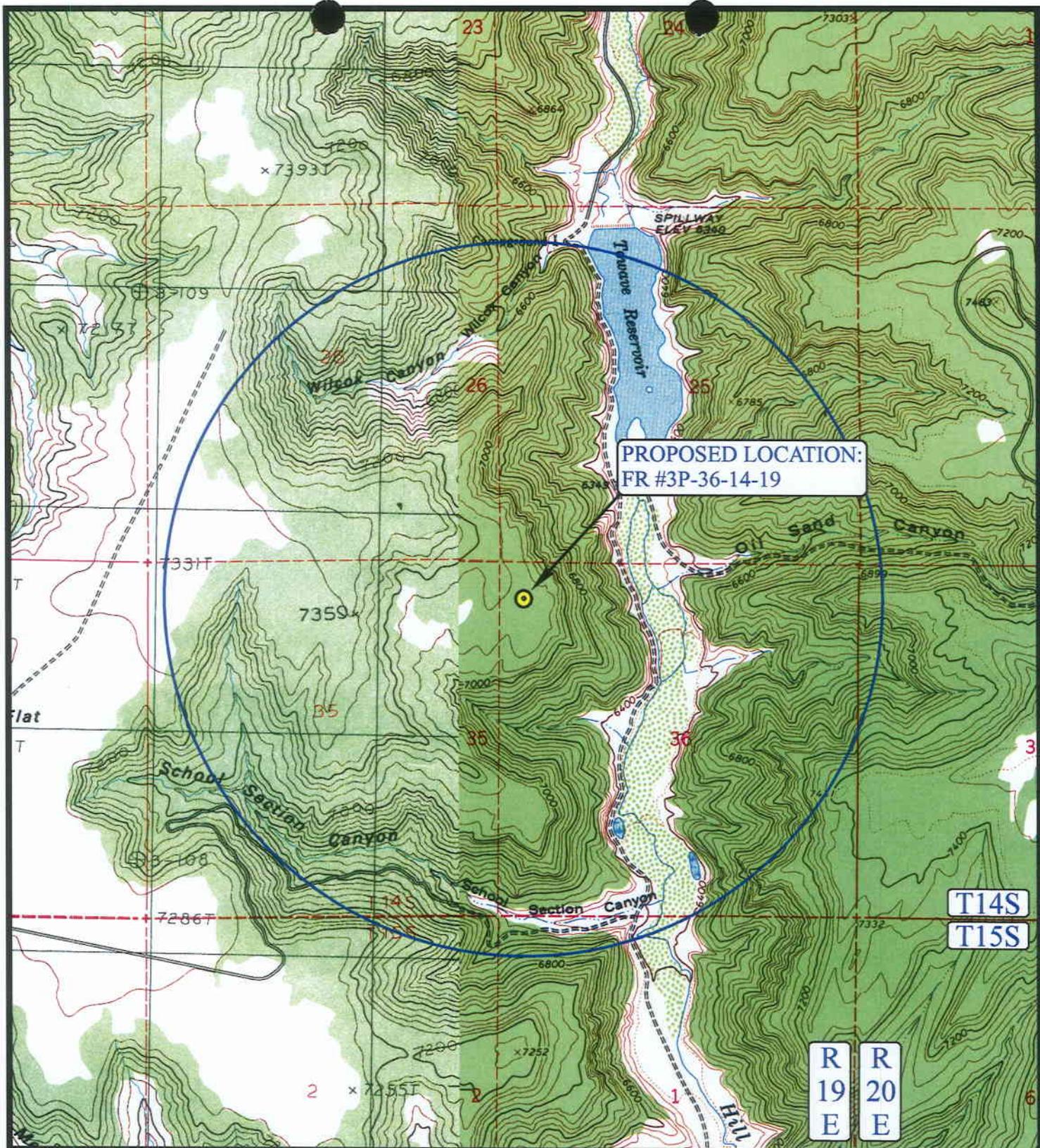
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

6 17 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





**PROPOSED LOCATION:
FR #3P-36-14-19**

**T14S
T15S**

**R 19 E
R 20 E**

LEGEND:

- ⊗ DISPOSAL WELLS
- ⊗ WATER WELLS
- PRODUCING WELLS
- ⊗ ABANDONED WELLS
- ⊖ SHUT IN WELLS
- TEMPORARILY ABANDONED



QUESTAR EXPLR. & PROD.

**FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL**



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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

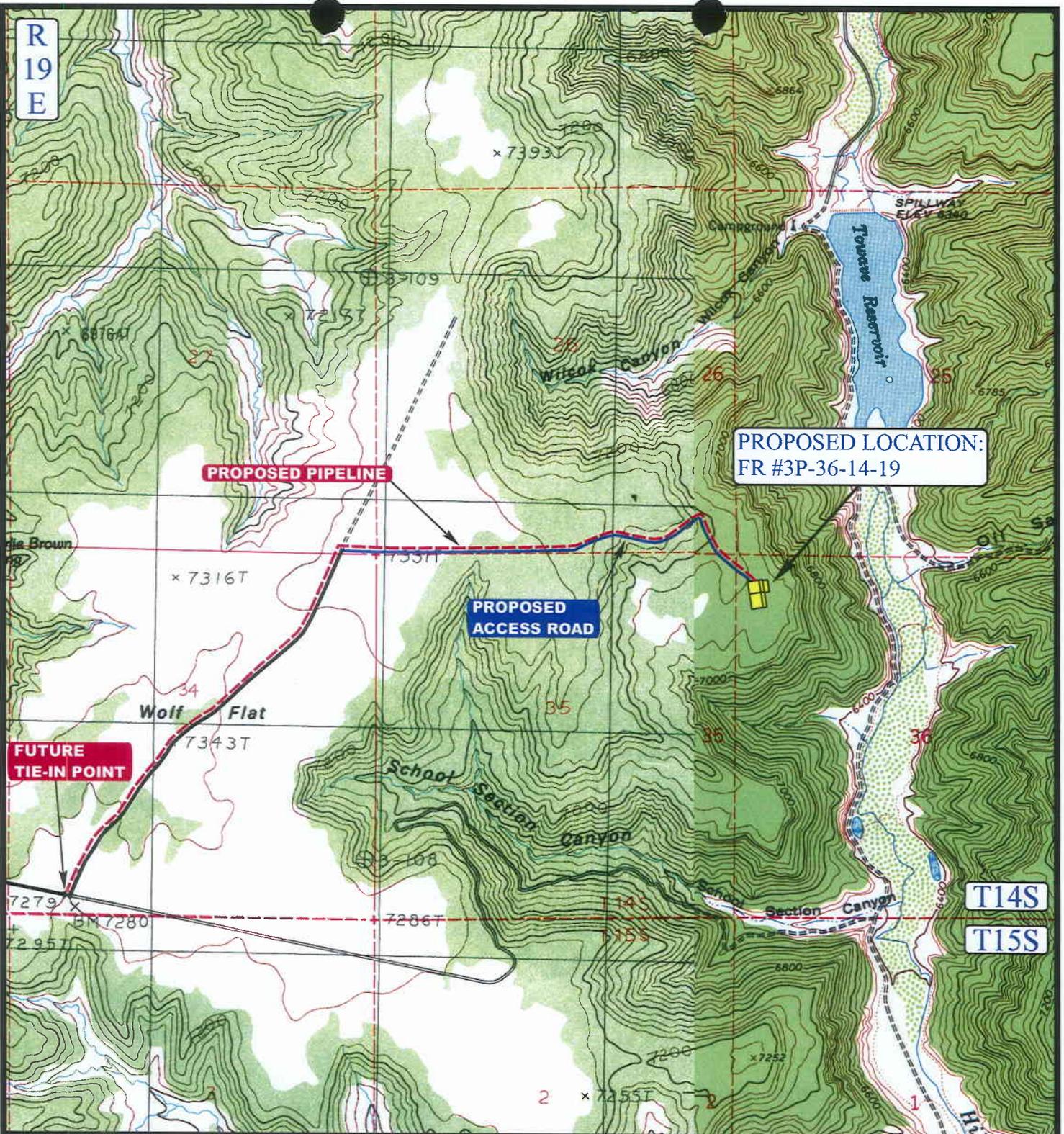
**TOPOGRAPHIC
MAP**

6 17 05
MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

R
19
E



PROPOSED LOCATION:
FR #3P-36-14-19

PROPOSED PIPELINE

PROPOSED
ACCESS ROAD

FUTURE
TIE-IN POINT

T14S
T15S

APPROXIMATE TOTAL PIPELINE DISTANCE = 13,000' +/-

LEGEND:

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS

QUESTAR EXPLR. & PROD.

FR #3P-36-14-19
SECTION 36, T14S, R19E, S.L.B.&M.
542' FNL 353' FWL



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

TOPOGRAPHIC
MAP

6 17 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/15/2005

API NO. ASSIGNED: 43-047-37376

WELL NAME: FR 3P-36-14-19
 OPERATOR: QEP UINTA BASIN, INC. (N2460)
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

NWNW 36 140S 190E
 SURFACE: 0542 FNL 0353 FWL
NEW BOTTOM: 0660 FNL 1980 FWL
 UINTAH
 UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DND	11/17/05
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-49279
 SURFACE OWNER: 2 - Indian
 PROPOSED FORMATION: PRCAM
 COALBED METHANE WELL? NO

LATITUDE: 39.56155
 LONGITUDE: -109.7466

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 965003033)
- 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)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
Unit _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Fed approval
2- Spacing Strip
3- STATEMENT OF BASIS

FLAT ROCK FIELD

T14S R19E

T14S R20E

IR 3P-36-14-19

RII 3P-36-14-19

RII 4P-36-14-19

IR 4P-36-14-19

36

RII 9P-36-14-19

IR 9P-36-14-19

T15S R19E

T15S R20E

RII 1P-15-19

WT 1P-15-19

OPERATOR: QEP UINTA BASIN INC (N2460)

SEC: 36 T. 14S R. 19E

FIELD: UNDESIGNATED (002)

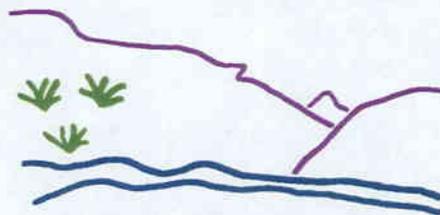
COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

Unit Status	
	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status	
	GAS INJECTION
	GAS STORAGE
	LOCATION ABANDONED
	NEW LOCATION
	PLUGGED & ABANDONED
	PRODUCING GAS
	PRODUCING OIL
	SHUT-IN GAS
	SHUT-IN OIL
	TEMP. ABANDONED
	TEST WELL
	WATER INJECTION
	WATER SUPPLY
	WATER DISPOSAL
	DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 15-NOVEMBER-2005

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Q.E.P. UINTA BASIN, INC.
WELL NAME & NUMBER: FR 3P-36-14-19
API NUMBER: 43-047-37376
LOCATION: 1/4,1/4 NW/NW Sec: 36 TWP: 14S RNG: 19E 542' FNL 353' FWL

Geology/Ground Water:

QEP proposes to set 500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,000'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. This location lies on the Green River Formation. The proposed location is in a recharge area for the aquifers of the upper Green River formation and fresh water can be expected to be found in the upper Green River. The proposed casing and cement should adequately isolate fresh water from more saline waters downhole.

Reviewer: Brad Hill **Date:** 11/17/2005

Surface:

The surface rights at the proposed location are owned by the Ute Indian Tribe. The operator is responsible for obtaining all required permits and rights-of-way prior to making any surface disturbance or drilling the well.

Reviewer: Brad Hill **Date:** 11/17/2005

Conditions of Approval/Application for Permit to Drill:

None.

11-05 QEP FR 3P-36-14-19

Casing Schematic

Green River Surface

13-3/8"
MW 8.4
Frac 19.3

TOC @
0.
Surface
500. MD
500. TVD

✓ w/18% Washout

BHP
 $(9.5)(12408)(0.052) = 6129$
~~5806~~
 Anticipate 6100

TOC @
1930.
2090 Washout

✓ propose TOC 400'

9-5/8"
MW 8.6
Frac 19.3

4070 Masamendi
Intermediate
4500. MD
4499. TVD

w/15% Washout
 ✓ TOC 414' w/ 3% Washout

Gas
 $(0.0)(12408) = 1488$
 MASP = 4612

TOC @
6814.

BOPE - 5,000 # ✓

Surf csg - 1730
 $70\% = 1211$

Max pressure @ Surf shoe = 1132 #
 Test to 1200 # ✓

✓ propose TOC 3600'

Int csg - 3950
 $70\% = 2765$

Max pressure @ Int shoe = ~~4361~~ 4361
 Test to 2700 # ✓

w/15% Washout
 ✓ TOC 3563' w/ 0% Washout

10215 Mancos

5-1/2"
MW 9.
9.5

Production
12675. MD
12408. TVD

✓ Adequate (view) 11/17/05

Well name:	11-05 QEP FR 3P-36-14-19	
Operator:	QEP Uinta Basin Inc.	Project ID:
String type:	Surface	43-047-37376
Location:	Uintah County, Utah	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 72 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 299 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 47 psi
 Internal gradient: 0.436 psi/ft
 Calculated BHP 265 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 439 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,499 ft
 Next mud weight: 8.600 ppg
 Next setting BHP: 2,010 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 500 ft
 Injection pressure 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	47
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	740	3.392	265	1730	6.53	24	322	13.42 J

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

Phone: (801) 538-5281
 FAX: (801)359-3940

Date: November 16,2005
 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:

11-05 QEP FR 3P-36-14-19

Operator: QEP Uinta Basin Inc.

String type: Intermediate

Project ID:

43-047-37376

Location: Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 128 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 500 ft

Cement top: 1,930 ft

Burst

Max anticipated surface pressure: 3,959 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 4,499 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.

Neutral point: 3,924 ft

Directional well information:

Kick-off point 400 ft
Departure at shoe: 22 ft
Maximum dogleg: 1.4 °/100ft
Inclination at shoe: 6 °

Re subsequent strings:

Next setting depth: 12,408 ft
Next mud weight: 9.000 ppg
Next setting BHP: 5,801 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,499 ft
Injection pressure 4,499 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	4500	9.625	40.00	J-55	ST&C	4499	4500	8.75	357.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2010	2531	1.259	4499	3950	0.88	180	452	2.51 J

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

Phone: (801) 538-5281
FAX: (801)359-3940

Date: November 16,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

Well name:	11-05 QEP FR 3P-36-14-19	
Operator:	QEP Uinta Basin Inc.	Project ID:
String type:	Production	43-047-37376
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 47 psi
 Internal gradient: 0.464 psi/ft
 Calculated BHP: 5,801 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 10,982 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 239 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: 6,814 ft

Directional well information:

Kick-off point: 400 ft
 Departure at shoe: 1614 ft
 Maximum dogleg: 2 °/100ft
 Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	12675	5.5	17.00	P-110	LT&C	12408	12675	4.767	436.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5801	7480	1.289	5801	10640	1.83	211	445	2.11 J

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

Phone: (801) 538-5281
 FAX: (801)359-3940

Date: November 16,2005
 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

November 17, 2005

QEP Uinta Basin, Inc.
11002 E 17500 S
Vernal, UT 84078

Re: FR 3P-36-14-19 Well, 542' FNL, 353' FWL, NW NW, Sec. 36,
T. 14 South, R. 19 East, Bottom Location 660' FNL, 1980' FWL,
NE NW, Sec. 36, T. 14 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 43-047-37376.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: QEP Uinta Basin, Inc.
Well Name & Number FR 3P-36-14-19
API Number: 43-047-37376
Lease: ML-49279

Location: NW NW Sec. 36 T. 14 South R. 19 East
Bottom Location: NE NW Sec. 36 T. 14 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

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

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

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

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

3. Reporting Requirements

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

4. 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.

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

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2

43-047-37376

November 17, 2005

7. 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.

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49279
2. NAME OF OPERATOR: QEP UINTA BASIN, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 542' FNL 353' FWL COUNTY: UINTAH		8. WELL NAME and NUMBER: FR 3P-36-14-19
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 36 14S 19E STATE: UTAH		9. API NUMBER: 4304737376
		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
		PHONE NUMBER: (435) 781-4331

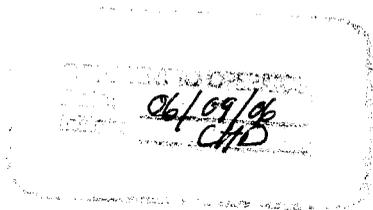
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

QEP Uinta Basin Inc., proposes drill this well to the Entrada formation. The original TD was 12400' TVD 12675' MD. The new proposed TD will be 11900' TVD 12154' MD.

Please see revised drilling plan.



NAME (PLEASE PRINT) <u>Jan Nelson</u>	TITLE <u>Regulatory Affairs</u>
SIGNATURE <u>[Signature]</u>	DATE <u>5/3/2006</u>

(This space for State Use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 5/30/06
BY: [Signature]
(See Instructions on Reverse Side)

RECEIVED

DIV. OF OIL, GAS & MINING

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	
Wasatch	2195	2195	Gas
Mesaverde	4150	4150	
Castlegate	6020	6088	
Mancos	6210	6289	
Dakota	10145	10304	Gas
Cedar Mountain	10225	10479	
Morrison	10435	10689	
Curtis	10990	11244	
Entrada	11070	11324	Gas
Carmel	11395	11649	
Wingate	11605	11859	Gas
TD	11900	12154	

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>Depth</u>
Oil/Gas	Entrada	11070'

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.

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MAY 08 2008

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 2500 psi, 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 ½"	13 3/8"	H-40	48lb/ft (new)
Intermediate	4200'	12 ¼"	9 5/8"	J-55	40lb/ft (new)
Production	TD	8 ½"	5 ½"	P-110	17lb/ft(new)

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – Yes
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes

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NOV 20 2019
DIV. OF OIL, GAS & MINING

- 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.

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DEC 10 2019

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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 H₂S 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 6100 psi. Maximum anticipated bottom hole temperature is 140° F.

9. Surface Owner

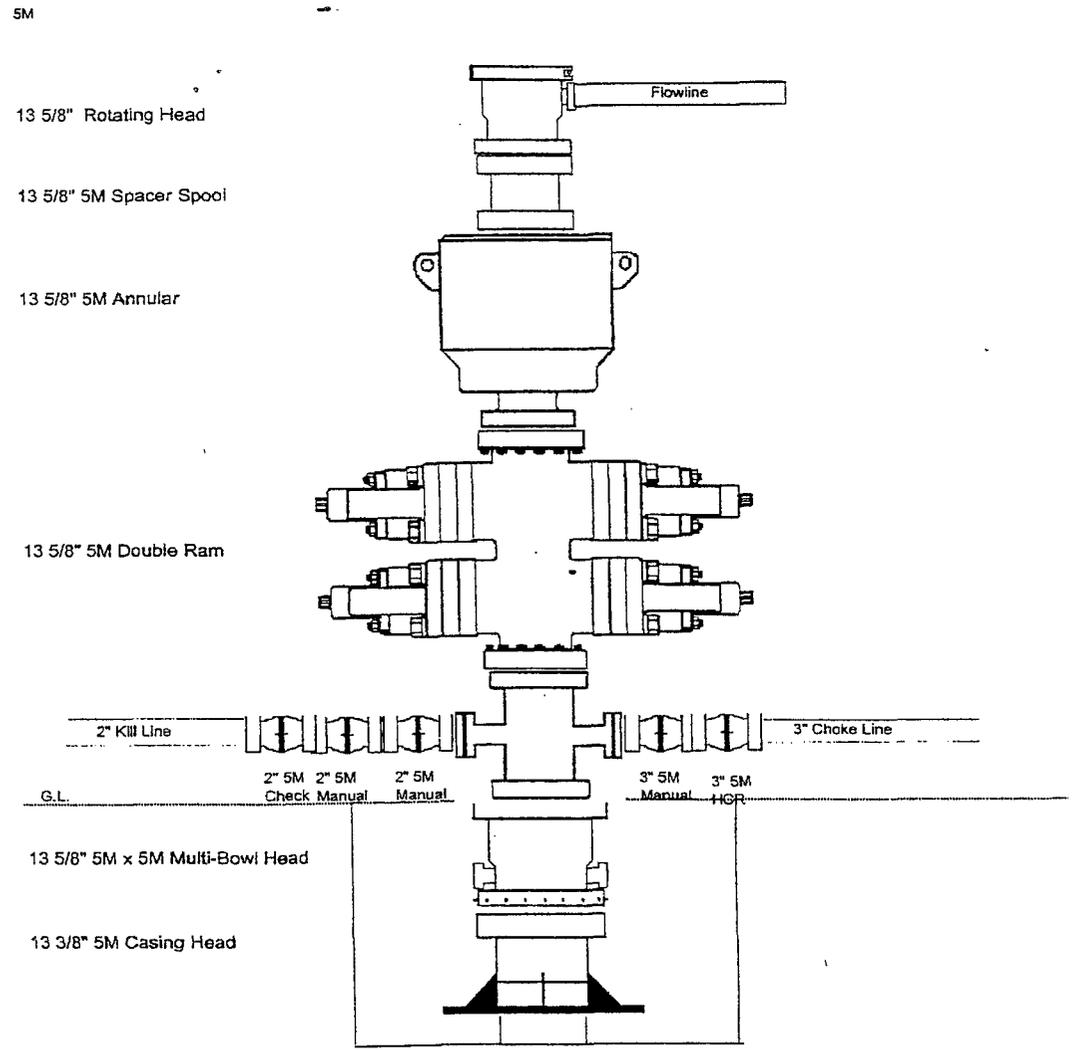
The well pad and access road are located on lands owned by the Ute Tribe.

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NOV 13 2019

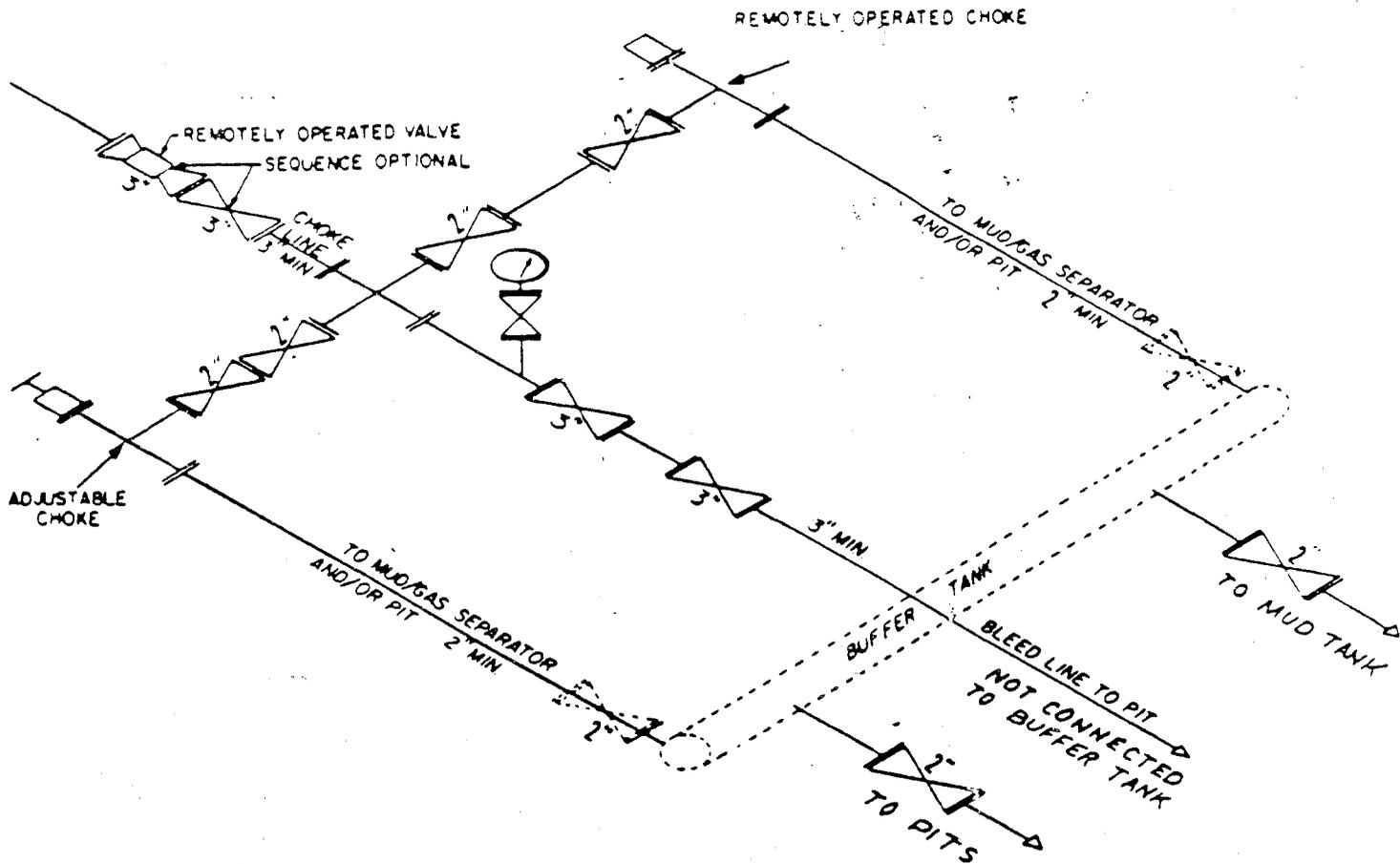
DIV. OF OIL, GAS & MINING

EXHIBIT B
SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK



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MAY 09 2008
MAY 09 2008



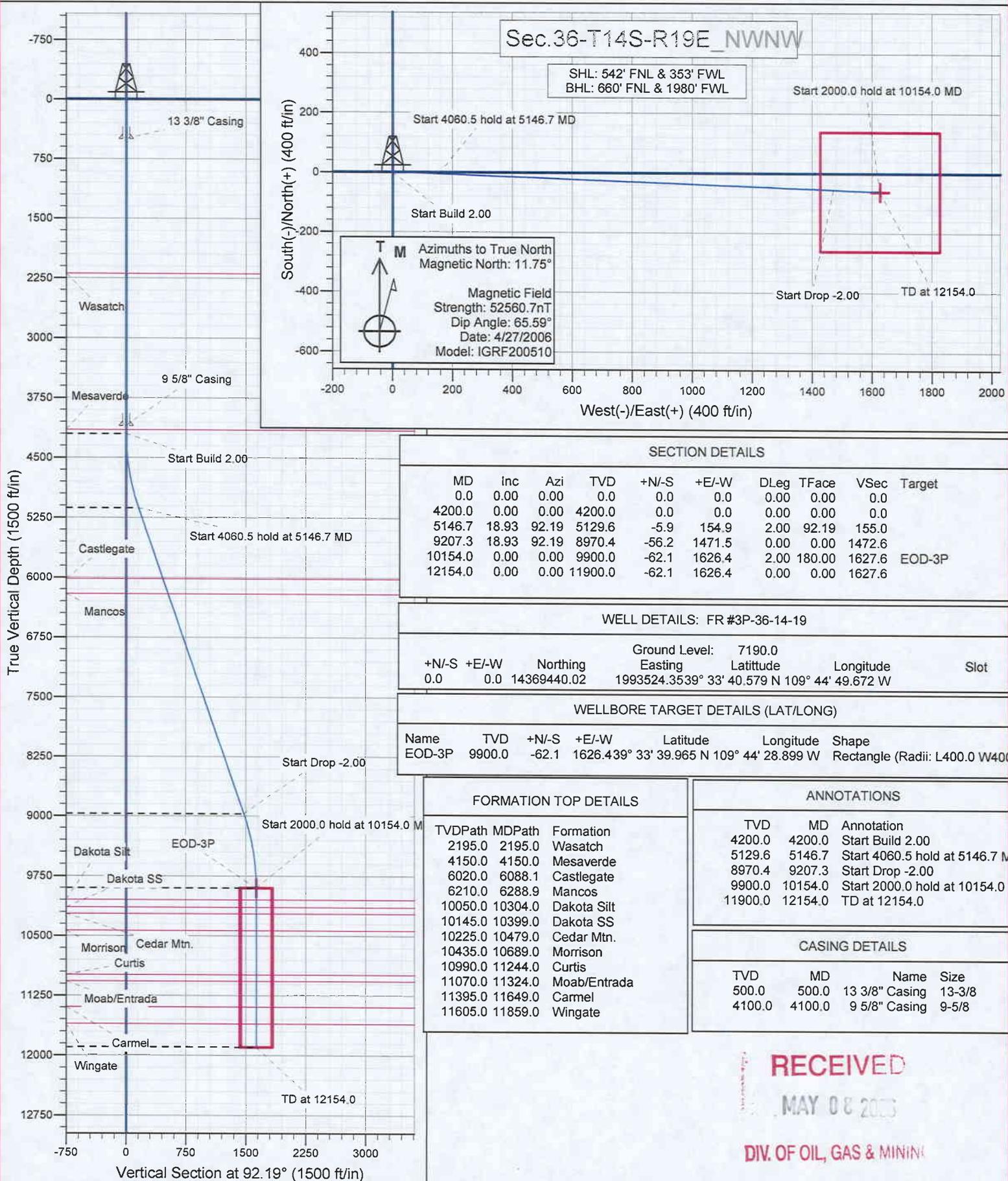
② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-28738 Filed 11-17-88; 8:45 am]
 BILLING CODE 4310-04-C

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 NOV 18 1988
 DIV. OF OIL, GAS & MINING



Company: Questar Exploration & Production
 Project: Flat Rock
 Site: Sec.36-T14S-R19E_NWNW
 Well: FR #3P-36-14-19
 Wellbore: Wellbore #1
 Plan: Plan #1 (FR #3P-36-14-19/Wellbore #1)



Sec.36-T14S-R19E_NWNW

SHL: 542' FNL & 353' FWL
 BHL: 660' FNL & 1980' FWL

Azimuths to True North
 Magnetic North: 11.75°
 Magnetic Field
 Strength: 52560.7nT
 Dip Angle: 65.59°
 Date: 4/27/2006
 Model: IGRF200510

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4200.0	0.00	0.00	4200.0	0.0	0.0	0.00	0.00	0.0	
5146.7	18.93	92.19	5129.6	-5.9	154.9	2.00	92.19	155.0	
9207.3	18.93	92.19	8970.4	-56.2	1471.5	0.00	0.00	1472.6	
10154.0	0.00	0.00	9900.0	-62.1	1626.4	2.00	180.00	1627.6	EOD-3P
12154.0	0.00	0.00	11900.0	-62.1	1626.4	0.00	0.00	1627.6	

WELL DETAILS: FR #3P-36-14-19

+N/-S	+E/-W	Northing	Ground Level:	7190.0	Slot
0.0	0.0	14369440.02	Easting	1993524.3539° 33' 40.579 N	109° 44' 49.672 W

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
EOD-3P	9900.0	-62.1	1626.4	39° 33' 39.965 N	109° 44' 28.899 W	Rectangle (Radii: L400.0 W400.0)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2195.0	2195.0	Wasatch
4150.0	4150.0	Mesaverde
6020.0	6088.1	Castlegate
6210.0	6288.9	Mancos
10050.0	10304.0	Dakota Silt
10145.0	10399.0	Dakota SS
10225.0	10479.0	Cedar Mtn.
10435.0	10689.0	Morrison
10990.0	11244.0	Curtis
11070.0	11324.0	Moab/Entrada
11395.0	11649.0	Carmel
11605.0	11859.0	Wingate

ANNOTATIONS

TVD	MD	Annotation
4200.0	4200.0	Start Build 2.00
5129.6	5146.7	Start 4060.5 hold at 5146.7 M
8970.4	9207.3	Start Drop -2.00
9900.0	10154.0	Start 2000.0 hold at 10154.0
11900.0	12154.0	TD at 12154.0

CASING DETAILS

TVD	MD	Name	Size
500.0	500.0	13 3/8" Casing	13-3/8
4100.0	4100.0	9 5/8" Casing	9-5/8

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 DIV. OF OIL, GAS & MINING

Questar Exploration & Production

Flat Rock

Sec.36-T14S-R19E_NWNW

FR #3P-36-14-19

Wellbore #1

Plan: Plan #1

Pathfinder Planning Report

27 April, 2006

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DIV. OF OIL, GAS & MINING

Pathfinder Energy Services
Planning Report

Database: EDM 2003.14 Single User Db
Company: Questar Exploration & Production
Project: Flat Rock
Site: Sec.36-T14S-R19E_NWNW
Well: FR #3P-36-14-19
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well FR #3P-36-14-19
TVD Reference: WELL @ 7215.0ft (Original Well Elev)
MD Reference: WELL @ 7215.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Flat Rock		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Sec.36-T14S-R19E_NWNW				
Site Position:		Northing:	14,369,440.02 ft	Latitude:	39° 33' 40.579 N
From:	Lat/Long	Easting:	1,993,524.35 ft	Longitude:	109° 44' 49.672 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.80 °

Well	FR #3P-36-14-19					
Well Position	+N/-S	0.0 ft	Northing:	14,369,440.02 ft	Latitude:	39° 33' 40.579 N
	+E/-W	0.0 ft	Easting:	1,993,524.35 ft	Longitude:	109° 44' 49.672 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,190.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/27/2006	11.75	65.59	52,561

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	9,900.0	0.0	0.0	92.19	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,146.7	18.93	92.19	5,129.6	-5.9	154.9	2.00	2.00	0.00	92.19	
9,207.3	18.93	92.19	8,970.4	-56.2	1,471.5	0.00	0.00	0.00	0.00	
10,154.0	0.00	0.00	9,900.0	-62.1	1,626.4	2.00	-2.00	0.00	180.00	EOD-3P
12,154.0	0.00	0.00	11,900.0	-62.1	1,626.4	0.00	0.00	0.00	0.00	

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DIV. OF OIL, GAS & MINING

Pathfinder Energy Services

Planning Report

DIV. OF OIL, GAS & MINING

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MD Reference: WELL @ 7215.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8" Casing									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
Wasatch									
2,195.0	0.00	0.00	2,195.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8" Casing									
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
Mesaverde									
4,150.0	0.00	0.00	4,150.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	2.00	92.19	4,300.0	-0.1	1.7	1.7	2.00	2.00	0.00
4,400.0	4.00	92.19	4,399.8	-0.3	7.0	7.0	2.00	2.00	0.00
4,500.0	6.00	92.19	4,499.5	-0.6	15.7	15.7	2.00	2.00	0.00

Pathfinder Energy Services

Planning Report

DIV. OF OIL, GAS & MINING

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MD Reference: WELL @ 7215.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,600.0	8.00	92.19	4,598.7	-1.1	27.9	27.9	2.00	2.00	0.00	
4,700.0	10.00	92.19	4,697.5	-1.7	43.5	43.5	2.00	2.00	0.00	
4,800.0	12.00	92.19	4,795.6	-2.4	62.6	62.6	2.00	2.00	0.00	
4,900.0	14.00	92.19	4,893.1	-3.2	85.0	85.1	2.00	2.00	0.00	
5,000.0	16.00	92.19	4,989.6	-4.2	110.9	111.0	2.00	2.00	0.00	
5,100.0	18.00	92.19	5,085.3	-5.3	140.1	140.2	2.00	2.00	0.00	
Start 4060.5 hold at 5146.7 MD										
5,146.7	18.93	92.19	5,129.6	-5.9	154.9	155.0	2.00	2.00	0.00	
5,200.0	18.93	92.19	5,180.0	-6.6	172.2	172.3	0.00	0.00	0.00	
5,300.0	18.93	92.19	5,274.6	-7.8	204.6	204.7	0.00	0.00	0.00	
5,400.0	18.93	92.19	5,369.2	-9.0	237.0	237.2	0.00	0.00	0.00	
5,500.0	18.93	92.19	5,463.7	-10.3	269.5	269.6	0.00	0.00	0.00	
5,600.0	18.93	92.19	5,558.3	-11.5	301.9	302.1	0.00	0.00	0.00	
5,700.0	18.93	92.19	5,652.9	-12.8	334.3	334.5	0.00	0.00	0.00	
5,800.0	18.93	92.19	5,747.5	-14.0	366.7	367.0	0.00	0.00	0.00	
5,900.0	18.93	92.19	5,842.1	-15.2	399.2	399.4	0.00	0.00	0.00	
6,000.0	18.93	92.19	5,936.7	-16.5	431.6	431.9	0.00	0.00	0.00	
Castlegate										
6,088.1	18.93	92.19	6,020.0	-17.6	460.1	460.5	0.00	0.00	0.00	
6,100.0	18.93	92.19	6,031.3	-17.7	464.0	464.3	0.00	0.00	0.00	
6,200.0	18.93	92.19	6,125.9	-18.9	496.4	496.8	0.00	0.00	0.00	
Mancos										
6,288.9	18.93	92.19	6,210.0	-20.1	525.3	525.6	0.00	0.00	0.00	
6,300.0	18.93	92.19	6,220.5	-20.2	528.9	529.2	0.00	0.00	0.00	
6,400.0	18.93	92.19	6,315.0	-21.4	561.3	561.7	0.00	0.00	0.00	
6,500.0	18.93	92.19	6,409.6	-22.7	593.7	594.1	0.00	0.00	0.00	
6,600.0	18.93	92.19	6,504.2	-23.9	626.1	626.6	0.00	0.00	0.00	
6,700.0	18.93	92.19	6,598.8	-25.1	658.6	659.0	0.00	0.00	0.00	
6,800.0	18.93	92.19	6,693.4	-26.4	691.0	691.5	0.00	0.00	0.00	
6,900.0	18.93	92.19	6,788.0	-27.6	723.4	723.9	0.00	0.00	0.00	
7,000.0	18.93	92.19	6,882.6	-28.9	755.8	756.4	0.00	0.00	0.00	
7,100.0	18.93	92.19	6,977.2	-30.1	788.3	788.8	0.00	0.00	0.00	
7,200.0	18.93	92.19	7,071.8	-31.3	820.7	821.3	0.00	0.00	0.00	
7,300.0	18.93	92.19	7,166.3	-32.6	853.1	853.7	0.00	0.00	0.00	
7,400.0	18.93	92.19	7,260.9	-33.8	885.5	886.2	0.00	0.00	0.00	
7,500.0	18.93	92.19	7,355.5	-35.0	918.0	918.6	0.00	0.00	0.00	
7,600.0	18.93	92.19	7,450.1	-36.3	950.4	951.1	0.00	0.00	0.00	
7,700.0	18.93	92.19	7,544.7	-37.5	982.8	983.5	0.00	0.00	0.00	
7,800.0	18.93	92.19	7,639.3	-38.8	1,015.2	1,016.0	0.00	0.00	0.00	
7,900.0	18.93	92.19	7,733.9	-40.0	1,047.7	1,048.4	0.00	0.00	0.00	
8,000.0	18.93	92.19	7,828.5	-41.2	1,080.1	1,080.9	0.00	0.00	0.00	
8,100.0	18.93	92.19	7,923.1	-42.5	1,112.5	1,113.3	0.00	0.00	0.00	
8,200.0	18.93	92.19	8,017.6	-43.7	1,144.9	1,145.8	0.00	0.00	0.00	
8,300.0	18.93	92.19	8,112.2	-44.9	1,177.4	1,178.2	0.00	0.00	0.00	
8,400.0	18.93	92.19	8,206.8	-46.2	1,209.8	1,210.7	0.00	0.00	0.00	
8,500.0	18.93	92.19	8,301.4	-47.4	1,242.2	1,243.1	0.00	0.00	0.00	
8,600.0	18.93	92.19	8,396.0	-48.7	1,274.6	1,275.6	0.00	0.00	0.00	
8,700.0	18.93	92.19	8,490.6	-49.9	1,307.1	1,308.0	0.00	0.00	0.00	
8,800.0	18.93	92.19	8,585.2	-51.1	1,339.5	1,340.5	0.00	0.00	0.00	
8,900.0	18.93	92.19	8,679.8	-52.4	1,371.9	1,372.9	0.00	0.00	0.00	
9,000.0	18.93	92.19	8,774.4	-53.6	1,404.3	1,405.4	0.00	0.00	0.00	
9,100.0	18.93	92.19	8,869.0	-54.8	1,436.8	1,437.8	0.00	0.00	0.00	
9,200.0	18.93	92.19	8,963.5	-56.1	1,469.2	1,470.2	0.00	0.00	0.00	

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Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start Drop -2.00									
9,207.3	18.93	92.19	8,970.4	-56.2	1,471.5	1,472.6	0.00	0.00	0.00
9,300.0	17.08	92.19	9,058.6	-57.3	1,500.2	1,501.3	2.00	-2.00	0.00
9,400.0	15.08	92.19	9,154.7	-58.3	1,527.9	1,529.0	2.00	-2.00	0.00
9,500.0	13.08	92.19	9,251.7	-59.2	1,552.2	1,553.3	2.00	-2.00	0.00
9,600.0	11.08	92.19	9,349.5	-60.0	1,573.1	1,574.2	2.00	-2.00	0.00
9,700.0	9.08	92.19	9,447.9	-60.7	1,590.6	1,591.7	2.00	-2.00	0.00
9,800.0	7.08	92.19	9,546.9	-61.3	1,604.6	1,605.8	2.00	-2.00	0.00
9,900.0	5.08	92.19	9,646.3	-61.7	1,615.2	1,616.4	2.00	-2.00	0.00
10,000.0	3.08	92.19	9,746.1	-61.9	1,622.3	1,623.5	2.00	-2.00	0.00
10,100.0	1.08	92.19	9,846.0	-62.1	1,625.9	1,627.1	2.00	-2.00	0.00
Start 2000.0 hold at 10154.0 MD - EOD-3P									
10,154.0	0.00	0.00	9,900.0	-62.1	1,626.4	1,627.6	2.00	-2.00	0.00
10,200.0	0.00	0.00	9,946.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,046.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Dakota Silt									
10,304.0	0.00	0.00	10,050.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Dakota SS									
10,399.0	0.00	0.00	10,145.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,146.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Cedar Mtn.									
10,479.0	0.00	0.00	10,225.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,246.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,346.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Morrison									
10,689.0	0.00	0.00	10,435.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,700.0	0.00	0.00	10,446.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,800.0	0.00	0.00	10,546.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
10,900.0	0.00	0.00	10,646.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,000.0	0.00	0.00	10,746.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,100.0	0.00	0.00	10,846.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,200.0	0.00	0.00	10,946.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Curtis									
11,244.0	0.00	0.00	10,990.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,300.0	0.00	0.00	11,046.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Moab/Entrada									
11,324.0	0.00	0.00	11,070.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,400.0	0.00	0.00	11,146.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,500.0	0.00	0.00	11,246.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,600.0	0.00	0.00	11,346.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Carmel									
11,649.0	0.00	0.00	11,395.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,700.0	0.00	0.00	11,446.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,800.0	0.00	0.00	11,546.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
Wingate									
11,859.0	0.00	0.00	11,605.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
11,900.0	0.00	0.00	11,646.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
12,000.0	0.00	0.00	11,746.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
12,100.0	0.00	0.00	11,846.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00
TD at 12154.0									
12,154.0	0.00	0.00	11,900.0	-62.1	1,626.4	1,627.6	0.00	0.00	0.00

Pathfinder Energy Services
Planning Report

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Database: EDM 2003.14 Single User Db
Company: Questar Exploration & Production
Project: Flat Rock
Site: Sec.36-T14S-R19E_NWNW
Well: FR #3P-36-14-19
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well FR #3P-36-14-19
TVD Reference: WELL @ 7215.0ft (Original Well Elev)
MD Reference: WELL @ 7215.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
EOD-3P	0.00	0.00	9,900.0	-62.1	1,626.4	14,369,400.59	1,995,151.49	39° 33' 39.965 N	109° 44' 28.899 W
- plan hits target									
- Rectangle (sides W400.0 H400.0 D2,000.0)									

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(")	(")	
500.0	500.0	13 3/8" Casing	13-3/8	14-3/4	
4,100.0	4,100.0	9 5/8" Casing	9-5/8	12-1/4	

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
2,195.0	2,195.0	Wasatch		0.00		
4,150.0	4,150.0	Mesaverde		0.00		
6,088.1	6,020.0	Castlegate		0.00		
6,288.9	6,210.0	Mancos		0.00		
10,304.0	10,050.0	Dakota Silt		0.00		
10,399.0	10,145.0	Dakota SS		0.00		
10,479.0	10,225.0	Cedar Mtn.		0.00		
10,689.0	10,435.0	Morrison		0.00		
11,244.0	10,990.0	Curtis		0.00		
11,324.0	11,070.0	Moab/Entrada		0.00		
11,649.0	11,395.0	Carmel		0.00		
11,859.0	11,605.0	Wingate		0.00		

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
4,200.0	4,200.0	0.0	0.0	Start Build 2.00	
5,146.7	5,129.6	-5.9	154.9	Start 4060.5 hold at 5146.7 MD	
9,207.3	8,970.4	-56.2	1,471.5	Start Drop -2.00	
10,154.0	9,900.0	-62.1	1,626.4	Start 2000.0 hold at 10154.0 MD	
12,154.0	11,900.0	-62.1	1,626.4	TD at 12154.0	



Questar Exploration And Production
1050 17th St. Suite 500
Denver, Colorado 80265

Flat Rock_v1 #3P-36-14-19
Flat Rock Field
Uintah County, Utah
United States of America
S:36 T:14S R:19E

Cementing Recommendation

Prepared for: Mr. Jim Davidson
May 3, 2006
Version: 1

Submitted by:
Rory Cook
Halliburton Energy Services
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Proposal FR 3P-36-14-19v1 v.1

Cementing Best Practices

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

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Job Information

Cement Surface Casing

Flat Rock_v1 #3P-36-14-19

17-1/2" Open Hole
0 - 500 ft (MD)
0 - 500 ft (TVD)
Inner Diameter 17.500 in
Job Excess 100 %

13-3/8" Surface Casing
0 - 500 ft (MD)
0 - 500 ft (TVD)
Outer Diameter 13.375 in
Inner Diameter 12.715 in
Linear Weight 48 lbm/ft

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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)

$$\begin{aligned} 42.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 37.03 \text{ ft}^3 \\ &= 6.60 \text{ bbl} \end{aligned}$$

$$\begin{aligned} \text{Tail plus shoe joint} &= 731.67 \text{ ft}^3 \\ &= 130.32 \text{ bbl} \end{aligned}$$

$$\begin{aligned} \text{Total Tail} &= 405 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 500.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 440.89 \text{ ft}^3 \\ &= 78.53 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 78.53 \text{ bbl} - 6.60 \text{ bbl} \\ &= 71.93 \text{ bbl} \end{aligned}$$

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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

MidCon-2 Premium Plus
0.25 lbm/sk Kwik Seal (Lost Circulation Additive)
0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal
Slurry Yield: 1.81 ft³/sk
Total Mixing Fluid: 9.34 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 500 ft
Volume: 130.32 bbl
Calculated Sacks: 405.36 sks
Proposed Sacks: 410 sks

Fluid 3: Water Spacer
Water Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 71.93 bbl

Fluid 4: Top Out Cement

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

Fluid Weight 15.60 lbm/gal
Slurry Yield: 1.20 ft³/sk
Total Mixing Fluid: 5.26 Gal/sk
Proposed Sacks: 100 sks

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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	Rockies LTCement	13.5	5.0	410 sks
3	Spacer	Water Displacement	8.3	5.0	71.93 bbl
4	Cement	Top Out Cement	15.6	1.5	100 sks

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Job Information

Cement Intermediate Casing

Flat Rock_v1	#3P-36-14-19
13-3/8" Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
12-1/4" Open Hole	500 - 4200 ft (MD)
Inner Diameter	12.250 in
Job Excess	35 %
9-5/8" Intermediate Casing	0 - 4200 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

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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 : (2700.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 188.25 \text{ ft}^3 \\ 2200.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 35 \% &= 930.17 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1118.42 \text{ ft}^3 \\ &= 199.20 \text{ bbl} \\ \text{Sacks of Cement} &= 442 \text{ sks} \end{aligned}$$

Cement : (1000.00 ft fill)

$$\begin{aligned} 1000.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 35 \% &= 422.80 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 422.80 \text{ ft}^3 \\ &= 75.30 \text{ bbl} \\ \text{Sacks of Cement} &= 216 \text{ sks} \end{aligned}$$

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)

$$\begin{aligned} 42.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 17.88 \text{ ft}^3 \\ &= 3.18 \text{ bbl} \\ \text{Tail plus shoe joint} &= 229.28 \text{ ft}^3 \\ &= 40.84 \text{ bbl} \\ \text{Total Tail} &= 156 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 4200.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 1788.09 \text{ ft}^3 \\ &= 318.47 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 318.47 \text{ bbl} - 3.18 \text{ bbl} \\ &= 315.29 \text{ bbl} \end{aligned}$$

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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
Super Flush

50 lbm/bbl Halliburton Super Flush (Flush/spacer Additive)
42 lbm/bbl Fresh Water (Base Fluid)

Fluid Density: 9.20 lbm/gal
Fluid Volume: 20 bbl

Fluid 3: Water Spacer
Fresh Water Behind

Fluid Density: 8.34 lbm/gal
Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement

50/50 Poz Premium

0.1 % FDP-C766-05 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)
1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal
Slurry Yield: 1.47 ft³/sk
Total Mixing Fluid: 6.41 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 2700 ft
Volume: 199.20 bbl
Calculated Sacks: 442.16 sks
Proposed Sacks: 450 sks

Fluid 5: Foamed Lead Cement

50/50 Poz Premium

0.1 % FDP-C766-05 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)
1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal
Slurry Yield: 1.47 ft³/sk
Total Mixing Fluid: 6.41 Gal/sk
Top of Fluid: 2700 ft
Calculated Fill: 1000 ft
Volume: 75.30 bbl
Calculated Sacks: 216.28 sks
Proposed Sacks: 220 sks

Fluid 6: Tail Cement

50/50 Poz Premium

0.1 % FDP-C766-05 (Low Fluid Loss Control)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
20 % SSA-1 (Cement Material)
0.1 % Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal
Slurry Yield: 1.47 ft³/sk
Total Mixing Fluid: 6.41 Gal/sk
Top of Fluid: 3700 ft
Calculated Fill: 500 ft
Volume: 40.84 bbl
Calculated Sacks: 155.97 sks
Proposed Sacks: 160 sks

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Fluid 7: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 265.23 bbl

Fluid 8: Top Out Cement
Premium Cement

94 lbm/sk Premium Cement (Cement)
12 % Cal-Seal 60 (Accelerator)
3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal
Slurry Yield: 1.55 ft³/sk
Total Mixing Fluid: 7.35 Gal/sk
Proposed Sacks: 75 sks

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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	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	8.5 ppg Foamed Cement	14.3	5.0	450 sks
5	Cement	11 ppg Foamed Cement	14.3	5.0	220 sks
6	Cement	Unfoamed Tail	14.3	5.0	160 sks
7	Spacer	Displacement	8.3	7.0	265.23 bbl
8	Cement	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
Stage 1						
4	8.5 ppg Foamed Cement	115.77bb 1	8.5	8.5	23.3	352.9
5	11 ppg Foamed Cement	56.62bbl	11.0	11.0	152.1	223.0

Foam Design Specifications:

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

Calculated Gas = 32132.0 scf
 Additional Gas = 40000 scf
 Total Gas = 72132.0 scf

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Job Information**Cement Production Casing**

Flat Rock_v1	#3P-36-14-19
9-5/8" Intermediate Casing	0 - 4200 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
8-1/2" Open Hole	4200 - 12154 ft (MD)
Inner Diameter	8.500 in
Job Excess	35 %
5-1/2" Production Casing	0 - 12154 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

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Calculations

Cement Production Casing

Spacer:

$$\begin{aligned} 215.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 56.06 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 431.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 112.38 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 215.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 56.06 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (7954.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 130.37 \text{ ft}^3 \\ 7454.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 35 \% &= 2305.15 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 2435.53 \text{ ft}^3 \\ &= 433.78 \text{ bbl} \\ \text{Sacks of Cement} &= 1205 \text{ sks} \end{aligned}$$

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:

$$\begin{aligned} 12154.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 1586.42 \text{ ft}^3 \\ &= 282.55 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 282.55 \text{ bbl} - 0.98 \text{ bbl} \\ &= 281.58 \text{ bbl} \end{aligned}$$

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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
 Super Flush

Fluid Density: 9.20 lbm/gal
 Fluid Volume: 20 bbl

Fluid 3: Water Spacer
 Fresh Water Behind

Fluid Density: 8.34 lbm/gal
 Fluid Volume: 10 bbl

Fluid 4: Foamed Lead Cement
 50/50 Poz Premium

0.3 % FDP-C766-05 (Low Fluid Loss Control)
 5 lbm/sk Silicalite Compacted (Light Weight Additive)
 20 % SSA-1 (Cement Material)
 0.2 % Versaset (Thixotropic Additive)
 1.5 % Zonesealant 2000 (Foamer)

Fluid Weight 14.30 lbm/gal
 Slurry Yield: 1.48 ft³/sk
 Total Mixing Fluid: 6.44 Gal/sk
 Top of Fluid: 3700 ft
 Calculated Fill: 7954 ft
 Volume: 433.78 bbl
 Calculated Sacks: 1205.25 sks
 Proposed Sacks: 1210 sks

Fluid 5: Tail Cement
 50/50 Poz Premium

0.3 % FDP-C766-05 (Low Fluid Loss Control)
 5 lbm/sk Silicalite Compacted (Light Weight Additive)
 20 % SSA-1 (Cement Material)
 0.3 % Versaset (Thixotropic Additive)

Fluid Weight 14.30 lbm/gal
 Slurry Yield: 1.48 ft³/sk
 Total Mixing Fluid: 6.44 Gal/sk
 Top of Fluid: 11654 ft
 Calculated Fill: 500 ft
 Volume: 28.52 bbl
 Calculated Sacks: 108.55 sks
 Proposed Sacks: 110 sks

Fluid 6: Water Spacer
 Displacement

Fluid Density: 8.34 lbm/gal
 Fluid Volume: 281.60 bbl

Fluid 7: Top Out Cement
 Premium Cement

94 lbm/sk Premium Cement (Cement)
 12 % Cal-Seal 60 (Accelerator)
 3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal
 Slurry Yield: 1.55 ft³/sk
 Total Mixing Fluid: 7.35 Gal/sk
 Proposed Sacks: 75 sks

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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	Super Flush	9.2	5.0	20 bbl
3	Spacer	Fresh Water Behind	8.3	5.0	10 bbl
4	Cement	Foamed Lead	14.3	5.0	1210 sks
5	Cement	Unfoamed Tail	14.3	5.0	110 sks
6	Spacer	Displacement	8.3	7.0	281.60 bbl
7	Cement	12/3 Thixo	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
Stage 1						
4	Foamed Lead	316.63bb 1	11.0	11.0	200.6	656.6

Foam Design Specifications:

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

Calculated Gas = 139049.5 scf
 Additional Gas = 40000 scf
 Total Gas = 179049.5 scf

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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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-07351

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

7. UNIT or CA AGREEMENT NAME:
n/a

8. WELL NAME and NUMBER:
Asphalt Wash 10-23-23-33

9. API NUMBER:
4304737378

10. FIELD AND POOL, OR WILDCAT:
Undesignated

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 350-5719

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1990' FSL - 2135' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 33 10S 23E S

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>10/4/2006</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>Request for APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 11/15/2006
TO: 11/15/2007

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 10-16-06
By: [Signature]
COPY SENT TO OPERATOR
Date: 10-18-06
Initials: km

NAME (PLEASE PRINT) Evette Bissett

TITLE Regulatory Compliance Assistant

SIGNATURE [Signature]

DATE 10/4/2006

(This space for State use only)

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

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

API: 4304737378
Well Name: Asphalt Wash 10-23-23-33
Location: 1990' FSL - 2135' FWL, NESW, Sec 33, T10S-R23E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 11/15/2005

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

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

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

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

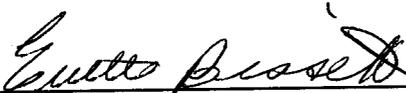
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

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

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

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


Signature

10/4/2006
Date

Title: Regulatory Compliance Assistant

Representing: Enduring Resources, LLC

OCT 10 2006

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.
ML-49279

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
FR 3P 36 14 19

9. API Well No.
43-047-37376

10. Field and Pool, or Exploratory Area
UNDESIGNATED

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: 542' FNL, 353' FWL, NWNW, SEC 36-T14S-R19E
BOTTOM: 660' FNL, 1980' FWL, NENW, SEC 36-T14S-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 checked="" 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 SPUD
	<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)

On 4/28/06 - Drilled 40' of 24" conductor hole. Set 40' of 20" conductor pipe. Cement w/ Ready Mix.

On 9/30/06 - Drilled 17-1/2" hole. Run 14 jts 13-3/8" 48# csg to 560'. Cmt w/ 500 sxs Class 'G' Cmt.

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

14. I hereby certify that the foregoing is true and correct.
Signed **Dahn F. Caldwell** *Dahn F. Caldwell* Office Administrator II Date **10/17/06**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

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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.

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

OPERATOR ACCT. No. N-2460

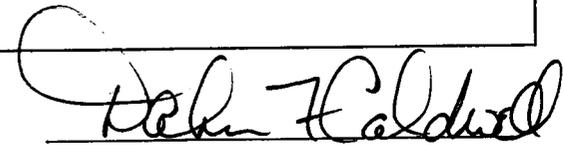
(435)781-4300

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	15736	43-047-37376	FR 3P 36 14 19	NWNW	36	14S	19E	Uintah	4/28/2006	10/26/06
WELL 1 COMMENTS: BOTTOM HOLE: NENW, SEC 36-T14S-R19E ENR											<p>CONFIDENTIAL</p> <p>RECEIVED OCT 20 2006</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">DIV. OF OIL, GAS & MINING</p>
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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)


Signature

Office Administrator II 10/17/06
Title Date

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

Phone No. (435)781-4342

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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
- a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. 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
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- b. 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
GB 6W-25-8-21	GB 6W-25-8-21	SENW	25	080S	210E	4304734121	13440	fee	GW	P
GB 7W-25-8-21	GB 7W-25-8-21	SWNE	25	080S	210E	4304734122	13436	fee	GW	P
GB 11W-30-8-22	OU GB 11W 30 8 22	NESW	30	080S	220E	4304734392	13433	fee	GW	P
UTAH STATE 1	STATE 1	NENE	36	070S	240E	4304715128	5878	State	GW	P
KAYE STATE 1-16	KAYE STATE 1-16	NWNW	16	100S	230E	4304730609	5395	State	GW	P
TOLL STATION ST 8-36-8-21	TOLL STATION ST 8-36-8-21	SENE	36	080S	210E	4304732724	12361	State	GW	S
GLEN BENCH ST 8A-36-8-21	GB 8A 36 8 21	SENE	36	080S	210E	4304733037	12377	State	GW	P
GLEN BENCH ST 6-36-8-21	GB 6 36 8 21	SENW	36	080S	210E	4304733038	12378	State	GW	P
GLEN BENCH ST 2-36-8-21	GB 2 36 8 21	NWNE	36	080S	210E	4304733252	12527	State	GW	P
GH 1W-32-8-21	GH 1W-32-8-21	NENE	32	080S	210E	4304733570	12797	State	GW	P
GH 3W-32-8-21	GH 3W-32-8-21	NENW	32	080S	210E	4304733571	12796	State	GW	P
GH 5W-32-8-21	GH 5W-32-8-21	SWNW	32	080S	210E	4304733572	12828	State	GW	P
GH 7W-32-8-21	GH 7W-32-8-21	SWNE	32	080S	210E	4304733573	12872	State	GW	P
GH 2W-32-8-21	GH 2W-32-8-21	NWNE	32	080S	210E	4304733744	13029	State	GW	P
GH 4W-32-8-21	GH 4W-32-8-21	NWNW	32	080S	210E	4304733745	13035	State	GW	P
GH 8W-32-8-21	GH 8W-32-8-21	SENE	32	080S	210E	4304733746	13030	State	GW	P
GB 3W-16-8-22	OU GB 3W 16 8 22	NENW	16	080S	220E	4304733751	13577	State	GW	P
GB 5W-16-8-22	OU GB 5W 16 8 22	SWNW	16	080S	220E	4304733752	13570	State	GW	P
GH 6W-32-8-21	GH 6W-32-8-21	SENW	32	080S	210E	4304733753	13036	State	GW	P
GB 11W-16-8-22	OU GB 11W 16 8 22	NESW	16	080S	220E	4304733754	13582	State	GW	P
GH 5G-32-8-21	GH 5G-32-8-21	SWNW	32	080S	210E	4304733866	13037	State	OW	P
GB 1W-36-8-21	GB 1W-36-8-21	NENE	36	080S	210E	4304733944	13439	State	GW	P
WV 7W-36-7-21	WV 7W-36-7-21	SWNE	36	070S	210E	4304734065	13334	State	GW	TA
WV 9W-36-7-21	WV 9W-36-7-21	NESE	36	070S	210E	4304734066	13331	State	GW	TA
WV 9W-16-7-21	WV 9W-16-7-21	NESE	16	070S	210E	4304734324		State	GW	LA
OU GB 4W-16-8-22	OU GB 4W-16-8-22	NWNW	16	080S	220E	4304734598	13579	State	GW	P
OU GB 10W-16-8-22	OU GB 10W-16-8-22	NWSE	16	080S	220E	4304734616		State	GW	LA
OU GB 12W-16-8-22	OU GB 12W-16-8-22	NWSW	16	080S	220E	4304734617	13697	State	GW	P
OU GB 13W-16-8-22	OU GB 13W-16-8-22	SWSW	16	080S	220E	4304734618	13611	State	GW	P
GB 14MU-16-8-22	GB 14MU-16-8-22	SESW	16	080S	220E	4304734619	14196	State	GW	P
OU GB 15W-16-8-22	OU GB 15W-16-8-22	SWSE	16	080S	220E	4304734622	13595	State	GW	P
OU GB 16W-16-8-22	OU GB 16W-16-8-22	SESE	16	080S	220E	4304734655	13815	State	GW	P
OU GB 2W-16-8-22	OU GB 2W-16-8-22	NWNE	16	080S	220E	4304734657	13721	State	GW	P
OU GB 6W-16-8-22	OU GB 6W-16-8-22	SENW	16	080S	220E	4304734658	13592	State	GW	P
OU GB 8W-16-8-22	OU GB 8W-16-8-22	SENE	16	080S	220E	4304734660	13769	State	GW	TA
OU GB 9W-16-8-22	OU GB 9W-16-8-22	NESE	16	080S	220E	4304734692		State	GW	LA
OU GB 15G-16-8-22	OU GB 15G-16-8-22	SWSE	16	080S	220E	4304734829	13777	State	OW	S
GB 7MU-36-8-21	GB 7MU-36-8-21	SWNE	36	080S	210E	4304734893	14591	State	GW	P
GB 3W-36-8-21	GB 3W-36-8-21	NENW	36	080S	210E	4304734894	13791	State	GW	P
NC 8M-32-8-22	NC 8M-32-8-22	SENE	32	080S	220E	4304734897		State	GW	LA
NC 3M-32-8-22	NC 3M-32-8-22	NENW	32	080S	220E	4304734899		State	GW	LA

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
GB 5W-36-8-21	GB 5W-36-8-21	SWNW	36	080S	210E	4304734925	13808	State	GW	P
GB 4MU-36-8-21	GB 4MU-36-8-21	NWNW	36	080S	210E	4304734926	14589	State	GW	P
NC 11M-32-8-22	NC 11M-32-8-22	NESW	32	080S	220E	4304735040		State	GW	LA
GB 5SG-36-8-21	GB 5SG-36-8-21	SWNW	36	080S	210E	4304735155	14015	State	GW	P
SC 13ML-16-10-23	SC 13ML-16-10-23	SWSW	16	100S	230E	4304735281	14036	State	GW	P
SC 3M-16-10-23	SC 3ML 16 10 23	NENW	16	100S	230E	4304735282	14014	State	GW	P
SC 11ML-16-10-23	SC 11ML-16-10-23	NESW	16	100S	230E	4304735311	14035	State	GW	P
BB E 15G-16-7-21	BBE 15G 16 7 21	SWSE	16	070S	210E	4304735408	14070	State	OW	P
WH 13G-2-7-24	WH 13G-2-7-24	SWSW	02	070S	240E	4304735484	14176	State	GW	TA
FR 9P-36-14-19	FR 9P-36-14-19	NWSW	31	140S	200E	4304735880	14310	State	GW	S
CB 13G-36-6-20	CB 13G-36-6-20	SWSW	36	060S	200E	4304735969		State	OW	LA
WH 2G-2-7-24	WH 2G-2-7-24	NWNE	02	070S	240E	4304736259		State	GW	APD
WH 4G-2-7-24	WH 4G-2-7-24	NWNW	02	070S	240E	4304736261		State	GW	APD
FR 1P-36-14-19	FR 1P-36-14-19	NWNW	31	140S	200E	4304736300	14859	State	GW	S
WK 3ML-2-9-24	WK 3ML-2-9-24	NENW	02	090S	240E	4304736723		State	GW	APD
WK 7ML-2-9-24	WK 7ML-2-9-24	SWNE	02	090S	240E	4304736724		State	GW	APD
SC 5ML-16-10-23	SC 5ML-16-10-23	SWNW	16	100S	230E	4304736877	15125	State	GW	P
SC 12ML-16-10-23	SC 12ML-16-10-23	NWSW	16	100S	230E	4304736878	15053	State	GW	P
SC 14ML-16-10-23	SC 14ML-16-10-23	SESW	16	100S	230E	4304736908	15070	State	GW	P
SC 4ML-16-10-23	SC 4ML-16-10-23	NWNW	16	100S	230E	4304736912	15208	State	GW	P
FR 3P-36-14-19	FR 3P-36-14-19	NWNW	36	140S	190E	4304737376	15736	State	GW	DRL
BBE 9W-16-7-21	BBE 9W-16-7-21	NESE	16	070S	210E	4304737745		State	GW	APD
GB 10ML-16-8-22	GB 10ML-16-8-22	NWSE	16	080S	220E	4304737943		State	GW	APD
GB 9ML-16-8-22	GB 9ML-16-8-22	NESE	16	080S	220E	4304737944	15851	State	GW	DRL
FR 11P-36-14-19	FR 11P-36-14-19	NWSW	36	140S	190E	4304738349		State	GW	DRL
GB 4SG-36-8-21	GB 4SG-36-8-21	NWNW	36	080S	210E	4304738764		State	GW	APD
GB 7SG-36-8-21	GB 7SG-36-8-21	SWNE	36	080S	210E	4304738765		State	GW	APD

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.

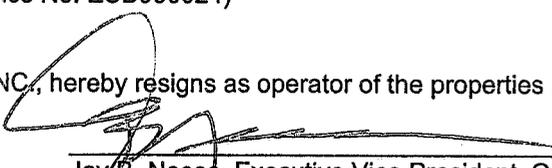
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street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

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

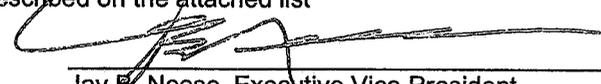
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/>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

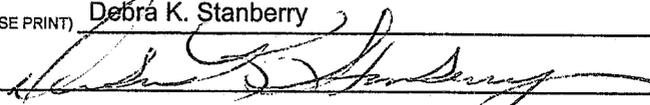
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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>

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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 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
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
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	<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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QEP
FR 3P-36-14-19
43-047-37376
36 14S 19E

12-21-06-1-02-07

12/26/06 MI Basin @ noon; will RU once facility/loc. Prep allow

12/27/06 Basin rig on loc.; bladed loc. Sat; setting facilities currently; will RU as soon as possible.

12/28/06 Basin rig on loc.; bladed loc. Sat; setting facilities currently; will RU Fri a.m. and PU tbg. To TIH for bit and scraper run.

12/29/06 Basin rig RU; facilities done except for minor things; truck for P/L operation slid off road which delayed tbg. Getting to loc.; it's ther now will TIH for 7" bit and scraper run Sat.

1/2/07 Basin rig; facilities done except for minor things; TIH for 7" bit and scraper run.

MONTHLY COMPLETION OPERATIONS REPORT – 1/3/07 – 1/31/07UINTA BASINCONFIDENTIAL – TIGHT HOLE

QEP

Uinta Basin Completion Update for 1/3/07 – 1/31/07

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FR 3P 36 14 19: (Basin) T145 R19E S36, 43-047-37376

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1/3/07 – Basin rig; finish TIH for 7" bit and scraper run Tues.; tagged top of liner hanger @ 9846'; TOO; TIH w/ 3 3/4" bit & 4.5" scraper; hit bridge 500' into liner; circ. up right now (about 5' bridge).

1/4/07 - Finish TIH for 7" bit and scraper run Tues.; tagged top of liner hanger @ 9846'; TOO; TIH w/ 3 3/4" bit & 4.5" scraper; reached PBSD w/ no problems; TOO currently; CBL, p-test and perf. Entrada on Friday.

1/5/07 - Currently CBL, p-test and perf. Entrada on Friday; will update tonight.

1/8/07 - Entrada flowed naturally @ 2000 psi FTP on an 18/64" Sat.; SITP = 3150 psi this a.m.; pkr. is still set; landed tbg. in BOP's; WOQGM for sales; planning for sales @ noon on Tues

1/9/07 - Preparing to go to sales late today (Entrada only natural completion). Won't RD Basin rig until good steady flow is established. Gas test scheduled for Thursday. Water well, waiting on 3.5" tubing out of Ft. Morgan.

1/10/07 - (Entrada natural to sales); FTP = 1850 psi w/ gas rate of 2.65 mmcf/d; 16/64"; 1 bbl/hr (all water).

1/11/07 - appears we have an ice plug in wellhead or hydrates; heating WH and pumping meth. currently.

1/12/07 - after getting well back to sales; decision was made to SI well and pump meth. over weekend; other FR/WF wells will make up current volume we can produce; will start adding perfs in Entrada next week.

1/15/07 - after getting well back to sales last week and having freezing problems, decision was made to SI well and pump meth. over weekend; other FR/WF wells will make up current volume we are allowed to produce; will add perfs in Entrada this week; thaw out rig and WH today; postponed rel. pkr. until Tues.; perf'ing set up for Weds.

1/16/07 - (Entrada natural to sales); rel. pkr. and TOO; WO on confirmation they got all the way out; perf'ing set up for Weds.

1/17/07 - Rel. pkr. and TOO Tues.; added perf's throughout entire Entrada interval today; will RIH w/ pkr. Thurs. to prep. for breakdown.

1/18/07 - (Entrada natural completion); added perf's throughout entire Entrada interval today; RIH w/ pkr. and set; after 7 swab runs, well kicked off flowing; was stable tonight @ 800 psi on a 36/64" and dried up; rec. 38 bbls.; calc. rate approx. 5 mmcfpd; might have 2 mmcfpd additional takeaway capacity on Fri. to take this well to sales.

1/19/07 - Well kicked off flowing; was stable Fri. @ 800 psi on a 36/64" and dry; calc. rate approx. 5 mmcfpd; did not get 2 mmcfpd additional takeaway capacity on Fri. from QGM/Dominion; decided to SI well and save gas until we can sell; we will open up Sun. night to pit @ same rate so we can run PL and then it's WOQGM.

1/22/07 - (Entrada natural completion); added perf's throughout entire Entrada interval last week; RIH w/ pkr. and set; kicked well off to pit Sun. for PL today; was flowing stable @ 550 psi FTP on a 36/64" w/ a light mist; PL run today; Also - did not get 2 mmcfpd additional takeaway capacity last Fri. from QGM/Dominion; decided to SI well over weekend and save gas until we can sell.

1/23/07 - added perf's throughout entire Entrada interval last week; RIH w/ pkr. and set; kicked well off to pit Sun.; was flowing stable @ 550 psi FTP on a 36/64" w/ a light mist; PL run Mon. then SI well; SITP this a.m. was 2,900 psi; breakdown perfs w/ 2% KCl and ball sealers on Weds

1/24/07 - Basin rig (Entrada natural completion); added perf's throughout entire Entrada interval last week; RIH w/ pkr. and set; kicked well off to pit Sun.; was flowing stable @ 550 psi FTP on a 36/64" w/ a light mist; PL run Mon. then SI well; SITP this a.m. was 2,975 psi; breakdown perms w/ 2% KCl and ball sealers on Weds.; good initial ball action; 170 bbls. used (130 bbls. in formation); flowed 25 bbls. back initially; RU to swab; FFL @ 2000' after 6 runs; kicked off; rec. 41 bbls. additional from swabbing; started flowing @ 5 p.m. @ FTP of 300 psi on a 1" choke w/ mostly water at that point; flow ON to pit to clean up load.

1/25/07 -SI to RD Basin rig, ready to go to sales tomorrow. Last FTP 750 psi on 36/64" choke, 95% dry gas.

1/26/07 - Basin rig (Entrada natural completion); SI to RD Basin rig, ready to go to sales tomorrow. Last FTP 750 psi on 36/64" choke, 95% dry gas.

1/29/07 - Basin rig (Entrada natural completion); to sales; FTP = 1,500 psi; 3,700 mcf; 20/64"; 8 BO; 5 BW; had to SI well @ 5 p.m. tonight; QGM removed slug catcher to move to Mesa tap and Dominion would not accept gas; back to sales Weds. through Mesa tap.

1/30/07 – Gas shut in at Dominion's line due to moving of QGM slug catcher. Will return to sales when Mesa Tap to QPC Mainline 40 is operational, probably Thursday or Friday.

1/31/07 - Packing QGM's line today; due downstream issue w/ QPC, they would not open their valve; we will have 8 to 9 mmcfpd out of FR/WF wells ready to go to sales @ 8 a.m. Thurs. when QPC will accept gas.

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Questar E & P					Page 1 of 17
Operations Summary Report					
Well Name: FR 3P-36-14-19			Spud Date: 5/4/2006		
Location: 36- 14-S 19-E 26			Rig Release: 11/29/2006		
Rig Name: UNIT			Rig Number: 236		
<i>43-049-37376</i>					
Date	From - To	Hours	Code	Sub Code	Description of Operations
1/2/2007	06:00 - 16:00	10.00	BOP	1	On 12/29/06 - MIRU Basin Well Service #1 to start completion of well. Spot equipment & ND WH & NU BOP's. SIFN. On 12/30/06 - tally and rabbit in the hole with a 6" drag bit & 7" csg scraper and new 2-3/8" EUE 8rd 4.7# P-110 tbg to 3245'. Displacing drilling mud & having trouble with tongs & slips freezing up. Pull bit to 2885' & SIFWE. 24 Hour Forecast: On 1/2/07 will circ out @ 3245' & continue to RIH w/ bit & tbg. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')
1/3/2007	06:00 - 16:00	10.00	TRP	2	On 1/2/07 continue to RIH w/ 6" bit & 7" csg scraper & tally & rabbit new tbg. Circ mud out of hole at the following depths: 3250'; 6530'; & continue in the hole & tag liner top @ 9883' tbg, tally & circ hole clean w/ 2% KCL water. Pull bit to 9580' & SIFN. 24 Hour Forecast: Will POOH w/ the above bit & scraper & start in the hole w/ bit & scraper & tbg to clean out the 4-1/2" liner. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')
1/4/2007	06:00 - 16:00	10.00	TRP	2	NOTE: CORRECTION TO 1/3/07 REPORT. Tbg TALLY CORRECTION TO LINER TOP IS 9850'. On 1/3/07 SICP & SITP = 0#. POOH w/ 6" mill & scraper & tbg. RIH w/ 3-3/4" bit & 4-1/2" csg scraper & tbg. Tag liner top @ 9850' & work liner thru liner top several times. No problems. Continue in the hole and tag @ 10373'. RU swivel & clean out 5' and fell thru and circ hole clean with 2% KCL water @ 10400'. Pull bit to 9840' & SIFN. 24 Hour Forecast: Will continue to clean out the liner to PBTD. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')
1/5/2007	06:00 - 16:00	10.00	TRP	2	On 1/4/07, SITP & SICP = 0#. Continue to RIH w/ 3-3/4" bit & 4-1/2" csg scraper & tbg to 11175'. Circ hole clean w/ 2% KCL water. Continue in the hole and tag @ 11908'. Pull bit to 11905' & circ out mud with 2% KCL water. POOH with bit & scraper & tbg. SIFN. 24 Hour Forecast: Will run bond long and pressure test and perforate initial zone. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')
1/8/2007	06:00 - 16:00	10.00	LOG	4	On 1/5/07 SICP=0. MIRU Cutters WL and ran a CBL/VDL/GR log from tag at 11902' to 5000' with top of cement est. above 5000'. MIRU Halliburton pump truck and tested the csg. and BOP's and all surface valves and flow back manifold to 8500# and held OK. Correlated the CBL log to the Schlumberger OH Lithodensity/Comp. Neutron Array Induction log dated 11/25/06 run #1. Perforated the following Entrada Zones at 2 JPF and 120° phasing using a 3-1/8" csg. gun and "Power-Pak" charges per the CBL log dated 1/5/07" 11409-13'; 11437-39'; 11469-71'; 11493-95'; 11537-39'; 11563-65' and 11650'-52' (32 holes). RDMO Cutters WL. Breakdown the perms. with Halliburton with a break at 3220# and pump 10 bbl. of 2% KCL water at an average of 4.7 BPM at 2070# with an ISIP=1980# and after 2-1/2 minutes SICP=1225#. Had a big break at 2500# while pumping the 10

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Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/8/2007	06:00 - 16:00	10.00	LOG	4	<p>bbls..RDMO Halliburton and SIFN.</p> <p>On 1/6/07 SICP=vacuum. RIH with 4-1/2" HD ret.packer. 1 jt.of tbg.; 1.81" "F" nipple and 346 jts.of tbg.to surface. Set packer with 30M# compression at 11329' with "F" nipple at 11293'. RU swab. IFL at 200'. Make 7 runs and recovered 32 bbl.of high gas cut water with FFL at 1800' and SICP=0# and tbg.started to flow. Flow the well on a 18/64" choke and recovered an est.30 bbl.of wter while flowing for 1-1/2 hours and recovered 32 bbl.of wtar while swabbing for a total recovery of 62 bbl.---2 bbl.over load. The final FTP=2000# on a 18/64" choke and flowing dry gas for 1/2 hour and cannot keep the choke from freezing up and welders in the area welding together the pipeline. SI the well at 3:00PM on 1/6/07. Will remain SI on 1/7/07. On 1/8/07 will obtain surface pressure and wait on orders.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p>
1/9/2007	06:00 - 16:00	10.00	DEQ	2	<p>LLTR: 2 over On AM of 1/8/07 SICP=0# with packer set and SITP=3150# after a 41 hour SI period. Left well SI pending putting the well to gas sales.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p>
1/10/2007	06:00 - 16:00	10.00	DEQ	2	<p>LLTR: 2 over Entrada perfs.Zone #1: 11409-11652' On 1/9/07 SITP=3150# and SICP=0# with packer set at 11329'. Tbg.is landed in the BOP's and set in hand slips. Hook up well to flow to gas sales. Started selling gas PM of 1/9/07 via gas sales. At 7:30AM on 1/10/07 FTP=2100# on a 14/64" choke and selling at the rate of 2.35MMCFD from the Entrada perfs.zone #1. Report discontinued until further activity.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p> <p>LLTR: 2 over</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/17/2007	06:00 - 16:00	10.00	DEQ	2	<p>Entrada perms.Zone #1: 11409-11652' Resumption of report of completion. On 1/16/07, SITP = 3000# & SICP = 0# w/ pkr in the hole. Bled off tbg to 300# & pump 45 bbls of 2% KCL water down the tbg to kill. Release pkr @ 11329'. POOH w/ pkr & tbg. SIFN. On AM of 1/17/07 SICP = vacuum.</p> <p>24 Hour Forecast: Will perforate additional zones today.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p>
1/18/2007	06:00 - 16:00	10.00	DEQ	2	<p>LLTR: 2 over On 1/17/07, SICP = vacuum. MIRU Cutters WL & perforate the following Entrada intervals @ 3 JPF using a 3-1/8" csg gun & 120" phasing per the CBL log dated 1/5/07: 11654' - 11658'; 11645' - 11647'; 11638' - 11642'; 11566' - 11568'; 11560' - 11564'; 11548' - 11552'; 11536' - 11538'; 11524' - 11532'; 11516' - 11524'; 11496' - 11502'; 11492' - 11494'; 11472' - 11482'; 11468' - 11470'; 11440' - 11444'; 11432' - 11438'; 11428' - 11432'; 11416' - 11422'; & 11408' - 11412' (240 additional holes). RDMO Cutters WL & SIFN.</p> <p>24 Hour Forecast: Will RIH w/ pkr & tbg & swab well.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32'</p>
1/19/2007	06:00 - 16:00	10.00	PTST	3	<p>On 1/18/07, SICP = slight vacuum. RIH w/ a 4-1/2" ret. pkr, 1 jt of tbg, 1.81" F-Nipple & tbg to 11329' & set the pkr in 30,000# of compression. RU swab. IFL @ 700'. Make 7 swab runs & recovered 39 bbls of water and tbg started to flow. Flow tbg thru choke manifold on various chokes to keep from freezing and tbg stabilized on a 36/64" choke @ 4:30 PM on 1/18/07. Flowed well overnight on the 36/64" choke & at 7:30 AM on 1/19/07 FTP = 800# with dry gas and no freezing problems</p>

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Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/19/2007	06:00 - 16:00	10.00	PTST	3	<p>to the pit. Less than 1 bbl of fluid recovered in the last 15 hours & well has remained the same since 4:30 PM on 1/18/07.</p> <p>24 Hour Forecast: Continue to flow the well to the pit while waiting on orders.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32'</p>
1/22/2007	06:00 - 16:00	10.00	PTST	2	<p>@ 7:30 AM on 1/19/07, FTP = 800# on a 36/64" choke with dry gas and flowing to the pit and SICP = 0# w/ pkr in the hole. Continue to flow the tbq to the pit until noon on 1/19/07, with a noon reading of 675# on a 36/64" choke and a very light mist of fluid and SICP = 0#. SI @ noon on 1/19/07.</p> <p>On 1/20/07 well remains SI.</p> <p>On 1/21/07, open the tbq to the pit with a SITP = 2250# and SICP = 0#. Opn the tbq to the pit on a 24/64" choke and choke freezing off on continual choke size increases until a 38/64" choke was installed at 3:30 PM on 1/21/07. Continue to flow the tbq to the pit on a 36/64" choke over night and at 7:00 AM on 1/22/07 FTP = 550# on a 36/64" choke with no freezing and a very light mist of fluid and a SICP = 0# and well has stabilized at this pressure since 1:00 AM on 1/22/07. Continue to flow the well to the pit and will run a production log today across the Entrada intervals 11408' - 11656'.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52';</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/22/2007	06:00 - 16:00	10.00	PTST	2	11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Pkr @ 11329'
1/23/2007	06:00 - 16:00	10.00	PERF	2	A 7:00 AM on 1/22/07 FTP = 550# on a 36/64" choke with SICP = 0# with packer in the hole and a very light mist while flowing to the pit. MIRU PLS WL and ran a production log across Entrada gross perforated interval 11408' - 11656'. Log indicated in preliminary results that 90% of gas flow is from perfs 11408' - 11422' with water in the csg from 11550' - 11656' and no gas movement. RDMO PLS. SIFN. 24 Hour Forecast: Will remain SI pending an acid job on 1/24/07. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Pkr @ 11329'
1/24/2007	06:00 - 16:00	10.00	PERF	2	The below information is from gross perforated Entrada perfs 11408' - 11656' On AM of 1/23/07 SITP = 2900# & SICP = 0# w/ pkr set @ 11329'. Left well SI. 24 Hour Forecast: Will do a breakdown with ball sealers & 2% KCL water on the Entrada perfs. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94';

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/24/2007	06:00 - 16:00	10.00	PERF	2	11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Pkr @ 11329'
1/25/2007	06:00 - 16:00	10.00	STIM	1	The below information is from gross perforated Entrada perms 11408' - 11656' On AM of 1/24/07, SITP = 2975# & SICP = 0#. MIRU Halliburton pump truck and break down gross perforated Entrada perms 11408' - 11656' down tbg using 2% KCL water with surfactant and friction reducer and 340 - 7/8" Bio-Balls as follows: Load tbg with 39 bbls of water and get break @ 3624#. Drop 340 - 7/8" Bio-balls in 90 bbls of the above water and flush with 40 bbls of 2% KCL water. Total load to recover of 170 bbls and total load in formation of 130 bbls. Max rate = 6.5 BPM; avg rate = 6.3 BPM, max psi = 3860# & avg psi = 3000#. ISIP = 1500#, after 5 minutes = 850#. RDMO Halliburton. Bled off well to pit on a full 2" line and flowed back 25 bbls of water and died. RU swab. IFL @ surface. Make 6 swab runs and recovered 41 bbls of additional water with some gas with FFL @ 2000' & tbg started to flow. RU to flow manifold. Flow the well on various chokes initially and @ 6:00 AM on 1/24/07 FTP = 750# on a 36/64" choke with SICP = 0# with a very light mist to dry gas and a total est recovery since the breakdown of 142 bbls. The well has flowed on the 36/64" choke since 6:00 PM on 1/24/07 and have no appreciable water since 6:00 PM. FTP's have fluctuated between 700-850# the last 10 hours. 24 Hour Forecast: Continue to flow the tbg to the pit. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perms and re-perforate 11560-64'; 11568-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Pkr @ 11329'
1/26/2007	06:00 - 16:00	10.00	DEQ	2	The below information is from gross perforated Entrada perms 11408' - 11656' On 1/25/07 FTP at 11:00AM it 750# on a 36/64" choke with SICP=0# with packer set at 11329' and dry gas to the pit. SI the well at 11:00MA on 1/25/07. Rig out equipment and lines. On 1/26/07 will RDMO Basin Well Service and turn well over to production department. Report discontinued until further activity. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') LLTR: 28 Perfs Zone #1: Entrada: (1/5/07):

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 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
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Date	From - To	Hours	Code	Sub Code	Description of Operations
1/26/2007	06:00 - 16:00	10.00	DEQ	2	11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Pkr @ 11329'
3/1/2007	06:00 - 16:00	10.00	LOC	4	The below information is from gross perforated Entrada perfs 11408' - 11656'. Resumption of report discontinued on 1/26/07. On 2/28/07 MIRU Basin Well Service to continue completion of the well. SICP = 0# & SITP = 1800#. Pump 10 bbls of 2% KCL water down the tbq. Release packer @ 11329' and RU swab. IFL @ 2000'. Make 23 swab runs and recovered 96 bbls of water with slight gas cut w/ FFL @ 5600' & recovered 5 BPH due to gas cut water. No afterflow yet. RD swab. SIFN. Have an est 212 bbls to recover. 24 Hour Forecast: Will continue to swab well in. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') LLTR: 28 Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32'
3/2/2007	06:00 - 16:00	10.00	SWAB	1	The below Information is from gross perforated Entrada perfs. 11408-11656' On 3/1/07 SITP=450# and SICP=200# with packer released. Bled off tbq.with no fluid recovery. RU swab. IFL at 2500' (3100' of entry overnight). Make 5 swab runs and recovered 8 bbl.of med.gas cut water with FFL at 1300' and tbq.started to flow on a full 2" line. Continue to flow the tbq.to the pit from 9:30AM on 3/1/07 on a full 2" line with hourly water rates varying between 30 bbl.per hour to dry gas with no fluid with FTP from 75# to 150# and SICP from 200# to 600#. At 6:00AM on 3/2/07 FTP=150# on a full 2" line with SICP=600# and no fluid with 100% dry gas. At 7:00AM on 3/2/07 put the tbq.on a 36/64" choke and will test this AM and attempt to

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Well Name: FR 3P-36-14-19
Location: 36- 14-S 19-E 26
Rig Name: UNIT

Spud Date: 5/4/2006
Rig Release: 11/29/2006
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Date	From - To	Hours	Code	Sub Code	Description of Operations
3/2/2007	06:00 - 16:00	10.00	SWAB	1	<p>POOH with tbg.and packer today. Recovered a total of 172 bbl.of water today with the well flowing dry gas since 10:00PM. (NOTE: LLR assumed a 900' fluid level from surface in the csg.prior to releasing the packer).</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Load from yesterday: 212 Minus daily recovery: 172 LLTR: 40</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Packer set at 11329'. The below information is from gross perforated Entrada perfs. 11408-11656'</p>
3/5/2007	06:00 - 16:00	10.00	SWAB	1	<p>On AM of 3/2/07 FTP = 450# on a 36/64" choke w/ SICP = 650# & tbg flowing dry gas to the pit. POOH w/ packer & tbg & performed 15-30 bbls top kills down the tbg while pulling packer & tbg. Recovered all water back. Turn well over to production department and the well sold gas until mid PM on 3/4/07 due to hot oiler on location heating frac tanks & the production tanks are too close to the hot oiler & SIFN the well on 3/4/07.</p> <p>24 Hour Forecast: Will lubricate in a frac plug over the existing Entrada perfs & perforate additional zones.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94';</p>

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Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
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 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/5/2007	06:00 - 16:00	10.00	SWAB	1	11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Packer set at 11329'.
3/6/2007	06:00 - 16:00	10.00	PERF	2	The below information is from gross perforated Entrada perms. 11408-11656' On 3/5/07 SICP = 1350#. MIIRU Cutters WL. Set a comp frac plug @ 11100'. Tag plug after setting the plug. OK. Perforate the following Buckhorn zones using a 3-1/8" csg gun at 3 JPF and 120" phasing per the CBL log dated 1/5/07 & PowerPak charges 10698' - 10702' (12 holes) & 10708' - 10720' (36 holes). IFL @ 7600' & FFL @ 7400' (est). Had Stinger WH Services already rigged up with frac head assembly. SIFN. Have CO2 & Halliburton frac company rigging up to prep for frac on 3/6/07. 24 Hour Forecast: Frac. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perms and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702'
3/10/2007	06:00 - 16:00	10.00	PERF	2	On 3/6/07 frac Buckhorn perforated interval 10698' - 10720' down csg using Halliburton, Stinger Wellhead Services and CO2 as follows: Pump a total of 5000# of 100 mesh sand and 75M# of PRC 20/40 mesh sand in a total liquid volume of 443 bbls and 150 ton of CO2. Used a Purgel 40# 2% KCL x-linked fluid with a 70% quality CO2 system. Staged 1 ppg to 4 ppg sand concentration. Went to flush on schedule and screened out with an est 5200# of sand in the csg. Max rate = 44.8 BPM; avg rate = 33.8 BPM; max psi = 8863#; avg psi = 4542#. RU and flowback to the pit and lowered psi to 3800#. RU cutters WL and RIH w/ perforated gun & tag @ 9540'. POOH & lay down gun. Continue to flow back the well for 4-1/2 hours with no sand recovery and CO2 and water. SI at 9:00 PM on 3/6/07. Recovered an est 22 bbls of fluid today with a final FCP = 700# on a 36/64" and 16/64" chokes. On AM of 3/7/07 SICP = 750#. Bled down well to 100# and RIH w/ Cutters WL & tag @ 9470'. Fill hole with 2% KCL water and try to pump into well at max of 3000# and no bleed off. Re-tag with Cutters at 9470'. Bled off well & RDMO Cutters WL and Stinger and Halliburton. RIH w/ pump off bit sub assembly with 6" drag bit & tbg to 2988'. SIFN. On 3/8/07 SICP = 200# & SITP = 0# w/ float in string. Bled off csg. Continue to RIH w/ above assembly & tag @ 9496' (tbg tally). Circ out hole every 3000' prior to tagging with foam unit. Clean out sand with foam unit from 9496' to 9595' and fell

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Date	From - To	Hours	Code	Sub Code	Description of Operations
3/10/2007	06:00 - 16:00	10.00	PERF	2	<p>out of sand. Circ clean. Continue in the hole with bit & tbg to liner top at 9863' -- no additional tag. Had an increase in flow with high concentration of CO2. Pull tbg to 9840'. Flow well to the pit on a 22/64" and 20/64" choke recovering frac sand and CO2. Flowed for 3 hours and recovered an est 23 bbls of water with no fluid recovery after 1st 3 hours. SIFN.</p> <p>On 3/9/07 SICP = 2150# and SITP = 0#. Open csg to the pit and bled down to 1300#. Pump 50 bbls of 2% KCL waterdown the tbg to decrease csg psi to 850#. Pull bit to 7345' and pump an additional 100 bbls of sand down the tbg. Pull bit to 6073' and pump 200 bbls of sand down the tbg. Pull bit to 3000' with CP at 1500# and continuing to unload all fluid pumped. SIFN.</p> <p>24 Hour Forecast:</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs</p> <p>Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p> <p>Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32'</p> <p>Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702'</p>
3/12/2007	06:00 - 16:00	10.00	PERF	2	<p>On AM of 3/10/07 SICP = 1800# and SITP = 0# with float in the string. Bled off csg & pump 30 bbls of 10# brine down the csg. POOH w/ tbg & bit assembly. RU Cutters WL & RIH w/ 3-1/8" csg gun and perforate per the CBL log dated 1/5/07 the Dakota/Cedar Mtn zones at 3 JPF at 120" phasing as follows: 10496' - 10504' (24 holes) and 10526' - 10534' (24 holes). RIH w/ gun and tag fill @ 10590'. POOH w/ gun and RD Cutters WL and SIFW.</p> <p>On 3/11/07 rigging up Stinger WH Services & Halliburton frac crew.</p> <p>NOTE: Did not set a comp. frac plug above the Buckhorn formation due to sand fill above it. (108' sand plug).</p> <p>24 Hour Forecast: Will frac the Dakota/Cedar mtn. intervals and continue with the additional zone.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs</p> <p>Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52'</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
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 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/12/2007	06:00 - 16:00	10.00	PERF	2	<p>Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32'</p> <p>Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702'</p> <p>Zone #3: Dakota/Cedar Mtn. 10526' - 10534' 10496' - 10504'</p>
3/13/2007	06:00 - 16:00	10.00	PERF	2	<p>On AM of 3/12/07 SICP=700#. Frac Dakota/Cedar Mtn.gross perforated Interval 10496-10534' down csg.with Stinger Wellhead Isolation frac head assembly. Praxair CO2 and Halliburton using a 60-65% CO2 system and Purgell 40# 2% KCL x-linked gel water system by staging 1/2 ppg to 3-1/2 ppg 20/40 mesh PRC sand in a total of 125 tons on CO2 and a total load of 554 bbl..Total of 5000# of 100 mesh sand and a total of 81M# of 20/40 mesh sand. Max.rate=41.9; Ave=36.4 BPM; Max.psi=5186#; Ave=3935#; ISIP=4449# (.86). Flushed successfully. Lubricate in a 4-1/2" comp.frac plug with Cutters WL and set at 10360'. Perforate Dakota Silt interval 10326-36' (30 holes) at 3 JPF and 120" phasing per the CBL log dated 1/5/07 using 3-1/8" csg.gun and "Power-Pak" charges. Attempt to frac Dakota Silt interval 10326-36' down csg.and could not break down the perfs at a max.psi of 8600#. Attempted several times with no break. Bled csg.down to 3000# and RDMO Cutters WL; Praxair, Stinger and Halliburton. Open the csg.to the pit at 5:30PM with SICP=2150#. Flow the csg.for 2 1/2 hours and recovered an estimated 50 bbl.of CO2 cut water with a final FCP=850# on a 22/64" choke. SIFN. On 3/13/07 will continue to flow the well to clean up.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Load from yesterday: 133 Minus daily recovery: 50 Plus water today: 644 LLTR: 627</p> <p>Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12';</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/13/2007	06:00 - 16:00	10.00	PERF	2	11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down
3/14/2007	06:00 - 16:00	10.00	PTST	2	On AM of 3/13/07 SICP=700#. Open the csg on various chokes during the day to the pit and at 9:00PM on 3/13/07 FCP=1100# on a 36/64" choke and well is surging straight CO2 with slugs of water. Will continue to flow to the pit. Have recovered an est 400 bbl.of water today. On 3/14/07 will wireline set a comp BP and blow down csg.and start in hole with mill and tbg.to clean out well. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Load from yestarday: 627 Minus daily recovery: 400 LLTR: 227 Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down
3/16/2007	06:00 - 16:00	10.00	PTST	2	At 5:00 AM on 3/14/07 FCP-1200# on a 32/64" choke with an est.fluid of 20 bbl.per hour of CO2 cut water. Sl the well at 5:00AM on 3/14/07. RU Cutters WL and lubricate in a 4-1/2" composite BP and set at 10183. Note: Lost weight at 10200'. RDMO Cutters WL. Bled off well. Fill csg.with 300 bbl of 2% KCL water and pressure test. BOP's and flow back manifold. RIH with 3-3/4" mill and pump off bit sub assembly and 2-3/8" tbg..to 10164'. SIFN. On 3/15/07 will drill out kill plug and wait on foam unit. On 3/15/07 SITP and SICP=0# with kill plug at 10183'. Continue in the hole with a

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/16/2007	06:00 - 16:00	10.00	PTST	2	<p>3-3/4" mill and tbg..Drill out composite BP at 10183'. Continue in the hole to 10328' and SIFN. On 3/16/07 will rig up foam unit and start to clean out well.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Load from yesterday: 152 Minus daily recovery: 120 LLTR: 32</p> <p>Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36'</p>
3/19/2007	06:00 - 16:00	10.00	PTST	2	<p>not frac'd - no break down</p> <p>On 3/17/07 SICP = 2300# & SITP = 1100# (trapped foam psi). Bled off tbg and bled csg down to 900#. Land tbg in hanger with tbg at 11202'. ND BOP's & NU WH. Drop ball to shear off bit sub assembly and would not shear @ 4500#. Attempted several times with no success. MIRU Cutters WL & chemical cut the tbg above the bit sub assembly @ 11015'. Tbg went on a strong vacuum. RDMO Cutters WL. RU swab. IFL @ 2100'. Make 9 swab runs and recovered 43 bbls of water with FFL at 400' and tbg started to flow at 5:30 PM on 3/17/07 with a SICP = 1600#.</p> <p>Turn well over to flow testers on a 24/64" choke. At 7:00 AM on 3/18/07 FTP = 1600# on a 24/64" choke with a SICP = 2200# and a light mist and some methane. At 3:00 PM on 3/18/07 FTP = 1600# on a 24/64" choke with a SICP = 2300# and a light mist. At 6:00 AM on 3/19/07 FTP = 1600# on a 28/64" choke with a SICP = 2600# and a light mist. Changed to a 26/64" at 2:00 PM on 3/19/07 due to freezing problems. Ran a gas analysis on AM of 3/18/07 with the following results: CO2 = 6.25%; N2= 0.52%; Methane = 91.27%; BTU = 967.9; Grav = 0.6318.</p> <p>24 Hour Forecast: Will continue to flow test to clean up well.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/19/2007	06:00 - 16:00	10.00	PTST	2	Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down
3/20/2007	06:00 - 16:00	10.00	PTST	2	On 3/19/07, continue to flow test the well to the pit for the last 24 hours to clean up well. At 6:00 AM on 3/20/07 FTP = 1550# and SICP = 2500# on a 26/64" choke and dry gas with some CO2. Gas analysis ran on 3/19/07 is as follows: N2 = 0.518; CO2 = 4.2774; Methane = 93.14; BTU = 989.5; Grav = 0.6135. 24 Hour Forecast: Will continue to flow test to clean up well. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36-14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/21/2007	06:00 - 16:00	10.00	PTST	2	<p>Continue to flow test the well to the pit for the last 24 hours to clean up well. At 6:00 AM on 3/20/07 FTP = 1550# and SICP = 2500# on a 26/64" choke and dry gas with some CO2. Gas analysis ran on 3/19/07 is as follows: N2 = 0.518; CO2 = 4.2774; Methane = 93.14; BTU = 989.5; Grav = 0.6135.</p> <p>At 6:00 AM on 3/21/07 FTP = 1550# on a 28/64" choke (changed at 1:00 PM on 3/20/07) and SICP = 2400#. Dry gas. Gas analysis ran on 3/20/07 is as follows: N2 = 0.555; CO2 = 3.243; Methane = 93.98; BTU = 1003.92; Grav = 0.6065.</p> <p>24 Hour Forecast: Continue to flow the well to the pit to obtain pipeline quality gas.</p> <p>Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848')</p> <p>Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65' 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Cada Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down</p>
3/22/2007	06:00 - 16:00	10.00	OTH		<p>Continue to flow test the well to the pit for the last 24 hours to clean up well. At 6:00 AM on 3/20/07 FTP = 1550# and SICP = 2500# on a 26/64" choke and dry gas with some CO2. Gas analysis ran on 3/19/07 is as follows: N2 = 0.518; CO2 = 4.2774; Methane = 93.14; BTU = 989.5; Grav = 0.6135.</p> <p>At 6:00 AM on 3/21/07 FTP = 1550# on a 28/64" choke (changed at 1:00 PM on 3/20/07) and SICP = 2400#. Dry gas. Gas analysis ran on 3/20/07 is as follows: N2 = 0.555; CO2 = 3.243; Methane = 93.98; BTU = 1003.92; Grav = 0.6065.</p> <p>On early PM of 3/21/07 FTP = 1550# on a 28/64" choke and SICP = 2400# with dry gas. Obtain a gas sample with the following results: N2 = 0.4993; CO2 = 3.007; Methane = 94.44; BTU = 1004.86; Gravity = 0.6027. Decision was made to turn over to production department and to start selling gas via pipeline. Turn well over to production dept. REPORT DISCONTINUED UNTIL MOVE OUT.</p> <p>24 Hour Forecast: Will RDMO Basin Well Service when roads dry up.</p>

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/22/2007	06:00 - 16:00	10.00	OTH		Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down
3/27/2007	06:00 - 16:00	10.00	OTH		On AM of 3/26/07 well is selling via gas sales. Gas analysis ran on 3/26/07 is as follows: N2=0.54; CO2=2.00; Methane =95.24; BTU=1015.8; Grav.=0.5941. RDMO Basin Well Service. Final report of completion. Tbg.detail to follow on subsequent report. Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada: (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt

Operations Summary Report

Well Name: FR 3P-36-14-19
 Location: 36- 14-S 19-E 26
 Rig Name: UNIT

Spud Date: 5/4/2006
 Rig Release: 11/29/2006
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations																
3/27/2007	06:00 - 16:00	10.00	OTH		10326-36'																
3/30/2007	06:00 - 16:00	10.00	OTH		not frac'd - no break down Tbg Detail for Final Report only: <table data-bbox="743 680 1039 842"> <tr><td>KB</td><td>22.0</td></tr> <tr><td>10K 2-3/8" Hanger</td><td>1.19</td></tr> <tr><td>336 Jts 2-3/8" 4.7# EUE</td><td></td></tr> <tr><td>8rd P-110 tbg</td><td>10963.16</td></tr> <tr><td>1.81" "F" Nipple</td><td>0.91</td></tr> <tr><td>1 Jt Tbg (cut)</td><td>31.67</td></tr> <tr><td>Tbg Tail @</td><td>11018.93</td></tr> <tr><td>"F" Nipple @</td><td>10987.26</td></tr> </table> Csg Size: 7" 29# P-110 @ 10384' Csg Depth: 4-1/2" 13.5# P-110 (12167' to 9848') Perfs Zone #1: Entrada (1/5/07): 11409-13'; 11437-39'; 11469-71' 11493-95'; 11537-39'; 11563-65 11650'-52' Zone #1: Entrada (1/17/07) Add perfs and re-perforate 11560-64'; 11566-68'; 11638-42'; 11645-47'; 11654-56'; 11524-32'; 11536-38'; 11548-52'; 11496' - 11502'; 11516-24'; 11468-70'; 11472-82'; 11492-94'; 11432-38'; 11440-44'; 11408-12'; 11416-22'; 11428-32' Zone #2: Buckhorn (3/5/07) 1708-20'; 10698-702' Zone #3: Dakota/Ceda Mtn. 10526' - 10534' 10496' - 10504' Zone #4: Dakota Silt 10326-36' not frac'd - no break down	KB	22.0	10K 2-3/8" Hanger	1.19	336 Jts 2-3/8" 4.7# EUE		8rd P-110 tbg	10963.16	1.81" "F" Nipple	0.91	1 Jt Tbg (cut)	31.67	Tbg Tail @	11018.93	"F" Nipple @	10987.26
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"F" Nipple @	10987.26																				

**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

5. LEASE DESIGNATION AND SERIAL NO.
ML - 49279

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
FR 3P 36 14 19

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC 36-T14S-R19E

1a. TYPE OF WELL
OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION CO.

3. ADDRESS OF OPERATOR
1571 East 1700 South - Vernal, UT 84078

Contact: **Dahn Caldwell 435-781-4342**
Fax # **435.781.4357**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface **NWNW, SEC 36-T14S-R19E, 542' FNL, 353' FWL**

At top rod. interval reported below

At total depth **NENW, SEC 36-T14S-R19E, 660' FNL, 1980' FWL 517 FNL 2165 FWL**

14. PERMIT NO. **43-047-37376** DATE ISSUED _____

12. COUNTY OR PARISH **UINTAH** 13. STATE **UT**

15. DATE SPUNDED **4/28/06** 16. DATE T.D. REACHED **11/24/06** 17. DATE COMPL. (Ready to prod.) **1/09/07** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **KB** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **11934 TVD 12,170' MD** 21. PLUG BACK T.D., MD & TVD **11833 TVD 12,074' MD** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
SEE ATTACHMENT PAGE 1

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CBL, OH LITHODENSITY/COMP NEUTRON/AI

27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	560'	17-1/2"	500 SXS	
9-5/8"	47#	4,178'	12-1/4"	886 SXS	
7"	29#	10,365'	8-1/2"	710 SXS	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
6"	9,851'	12,167'	130		2-3/8"	11,021'	

31. PERFORATION RECORD (Interval, size and number)
SEE ATTACHMENT PAGE 1

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT PG 1	SEE ATTACHMENT PAGE 1

33.* PRODUCTION

DATE FIRST PRODUCTION **01/09/07** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **FLOWING** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
02/01/07	24	15/64"	→	11	997	6	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)
2,750	N/A	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC & PERFORATION DETAIL ATTACHMENT PAGE 1

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **JIM SIMONTON** *Jim Simonton* **COMPLETION SUPERVISOR** DATE **DIV. OF OIL, GAS & MINING 6/19/07**

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

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
FR 3P 36 14 19

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
UINTA	SURFACE		
WASATCH	2195'		
MESA VERDE	4150'		
CASTLEGATE	6020'		
MANCOS	6210'		
DAKOTA	10145'		
CEDAR MOUNTAIN	10225'		
MORRISON	10435'		
CURTIS	10990'		
ENTRADA	11070'		
CARMEL	11395'		
WINGATE	11605'		
TD	12170'		

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
UINTA	SURFACE	
WASATCH	2195'	
MESA VERDE	4150'	
CASTLEGATE	6020'	
MANCOS	6210'	
DAKOTA	10145'	
CEDAR MOUNTAIN	10225'	
MORRISON	10435'	
CURTIS	10990'	
ENTRADA	11070'	
CARMEL	11395'	
WINGATE	11605'	
TD	12170'	

CONFIDENTIAL

**FR 3P 36 14 19 – ATTACHMENT PAGE ONE
PERFORATION DETAIL:**

Open Perfs	Stimulation					Perf Status
10326' – 10336'	Not Fraced – No Breakdown					Open – Dakota Silt
10496' – 10504'	} Frac w/ w/	86,000	Lbs in	23,268	Gals	Open – Dakota/Cdr
10526' – 10534'		125 ton	CO2			Open – Dakota/Cdr
10698' – 10702'	} Frac w/ w/	80,000	Lbs in	18,606	Gals	Open - Buckhorn
10708' – 10720'		150 ton	CO2			Open - Buckhorn
11408' – 11412'	}					Open - Entrada
11409' – 11413'						Open - Entrada
11416' – 11422'						Open - Entrada
11428' – 11432'						Open - Entrada
11432' – 11438'						Open - Entrada
11437' – 11439'						Open - Entrada
11440' – 11444'						Open - Entrada
11468' – 11470'						Open - Entrada
11469' – 11471'						Open - Entrada
11472' – 11482'						Open - Entrada
11492' – 11494'						Open - Entrada
11493' – 11495'						Open - Entrada
11496' – 11502'						Open - Entrada
11516' – 11524'						Open - Entrada
11524' – 11532'						Open - Entrada
11536' – 11538'						Open - Entrada
11537' – 11539'						Open - Entrada
11548' – 11552'						Open - Entrada
11560' – 11564'						Open - Entrada
11563' – 11565'						Open - Entrada
11566' – 11568'					Open - Entrada	
11638' – 11642'					Open - Entrada	
11645' – 11647'					Open - Entrada	
11650' – 11652'					Open - Entrada	
11654' – 11656'					Open - Entrada	

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Questar E & P

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

Well Name: **FR 3P-36-14-19**
 TMD: 12,144.0 (ft)
 Closure Distance: 1,812.2 (ft)

TVD: 11,907.95 (ft)
 Closure Direction: 89.22 (°)

Location: 36- 14-S 19-E 26
 Spud Date: 5/4/2006
 Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	92.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.0	0.00	0.00	YNN	0.00	0.00	0.00	0.00	0.00	0.00	MSS
OH	945.0	0.60	132.35	YNN	944.98	-3.33	3.66	3.77	0.06	0.06	MSS
OH	1,492.0	1.40	123.55	YNN	1,491.90	-8.96	11.34	11.65	0.15	0.15	MSS
OH	2,502.0	1.40	114.15	YNN	2,501.60	-20.82	32.88	33.59	0.02	0.00	MSS
OH	2,965.0	2.00	127.95	YNN	2,964.39	-28.11	44.42	45.37	0.16	0.13	MSS
OH	3,621.0	2.40	103.75	YNN	3,619.92	-38.41	66.78	68.08	0.15	0.06	MSS
OH	4,209.0	2.50	83.05	YNN	4,207.39	-39.78	91.47	92.81	0.15	0.02	MSS
OH	4,251.0	2.81	75.15	YNN	4,249.35	-39.41	93.38	94.70	1.14	0.74	MWD
OH	4,312.0	2.99	72.95	YNN	4,310.27	-38.56	96.34	97.63	0.35	0.30	MWD
OH	4,373.0	3.34	73.39	YNN	4,371.18	-37.59	99.57	100.82	0.58	0.57	MWD
OH	4,435.0	4.48	75.15	YNN	4,433.03	-36.45	103.64	104.85	1.85	1.84	MWD
OH	4,498.0	5.36	76.90	YNN	4,495.80	-35.15	108.88	110.04	1.42	1.40	MWD
OH	4,560.0	5.89	75.23	YNN	4,557.50	-33.68	114.78	115.89	0.89	0.85	MWD
OH	4,622.0	6.68	75.67	YNN	4,619.13	-31.98	121.35	122.39	1.28	1.27	MWD
OH	4,684.0	8.09	76.64	YNN	4,680.61	-30.08	129.09	130.06	2.28	2.27	MWD
OH	4,746.0	8.71	76.64	YNN	4,741.95	-27.99	137.90	138.79	1.00	1.00	MWD
OH	4,808.0	8.88	80.24	YNN	4,803.22	-26.09	147.18	148.01	0.93	0.27	MWD
OH	4,871.0	9.23	82.44	YNN	4,865.43	-24.60	156.99	157.75	0.78	0.56	MWD
OH	4,934.0	9.94	86.75	YNN	4,927.55	-23.63	167.42	168.15	1.60	1.13	MWD
OH	4,996.0	11.61	89.47	YNN	4,988.46	-23.27	179.00	179.71	2.81	2.89	MWD
OH	5,057.0	13.28	91.41	YNN	5,048.02	-23.38	192.15	192.85	2.82	2.74	MWD
OH	5,119.0	13.81	90.70	YNN	5,108.30	-23.65	206.67	207.37	0.90	0.85	MWD
OH	5,180.0	14.77	89.47	YNN	5,167.41	-23.67	221.72	222.41	1.65	1.57	MWD
OH	5,242.0	16.27	87.10	YNN	5,227.15	-23.15	238.30	238.96	2.63	2.42	MWD
OH	5,306.0	17.50	87.63	YNN	5,288.39	-22.30	256.87	257.49	1.94	1.92	MWD
OH	5,369.0	18.11	88.20	YNN	5,348.37	-21.60	276.12	276.70	1.01	0.97	MWD
OH	5,431.0	19.26	90.26	YNN	5,407.10	-21.35	295.98	296.54	2.14	1.85	MWD
OH	5,492.0	19.52	88.33	YNN	5,464.64	-21.09	316.22	316.77	1.13	0.43	MWD
OH	5,554.0	19.52	88.77	YNN	5,523.08	-20.57	336.93	337.45	0.24	0.00	MWD
OH	5,617.0	19.35	91.76	YNN	5,582.49	-20.67	357.89	358.39	1.60	-0.27	MWD
OH	5,679.0	18.99	90.26	YNN	5,641.05	-21.03	378.24	378.75	0.98	-0.58	MWD
OH	5,742.0	18.64	90.79	YNN	5,700.69	-21.21	398.56	399.06	0.62	-0.56	MWD
OH	5,803.0	17.94	89.56	YNN	5,758.61	-21.27	417.70	418.19	1.31	-1.15	MWD

Deviation Summary

Well Name: FR 3P-36-14-19 TMD: 12,144.0 (ft) Closure Distance: 1,812.2 (ft)										Location: 36-14-S 19-E 26 Spud Date: 5/4/2006 Calculation Method: Minimum Curvature		S/T #	V.S. AZI (°)
TVD: 11,907.95 (ft) Closure Direction: 89.22 (°)												OH	92.00
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
OH	5,867.0	17.67	90.53	YNN	5,819.54	-21.29	437.27	437.75	0.63	-0.42	MWD		
OH	5,930.0	17.15	89.91	YNN	5,879.65	-21.36	456.12	456.59	0.88	-0.83	MWD		
OH	5,993.0	16.80	92.20	YNN	5,939.91	-21.70	474.51	474.98	1.20	-0.56	MWD		
OH	6,055.0	17.15	92.99	YNN	5,999.21	-22.52	492.59	493.08	0.68	0.56	MWD		
OH	6,117.0	17.32	90.26	YNN	6,058.43	-23.04	510.95	511.44	1.33	0.27	MWD		
OH	6,179.0	18.64	91.85	YNN	6,117.40	-23.40	530.08	530.58	2.27	2.13	MWD		
OH	6,241.0	19.17	92.11	YNN	6,176.05	-24.09	550.16	550.66	0.87	0.85	MWD		
OH	6,304.0	18.82	90.09	YNN	6,235.62	-24.49	570.66	571.16	1.18	-0.56	MWD		
OH	6,366.0	18.47	93.96	YNN	6,294.37	-25.18	590.46	590.97	2.07	-0.56	MWD		
OH	6,429.0	18.73	95.36	YNN	6,354.08	-26.82	610.48	611.05	0.82	0.41	MWD		
OH	6,492.0	18.11	94.13	YNN	6,413.85	-28.47	630.32	630.93	1.16	-0.98	MWD		
OH	6,555.0	17.67	92.20	YNN	6,473.81	-29.54	649.64	650.27	1.17	-0.70	MWD		
OH	6,618.0	18.03	92.90	YNN	6,533.77	-30.40	668.93	669.58	0.67	0.57	MWD		
OH	6,680.0	18.29	92.90	YNN	6,592.69	-31.38	688.23	688.91	0.42	0.42	MWD		
OH	6,742.0	19.08	93.60	YNN	6,651.42	-32.51	708.06	708.76	1.32	1.27	MWD		
OH	6,805.0	19.52	92.90	YNN	6,710.88	-33.69	728.85	729.58	0.79	0.70	MWD		
OH	6,868.0	19.52	93.08	YNN	6,770.26	-34.78	749.87	750.63	0.10	0.00	MWD		
OH	6,927.0	18.99	90.97	YNN	6,825.96	-35.48	769.31	770.08	1.48	-0.90	MWD		
OH	6,989.0	19.35	90.18	YNN	6,884.52	-35.68	789.67	790.43	0.72	0.58	MWD		
OH	7,050.0	20.05	92.46	YNN	6,941.95	-36.16	810.22	810.99	1.70	1.15	MWD		
OH	7,110.0	19.79	94.22	YNN	6,998.36	-37.35	830.63	831.43	1.09	-0.43	MWD		
OH	7,173.0	19.26	91.93	YNN	7,057.74	-38.48	851.65	852.47	1.48	-0.84	MWD		
OH	7,234.0	18.64	90.79	YNN	7,115.43	-38.96	871.45	872.28	1.18	-1.02	MWD		
OH	7,296.0	17.85	89.56	YNN	7,174.31	-39.02	890.86	891.68	1.42	-1.27	MWD		
OH	7,359.0	17.67	91.14	YNN	7,234.31	-39.14	910.08	910.89	0.82	-0.29	MWD		
OH	7,421.0	18.11	91.14	YNN	7,293.31	-39.51	929.12	929.93	0.71	0.71	MWD		
OH	7,483.0	18.55	90.62	YNN	7,352.17	-39.81	948.61	949.43	0.76	0.71	MWD		
OH	7,546.0	17.76	88.77	YNN	7,412.03	-39.72	968.24	969.04	1.55	-1.25	MWD		
OH	7,608.0	17.76	91.41	YNN	7,471.08	-39.75	987.15	987.93	1.30	0.00	MWD		
OH	7,670.0	18.47	90.09	YNN	7,530.01	-39.99	1,006.42	1,007.21	1.32	1.15	MWD		
OH	7,733.0	17.32	89.39	YNN	7,589.96	-39.91	1,025.78	1,026.55	1.86	-1.83	MWD		
OH	7,795.0	16.80	89.82	YNN	7,649.23	-39.78	1,043.97	1,044.72	0.86	-0.84	MWD		
OH	7,857.0	18.03	89.39	YNN	7,708.38	-39.65	1,062.52	1,063.26	1.99	1.98	MWD		

Deviation Summary

Well Name: FR 3P-36-14-19 TMD: 12,144.0 (ft) Closure Distance: 1,812.2 (ft)										Location: 36-14-S 19-E 26 Spud Date: 5/4/2006 Calculation Method: Minimum Curvature		S/T #	V.S. AZI (°)
TVD: 11,907.95 (ft) Closure Direction: 89.22 (°)										OH	92.00		
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
OH	7,919.0	17.50	88.42	YNN	7,767.43	-39.29	1,081.44	1,082.15	0.98	-0.85	MWD		
OH	7,981.0	18.03	90.70	YNN	7,826.47	-39.15	1,100.35	1,101.05	1.41	0.85	MWD		
OH	8,043.0	16.80	91.23	YNN	7,885.63	-39.46	1,118.90	1,119.60	2.00	-1.98	MWD		
OH	8,105.0	16.09	90.18	YNN	7,945.09	-39.68	1,136.45	1,137.15	1.24	-1.15	MWD		
OH	8,167.0	17.59	91.49	YNN	8,004.43	-39.95	1,154.41	1,155.10	2.50	2.42	MWD		
OH	8,229.0	18.03	93.52	YNN	8,063.46	-40.79	1,173.35	1,174.06	1.23	0.71	MWD		
OH	8,229.0	18.03	93.52	YNN	8,063.46	-40.79	1,173.35	1,174.06	0.00	0.00	MWD		
OH	8,300.0	17.85	94.75	YNN	8,131.01	-42.36	1,195.16	1,195.91	0.59	-0.25	MWD		
OH	8,362.0	17.15	93.69	YNN	8,190.14	-43.74	1,213.76	1,214.54	1.24	-1.13	MWD		
OH	8,424.0	17.85	95.63	YNN	8,249.27	-45.26	1,232.34	1,233.16	1.47	1.13	MWD		
OH	8,486.0	17.15	95.27	YNN	8,308.40	-47.03	1,250.89	1,251.77	1.14	-1.13	MWD		
OH	8,548.0	17.32	95.36	YNN	8,367.62	-48.73	1,269.19	1,270.11	0.28	0.27	MWD		
OH	8,611.0	17.50	95.63	YNN	8,427.73	-50.54	1,287.95	1,288.93	0.31	0.29	MWD		
OH	8,673.0	17.59	95.98	YNN	8,486.85	-52.43	1,306.54	1,307.58	0.22	0.15	MWD		
OH	8,736.0	17.94	94.75	YNN	8,546.84	-54.22	1,325.68	1,326.76	0.81	0.56	MWD		
OH	8,798.0	17.24	93.34	YNN	8,605.94	-55.55	1,344.37	1,345.49	1.32	-1.13	MWD		
OH	8,860.0	17.32	92.11	YNN	8,665.15	-56.42	1,362.76	1,363.90	0.60	0.13	MWD		
OH	8,922.0	17.06	90.62	YNN	8,724.38	-56.86	1,381.08	1,382.22	0.82	-0.42	MWD		
OH	8,984.0	16.80	90.53	YNN	8,783.69	-57.04	1,399.13	1,400.27	0.42	-0.42	MWD		
OH	9,045.0	16.27	89.91	YNN	8,842.17	-57.11	1,416.49	1,417.62	0.92	-0.87	MWD		
OH	9,107.0	14.95	92.11	YNN	8,901.88	-57.39	1,433.17	1,434.30	2.33	-2.13	MWD		
OH	9,170.0	14.33	94.31	YNN	8,962.83	-58.28	1,449.07	1,450.22	1.32	-0.98	MWD		
OH	9,232.0	13.98	95.10	YNN	9,022.95	-59.52	1,464.18	1,465.36	0.64	-0.56	MWD		
OH	9,294.0	13.28	94.13	YNN	9,083.20	-60.70	1,478.74	1,479.96	1.19	-1.13	MWD		
OH	9,356.0	12.49	92.37	YNN	9,143.64	-61.49	1,492.54	1,493.78	1.42	-1.27	MWD		
OH	9,418.0	11.17	93.16	YNN	9,204.33	-62.10	1,505.24	1,506.49	2.14	-2.13	MWD		
OH	9,480.0	11.26	92.20	YNN	9,265.14	-62.66	1,517.28	1,518.54	0.33	0.15	MWD		
OH	9,543.0	10.99	89.56	YNN	9,326.96	-62.85	1,529.43	1,530.69	0.91	-0.43	MWD		
OH	9,603.0	10.73	87.80	YNN	9,385.88	-62.59	1,540.73	1,541.98	0.70	-0.43	MWD		
OH	9,665.0	10.02	89.12	YNN	9,446.87	-62.29	1,551.89	1,553.12	1.21	-1.15	MWD		
OH	9,727.0	8.71	90.09	YNN	9,508.04	-62.21	1,561.98	1,563.20	2.13	-2.11	MWD		
OH	9,790.0	7.39	87.98	YNN	9,570.42	-62.08	1,570.80	1,572.01	2.15	-2.10	MWD		
OH	9,853.0	6.95	91.32	YNN	9,632.93	-62.02	1,578.66	1,579.86	0.96	-0.70	MWD		

Questar E & P

Deviation Summary

Well Name: FR 3P-36-14-19
 TMD: 12,144.0 (ft)
 Closure Distance: 1,812.2 (ft)

TVD: 11,907.95 (ft)
 Closure Direction: 89.22 (°)

Location: 36- 14-S 19-E 26
 Spud Date: 5/4/2006
 Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	92.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	9,915.0	6.60	95.54	YNN	9,694.49	-62.45	1,585.96	1,587.17	0.98	-0.56	MWD
OH	9,978.0	6.07	92.11	YNN	9,757.11	-62.92	1,592.89	1,594.12	1.03	-0.84	MWD
OH	10,039.0	5.45	90.18	YNN	9,817.80	-63.05	1,599.01	1,600.24	1.06	-1.02	MWD
OH	10,102.0	4.04	87.54	YNN	9,880.58	-62.97	1,604.22	1,605.44	2.26	-2.24	MWD
OH	10,164.0	3.43	100.91	YNN	9,942.45	-63.22	1,608.22	1,609.45	1.71	-0.98	MWD
OH	10,226.0	3.08	90.09	YNN	10,004.35	-63.58	1,611.71	1,612.95	1.14	-0.56	MWD
OH	10,288.0	2.81	87.28	YNN	10,066.27	-63.51	1,614.89	1,616.13	0.49	-0.44	MWD
OH	10,324.0	2.64	93.60	YNN	10,102.23	-63.52	1,616.60	1,617.83	0.96	-0.47	MWD
OH	11,234.0	7.20	64.85	YNN	11,008.75	-40.58	1,689.19	1,689.57	0.55	0.50	GSS
OH	11,548.0	8.70	63.93	YNN	11,319.72	-21.78	1,728.33	1,728.04	0.48	0.48	GSS
OH	11,807.0	9.40	64.63	YNN	11,575.49	-4.11	1,765.04	1,764.11	0.27	0.27	GSS
OH	12,144.0	9.50	52.70	YNN	11,907.95	24.54	1,812.03	1,810.07	0.58	0.03	GSS

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

5 FASFP DESIGNATION AND SERIAL NUMBER ML-49279
6 IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
7 UNIT or CA AGREEMENT NAME N/A
8 WELL NAME and NUMBER FR 3P-36-14-19
9 API NUMBER 4304737376
10 FIELD AND POOL, OR WILDCAT FLAT ROCK

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 & PRODUCTION CO.

3 ADDRESS OF OPERATOR 1050 17TH ST., SUITE 500 DENVER CO 80265 PHONE NUMBER (303) 308-3613

4 LOCATION OF WELL
FOOTAGES AT SURFACE 542' FNL, 353' FWL COUNTY UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN NWNW 36 14S 19E S STATE UTAH

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

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

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

Questar Exploration & Production hereby requests the commingling of production between intervals in the FR 3P-36-14-19. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate recovery, prevents waste, provides for orderly and efficient production of hydrocarbons and presents no detrimental effects from commingling the two gas streams. Based upon formation testing and production logs in the area, we believe there is no opportunity for cross flow or thief zones within the wellbore. Furthermore, by producing all zones simultaneously the time to reach EUR is shortened and reclamation can begin sooner. — Comingle Dakota, Cedar mtn, Entrada (see attached wcr)

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SEP 04 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Mike Stahl (mike.stahl@questar.com) TITLE Sr. Petroleum Engineer

SIGNATURE *Michael Stahl* DATE 8/8/2007

(This space for State use only)

COPIES SENT TO OPERATOR
DATE 9-21-07
BY RM

(5/2000) (See Instructions on Reverse Side)

9/21/07

AFFIDAVIT OF MAILING

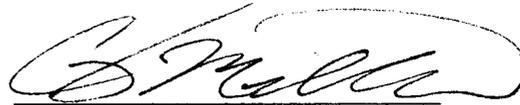
STATE OF COLORADO)
COUNTY OF DENVER) ss:

Cory Miller (hereinafter sometimes referred to as "Affiant"), of lawful age, being first duly sworn, deposes and says:

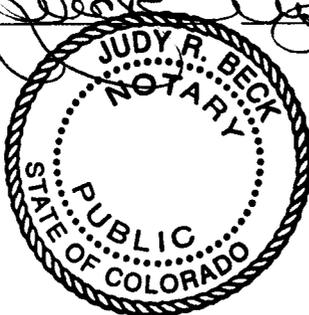
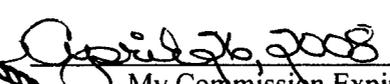
1. Affiant is a Landman for Questar Exploration and Production Company (hereinafter referred to as "Questar") whose address is 1050 17th Street, Suite 500, Denver, Colorado 80202.
2. Questar is the operator of the following described oil and gas well:

FR 3P-36-14-19
542' FNL – 353' FWL (NWNW), Section 36, T14S-R19E
Uintah County, Utah
3. A cursory search of applicable records confirmed that the following parties are the leasehold interest owners in the contiguous oil and gas leases and drilling units overlying the pool:
 1. Mr. John Chasel
 2. Ute Energy, LLC
 3. Wind River II Corporation
 4. Chicago Energy Associates, LLC
4. On or around this 31st day of August, 2007, Affiant mailed (or caused to be mailed) in the U.S. Mail, with postage paid, a copy of the attached Application for Commingling two or more pools in one well bore of the well described above to the owners described above which said Application for Commingling (Form 9) has concurrently been filed with the State of Utah Division of Oil, Gas, and Mining (and if applicable, copies sent to SITLA, and the BLM), and
5. Attached is a map showing the location of wells located on contiguous oil and gas leases and / or drilling units overlying the pool.

Affiant saith no more.

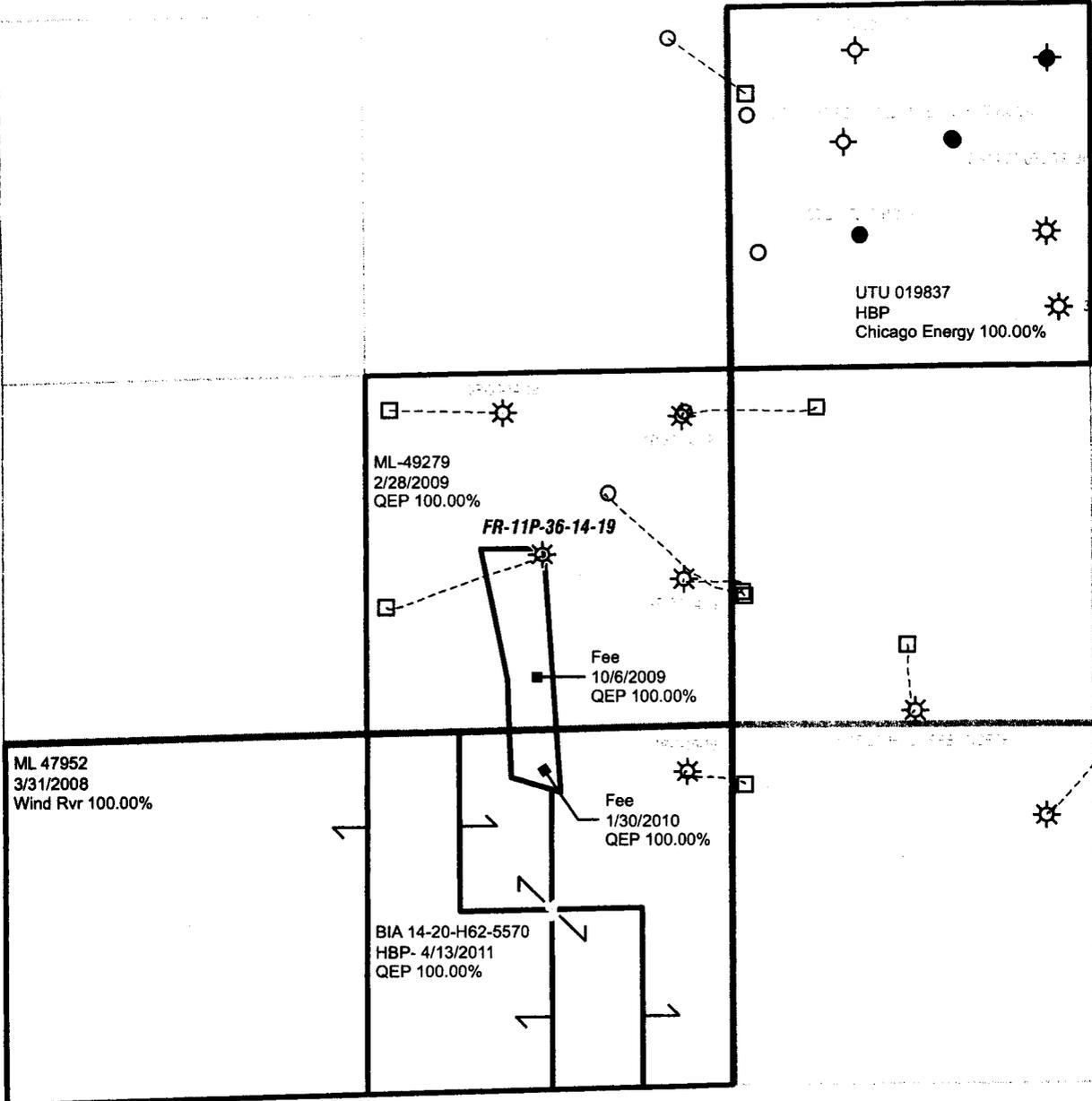

Cory Miller, Affiant

Scribed and sworn before me this 31st day of August by Cory Miller.


Notary Public   My Commission Expires

19E 20E

14S
15S



Flat Rock

Uinta County, Utah

**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 *

1a. TYPE OF WELL OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

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5. LEASE DESIGNATION AND SERIAL NO. **ML - 49279**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME **UTE TRIBE**

7. UNIT AGREEMENT NAME **N/A**

8. FARM OR LEASE NAME **N/A**

9. WELL NO. **FR 3P 36 14 19**

10. FIELD AND POOL, OR WILDCAT **UNDESIGNATED**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA **SEC 36-T14S-R19E**

2. NAME OF OPERATOR **QUESTAR EXPLORATION & PRODUCTION CO.**

3. ADDRESS OF OPERATOR **1571 East 1700 South - Vernal, UT 84078** Contact: **Dahn Caldwell 435-781-4342** Fax # **435.781.4357**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **NWNW, SEC 36-T14S-R19E, 542' FNL, 353' FWL**
At top rod. interval reported below
At total depth **NENW, SEC 36-T14S-R19E, 660' FNL, 1980' FWL 517 FNL 2165 FWL**

14. PERMIT NO. **43-047-37376** DATE ISSUED _____

12. COUNTY OR PARISH **UINTAH** 13. STATE **UT**

15. DATE SPUNDED **4/28/06** 16. DATE T.D. REACHED **11/24/06** 17. DATE COMPL. (Ready to prod.) **1/09/07** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **KB** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **11934 TVD 12,170' MD** 21. PLUG BACK T.D., MD & TVD **1183 TVD 12,074' MD** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **SEE ATTACHMENT PAGE 1**

25. WAS DIRECTIONAL SURVEY MADE **YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN **CBL, OH LITHODENSITY/COMP NEUTRON/AI**

27. WAS WELL CORED **NO**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	560'	17-1/2"	500 SXS	
9-5/8"	47#	4,178'	12-1/4"	886 SXS	
7"	29#	10,365'	8-1/2"	710 SXS	

29. LINER RECORD **30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
6"	9,851'	12,167'	130		2-3/8"	11,021'	

31. PERFORATION RECORD (Interval, size and number) **SEE ATTACHMENT PAGE 1**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT PG 1	SEE ATTACHMENT PAGE 1

33.* PRODUCTION

DATE FIRST PRODUCTION **01/09/07** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **FLOWING** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
02/01/07	24	15/64"	→	11	997	6	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)
2,750	N/A	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **SOLD**

35. LIST OF ATTACHMENTS **WELLBORE SCHEMATIC & PERFORATION DETAIL ATTACHMENT PAGE 1**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **JIM SIMONTON** *Jim Simonton* **COMPLETION SUPERVISOR** DATE **6/19/07**

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

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DIV. OF OIL, GAS & MINING

7. 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
FR 3P 36 14 19

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
JUNTA	SURFACE			JUNTA	SURFACE		
WASATCH	2195'			WASATCH	2195'		
MESA VERDE	4150'			MESA VERDE	4150'		
CASTLEGATE	6020'			CASTLEGATE	6020'		
MANCOS	6210'			MANCOS	6210'		
DAKOTA	10145'			DAKOTA	10145'		
CEDAR MOUNTAIN	10225'			CEDAR MOUNTAIN	10225'		
MORRISON	10435'			MORRISON	10435'		
CURTIS	10990'			CURTIS	10990'		
ENTRADA	11070'			ENTRADA	11070'		
CARMEL	11395'			CARMEL	11395'		
WINGATE	11605'			WINGATE	11605'		
TD	12170'			TD	12170'		

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FR 3P 36 14 19 – ATTACHMENT PAGE ONE
PERFORATION DETAIL:

<u>Open Perfs</u>	<u>Stimulation</u>	<u>Perf Status</u>
10326' – 10336'	Not Fraced – No Breakdown	Open – Dakota Silt
10496' – 10504'	Frac w/ 86,000 Lbs in w/ 125 ton CO2	Open – Dakota/Cdr
10526' – 10534'		Open – Dakota/Cdr
10698' – 10702'	Frac w/ 80,000 Lbs in w/ 150 ton CO2	Open - Buckhorn
10708' – 10720'		Open - Buckhorn
11408' – 11412'		Open - Entrada
11409' – 11413'		Open - Entrada
11416' – 11422'		Open - Entrada
11428' – 11432'		Open - Entrada
11432' – 11438'		Open - Entrada
11437' – 11439'		Open - Entrada
11440' – 11444'		Open - Entrada
11468' – 11470'		Open - Entrada
11469' – 11471'		Open - Entrada
11472' – 11482'		Open - Entrada
11492' – 11494'		Open - Entrada
11493' – 11495'		Open - Entrada
11496' – 11502'		Open - Entrada
11516' – 11524'		Open - Entrada
11524' – 11532'		Open - Entrada
11536' – 11538'		Open - Entrada
11537' – 11539'		Open - Entrada
11548' – 11552'		Open - Entrada
11560' – 11564'		Open - Entrada
11563' – 11565'		Open - Entrada
11566' – 11568'	Open - Entrada	
11638' – 11642'	Open - Entrada	
11645' – 11647'	Open - Entrada	
11650' – 11652'	Open - Entrada	
11654' – 11656'	Open - Entrada	

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49279
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tribe
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION		8. WELL NAME and NUMBER: FR 3P-36-14-19
3. ADDRESS OF OPERATOR: 11002 E 17500 S CITY Vernal STATE Ut ZIP 84078		9. API NUMBER: 4304737376
PHONE NUMBER: (435) 781-4362		10. FIELD AND POOL, OR WILDCAT: Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 542' FNL 353' FWL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 36 14S 19E S		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/9/2007	<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 checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The Dakota, Cedar Mountain and Entrada formations were perforated and production has been commingled. Based on testing and knowledge of the area, the production allocation is as follows:

Dakota	40%
Cedar Mountain	20%
Entrada	40%

NAME (PLEASE PRINT) <u>Rick Canterbury</u>	TITLE <u>Regulatory Affairs</u>
SIGNATURE <u><i>Rick Canterbury</i></u>	DATE <u>6/27/2008</u>

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JUL 02 2008 **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

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (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
- 4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. 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
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- 3b. 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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
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

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 Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY: Attached
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"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<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

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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
Wr 16G-32-10-17	32	100S	170E	4301350370		State	OW	NEW	C
STATE 1	36	070S	240E	4304715128	5878	State	GW	P	
KAYE STATE 1-16	16	100S	230E	4304730609	5395	State	GW	P	
TOLL STATION ST 8-36-8-21	36	080S	210E	4304732724	12361	State	GW	S	
GB 8A-36-8-21	36	080S	210E	4304733037	12377	State	GW	P	
GB 6-36-8-21	36	080S	210E	4304733038	12378	State	GW	P	
GB 2-36-8-21	36	080S	210E	4304733252	12527	State	GW	P	
GH 1W-32-8-21	32	080S	210E	4304733570	12797	State	GW	P	
GH 3W-32-8-21	32	080S	210E	4304733571	12796	State	GW	P	
GH 5W-32-8-21	32	080S	210E	4304733572	12828	State	GW	P	
GH 7W-32-8-21	32	080S	210E	4304733573	12872	State	GW	P	
GH 2W-32-8-21	32	080S	210E	4304733744	13029	State	GW	P	
GH 4W-32-8-21	32	080S	210E	4304733745	13035	State	GW	P	
GH 8W-32-8-21	32	080S	210E	4304733746	13030	State	GW	P	
OU GB 3W-16-8-22	16	080S	220E	4304733751	13577	State	GW	P	
OU GB 5W-16-8-22	16	080S	220E	4304733752	13570	State	GW	P	
GH 6W-32-8-21	32	080S	210E	4304733753	13036	State	GW	P	
OU GB 11W-16-8-22	16	080S	220E	4304733754	13582	State	GW	P	
GH 5G-32-8-21	32	080S	210E	4304733866	13037	State	OW	P	
GB 1W-36-8-21	36	080S	210E	4304733944	13439	State	GW	P	
WV 2W-2-8-21	02	080S	210E	4304734034	13678	State	GW	P	
GB 6W-25-8-21	25	080S	210E	4304734121	13440	Fee	GW	P	
GB 7W-25-8-21	25	080S	210E	4304734122	13436	Fee	GW	P	
WV 9W-16-7-21	16	070S	210E	4304734324		State	GW	LA	
OU GB 11W-30-8-22	30	080S	220E	4304734392	13433	Fee	GW	P	
OU GB 4W-16-8-22	16	080S	220E	4304734598	13579	State	GW	P	
OU GB 10W-16-8-22	16	080S	220E	4304734616		State	GW	LA	
OU GB 12W-16-8-22	16	080S	220E	4304734617	13697	State	GW	P	
OU GB 13W-16-8-22	16	080S	220E	4304734618	13611	State	GW	P	
GB 14MU-16-8-22	16	080S	220E	4304734619	14196	State	GW	P	
OU GB 15W-16-8-22	16	080S	220E	4304734622	13595	State	GW	P	
OU GB 16W-16-8-22	16	080S	220E	4304734655	13815	State	GW	P	
OU GB 2W-16-8-22	16	080S	220E	4304734657	13721	State	GW	P	
OU GB 6W-16-8-22	16	080S	220E	4304734658	13592	State	GW	P	
OU GB 8W-16-8-22	16	080S	220E	4304734660	13769	State	GW	TA	
OU GB 9W-16-8-22	16	080S	220E	4304734692		State	GW	LA	
OU GB 15G-16-8-22	16	080S	220E	4304734829	13777	State	OW	S	
GB 7MU-36-8-21	36	080S	210E	4304734893	14591	State	GW	P	
GB 3W-36-8-21	36	080S	210E	4304734894	13791	State	GW	P	
NC 8M-32-8-22	32	080S	220E	4304734897		State	GW	LA	
NC 3M-32-8-22	32	080S	220E	4304734899		State	GW	LA	
GB 5W-36-8-21	36	080S	210E	4304734925	13808	State	GW	P	
GB 4MU-36-8-21	36	080S	210E	4304734926	14589	State	GW	P	
NC 11M-32-8-22	32	080S	220E	4304735040		State	GW	LA	
GB 5SG-36-8-21	36	080S	210E	4304735155	14015	State	GW	P	
SC 13ML-16-10-23	16	100S	230E	4304735281	14036	State	GW	P	
SC 3ML-16-10-23	16	100S	230E	4304735282	14014	State	GW	P	
SC 11ML-16-10-23	16	100S	230E	4304735311	14035	State	GW	P	
WH 13G-2-7-24	02	070S	240E	4304735484	14176	State	D	PA	
FR 9P-36-14-19	31	140S	200E	4304735880	14310	State	GW	P	
CB 13G-36-6-20	36	060S	200E	4304735969		State	OW	LA	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WH 2G-2-7-24	02	070S	240E	4304736259		State	GW	LA	
WH 4G-2-7-24	02	070S	240E	4304736261		State	GW	LA	
FR 1P-36-14-19	31	140S	200E	4304736300	14859	State	GW	P	
WK 3ML-2-9-24	02	090S	240E	4304736723		State	GW	LA	
WK 7ML-2-9-24	02	090S	240E	4304736724		State	GW	LA	
SC 5ML-16-10-23	16	100S	230E	4304736877	15125	State	GW	P	
SC 12ML-16-10-23	16	100S	230E	4304736878	15053	State	GW	P	
SC 14ML-16-10-23	16	100S	230E	4304736908	15070	State	GW	P	
SC 4ML-16-10-23	16	100S	230E	4304736912	15208	State	GW	P	
FR 3P-36-14-19	36	140S	190E	4304737376	15736	State	GW	P	
BZ 12ML-16-8-24	16	080S	240E	4304737670		State	GW	LA	
BZ 10D-16-8-24	16	080S	240E	4304737671	15979	State	GW	S	
BZ 14ML-16-8-24	16	080S	240E	4304737672		State	GW	LA	
BBE 9W-16-7-21	16	070S	210E	4304737745		State	GW	LA	
GB 10ML-16-8-22	16	080S	220E	4304737943		State	GW	LA	
GB 9ML-16-8-22	16	080S	220E	4304737944	15851	State	GW	P	
HR 2MU-2-12-23	02	120S	230E	4304738052		State	GW	LA	
HR 3MU-2-12-23	02	120S	230E	4304738053		State	GW	LA	
HR 6MU-2-12-23	02	120S	230E	4304738054		State	GW	LA	
HR 10MU-2-12-23	02	120S	230E	4304738055	15737	State	GW	S	
HR 12MU-2-12-23	02	120S	230E	4304738056		State	GW	LA	
HR 14MU-2-12-23	02	120S	230E	4304738057		State	GW	LA	
HR 16MU-2-12-23	02	120S	230E	4304738058		State	GW	LA	
FR 11P-36-14-19	36	140S	190E	4304738349	15899	State	GW	P	
GB 4SG-36-8-21	36	080S	210E	4304738764	16142	State	GW	P	
GB 7SG-36-8-21	36	080S	210E	4304738765	16144	State	GW	P	
WF 3D-32-15-19	32	150S	190E	4304738877		State	GW	APD	C
SCS 5C-32-14-19	32	140S	190E	4304738963	16759	State	GW	P	
FR 7P-36-14-19	31	140S	200E	4304738992	15955	State	GW	P	
SCS 10C-16-15-19	16	150S	190E	4304739683	16633	State	GW	P	
FR 6P-16-14-19	16	140S	190E	4304740350		State	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695