

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

SUBMIT IN TRIPLICATE*

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. LEASE DESIGNATION AND SERIAL NO. UTU-10164
TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		8. FARM OR LEASE NAME, WELL NO. FR 13P-20-14-20
3. ADDRESS 1571 E 1700 S VERNAL, UT 84078		9. API NUMBER: 43-047-39226
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
Telephone number Phone 435-781-4032 Fax 435-781-4045		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 20, T14S, R20E Mer SLB
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 60889X 560' FSL 467' FWL SWSW SECTION 20, T14S, R20E At proposed production zone 43816294 39.579092 -109.708872		12. COUNTY OR PARISH Uintah
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 53+ / - MILES FROM OURAY, UTAH		13. STATE UT
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 467' +/-	16. NO. OF ACRES IN LEASE 1760.00	17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 1450' +/-	19. PROPOSED DEPTH 12,585'	20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7187.6' GR	22. DATE WORK WILL START ASAP	23. Estimated duration 20 Days
24. Attachments		

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

- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan 3. A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer. |
|--|---|

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 4-18-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43-047-39226 APPROVAL DATE _____

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL MANAGER

DATE 07-16-07

*See Instructions On Reverse Side

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

RECEIVED

APR 20 2007

DIV. OF OIL, GAS & MINING

*Federal Approval of this
Action is Necessary*

CONFIDENTIAL

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

S89°48'W - 5270.76' (G.L.O.)

QUESTAR EXPLR. & PROD.

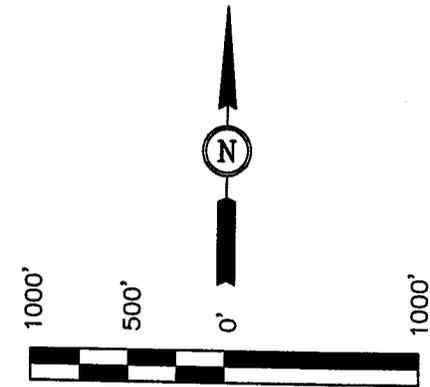
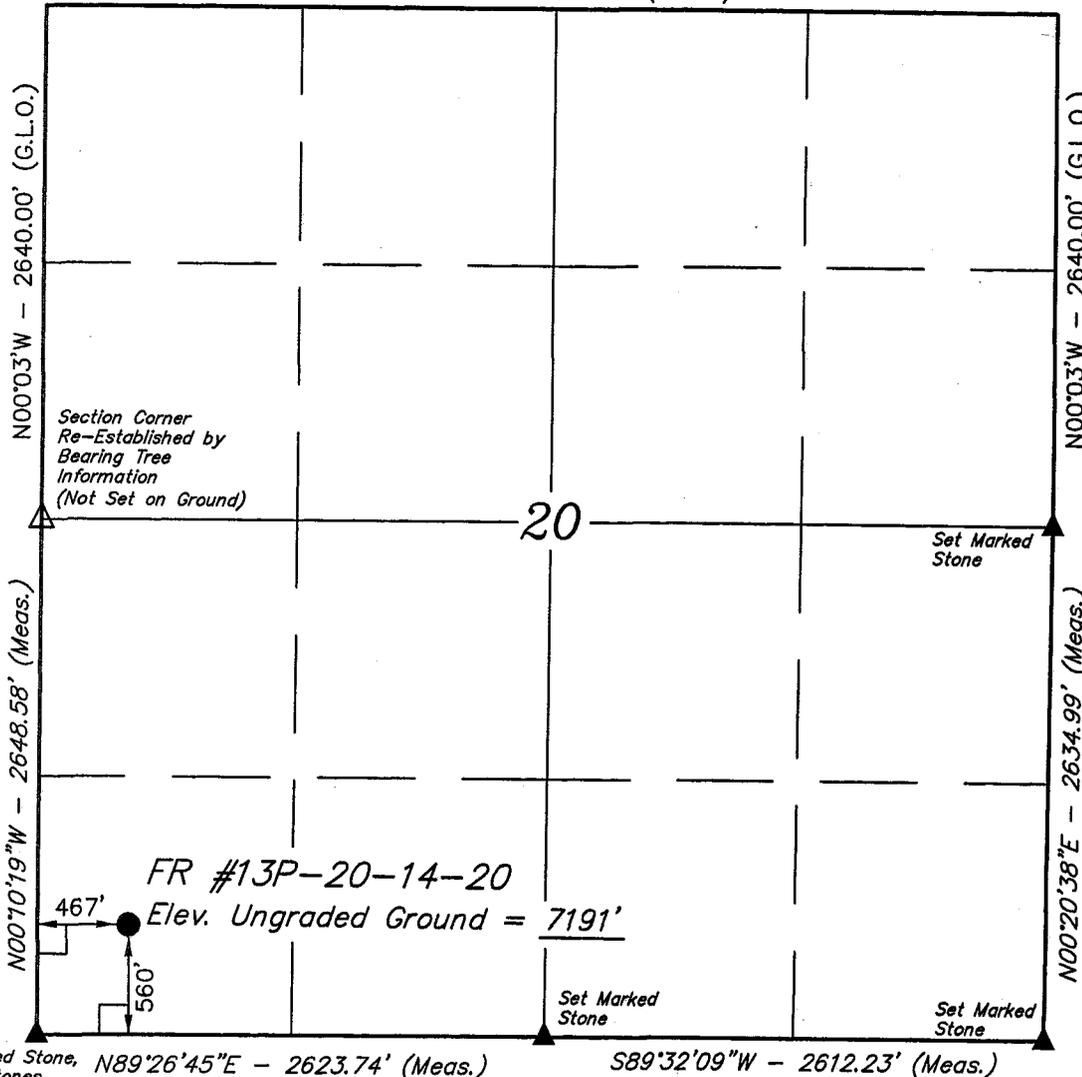
Well location, FR #13P-20-14-20, located as shown in the SW 1/4 SW 1/4 of Section 20, T14S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

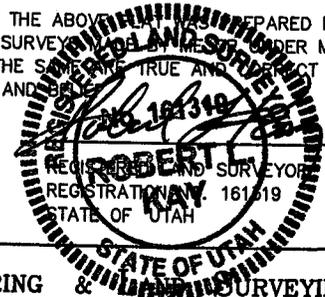
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYING AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

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

(AUTONOMOUS NAD 83)

LATITUDE = 39°34'44.81" (39.579114)
LONGITUDE = 109°42'34.53" (109.709592)

(AUTONOMOUS NAD 27)

LATITUDE = 39°34'44.94" (39.579150)
LONGITUDE = 109°42'32.04" (109.708900)

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

SCALE 1" = 1000'	DATE SURVEYED: 3-23-07	DATE DRAWN: 3-30-07
PARTY D.R. K.A. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QUESTAR EXPLR. & PROD.	

Additional Operator Remarks

Questar Explor. & Prod. Co. proposes to drill a well to 12,585' to test the Wingate. 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"

Please see Onshore Oil & Gas Order NO. 1

Please be advised that Questar Explor. & Prod. Co. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is Questar Explor. & Prod. Co. 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:

Formation	TVD	MD	Prod. Phase Anticipated
Green River	Sfc	Sfc	
Wasatch	2382	2382	
Mesa Verde	4375	4375	Gas
Castlegate	6503	6503	
Mancos	7163	7163	
Dakota Silt	10,730	10,730	
Dakota	10,825	10,825	Gas
Cedar Mountain	10,905	10,905	
Morrison	11,115	11,115	
Curtis	11,670	11,670	
Entrada	11,750	11,750	Gas
Carmel	12,075	12,075	
Wingate	12,285	12,285	Gas
TD	12,585	12,585	

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:

Substance	Formation	TVD Depth	MD Depth
Gas	Mesa Verde	4,375'	4,375'
Gas	Dakota	10,825'	10,825'
Gas	Entrada	11,750'	11,750'
Gas	Wingate	12,285'	12,285'

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 13P-20-14-20

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

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

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

3. Operator's Specification for Pressure Control Equipment:

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

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	500'	17 1/2"	13 3/8"	H-40	48lb/ft (new)
Intermediate	4400'	12 1/4"	9 5/8"	J-55	40lb/ft (new)
Production	TD	8 1/2"	5 1/2"	P-110	17lb/ft(new)

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION, CO.
FLAT ROCK 13P-20-14-20

5. Auxiliary Equipment

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

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

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

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

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

6. Testing, logging and coring program

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

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

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

7. Cementing Program

See attached Cementing Recommendation.

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

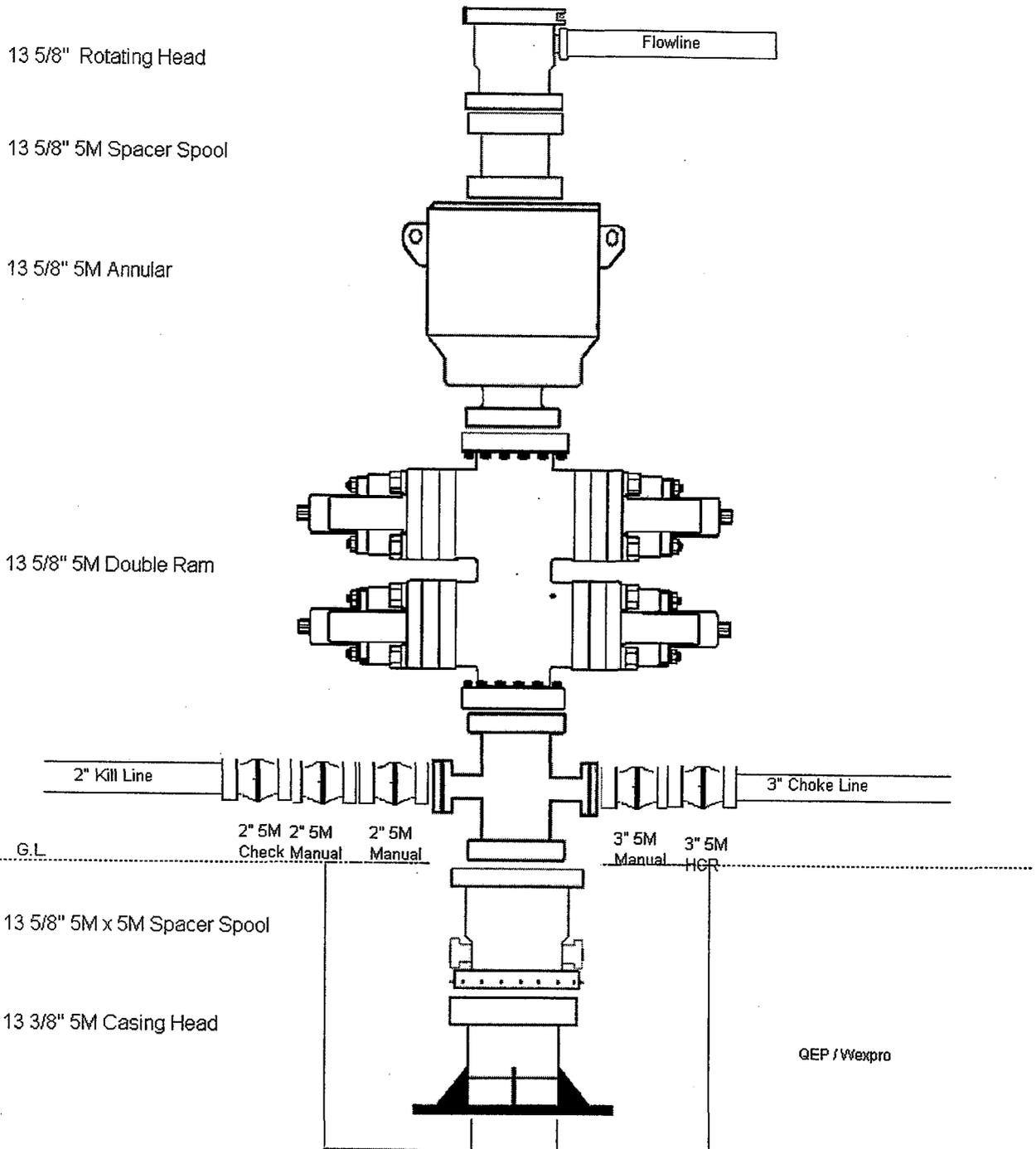
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

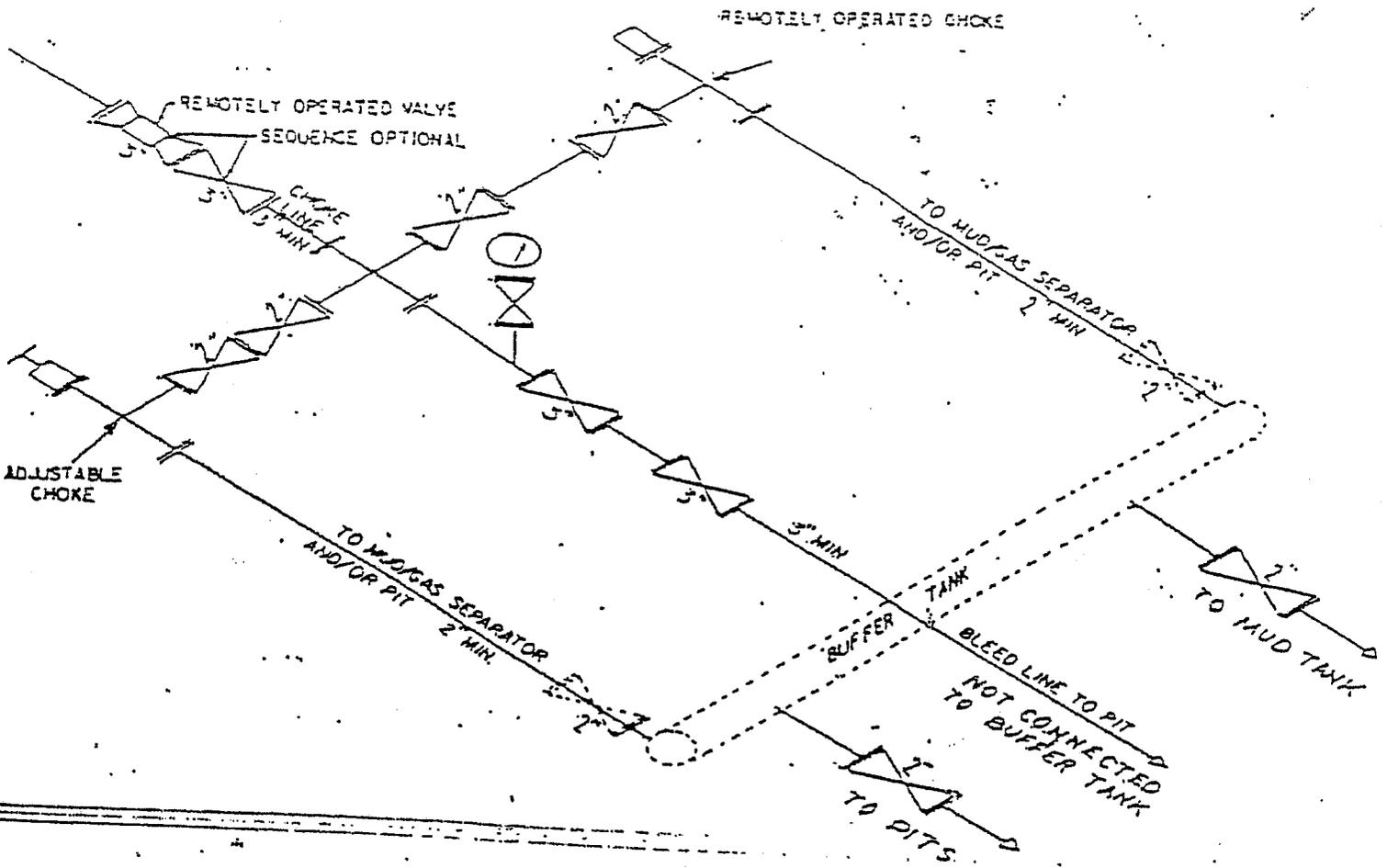
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5522 psi. Maximum anticipated bottom hole temperature is 220° F.

9. Surface Owner

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

DRILLING PROGRAM





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



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

Flat Rock 13P-20-14-20
Flat Rock Field
Uintah County, Utah
United States of America

Multiple String Cement Recommendation

Prepared for: Mr. Jim Davidson
March 14, 2007
Version: 1

Submitted by:
Aaron James
Halliburton Energy Services
1125 17th St Suite 1900
Denver, Colorado 80202
303-899-4717

HALLIBURTON

Cementing Best Practices

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

Job Information

Cement Surface Casing

Flat Rock	13P-20-14-20
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
Casing Grade	H-40
Job Excess	0 %
Mud Type	Air

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)

$$\begin{aligned} 42.00 \text{ ft} * 0.8818 \text{ ft}^3/\text{ft} &= 37.03 \text{ ft}^3 \\ &= 6.60 \text{ bbl} \\ \text{Tail plus shoe joint} &= 731.67 \text{ ft}^3 \\ &= 130.32 \text{ bbl} \\ \text{Total Tail} &= 406 \text{ sks} \end{aligned}$$

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:

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

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

Rockies LT

0.25 lbm/sk Kwik Seal (Lost Circulation Additive)

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

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.80 ft³/sk

Total Mixing Fluid: 9.33 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 130.32 bbl

Calculated Sacks: 406.48 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 Plus - Type III

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

2 % Calcium Chloride (Accelerator)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.41 ft³/sk

Total Mixing Fluid: 6.86 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water	8.3	5.0	20 bbl
2	Cement	Rockies LT Cement	13.5	5.0	410 sks
3	Spacer	Water Displacement	8.3	5.0	71.93 bbl
4	Cement	Top Out Cement	14.5	1.5	200 sks

Job Information

Cement Intermediate Casing

Flat Rock	13P-20-14-20
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
Casing Grade	H-40
Job Excess	0 %
12-1/4" Open Hole	500 - 4400 ft (MD)
Inner Diameter	12.250 in
Job Excess	50 %
9-5/8" Intermediate Casing	0 - 4400 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
Job Excess	0 %
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

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 : (2900.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3765 \text{ ft}^3/\text{ft} * 0 \% &= 188.25 \text{ ft}^3 \\ 2400.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 1127.48 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1315.73 \text{ ft}^3 \\ &= 234.34 \text{ bbl} \\ \text{Sacks of Cement} &= 520 \text{ sks} \end{aligned}$$

Cement : (1000.00 ft fill)

$$\begin{aligned} 1000.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 469.78 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 469.78 \text{ ft}^3 \\ &= 83.67 \text{ bbl} \\ \text{Sacks of Cement} &= 240 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 234.89 \text{ ft}^3 \\ \text{Tail Cement} &= 234.89 \text{ ft}^3 \\ &= 41.84 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 17.88 \text{ ft}^3 \\ &= 3.18 \text{ bbl} \\ \text{Tail plus shoe joint} &= 252.77 \text{ ft}^3 \\ &= 45.02 \text{ bbl} \\ \text{Total Tail} &= 172 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 4400.00 \text{ ft} * 0.4257 \text{ ft}^3/\text{ft} &= 1873.24 \text{ ft}^3 \\ &= 333.64 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 333.64 \text{ bbl} - 3.18 \text{ bbl} \\ &= 330.45 \text{ bbl} \end{aligned}$$

Job Recommendation

Cement Intermediate Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

Super Flush

68 lbm/bbl Halliburton Super Flush (Flush/spacer Additive)

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 % HALAD-766 (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)

Foamed Fluid Weight: 8.5 lbm/gal

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: 2900 ft

Volume: 234.34 bbl

Calculated Sacks: 519.60 sks

Proposed Sacks: 520 sks

Fluid 5: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (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)

Foamed Fluid Weight: 11.0 lbm/gal

Fluid Weight: 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 2900 ft

Calculated Fill: 1000 ft

Volume: 83.67 bbl

Calculated Sacks: 240.16 sks

Proposed Sacks: 250 sks

Fluid 6: Tail Cement

50/50 Poz Premium

0.1 % HALAD-766 (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: 6.39 Gal/sk

Top of Fluid: 3900 ft

Calculated Fill: 500 ft

Volume: 45.02 bbl

Calculated Sacks: 172.07 sks

Proposed Sacks: 180 sks

Fluid 7: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 330.45 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

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	520 sks
5	Cement	11 ppg Foamed Cement	14.3	5.0	250 sks
6	Cement	Unfoamed Tail	14.3	5.0	180 sks
7	Spacer	Displacement	8.3	7.0	330.45 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	135.95bb l	8.5	8.5	23.3	378.8
5	11 ppg Foamed Cement	62.83bbl	11.0	11.0	163.0	233.8

Foam Design Specifications:

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

Calculated Gas = 39736.3 scf
 Additional Gas = 40000 scf
 Total Gas = 79736.3 scf

Job Information

Cement Production Casing

Flat Rock	13P-20-14-20
9-5/8" Intermediate Casing	0 - 4400 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.835 in
Linear Weight	40 lbm/ft
Casing Grade	J-55
Job Excess	0 %
8-1/2" Open Hole	4400 - 12585 ft (MD)
Inner Diameter	8.500 in
Job Excess	40 %
5-1/2" Production Casing	0 - 12585 ft (MD)
Outer Diameter	5.500 in
Inner Diameter	4.892 in
Linear Weight	17 lbm/ft
Casing Grade	P-110
Job Excess	0 %
Mud Type	Water Based Mud
Mud Weight	9.20 lbm/gal
BHST	220 degF
BHCT	180 degF

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 : (8185.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2607 \text{ ft}^3/\text{ft} * 0 \% &= 130.37 \text{ ft}^3 \\ 7685.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 40 \% &= 2464.61 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 2594.99 \text{ ft}^3 \\ &= 462.19 \text{ bbl} \\ \text{Sacks of Cement} &= 1285 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2291 \text{ ft}^3/\text{ft} * 40 \% &= 160.35 \text{ ft}^3 \\ \text{Tail Cement} &= 160.35 \text{ ft}^3 \\ &= 28.56 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 5.48 \text{ ft}^3 \\ &= 0.98 \text{ bbl} \\ \text{Tail plus shoe joint} &= 165.83 \text{ ft}^3 \\ &= 29.54 \text{ bbl} \\ \text{Total Tail} &= 113 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12585.00 \text{ ft} * 0.1305 \text{ ft}^3/\text{ft} &= 1642.68 \text{ ft}^3 \\ &= 292.57 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 292.57 \text{ bbl} - 0.98 \text{ bbl} \\ &= 291.60 \text{ bbl} \end{aligned}$$

Job Recommendation

Cement Production Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

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 % HALAD-766 (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)

Foamed Fluid Weight: 11.0 lbm/gal

Fluid Weight: 14.30 lbm/gal

Slurry Yield: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3900 ft

Calculated Fill: 8185 ft

Volume: 462.19 bbl

Calculated Sacks: 1285.33 sks

Proposed Sacks: 1290 sks

Fluid 5: Tail Cement

50/50 Poz Premium

0.3 % HALAD-766 (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: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 12085 ft

Calculated Fill: 500 ft

Volume: 29.54 bbl

Calculated Sacks: 112.74 sks

Proposed Sacks: 120 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 317.52 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

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	1290 sks
5	Cement	Unfoamed Tail	14.3	5.0	120 sks
6	Spacer	Displacement	8.3	7.0	317.52 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	336.75bb 1	11.0	11.0	211.1	674.8

Foam Design Specifications:

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

Calculated Gas = 153116.7 scf
 Additional Gas = 40000 scf
 Total Gas = 193116.7 scf

QUESTAR EXPLORATION & PRODUCTION, CO.
FR 13P-20-14-20
560' FSL 467' FWL
SWSW SECTION 20, T14S, R20E, SLB&M
UINTAH COUNTY, UTAH
LEASE # UTU-10164

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

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

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

2. **Planned Access Roads:**

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

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

Please refer to Topo Map C.

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

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

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

Fresh water for drilling purposes will be obtained from Willow Creek water #49-2183/ Permit# T75500.

6. **Source of Construction Materials:**

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

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

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

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order #7, all produced water will be contained in tanks on location and then hauled to Wonsits Valley location in SWNW section 12, T8S, R21E; or Red Wash Disposal Well located in NESW, Section 28, T7S, R22E or, Red Wash Central Battery Disposal located in SWSE, Section 27, T7S, R23E. Pit reclamation for lined pit will be ruptured when emptied to allow the remaining liquid to be adequately mixed and to promote additional drying of the pit area.

8. **Ancillary Facilities:**

None anticipated.

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

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

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

A Pit liner is required felt if rock encountered.

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

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

Seed mix # 1

11. **Surface Ownership:**

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

Ute Tribe
P.O. Box 70
Fort Duchesne, UT 84026

12. **Other Information:**

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

Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Questar Exploration & Production, Co.
1571 East 1700 South
Vernal, Utah 84078
(435) 781-4032

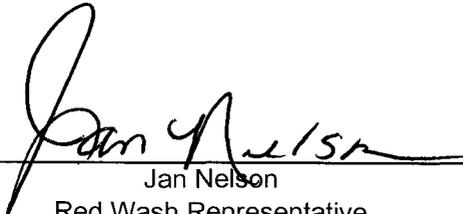
Certification:

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 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 it's 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

17-Apr-07

Date

QUESTAR EXPLR. & PROD.

FR #13P-20-14-20

LOCATED IN UINTAH COUNTY, UTAH
SECTION 20, T14S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- 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

3 30 07
MONTH DAY YEAR

PHOTO

TAKEN BY: D.R.

DRAWN BY: J.L.G.

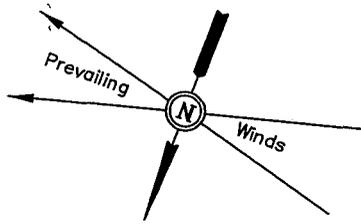
REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

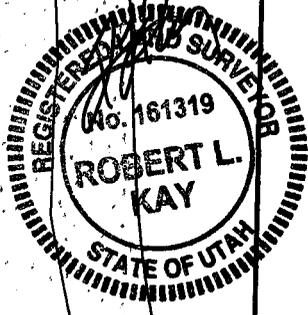
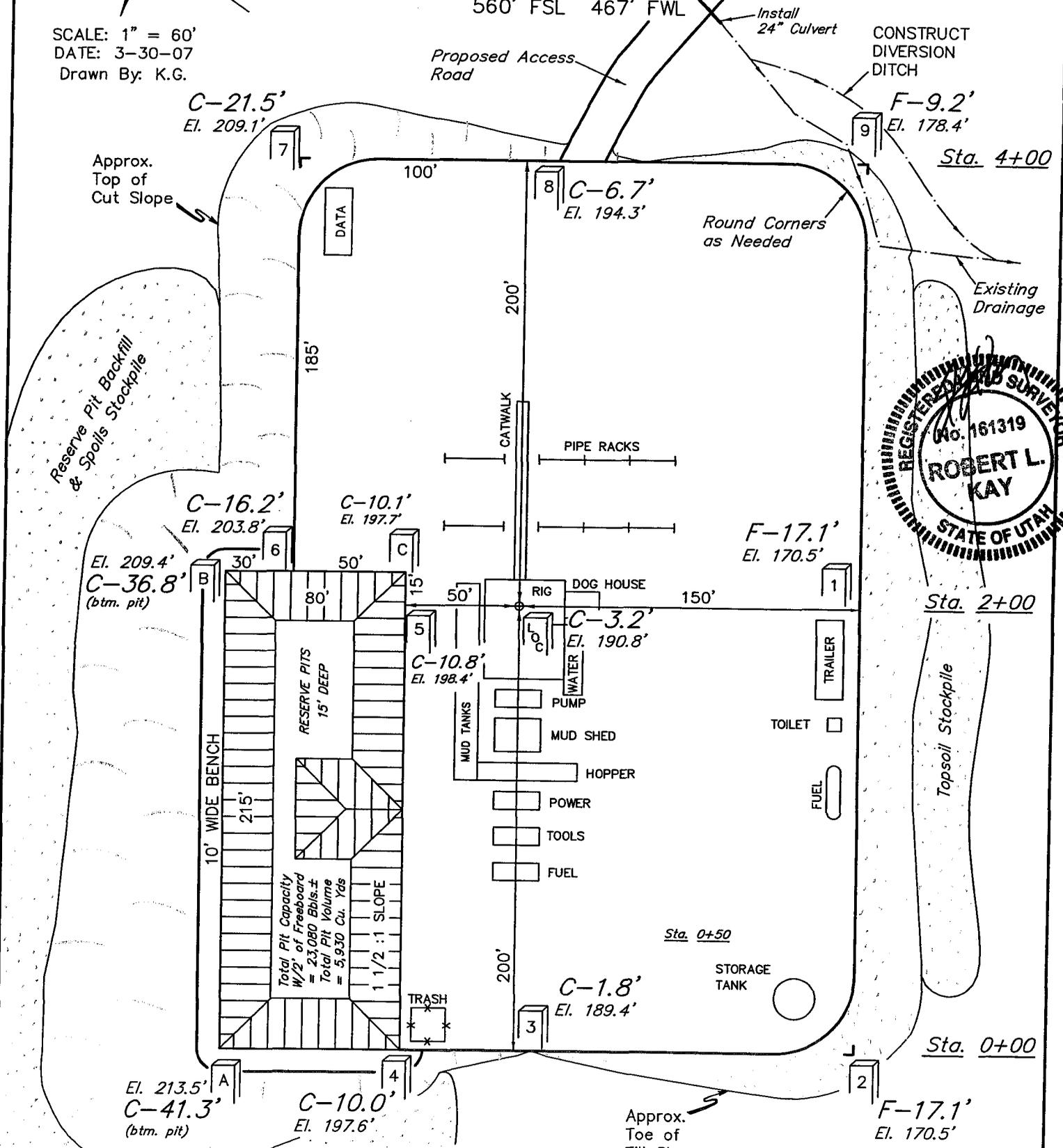
LOCATION LAYOUT FOR

FR #13P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
560' FSL 467' FWL

FIGURE #1



SCALE: 1" = 60'
DATE: 3-30-07
Drawn By: K.G.



Elev. Ungraded Ground at Location Stake = 7190.8'
Elev. Graded Ground at Location Stake = 7187.6'

QUESTAR EXPLR. & PROJ.

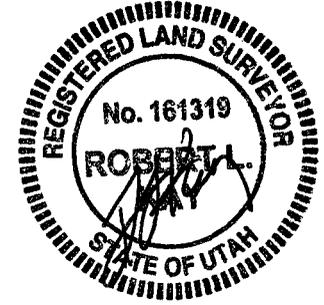
FIGURE #2

TYPICAL CROSS SECTIONS FOR

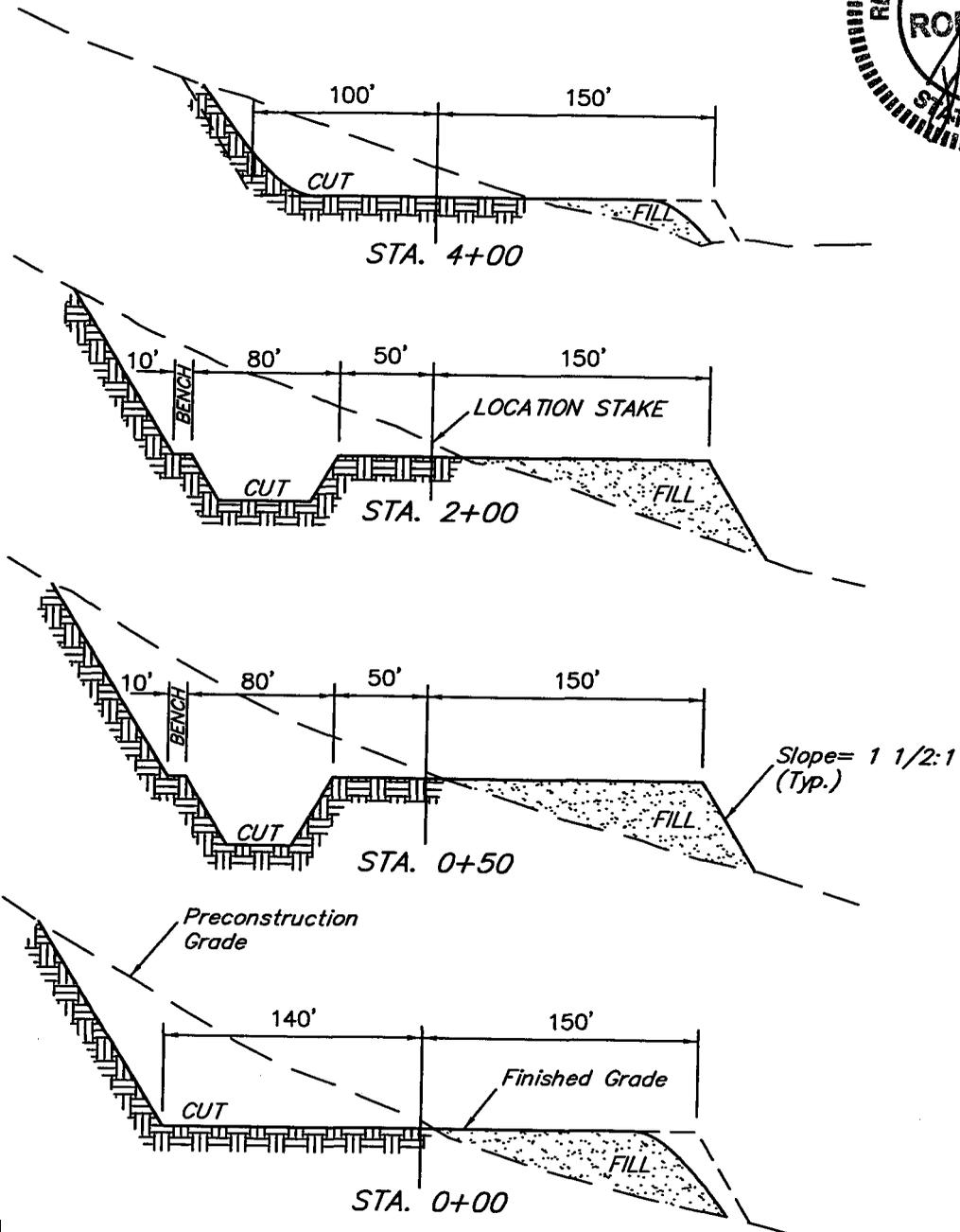
FR #13P-20-14-20

SECTION 20, T14S, R20E, S.L.B.&M.

560' FSL 467' FWL



1" = 40'
X-Section Scale
1" = 100'
DATE: 3-30-07
Drawn By: K.G.



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 6,010 Cu. Yds.
Remaining Location	= 38,810 Cu. Yds.
TOTAL CUT	= 44,820 CU.YDS.
FILL	= 19,980 CU.YDS.

EXCESS MATERIAL	= 24,840 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 8,980 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 15,860 Cu. Yds.

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

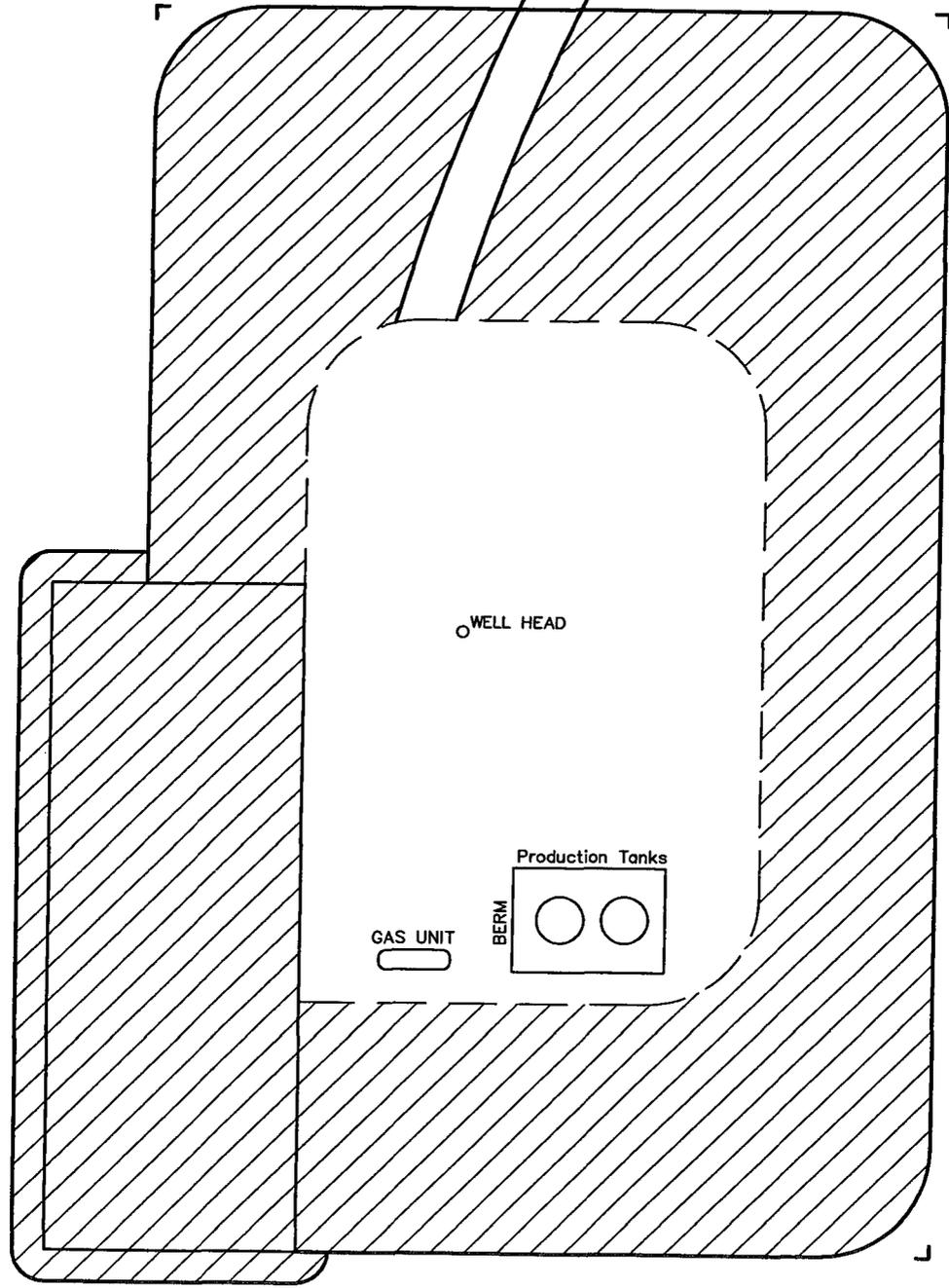
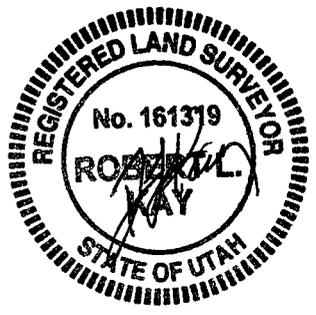
QUESTAR EXPLR. & PROD.
INTERIM RECLAMATION PLAN FOR

FIGURE #3

FR #13P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
560' FSL 467' FWL



SCALE: 1" = 60'
DATE: 3-30-07
Drawn By: K.G.



 INTERIM RECLAMATION

R 19
E
R 20
E

**PROPOSED LOCATION:
FR #13P-20-14-20**

PROPOSED ACCESS 0.8 MI. +/-

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

T14S

LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

QUESTAR EXPLR. & PROD.

**FR #13P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
560' FSL 467' FWL**



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



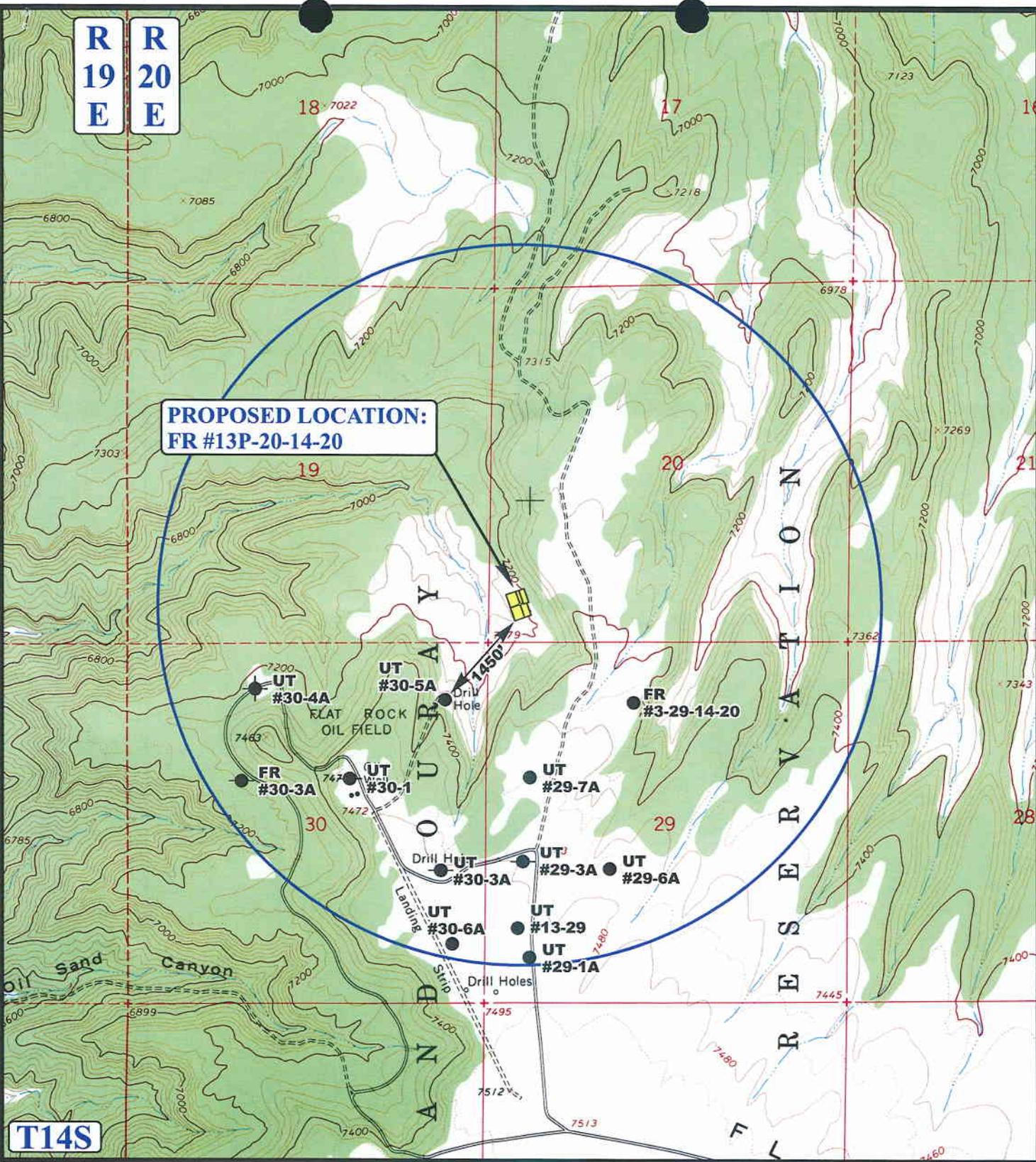
TOPOGRAPHIC MAP 3 30 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

**B
TOPO**

R 19
E

R 20
E

**PROPOSED LOCATION:
FR #13P-20-14-20**



T14S

LEGEND:

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

QUESTAR EXPLR. & PROD.

**FR #13P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
560' FSL 467' FWL**

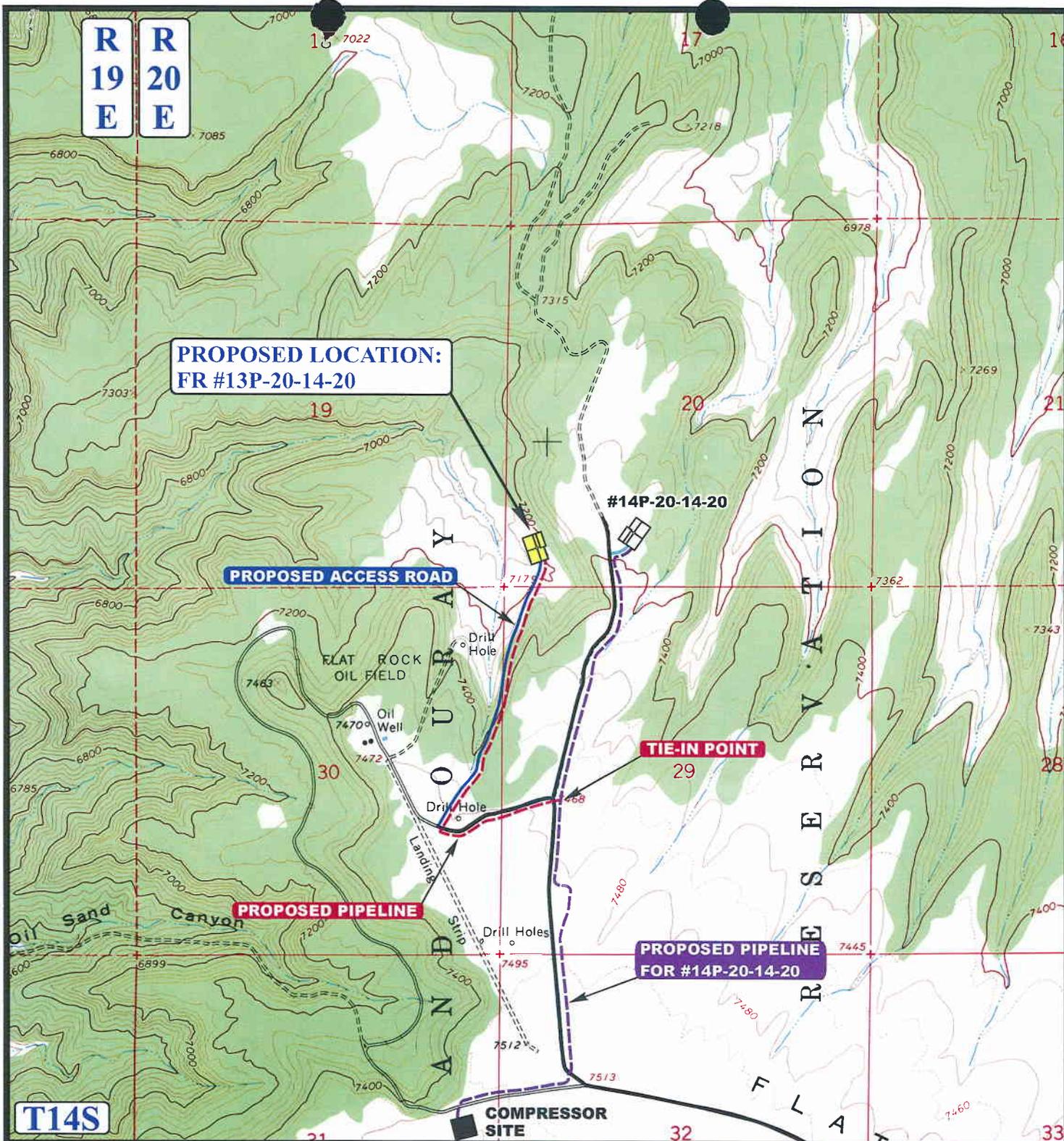


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TOPOGRAPHIC MAP 3 30 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 5,949' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

QUESTAR EXPLR. & PROD.

FR #13P-20-14-20
SECTION 20, T14S, R20E, S.L.B.&M.
560' FSL 467' FWL



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

TOPOGRAPHIC MAP **3 30 07**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

D
 TOPO

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/20/2007

API NO. ASSIGNED: 43-047-39226

WELL NAME: FR 13P-²⁰~~12~~-14-20

OPERATOR: QUESTAR EXPLORATION & (N5085)

PHONE NUMBER: 435-781-4032

CONTACT: JAN NELSON

PROPOSED LOCATION:

SWSW 20 140S 200E
 SURFACE: 0560 FSL 0467 FWL
 BOTTOM: 0560 FSL 0467 FWL
 COUNTY: Uintah
 LATITUDE: 39.57909 LONGITUDE: -109.7089
 UTM SURF EASTINGS: 610889 NORTHINGS: 4381629
 FIELD NAME: UNDESIGNATED (2)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-10164

PROPOSED FORMATION: WINGT

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 49-2183)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: _____

STIPULATIONS: _____

1- Federal Approval
2- Spacing Slip

T14S R20E

20

FR 13P-12-14-20

FR 14P-20-14-20

FLAT ROCK FIELD

UTE TRIBAL
30-5A *

DEL-RIO/ORION
29-10ADJP x

FLAT ROCK
3-29-14-20

OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 20 T.14S R. 20E

FIELD: UNDESIGNATED (002)

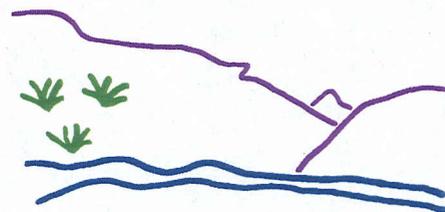
COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 27-APRIL-2007



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

July 16, 2007

Questar Exploration & Production, Co.
1571 E 1700 S
Vernal, UT 84078

Re: FR 13P-20-14-20 Well, 560' FSL, 467' FWL, SW SW, Sec. 20, T. 14 South, R. 20 East,
Uintah County, Utah

Gentlemen:

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

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 43-047-39226.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Questar Exploration & Production, Co.

Well Name & Number FR 13P-20-14-20

API Number: 43-047-39226

Lease: UTU-10164

Location: SW SW Sec. 20 T. 14 South R. 20 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

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

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

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
SUBMIT IN TRIPLICATE

2007 APR 18 PM 3:00

FORM APPROVED
OMB NO. 1040-0138
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-10164
TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS 1571 E 1700 S VERNAL, UT 84078		8. FARM OR LEASE NAME, WELL NO. FR 13P-20-14-20
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 560' FSL 467' FWL SWSW SECTION 20, T14S, R20E At proposed production zone		9. API NUMBER: 431047139226
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 53+/- MILES FROM OURAY, UTAH		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drlg, unit line if any) 467' +/-	16. NO. OF ACRES IN LEASE 1760.00	11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 20, T14S, R20E Mer SLB
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 1450' +/-	19. PROPOSED DEPTH 12,585'	12. COUNTY OR PARISH Uintah
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7187.6' GR	22. DATE WORK WILL START ASAP	13. STATE UT
24. Attachments		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
		20. BLM/BIA Bond No. on file ESB000024
		23. Estimated duration 20 Days

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

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

SIGNED Jan Nelson Name (printed/typed) Jan Nelson

DATE 4-18-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Assistant Field Manager
Lands & Mineral Resources

DATE 7-16-2007

*See Instructions On Reverse Side

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

VERNAL FIELD OFFICE

RECEIVED
JUL 23 2007

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

CONFIDENTIAL

NOTICE OF APPROVAL

UDOGM

No NOS

07CXSD161A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Questar Exploration & Production, Co.	Location:	SWSW, Sec. 20, T14S, R20E
Well No:	FR 13P-20-14-20	Lease No:	UTU-10164
API No:	43-047-39226	Agreement:	N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Vacant	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

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

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

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

Surface COAs:

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

General Conditions of Approval

- A 30 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- An approved Sundry Notice is required before adding any oil to the drilling mud.
- A formation integrity test shall be performed at the intermediate casing shoe after drilling 20 feet or less.
- The intermediate casing shall be cemented to surface.
- The top of the production casing cement shall extend a minimum of 200 feet above the intermediate casing shoe.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

OPERATING REQUIREMENT REMINDERS:

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.
UT10164

6. If Indian, Allottee or Tribe Name

UTE TRIBE

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

WONSITS VALLEY UNIT

FR 13P-20-14-20

9. API Well No.

43-047-39226

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

Uintah

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

QUESTAR EXPLORATION & PRODUCTION, CO.

3a. Address

11002 East 17500 South, Vernal, UT 84078

3b. Phone No. (include area code)

435-781-4331

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560' FSL 467' FWL SWSW SECTION 20, T14S, R20E

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

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

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

Questar Exploration & Production, Co. proposes to change the casing and cement program from what was originally approved. Please refer to revised 8-point drilling plan, cement and casing depth.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

For technical questions please contact Jim Davidson, Chief Drilling Engineer @ 303-308-3090.

RECEIVED

JAN 17 2008

DIV. OF OIL, GAS & MINING

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

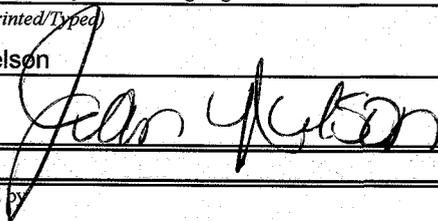
Name (Printed/Typed)

Jan Nelson

Title

Regulatory Affairs

Signature



Date

January 15, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

CONFIDENTIAL

ONSHORE OIL & GAS ORDER NO. 1
 QUESTAR EXPLORATION & PRODUCTION COMPANY
 FLAT ROCK 13P-20-14-20

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	Sfc	Sfc	
Wasatch	2018	2018	
Mesa Verde	4012	4012	Gas
Castlegate	6040	6040	
Mancos	6800	6800	
Dakota Silt	10,389	10,389	
Dakota	10,425	10,425	Gas
Cedar Mountain	10,560	10,560	
Morrison	10,755	10,755	
Curtis	11,307	11,307	
Entrada	11,405	11,405	Gas
Carmel	11,723	11,723	
Wingate	11,893	11,893	Gas
TD	12,385	12,385	

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>
Gas	Mesa Verde	4,012'	4,012'
Gas	Dakota	10,425'	10,425'
Gas	Entrada	11,405'	11,405'
Gas	Wingate	11,893'	11,893'

ONSHORE OIL & GAS ORDER NO. 1
 QUESTAR EXPLORATION & PRODUCTION COMPANY
 FLAT ROCK 13P-20-14-20

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

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

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

3. Operator's Specification for Pressure Control Equipment:

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

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	500'	14 3/4"	10 3/4"	J-55	40.5lb/ft (new)
Intermediate	4000'	9-7/8"	7 5/8"	P-110	29.7lb/ft (new)
Production	TD	6 1/2"	4 1/2"	P-110	13.5lb/ft(new)

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
FLAT ROCK 13P-20-14-20

5. Auxiliary Equipment

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

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. The intermediate hole will be drilled with air, air – mist, and ultimately aerated mud to control water zones.

Drilling below the intermediate 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

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
FLAT ROCK 13P-20-14-20

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

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

7. Cementing Program

See attached Cementing Recommendation.

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

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No 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 5522 psi. Maximum anticipated bottom hole temperature is 220° F.

9. Surface Owner

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



Q E P

**1050 17th Street, Ste 500-
Denver, Colorado 80265**

Flat Rock 13P-20-14-20
Flat Rock Field
Uintah County, Utah
United States of America

Cementing Recommendation

Prepared for: Mr. Jim Davidson
Office Number: 303-308-3090
January 14, 2008
Version: 151946-1

Submitted by:
Aaron James
Halliburton
1125 17th St Suite 1900
Denver, Colorado 80202
303.899.4717

HALLIBURTON

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.

Remember the Basics of Cementing:

- Annular Energy
- Mud Properties (PV, YP, FL, GS)
- Spacers / Flushes
- Pipe Centralization
- Plug System
- Communication

Prepared by: _____
Sally Hourigan
Proposal Specialist

Submitted by: _____
Aaron James
Technical Advisor

SERVICE CENTER:
SERVICE COORDINATOR:
PSL DISTRICT MANAGER:
CEMENT ENGINEERS:

Vernal, UT
Willis Lefevre
Lex Cook
Doug Harding/Kyle Scott
Tyler Anderson/Chris Cicirello

PHONE NUMBER:

435-789-2550

Cementing Best Practices

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

Job Information

Cement Surface Casing

Flat Rock	13P-20-14-20
14-3/4" Surface Open Hole	0 - 500 ft (MD) 0 - 500 ft (TVD)
Inner Diameter	14.750 in
Job Excess	100 %
10-3/4" Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	10.750 in
Inner Diameter	10.050 in
Linear Weight	40.50 lbm/ft
Casing Grade	J-55
Mud Type	Air

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)

$$\begin{aligned} 500.00 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 100 \% &= 556.32 \text{ ft}^3 \\ \text{Primary Cement} &= 556.32 \text{ ft}^3 \\ &= 99.09 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.5509 \text{ ft}^3/\text{ft} &= 23.14 \text{ ft}^3 \\ &= 4.12 \text{ bbl} \end{aligned}$$

$$\begin{aligned} \text{Tail plus shoe joint} &= 579.46 \text{ ft}^3 \\ &= 103.21 \text{ bbl} \end{aligned}$$

$$\begin{aligned} \text{Total Tail} &= 334 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 500.00 \text{ ft} * 0.5509 \text{ ft}^3/\text{ft} &= 275.44 \text{ ft}^3 \\ &= 49.06 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 49.06 \text{ bbl} - 4.12 \text{ bbl} \\ &= 44.94 \text{ bbl} \end{aligned}$$

Job Recommendation

Cement Surface Casing

Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

VARICEM CEMENT

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

2 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.73 ft³/sk

Total Mixing Fluid: 8.38 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 500 ft

Volume: 103.21 bbl

Calculated Sacks: 334.18 sks

Proposed Sacks: 340 sks

Fluid 3: Water Spacer

Water Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 44.94 bbl

Fluid 4: Top Out Cement

Premium Plus - Type III

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

2 % Calcium Chloride (Accelerator)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.41 ft³/sk

Total Mixing Fluid: 6.86 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water	8.3	5.0	20 bbl
2	Cement	VariCem	13.5	5.0	340 sks
3	Spacer	Water Displacement	8.3	5.0	44.94 bbl
4	Cement	Top Out Cement	14.5	1.5	200 sks

Job Information

Cement Intermediate Casing

Flat Rock	13P-20-14-20
10-3/4" Surface Casing	0 - 500 ft (MD) 0 - 500 ft (TVD)
Outer Diameter	10.750 in
Inner Diameter	10.050 in
Linear Weight	40.50 lbm/ft
Casing Grade	J-55
9-7/8" Intermediate Open Hole	500 - 4000 ft (MD)
Inner Diameter	9.875 in
Job Excess	50 %
7-5/8" Intermediate Casing	0 - 4000 ft (MD)
Outer Diameter	7.625 in
Inner Diameter	6.875 in
Linear Weight	29.70 lbm/ft
Casing Grade	P-110
Mud Type	Aerated
Mud Weight	8.40 lbm/gal
BHCT	95 degF

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Calculations

Cement Intermediate Casing

Spacer:		
Total Spacer	= 56.15 ft ³	
	= 10.00 bbl	
Spacer:		
Total Spacer	= 112.29 ft ³	
	= 20.00 bbl	
Spacer:		
Total Spacer	= 56.15 ft ³	
	= 10.00 bbl	
Cement : (2200.00 ft fill)		
500.00 ft * 0.2338 ft ³ /ft * 0 %	= 116.89 ft ³	
1700.00 ft * 0.2148 ft ³ /ft * 50 %	= 547.63 ft ³	
Total Foamed Lead Cement	= 664.52 ft ³	
	= 118.36 bbl	
Sacks of Cement	= 264 sks	
Cement : (1300.00 ft fill)		
1300.00 ft * 0.2148 ft ³ /ft * 50 %	= 418.78 ft ³	
Total Foamed Lead Cement	= 418.78 ft ³	
	= 74.59 bbl	
Sacks of Cement	= 215 sks	
Cement : (500.00 ft fill)		
500.00 ft * 0.2148 ft ³ /ft * 50 %	= 161.07 ft ³	
Tail Cement	= 161.07 ft ³	
	= 28.69 bbl	
Shoe Joint Volume: (42.00 ft fill)		
42.00 ft * 0.2578 ft ³ /ft	= 10.83 ft ³	
	= 1.93 bbl	
Tail plus shoe joint	= 171.90 ft ³	
	= 30.62 bbl	
Total Tail	= 117 sks	
Total Pipe Capacity:		
4000.00 ft * 0.2578 ft ³ /ft	= 1031.18 ft ³	
	= 183.66 bbl	
Displacement Volume to Shoe Joint:		
Capacity of Pipe - Shoe Joint	= 183.66 bbl - 1.93 bbl	
	= 181.73 bbl	

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 % HALAD-766 (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: 6.39 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 2200 ft
Volume: 118.36 bbl
Calculated Sacks: 263.74 sks
Proposed Sacks: 270 sks

Fluid 5: Foamed Lead Cement

50/50 Poz Premium

0.1 % HALAD-766 (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: 6.39 Gal/sk
Top of Fluid: 2200 ft
Calculated Fill: 1300 ft
Volume: 74.59 bbl
Calculated Sacks: 214.80 sks
Proposed Sacks: 220 sks

Fluid 6: Tail Cement

50/50 Poz Premium

0.1 % HALAD-766 (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: 6.39 Gal/sk
Top of Fluid: 3500 ft
Calculated Fill: 500 ft
Volume: 30.62 bbl
Calculated Sacks: 117.02 sks
Proposed Sacks: 120 sks

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Fluid 7: Water Spacer
Displacement

Fluid Density: 8.34 lbm/gal
Fluid Volume: 307.70 bbl

Fluid 8: Cap Cement
Premium Cement

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

Fluid Weight 14.60 lbm/gal
Slurry Yield: 1.55 ft³/sk
Total Mixing Fluid: 7.35 Gal/sk
Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water 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	270 sks
5	Cement	11 ppg Foamed Cement	14.3	5.0	220 sks
6	Cement	Unfoamed Tail	14.3	5.0	120 sks
7	Spacer	Displacement	8.3	7.0	307.70 bbl
8	Cement	Cap Cement	14.6	1.5	200 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	8.5 ppg Foamed Cement	69.00bbl	8.5	8.5	23.3	288.1
5	11 ppg Foamed Cement	56.20bbl	11.0	11.0	124.8	216.7

Foam Design Specifications:

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

Calculated Gas = 20559.4 scf
Additional Gas = 40000 scf
Total Gas = 60559.4 scf

Job Information

Cement Production Casing

Flat Rock 13P-20-14-20

10-3/4" Surface Casing 0 - 500 ft (MD)
0 - 500 ft (TVD)
Outer Diameter 10.750 in
Inner Diameter 10.050 in
Linear Weight 40.50 lbm/ft
Casing Grade J-55

7-5/8" Intermediate Casing 0 - 3600 ft (MD)
Outer Diameter 7.625 in
Inner Diameter 6.875 in
Linear Weight 29.70 lbm/ft
Casing Grade P-110

6-1/2" Production Open Hole 3600 - 12454 ft (MD)
Inner Diameter 6.500 in
Job Excess 40 %

4-1/2" Production Casing 0 - 12454 ft (MD)
Outer Diameter 4.500 in
Inner Diameter 3.920 in
Linear Weight 13.50 lbm/ft
Casing Grade P-110

Mud Type Water Based Mud
Mud Weight 9.50 lbm/gal
BHST 210 degF
BHCT 180 degF

Calculations

Cement Production Casing

Spacer:

$$\begin{aligned} 381.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 56.14 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 762.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 112.28 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 381.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 56.14 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (8954.00 ft fill)

$$\begin{aligned} 600.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 88.41 \text{ ft}^3 \\ 8354.00 \text{ ft} * 0.12 \text{ ft}^3/\text{ft} * 40 \% &= 1403.37 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1491.78 \text{ ft}^3 \\ &= 265.70 \text{ bbl} \\ \text{Sacks of Cement} &= 741 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.12 \text{ ft}^3/\text{ft} * 40 \% &= 83.99 \text{ ft}^3 \\ \text{Tail Cement} &= 83.99 \text{ ft}^3 \\ &= 14.96 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.52 \text{ ft}^3 \\ &= 0.63 \text{ bbl} \\ \text{Tail plus shoe joint} &= 87.51 \text{ ft}^3 \\ &= 15.59 \text{ bbl} \\ \text{Total Tail} &= 59 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12454.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1043.78 \text{ ft}^3 \\ &= 185.90 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 185.90 \text{ bbl} - 0.63 \text{ bbl} \\ &= 185.28 \text{ bbl} \end{aligned}$$

Job Recommendation

Cement Production Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Ahead

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

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 % HALAD-766 (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: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 3000 ft

Calculated Fill:

Volume: 265.70 bbl

Calculated Sacks: 740.64 sks

Proposed Sacks: 750 sks

Fluid 5: Tail Cement

50/50 Poz Premium

0.3 % HALAD-766 (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: 1.47 ft³/sk

Total Mixing Fluid: 6.39 Gal/sk

Top of Fluid: 11954 ft

Calculated Fill:

Volume: 15.59 bbl

Calculated Sacks: 59.49 sks

Proposed Sacks: 60 sks

Fluid 6: Water Spacer

Displacement

Fluid Density: 8.34 lbm/gal

Fluid Volume: 185.28 bbl

Fluid 7: Cap Cement

Premium Cement

94 lbm/sk Premium Cement (Cement)

12 % Cal-Seal 60 (Accelerator)

3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal

Slurry Yield: 1.55 ft³/sk

Total Mixing Fluid: 7.35 Gal/sk

Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water 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	750 sks
5	Cement	Unfoamed Tail	14.3	5.0	60 sks
6	Spacer	Displacement	8.3	7.0	185.28 bbl
7	Cement	Cap Cement	14.6	1.5	200 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Foamed Lead	194.04bb 1	11.0	11.0	164.5	680.2

Foam Design Specifications:

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

Calculated Gas = 84302.3 scf
 Additional Gas = 40000 scf
 Total Gas = 124302.3 scf

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Conditions

NOTE

In order to meet your needs under this Agreement (*Proposal*) with a high quality of service and responsive timing, Halliburton will be allocating limited resources and committing valuable equipment and materials to your area of operations. Accordingly, the discounts reflected in this Agreement (*Proposal*) are available only for products and services awarded on a first-call basis. As set forth below, alternate pricing will apply in the event that Halliburton is awarded work on any basis other than as a first-call provider.

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

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

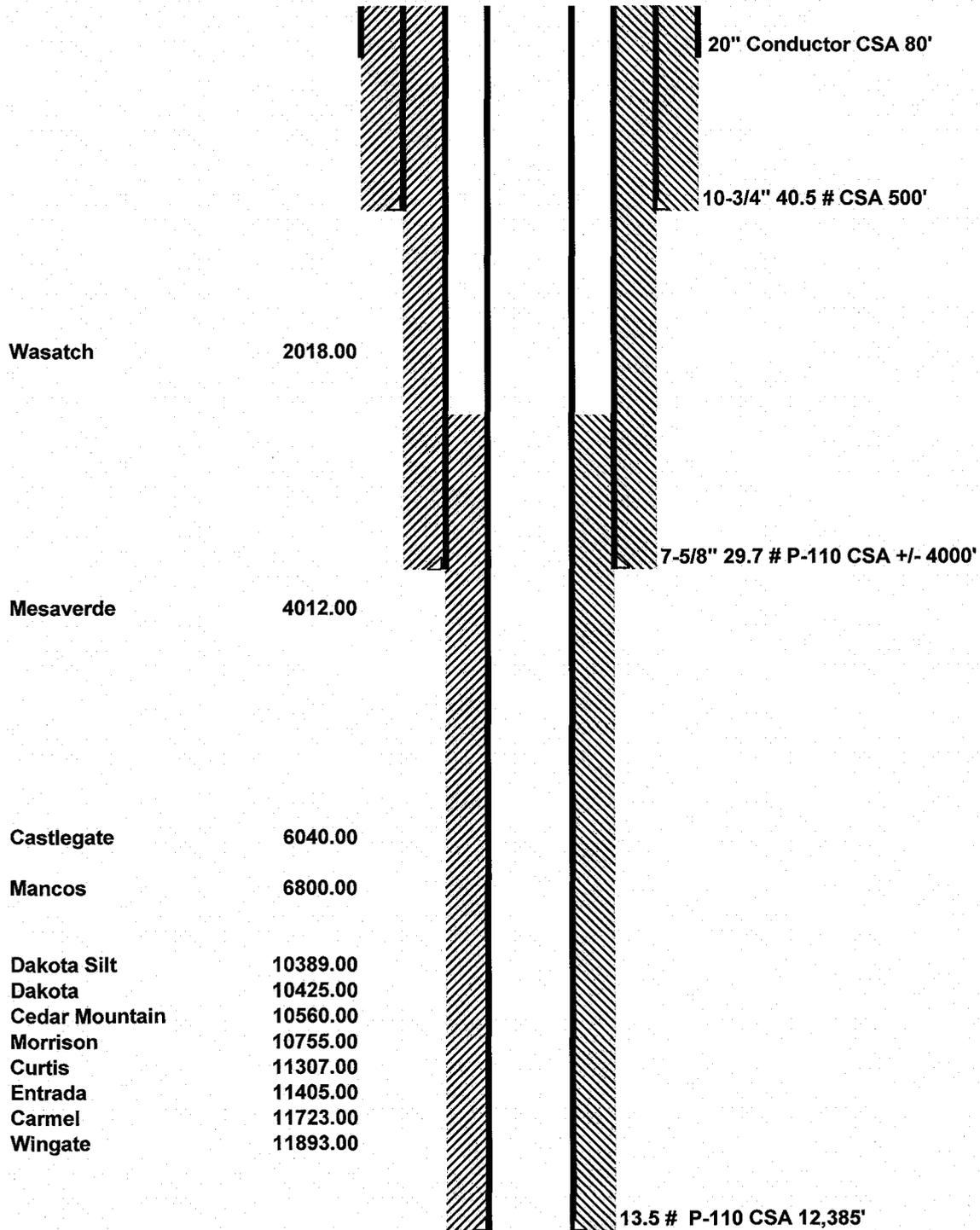
http://www.halliburton.com/hes/general_terms_conditions.pdf for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to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

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

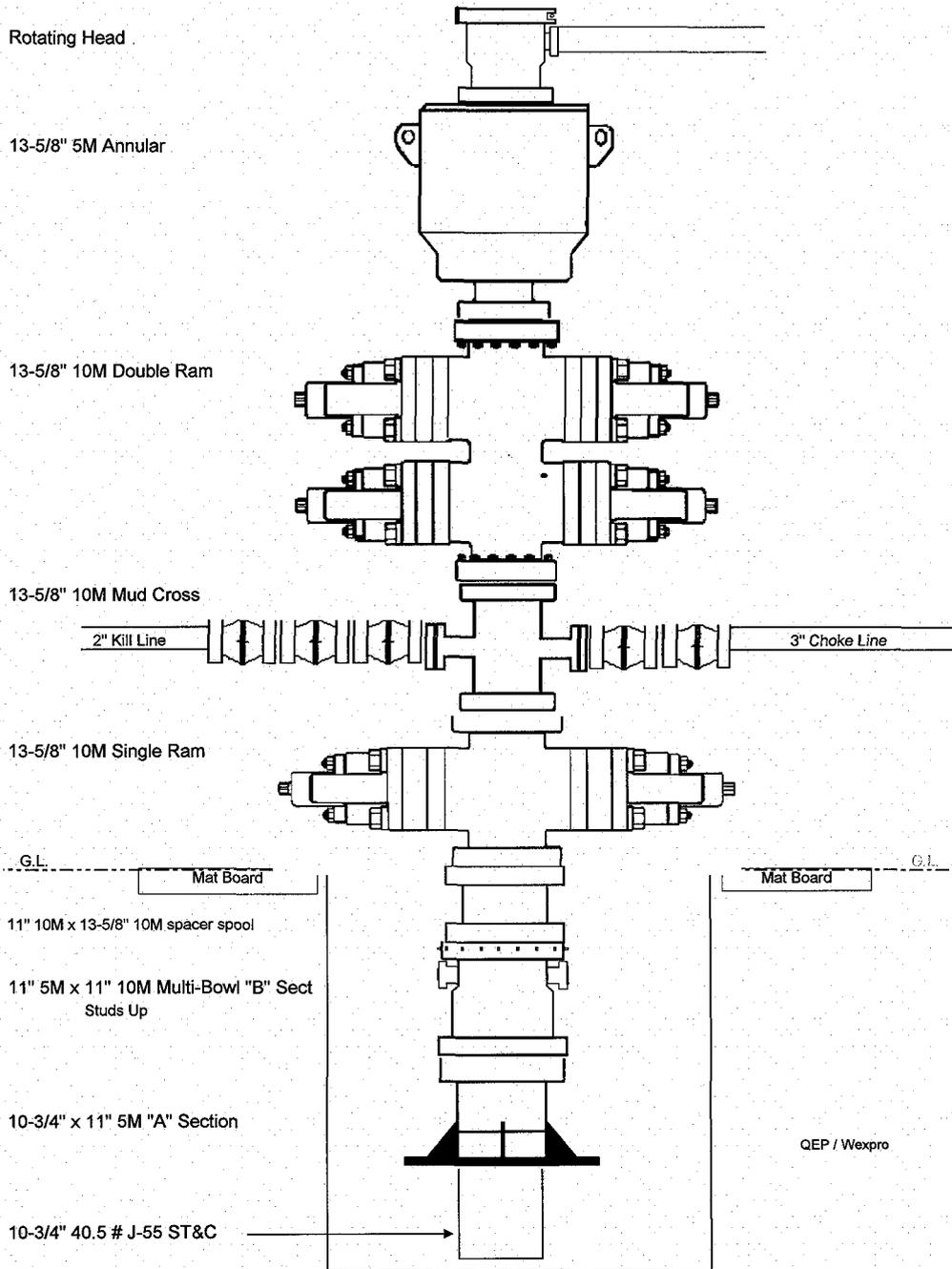
If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products,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

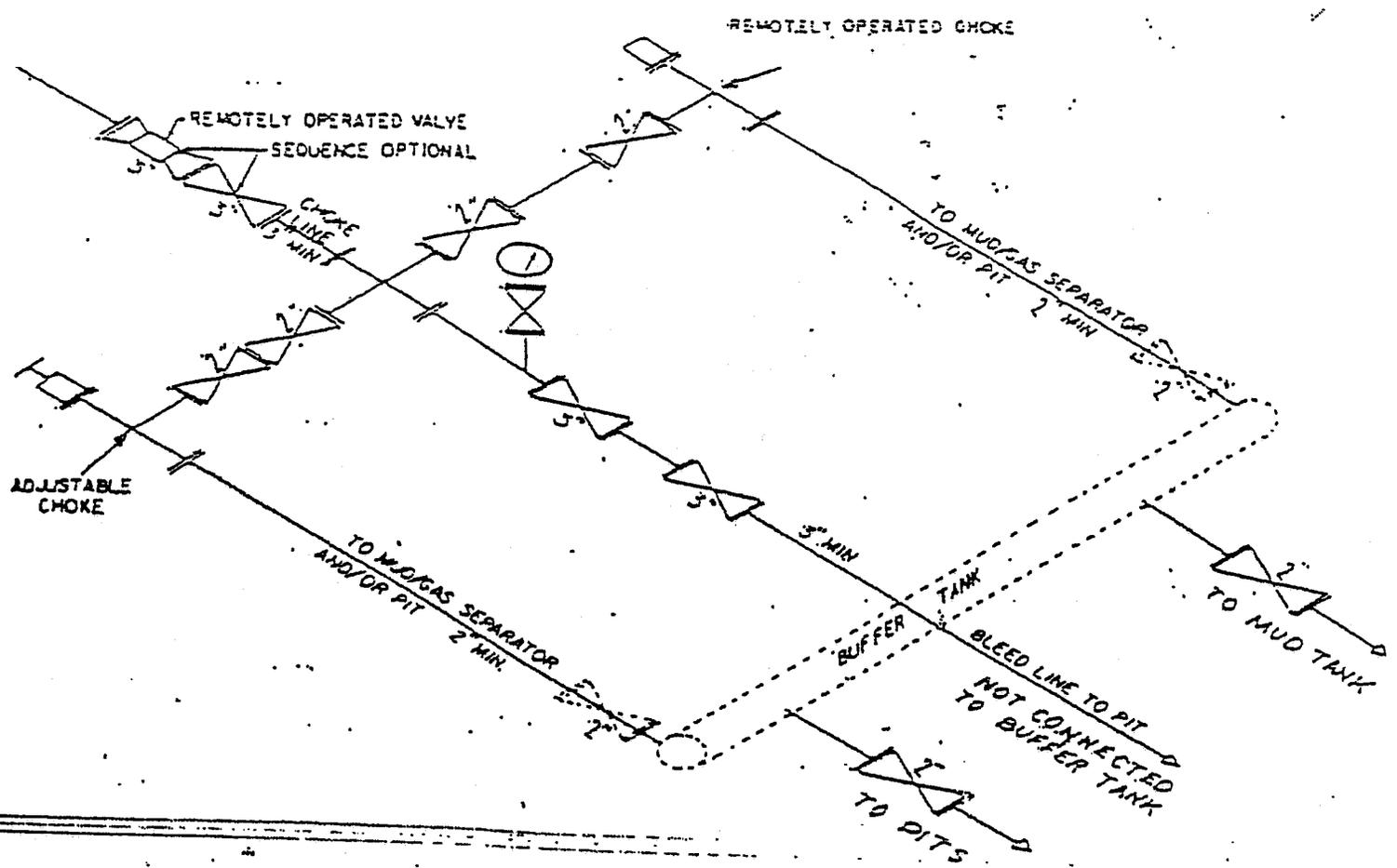
Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, customer agrees to pay attorney fees of 20% of the unpaid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

Flat Rock 13P-20-14-20



BOP Requirements:





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

[FR Doc. 88-26738 Filed 11-17-88; 2:45 am]
WELLING CODE 4310-M-C

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DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: QUESTAR EXPLORATION & PRODUCTION CO

Well Name: FR 13P-20-14-20

Api No: 43-047-39226 Lease Type: FEDERAL

Section 20 Township 14S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 02/16/ 08

Time 10:30 AM

How DRY

Drilling will Commence: _____

Reported by RAYMOND PALLESEN

Telephone # (435) 828-7977

Date 02/19/08 Signed CHD

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

SUBMIT IN TRIPLICATE

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1. Type of Well

Oil

Gas

Well Well Other

2. Name of Operator

QUESTAR EXPLORATION & PRODUCTION CO.

3. Address and Telephone No.

11002 EAST 17500 SOUTH - VERNAL, UT 84078

Contact: **Dahn.Caldwell@questar.com**

435-781-4342 Fax 435-781-4357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

560' FSL, 467' FWL, SWSW, SEC 20-T14S-R20E

5. Lease Designation and Serial No.

UTU-10164

6. If Indian, Allottee or Tribe Name

UTE TRIBE

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FR 13P 20 14 20

9. API Well No.

43-047-39226

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other SPUD

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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 2/16/08 - Drilled 90' of 34" conductor hole. Set 90' of 20" conductor pipe. Cmtd w/ Ready Mix.

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

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

Signed **Dahn F. Caldwell**

Office Administrator II

Date

2/19/08

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

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

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OPERATOR: **Questar Exploration & Production Co.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078 (435)781-4342

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	16719	43-047-39226	FR 13P 20 14 20	SWSW	20	14S	20E	Uintah	2/16/08	2/28/08

WELL 1 COMMENTS: *WINGT*

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WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

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- 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)

John F Caldwell
Signature
Office Administrator II 2/19/08
Title Date

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

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

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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.
UTU-10164

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
FR 13P-20-14-20

9. API Well No.
43-047-39226

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 Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION COMPANY

3. Address and Telephone No. **Contact: Mike Stahl**
11002 E. 17500 S. VERNAL, UT 84078-8526 Phone: **(303) 308-3613**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
560' FSL 467' FWL, SWSW, SECTION 20, T14S, R20E

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

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

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

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

"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the FR 13P-20-14-20. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams. Questar requests approval for the commingling of production in the Entrada formation. Based upon offset production logs, the proposed initial allocation is as follows: Entrada - 100%.

After the well has produced for a period of 6 to 9 months, Questar shall prepare and submit to the BLM, for approval, a paying well determination. If the paying well determination is approved by the BLM, Questar will then submit an application for the formation (or expansion if necessary) of a single Participating area covering the Wasatch, Mancos and Dakota formations.

A production log will be run within 30 days to determine contribution from each interval. At that time a Subsequent Report will be filed detailing the results of the production log.

On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.

14. I hereby certify that the foregoing is true and correct
Signed *Naama Bills* Title Associate Regulatory Affairs Analyst Date 05/06/2008

(This space for Federal or State office use)
Approved by: _____ Title Accepted by the Utah Division of Oil, Gas and Mining Date _____
Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowing 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.

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For Record Only
**See instruction on Reverse Side multiple Formations will require a new Survey*

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**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of *drillstem* test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: QUESTAR EXPLORATION & PRODUCTION CO Today's Date: 06/27/2008

Well: 43 0A7 39226 API Number: Drilling Commenced:
FR 13P-20-1A-20
14S 20E 20

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

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

If you have questions or concerns regarding this matter, please contact Rachel Medina
at (801) 538-5260.

cc: Well File
Compliance File

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

ATTACHMENT

Operator: QUESTAR EXPLORATION & PRODUCTION CO

Today's Date: 06/27/2008

Well:	API Number:	Drilling Commenced:
TU 3-35-7-21	4304738995	11/06/2007
WV 11AD-14-8-21	4304738049	11/17/2007
NBE 8BD-26-9-23	4304739351	12/27/2007
NBE 10CD-17-9-23	4304739349	01/09/2008
CWU 16D-32-8-24	4304737278	01/10/2008
RWS 8D-5-9-24	4304737307	01/11/2008
RWS 14D-5-9-24	4304737310	01/11/2008
NBZ 11D-29-8-27	4304737240	01/13/2008
NBZ 5D-29-8-24	4304737241	01/13/2008
NBZ 4D-30-8-24	4304737229	01/14/2008
NBZ 12D-30-8-24	4304737233	01/14/2008
SCS 10C-16-15-19	4304739683	01/15/2008
WRU EIH 4AD-25-8-22	4304738636	01/21/2008
RW 04-25B	4304736982	02/05/2008
NBZ 15ML-29-8-24	4304737246	02/06/2008
RWS 16ML-5-9-24	4304737311	02/06/2008
NBZ 10ML-30-8-24	4304737232	02/07/2008
NBZ 14ML-30-8-24	4304737234	02/07/2008
FR 13P-20-14-20	4304739226	02/16/2008

43-047-39226
20 HS 20e

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QUESTAR

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Start: 4/21/2008
 End:
 Rig Release:
 Group:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/22/2008	06:00 - 16:00	10.00	WOT	4	C-OTH	"TIGHT HOLE": Project: Completion of well On 4/21/08 move out Basin Well Service to Flat Rock while remaining off location while waiting on facilities. Report discontinued until further activity. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'
4/24/2008	06:00 - 16:00	10.00	WOT	3	C-OTH	"TIGHT HOLE": Project: Completion of well On 4/23/08 MI Basin Well Service and related equipment. Could not rig up due to wind. On 4/24/08 will RU and run a gauge ring and CBL/VDL, pressure test and perforate initial zone if all plans go well. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'
4/25/2008	06:00 - 16:00	10.00	LOG	2	C-OTH	"TIGHT HOLE": Project: Completion of well On 4/24/08 RU Basin Well Service. MIRU Cased Hole Solutions and ran a gauge ring for 4-1/2" 13.5# csg. from surface to tag at 12115'. Run a CBL/VDL/GR log from 12105' to 3800' with top of cement est. at 4350'. Correlated to the Schlumberger Platform Express log dated 4/3/08 (run #1). Attempt to pressure test csg and all surface equipment and had pump problems with testing unit. SDFN. Prior to dring wireline work had nipped down the WH and NU 7" 10M# BOP stack. On 4/25/08 will attempt to re-test csg. and surface equipment and flowback manifold and perforate and start in hole with packer and tbg... Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'
4/28/2008	06:00 - 16:00	10.00	BOP	2	C-OTH	"TIGHT HOLE": Project: Completion of well On 4/25/08 SICP=0#. RU Quick Test and test csg., BOP stack and flow back manifold and all related equipment to 9000# and OK. RDMO Quick Test. RU Cased Hole Solutions and perforate the following Keyente interval at 3 JPF using a 3-1/8" csg. gun and 120° phasing 11830-40' (30 holes) per the CBL log dated 4/24/08. Csg. went on a slight vacuum after perforating and was full prior to perforating. RDMO Cased Hole Solutions. RIH with 4-1/2" HD ret. packer and 2-3/8" 4.7# EUE 8rd P-110 tbg. to 9015' and SIFN. On 4/28/08 will continue to RIH with packer and set and breakdown perms. with water and swab. On 4/26/08 SITP and SICP=0#. Continue in the hole with packer and tbg. and set packer at 10570' with 1.81" "F" nipple at 10533'. Test packer and csg. to 1000# and held OK. Break down perms. down tbg. with break at 2500# and pump 10 bbl. of 2% KCL water down tbg. at 1-1/2 BPM at 2200# with ISIP=1500#. Bled off tbg. RU swab. IFL at surface. Make 8 swab runs and recovered 51 bbl. of water with FFL at 3200' and tbg. started to flow on a full 2" line to the pit with 200# FTP. Continue to flow test overnight. Put well on various chokes and well stabilized at 1000# on a 18/64" choke at 5:00PM and flowing dry gas. Had no fluid recovery after the initial 51 bbl. recovered. At 7:00AM on 4/27/08 FTP=980# and dry gas.

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Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/28/2008	06:00 - 16:00	10.00	BOP	2	C-OTH	<p>On AM of 4/27/08 FTP=980# on a 18/64" choke and dry gas. Took gas analysis with the following results from Keyente perforated interval 11830-40'; N2=15% ; Methane=03.73%; CO2=1.77% Ethane=1.83%; BTU=1000 18: Sp Gr=0.597 SI the well due to flare lighting due to presumed static electricity. After a 2 hour SI period SITP=1700#. MIRU Halliburton acid crew and acidize Keyente Interval 11830-40' down tbg.as follows: Tbg.was dry. Pump 5 bbl.of 2% KCL water and pump 1000 gal.of 15% HCL with additives with 45-7/8" Bio-balls spaced in the 1000 gal.of acid. Flush with 80 bbl.of 2% KCL water. Total load off 111 bbl..Max.rate=5 BPM; Ave.rate =4.2 BPM; Max.psi=4357#; Ave=3438#; ISIP=1650# in 2 minutes tbg on a vacuum. Had good ball action RDMO Halliburton. RU swab. IFL a at 4000'. Make 10 swab runs and recovered 47 bbl.of water and tbg.started to flow with 50# on a full 2" at 3:30PM. Continue to flow the well iin the pit on various chokes and at 6:30AM on 4/28/08 FTP=400# on a 28/64" choke at a rate of 1 bbl.per hour. Total of 62 bbl.recovered. Continue to flow.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 111 Minus daily recovery: 62 LLTR: 49</p> <p>Perfs: Keyente: 11830-40'</p>
4/29/2008	06:00 - 16:00	10.00	STIM	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/28/08 continue to flow well to clean up following acid job the previous day. From noon until 2:30PM the well stabalized at 200# FTP on 2-40/64" chokes with a very light mist of water with a PH of 6 with total recovery today of 65 bbl.of water. Well making less than 1 bbl.every 4 hours. Pump 40 bbl.of 2% KCL water down the tbg.to load and release packer at 10570'. SIFN. On 4/29/08 will POOH with packer and tbg.and set a CIBP on wireline over the Keyente and perforate next zone.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 49 Minus daily recovery: 3 Plus water today: 40 LLTR: 88</p> <p>Perfs: Keyente: 11830-40'</p>
4/30/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/29/08 SITP=600# and SICP=100#. Bled off csg..No fluid recovery. Finish POOH with tbg.and packer. MIRU Cased Hole Solutions wireline and set a 4-1/2" CIBP at 1180'. Tag plug after setting and OK. Perforate the following Entrada intervals at 3 JPF per the CBL log dated</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release: Group:
 Rig Number: 3

Spud Date: 2/21/2008
 End:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/30/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>4/24/08 using a 3 1/8" csg.gun with 120° phasing: 11408-13'; 11437-43'; 11560-62'; 11594-96' and 11670'-71' (48 holes). IFL at 3970' and FFL at 4060'. Had a very slight blow after perforating. RDMO Cased Hole Solutions. Left well open to the pit for 3 hours with no flow or blow. SIFN. At 6:30AM on 4/29/08 SICP=0# and no flow or blow. Will attempt to RIH with packer and tbg.dependent on wind.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:100 LLTR: 100</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96'</p>
5/1/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/30/08 SICP=0#. RIH with a 4-1/2" HD ret packer. 1 jt of tbg; 1.81" "F" nipple and 24 jts of tbg.and set packer at 10570' with "F" nipple at 10533'. Load csg.with 40 bbl.of 2% KCL water and test packer to 1000# and held OK. Load tbg.with 15 bbl.of 2% KCL water and break down Entrada perfs at 1400# and pump 10 bbl.of 2% KCL water at 1-1/2 BPM at 1600#. RU swab. IFL at surface. Make 9 swab runs and recovered 42 bbl.of water with FFL at 2100' and tbg.started to flow. Max.FL was 5900' while pulling from 8500'. Flowed the tbg.on various chokes for 3-1/2 hours and recovered an additional 25 bbl.of water with no fluid recovery the last 2-1/2 hours with a stabalized flow for 2-1/2 hours of FTP=1000# on a 18/64" choke and dry gas. SIFN. On 5/1/08 will take a gas sample and SI the well until AM on Sat 5/3/08 when the Entrada interval will be acidized.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:63 Minus daily recovery: 67 LLTR: 4 over</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/2/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/1/08 SITP=1250# after a 14 hour SI period and SICP=0# with packer set. Open tbg.on a 18/64" choke for 1-1/2 hours and took a gas</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/2/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>sample with the following results from the gross perforated Entrada intervals as listed above: N2=1.11; Methane=92.64'; CO2=2.07; Ehtane=2.62'; BTU=1037.83'; Grav.=0.6151 RD gas tester and SI the well until AM of 5/2/08 when the Entrada will be acidized.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 4 over</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/5/2008	06:00 - 16:00	10.00	STIM	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>Well was SI on 5/2/08 for completion of gas line. On 5/3/08 SITP=1250# and SICP=0# with packer set at 10570'. MIRU Halliburton acid crew and acidize gross perforated Entrada Interval 11408-11671' down tbg.as follows: Pump 5 bbl.of water followed by 4000 gal.of 15% HCL with additivies with 75-7/8" Bio-balls spaced evenly in the acid and flush with 55 bbl.of 2% KCL water. Had good ball action. Total load of 156 bbl..Max.rate=5.4; Ave=4.8 BPM; Max.psi=3980#; Ave=3800#; ISIP=522#. RDMO Halliburton. RU swab. IFL at 2100'. Make 13 swab runs and recovered 64 bbl.of water and tbg.started to flow with FFL at 1000'. Continue to flow the well to clean up and flowed the well for an additional 6 hours with a final FTP=450# on a 40/64" choke and a very light mist of fluid and a final PH=7. Recovered a total of 104 bbl.of flud between swabbing and flowing with no appreciable recovery of water the last hours. SI the well and turn well over to production department on 5/4/08. Tbg.is landed with a packer and in the BOP's with slips. Rig remains rigged up. Report discontinued until further activity. Flowing from the above Entrada perfs...</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Minus daily recovery: 104 Plus water today: 156 LLTR: 52</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/6/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/6/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>On 6/4/08 SITP and SICP=500#. Bled off well to 100# and pump 40 bbl.of 2% KCL water down tbg..Finish POOH with tbg.and packer and bottom hole assembly. SI the well until AM of 6/6/08 when a compsite BP will be set on wireline to isolate the Keyente and Entrada perfs.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 60 Plus water today: 40 LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/12/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/9/08 SITP =1300# and SICP=0# with packer set. Pulled BHP bombs and made gradient stops on the way out of the hole. Return well to production department. On 5/12/08 scheduled to release packer packer and lay down tbg..</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 45??</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/13/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/13/08 SITP=1300# and SICP=0# with packer set. Left well SI waiting on orders.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/13/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	LLTR: 45?? Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/14/2008	06:00 - 16:00	10.00	DEQ	2	C-OTH	"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' ON 5/13/08 SITP=1300# and SICP=0# with packer set at 10570'. Bled down tbg..Load tbg.with 50 bbl.of 2% KCL water. Release packer at 10570' and POOH with packer and lay down. RIH with 3-3/4" bit and tbg.to 3000' and SIFN. On 5/14/08 will drill out CIBP over the keyente perfs. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Load from yesterday: 45?? Plus water today: 50 LLTR: 95?? Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/15/2008	06:00 - 16:00	10.00	TRP	10	C-OTH	"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' On 5/14/08 SITP and SICP=100#. Bled off well. Continue to RIH with bit and tbg.and tag fill at 11780'. RU foam unit and est.circ.after 2-3/4" hours with foam and clean out soft fill to CIBP at 11800' and drill out CIBP in 2-1/2 hours with foam unit. No difference in returns after drilling out plug. Continue in the hole and tag new PBTD at 12107'. Pull bit to 11300' and SIFN. On 5/15/08 will POOH with bit and RIH with packer and tbg.assembly. On AM of 5/15/08 SITP=1550# and SICP=2100#. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Perfs: Keyente: 11830-40'

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/15/2008	06:00 - 16:00	10.00	TRP	10	C-OTH	covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/16/2008	06:00 - 16:00	10.00	TRP	10	C-OTH	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' On 5/15/08 SITP=1550# and SICP=2100#. Bled off well to 100# and pump 20 bbl.of 2% KCL water down the tbg..POOH to 1500' with bit and tbg.and pump additional 40 bbl.to kill well as casing was flowing the entire time while POOH. POOH with bit and tbg..RIH with packer assembly to 10000' and had to pump an additional 40 bbl.top kill while RIH due to flow. SIFN. On 5/16/08 will continue to RIH with packer assembly and tbg..and land and swab well if necessary. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Minus daily recovery: 80 Plus water today: 100 LLTR: 40 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/19/2008	06:00 - 16:00	10.00	OTH		C-OTH	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' Having trouble receiving reports via fax machine. Will send in on AM of 5/21/08 Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Minus daily recovery: 80 Plus water today: 100 LLTR: 40 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/22/2008	06:00 - 16:00	10.00	OTH		C-OTH	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96';

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Start: 4/21/2008
 End:
 Rig Release:
 Group:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/22/2008	06:00 - 16:00	10.00	OTH		C-OTH	11670-71' Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Rig is off well. Still having trouble receiving reports---will complete report AM of 5/22/08 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/23/2008	06:00 - 16:00	10.00	OTH		C-OTH	"TIGHT HOLE": Project: Completion of well Rig is off well On 5/16/08 SITP=800# and SICP=850#. Bled down well and continue in hole and set Arrow-Set I packer at 11757'. Well had unloaded all fluid. Land tbgs. In hanger and packer is set in compression. ND BOP's and NUWH. Trun well over to production department. On 5/19/08 RDMO Basin Well Service. Report discontinued until further activity. Entrada perfs. are capable of producing up the casing and the keyente pers. can produce up the tbgs... Tbg. Detail: X-N nipple (1.02'); 1 jt. of tbgs. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbgs. Tbg. tail at 11794.57' and packer is set at 11757.75'. All tbgs. is 2-3/8" EUE 8rd 4.7# P-110. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
6/3/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	"TIGHT HOLE": Project: Completion of well Resumption of report discontinued on 5/20/08 when Basin Well Service rigged down. On 6/2/08 MI Basin Well Service rig #3. Left well in same state as it was. On 6/3/08 will RU Basin WS and NDWH and NU BOP's and release packer and start to POOH with tbgs. and packer and prepare to

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/3/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	<p>set composite BP on 6/4/08 so Entrada perms.will be isolated to frac.</p> <p>Tbg.Detail: X-N nipple (1.02'); 1 jt.of tbg. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbg..Tbg.tail at 11794.57' and packer is set at 11757.75'.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/4/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>Resumption of report discontinued on 5/20/08 when Basin Well Service rigged down.</p> <p>On 6/3/08 SITP=1500# and SICP=1100#. Bled off tbg..Pump 20 bbl.of 2% KCLwater down the tbg...NDWH and NU 10M# BOP's. NU flowback manifold. Release packer at 11757' and pump 40 bbl.of 2% KCL water down the csg..POOH with tbg.and packer to 5785'. SIFN. On 6/4/08 will continue to POOH with tbg.and packer and prepare well for comp. BP On 6/6/08.</p> <p>Tbg.Detail: X-N nipple (1.02'); 1 jt.of tbg. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbg..Tbg.tail at 11794.57' and packer is set at 11757.75'.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Plus water today: 60 LLTR: 60</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/6/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/4/08 SITP and SICP=500#. Bled off well to 100# and pump 40 bbl.of 2% KCL water down tbg..Finish POOH with tbg.and packer and bottom hole assembly. SI the well until AM of 6/6/08 when a composite</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/6/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	<p>BP will be set on wireline to isolate the Keyente and Entada perms.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 60 Plus water today: 40 LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/9/2008	06:00 - 16:00	10.00	STIM	3	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/6/08 did not do wireline work Left well SI. On 6/9/08 will set a composite BP over the Keyente perms. and leave well SI pending frac work.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/10/2008	06:00 - 16:00	10.00	LOG	2	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/8/08 SICP=1400#. MIRU Cased Hole Solutions and wireline set a 4-1/2" compsite BP at 11780'. RDMO. Cased Hole solutions. Well will remain SI pending frac work. The Keyente and Entrada perms.are now isolated in order to frac the Entrada perms..Report discontinued until further activity.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 100</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/10/2008	06:00 - 16:00	10.00	LOG	2	C-OTH	Perfs: Keyente: 11830-40' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
6/17/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	"TIGHT HOLE": Project: Completion of well On 6/16/08 MIRU Halliburton frac crew and Stinger WH Services. Install BOP isolation tool. RU Halliburton and frac Entrada gross perforated interval 11408 - 11671' down 4-1/2" csg.using a 70% quality CO2 40# Purgell 2% x-linked gel water system as follows: Pump a 14800 gal.pad and stage 1-4 ppg CRC 20/40 mesh sand in 17000 gal.of fluid and flush with 3700 gal.of clean volume. Flush was a 50% quality flush with a 20 bbl.water cap. Total of 99M# of sand anda total load of 815 bbl..Max.rate=47.3; Ave=41.8 BPM; Max.psi=7061#; Ave=5694#; ISIP=2269#; (FG=0.63). Total of 198 ton of CO2 used in frac. RDMO Stinger and Halliburton frac crew. Open the csg.at 4:45PM on a 40/64" choke with a SICP=1000#. Continue to flow the csg.on a 40/64" choke for 3 hours with a final FCP=450#. Open the csg.to a 64/64" choke at 8:00PM and at 6:30AM on 6/17/08 the csg.is flowing at a rate of 10 bbl.per hour of CO2 and water with a very slight trace of sand with a FCP=100# and a total recovery of 520 bbl..Continue to flow to clean up. LLR=295 bbl.. All tbq.is 2-3/8" EUE 8rd 4.7# P-110. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Load from yesterday: 100 Minus daily recovery: 250 Plus water today: 815 LLTR: 395 Perfs: Keyente: 11830-40' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
6/18/2008	06:00 - 16:00	10.00	PTST	2	C-OTH	"TIGHT HOLE": Project: Completion of well On 6:30 AM on 6/17/08 FCP=100# on a 64/64" choke at a rate of 10 bbl.per hour of CO2 and water. Continue to flow the well until 6:00 PM between a 64/64" choke and a full open 2" and at 6:00PM on a 64/64" choke had a final FCP=400# with no water the last 3 hours with a small show of CO2and mostly methane gas and SIFN at 6:00PM on 6/17/08. On 6/18/08 will RIH with mill and tbq.to prepare to clean out well to PBTB. Well is currently only open in the Entrada intervals following the frac of the Entrada. Have a total recovery of 110 bbl.of water today. Casing size: 4-1/2" 13.5# P-110

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/18/2008	06:00 - 16:00	10.00	PTST	2	C-OTH	<p>Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 395 Minus daily recovery: 110 LLTR: 285</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/19/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/18/08 SICP=1200#. Open well and bled off to 400#. Pump 60 bbl. of 2% KCL water to contain well. RIH with 3-3/4" mill with pump of bit sub with float and tbq. and tag at 11732'. Pull mill to 11700'. NU stripper rubber and power swivel and SIFN. On 6/19/08 will clean out sand and drill out composite BP and clean out well with foam unit. Have 63' of fill on top of plug.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 285 Minus daily recovery: 30 Plus water today: 60 LLTR: 315</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/20/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/19/08 SITP=0# with float in the string and SICP=700#. MIRU foam unit and clean out with foam unit with 3-3/4" mill on bottom from tag at 11732' to composite BP at 11790' and drill out plug and took a 150# increase in flow back pressure and continue to RIH to 12113' with no tag. RD roam unit. POOH with tbq. to 1950' and SIFN. On 6/20/08 SITP=150# and SICP=1250#. Will finish POOH with mill and tbq. and RIH with packer assembly to isolate zones and get well to flow up tbq. and csg. and land tbq. and ND BOP's and NUWH and turn well over to production.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 315 Minus daily recovery: 200 LLTR: 115</p>

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/20/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	Perfs: Keyente: 11830-40'
6/23/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71' "TIGHT HOLE": Project: Completion of well On 6/20/08 SITP=150# and SICP=1250#. Bled off well and pump 40 bbl.of 2% KCL water down the tbg.to kill. Finish POOH with mill and tbg..RIH with Arrowset I packer assembly and tbg.and set packer at 11738' with tbg.tail at 11772'. Tbg.started to flow and flowed the tbg.for 3 hours and recovered 30 bbl.of water with a slight blow on the casing. SIFN. On 6/21/08 SITP =600# and SICP=1100#. Open csg.and tbg.and flowed both sides for 2 hours and cleaned up well. Land tbg.in hanger and ND BOP's. Pump 10 bbl.of water down the tbg.to kill and NUWH. Turn well over to the production department after having trouble with sinker bar assembly on swab mandrel so could not swab tbg..On 6/23/08 will either swab tbg.or RDMO basin WS#3. Tbg.Detail: wireline re-entry guide; XN nipple; 1 jt.of tbg; Arrow-set I packer; 4' sub; on-off tool seal assembly; 361 jts.of tbg.to surface. Tbg.is landed in 20M# compression. Tbg is landed in hanger. Packer at 11738' and tbg.tail at 11772', XN nipple at 11771', All depths are 21' KB. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Load from yesterday:315 Minus daily recovery: 200 LLTR: 115 Perfs: Keyente: 11830-40' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
6/24/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	"TIGHT HOLE": Project: Completion of well On 6/23/08 TP=300# with no flow and FCP=800# with packer set between Entrada and Keyente perfs..RU swab. IFL in tbg. at 5450', Make 7 runs and recovered 16 bbl.of water with FFL at 5000' and tbg.started to flow. Flow the tbg.for an additional 1-1/2 hours to the pit and recovered an additional 5 bbl.of water and tbg.dried up. RD swab and turn well over to production department. RDMO Basin WS #3. Report discontinued. With packer set at 11736' the Entrada Intervals are producing up the csg.and the Keyente is producing up the tbg...

Operations Summary Report

Legal Well Name: FR 13P-20-14-20
 Common Well Name: FR 13P-20-14-20
 Event Name: COMPLETION
 Contractor Name: Basin Well Service
 Rig Name: BASIN WELL SEREVICE

Start: 4/21/2008
 Rig Release:
 Rig Number: 3

Spud Date: 2/21/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/24/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>Tbg.Detail: wireline re-entry guide; XN nipple; 1 jt.of tbg; Arrow-set I packer; 4' sub; on-off tool seal assembly; 361 jts.of tbg.to surface. Tbg.is landed in 20M# compression. Tbg is landed in hanger. Packer at 11738' and tbg.tail at 11772', XN nipple at 11771', All depths are 21' KB.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:115 Minus daily recovery: 21 LLTR: 94</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>

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

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.
UTU-10164

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE

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 _____

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION CO.

9. WELL NO.
FR 13P 20 14 20

3. ADDRESS OF OPERATOR.
11002 E. 17500 S. VERNAL, UT 84078-8526

DAHN CALDWELL
435-781-4342

10. FIELD AND POOL, OR WILDCAT
FLAT ROCK

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

At surface **560' FSL, 467' FWL, SWSW, Sec 20-T14S-R20E**

At top rod. interval reported below

At total depth **620' FSL, 741' FWL, SWSW, Sec 20-T14S-R20E**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 20-T14S-R20E

14. PERMIT NO. 43-047-39226	DATE ISSUED	12. COUNTY OR PARISH UINTAH	13. STATE UT
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15. DATE SPUNDED 2/16/08	16. DATE T.D. REACHED 4/01/08	17. DATE COMPL. (Ready to prod.) 5/4/08	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB	19. ELEV. CASINGHEAD
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20. TOTAL DEPTH, MD & TVD 12,225'-MD	21. PLUG BACK T.D., MD & TVD 12,191'-TVD -12,211'-MD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS X	CABLE TOOLS
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
KEYENTE 11830' - 11840'
ENTRADA 11408' - 11671'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
ARRAY INDUCTION TOOL, 3 DETECTOR LITHODENSITY COMP NEUTRON & CBL

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
10-3/4"	40.5#	541' GL	14-3/4"	450 SXS	
7-5/8"	29.7#	3,984'	9-7/8"	690 SXS	
4-1/2"	13.50#	12,213'	6-1/2"	485 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-3/8"	11,772'	

31. PERFORATION RECORD (Interval, size and number)
KEYENTE 11830' - 11840'
ENTRADA 11408' - 11671'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
KEYENTE 11830' - 11840'	Acidize w/ 1000 gals of 15% HCL
ENTRADA 11408' - 11671'	Acidize w/ 4000 gals of 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION 5/4/08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING	WELL STATUS (Producing or shut-in) PRODUCING
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DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
5/17/08	24	48	→	0	425	30	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
1000	1150	→				

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
N/A

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* TITLE **COMPLETION SUPERVISOR** DATE **7/21/08**

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

RECEIVED

JUL 25 2008

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
WASATCH	2064'		
MESA VERDE	4105'		
DAKOTA SILT	10423'		
MORRISON	10812'		
CURTIS	11345'		
ENTRADA	11406'		
WINGATE	11962'		
TD	12225'		
			NOTE: With PKR set @ 11,738' the Entrada intervals are producing up the csg & the Keyente intervals are producing up the fbq.

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
WASATCH	2064'	
MESA VERDE	4105'	
DAKOTA SILT	10423'	
MORRISON	10812'	
CURTIS	11345'	
ENTRADA	11406'	
WINGATE	11962'	
TD	12225'	

CONFIDENTIAL

**NEVIS ENERGY SERVICES INC.
SURVEY DATA CERTIFICATION**



NEVIS JOB NUMBER 82086

OPERATOR Questar E&P

CONFIDENTIAL

WELL NAME Flat Rock 13P-20-14-20

COUNTY & STATE Uinta, Utah

API WELL NUMBER	0
-----------------	---

PROPOSED DIRECTION	227
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TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
ft	. ft	0	0	0	0	Surface

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
4-Mar-08	583 ft		

SURVEY INSTRUMENT TYPE
Nevis MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
1-Apr-08	12,175 ft	3.6	163.1

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
1-Apr-08	12,225 ft	3.2	155.6

Sean Schultz

PRINT YOUR NAME ABOVE

Sean Schultz

SIGN YOUR NAME ABOVE

3-Apr-08

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID	
TOTAL CORRECTION USED	11.11
DECLINATION OR GRID	Declination

MWD SUPERVISOR 1 Sean Schultz

DIRECTIONAL DRILLER 1 Dan Mack

MWD SUPERVISOR 2 Ben Sellers

DIRECTIONAL DRILLER 2 Russ Williams

1724-B Townhurst Dr

Houston, Texas 77043

(713) 827-8302

CONFIDENTIAL



Job Number: 82086
 Company: Questar E&P
 Lease/Well: Flat Rock #13P-20-14-20
 Location: Uintah County
 Rig Name: Unit 232
 RKB: 21
 G.L. or M.S.L.: Datum

State/Country: Utah USA
 Declination: 11.11
 Grid: -0.90
 File name: Z:\QUESTA-1\FLATRO-1\FIELDI-1\FR13P.SVY
 Date/Time: 10-Apr-08 / 11:17
 Curve Name: As Drilled

As Drilled

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 52.00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT Direction Deg		Dogleg Severity Deg/100
Surface									
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
First Nevis MWD Survey									
583.00	.20	175.90	583.00	-.57	-1.01	.07	1.02	175.90	.03
707.00	1.10	60.50	706.99	.49	-.64	1.12	1.30	119.83	.97
798.00	2.70	48.30	797.94	3.49	1.21	3.48	3.69	70.83	1.80
897.00	4.20	47.50	896.76	9.43	5.21	7.90	9.46	56.58	1.52
987.00	4.30	47.80	986.51	16.08	9.70	12.83	16.09	52.89	.11
1078.00	4.20	47.70	1077.26	22.81	14.24	17.82	22.81	51.37	.11
1170.00	4.30	47.70	1169.01	29.61	18.83	22.86	29.62	50.53	.11
1262.00	4.20	46.20	1260.75	36.40	23.48	27.85	36.42	49.86	.16
1357.00	4.20	48.30	1355.50	43.33	28.20	32.95	43.37	49.44	.16
1454.00	3.90	48.30	1452.26	50.17	32.76	38.07	50.22	49.29	.31
1551.00	3.90	49.10	1549.03	56.75	37.11	43.03	56.82	49.22	.06
1649.00	4.00	51.30	1646.80	63.50	41.43	48.21	63.57	49.32	.19
1681.00	3.80	50.10	1678.72	65.68	42.81	49.90	65.75	49.37	.68
1779.00	3.80	43.50	1776.51	72.13	47.25	54.62	72.22	49.14	.45
1876.00	3.60	45.20	1873.31	78.34	51.73	59.00	78.46	48.76	.24
1973.00	3.60	42.00	1970.12	84.36	56.14	63.20	84.53	48.39	.21
2070.00	3.70	42.00	2066.92	90.44	60.73	67.33	90.67	47.95	.10
2148.00	4.70	46.70	2144.71	96.10	64.79	71.34	96.37	47.75	1.35
2243.00	5.00	47.80	2239.37	104.11	70.24	77.24	104.40	47.72	.33
2341.00	5.10	45.90	2336.99	112.70	76.14	83.53	113.02	47.65	.20

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2437.00	5.10	44.10	2432.61	121.17	82.17	89.56	121.55	47.46	.17
2535.00	4.90	41.00	2530.24	129.59	88.46	95.34	130.06	47.14	.34
2631.00	5.00	41.50	2625.88	137.73	94.69	100.80	138.30	46.79	.11
2728.00	5.30	41.10	2722.49	146.28	101.23	106.55	146.97	46.47	.31
2826.00	5.80	45.70	2820.03	155.65	108.10	113.07	156.43	46.29	.68
2923.00	6.00	41.40	2916.51	165.50	115.32	119.93	166.38	46.12	.50
3020.00	5.30	45.70	3013.04	174.94	122.25	126.49	175.91	45.97	.84
3118.00	5.30	46.40	3110.62	183.94	128.54	133.00	184.96	45.98	.07
3215.00	5.50	50.30	3207.19	193.05	134.60	139.82	194.08	46.09	.43
3312.00	5.90	52.60	3303.71	202.68	140.59	147.36	203.67	46.35	.47
3409.00	6.00	51.20	3400.19	212.73	146.80	155.27	213.68	46.61	.18
3507.00	6.20	52.50	3497.64	223.15	153.23	163.46	224.05	46.85	.25
3603.00	6.00	52.50	3593.09	233.35	159.44	171.56	234.21	47.10	.21
3700.00	6.30	54.40	3689.53	243.74	165.62	179.91	244.53	47.37	.37
3798.00	6.20	51.70	3786.95	254.40	172.03	188.43	255.15	47.60	.32
3895.00	6.00	54.90	3883.40	264.70	178.20	196.69	265.41	47.82	.41
3953.00	5.80	53.80	3941.09	270.66	181.67	201.53	271.33	47.97	.40
4068.00	5.50	60.70	4055.54	281.91	187.80	211.03	282.49	48.33	.65
4196.00	5.30	64.00	4182.97	293.76	193.39	221.69	294.19	48.90	.29
4325.00	5.10	65.40	4311.44	305.16	198.39	232.26	305.46	49.50	.18
4422.00	5.00	67.10	4408.06	313.44	201.83	240.07	313.64	49.95	.19
4519.00	5.20	72.00	4504.68	321.65	204.83	248.15	321.77	50.46	.49
4584.00	5.30	73.20	4569.41	327.22	206.61	253.82	327.28	50.85	.23
4681.00	4.90	78.10	4666.02	335.12	208.76	262.17	335.13	51.47	.61
4778.00	4.30	87.00	4762.71	341.81	209.80	269.85	341.82	52.14	.96
4875.00	3.80	92.60	4859.47	347.23	209.85	276.69	347.27	52.82	.66
4972.00	3.00	104.10	4956.30	351.23	209.08	282.37	351.35	53.48	1.08
5070.00	3.10	123.60	5054.16	353.65	206.99	287.06	353.91	54.21	1.06
5166.00	3.00	145.80	5150.03	354.30	203.48	290.64	354.79	55.00	1.23
5263.00	3.20	151.50	5246.89	353.68	199.00	293.35	354.48	55.85	.38
5360.00	3.00	163.10	5343.75	352.32	194.19	295.38	353.50	56.68	.68
5458.00	2.50	177.90	5441.63	350.15	189.60	296.21	351.69	57.38	.88
5555.00	2.80	178.90	5538.53	347.48	185.12	296.33	349.40	58.01	.31
5653.00	1.80	186.90	5636.45	344.96	181.20	296.19	347.22	58.54	1.07
5750.00	2.30	195.00	5733.39	342.33	177.81	295.51	344.87	58.96	.59
5847.00	1.80	173.80	5830.33	339.97	174.41	295.17	342.84	59.42	.93
5944.00	1.20	172.40	5927.29	338.66	171.89	295.46	341.83	59.81	.62
6041.00	1.30	171.00	6024.27	337.61	169.80	295.77	341.04	60.14	.11
6138.00	2.70	189.40	6121.21	335.39	166.46	295.57	339.22	60.61	1.57
6235.00	1.70	199.00	6218.14	332.50	162.84	294.73	336.72	61.08	1.10
6332.00	1.30	182.90	6315.10	330.58	160.38	294.20	335.08	61.40	.60
6430.00	.60	246.80	6413.09	329.35	159.07	293.68	333.99	61.56	1.19
6527.00	1.30	220.90	6510.08	327.78	158.04	292.49	332.45	61.62	.83
6623.00	1.90	193.50	6606.04	325.47	155.67	291.40	330.38	61.89	1.00
6720.00	1.00	185.60	6703.01	323.63	153.26	290.95	328.84	62.22	.95

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6817.00	2.20	199.70	6799.97	321.47	150.67	290.24	327.01	62.57	1.29
6913.00	1.20	187.40	6895.93	319.20	147.93	289.49	325.09	62.93	1.10
7009.00	2.00	206.60	6991.89	316.97	145.44	288.61	323.18	63.25	.99
7106.00	1.00	190.60	7088.86	314.80	143.09	287.69	321.31	63.56	1.11
7202.00	1.30	194.80	7184.84	313.31	141.22	287.26	320.10	63.82	.32
7298.00	1.00	232.30	7280.82	311.60	139.65	286.32	318.56	64.00	.82
7396.00	2.10	212.70	7378.78	309.05	137.62	284.67	316.19	64.20	1.23
7493.00	1.50	213.80	7475.73	306.17	135.07	283.01	313.59	64.49	.62
7591.00	1.80	203.80	7573.69	303.59	132.59	281.67	311.32	64.79	.42
7687.00	2.20	175.00	7669.64	301.26	129.38	281.22	309.56	65.30	1.11
7785.00	2.00	177.60	7767.57	299.24	125.80	281.46	308.29	65.92	.23
7882.00	2.50	168.10	7864.50	297.32	122.03	281.97	307.24	66.60	.64
7978.00	1.40	201.80	7960.44	295.39	118.90	281.96	306.01	67.14	1.61
8075.00	.70	212.70	8057.43	293.81	117.30	281.20	304.69	67.36	.75
8172.00	1.70	216.90	8154.40	291.86	115.65	280.02	302.96	67.56	1.03
8269.00	.80	320.70	8251.39	290.45	115.02	278.73	301.53	67.58	2.11
8364.00	.60	254.10	8346.38	289.98	115.40	277.83	300.84	67.44	.83
8461.00	1.30	247.60	8443.37	288.45	114.84	276.32	299.24	67.43	.73
8557.00	.80	261.20	8539.35	286.81	114.32	274.65	297.50	67.40	.58
8655.00	.30	13.50	8637.35	286.42	114.47	274.04	296.98	67.33	.97
8753.00	.20	285.40	8735.35	286.52	114.76	273.93	297.00	67.27	.36
8850.00	.20	23.30	8832.35	286.56	114.96	273.83	296.99	67.23	.31
8948.00	.10	53.20	8930.35	286.80	115.17	273.97	297.19	67.20	.13
9044.00	.20	178.30	9026.35	286.78	115.05	274.04	297.22	67.23	.28
9140.00	.30	225.80	9122.35	286.43	114.71	273.87	296.92	67.27	.23
9237.00	.10	30.80	9219.35	286.26	114.61	273.73	296.75	67.28	.41
9334.00	.10	17.80	9316.35	286.41	114.76	273.80	296.88	67.26	.02
9431.00	.20	127.80	9413.34	286.52	114.74	273.96	297.01	67.28	.26
9528.00	.10	71.30	9510.34	286.64	114.66	274.17	297.18	67.30	.17
9624.00	.20	41.30	9606.34	286.89	114.81	274.36	297.42	67.29	.13
9721.00	.20	334.40	9703.34	287.09	115.09	274.40	297.56	67.25	.23
9818.00	.20	236.40	9800.34	286.96	115.15	274.19	297.39	67.22	.31
9915.00	.20	294.70	9897.34	286.71	115.13	273.89	297.10	67.20	.20
10013.00	.20	142.50	9995.34	286.63	115.06	273.84	297.03	67.21	.40
10110.00	.20	214.90	10092.34	286.47	114.79	273.85	296.93	67.26	.24
10206.00	.10	319.50	10188.34	286.30	114.72	273.70	296.77	67.26	.26
10303.00	.10	37.30	10285.34	286.38	114.85	273.69	296.81	67.24	.13
10400.00	.10	53.20	10382.34	286.55	114.97	273.81	296.97	67.22	.03
10497.00	.10	304.40	10479.34	286.61	115.07	273.81	297.00	67.21	.17
10594.00	.10	161.10	10576.34	286.55	115.03	273.77	296.95	67.21	.20
10691.00	.10	105.30	10673.34	286.58	114.93	273.88	297.01	67.23	.10
10788.00	.30	135.30	10770.34	286.66	114.73	274.14	297.18	67.29	.23
10885.00	.10	161.90	10867.34	286.66	114.47	274.34	297.26	67.35	.22
10982.00	.10	186.10	10964.34	286.57	114.30	274.36	297.22	67.38	.04
11079.00	.10	329.60	11061.34	286.52	114.29	274.31	297.16	67.38	.20

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
11175.00	.50	232.60	11157.34	286.11	114.11	273.93	296.75	67.39	.54
11272.00	1.50	203.60	11254.32	284.57	112.69	273.09	295.42	67.58	1.12
11370.00	1.90	186.70	11352.28	282.30	109.90	272.38	293.72	68.03	.65
11465.00	2.70	191.60	11447.20	279.49	106.14	271.75	291.74	68.66	.87
11562.00	3.30	187.00	11544.07	275.78	101.14	270.95	289.21	69.53	.67
11659.00	3.80	179.00	11640.88	271.87	95.15	270.67	286.90	70.63	.72
11750.00	3.90	199.50	11731.68	267.44	89.22	269.69	284.06	71.69	1.51
11848.00	4.00	168.80	11829.46	263.09	82.72	269.24	281.66	72.92	2.13
11945.00	3.90	168.80	11926.23	260.08	76.17	270.54	281.05	74.28	.10
12042.00	4.30	166.60	12022.98	257.08	69.39	272.02	280.73	75.69	.44
12139.00	3.90	168.50	12119.73	254.09	62.62	273.52	280.60	77.10	.44
Last Nevis MWD Survey									
12175.00	3.60	163.10	12155.66	253.14	60.34	274.09	280.66	77.58	1.29
Survey Projection to TD									
12225.00	3.18	155.60	12205.57	252.25	57.58	275.12	281.08	78.18	1.22

Operations Summary Report - DRILLING

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2008	06:00 - 06:00	24.00	DRL	1	FEBRUARY CALLED IN SPUD TO CAROL DANIELS BLM, MIKE LEE, DAWN CALDWELL W/ QUESTAR AT WANSIT VALLEY. SET 20" CONDUCTOR AT 90', MOUSEHOLE 80', SURFACE SET 2/21/2008 TD 570', SET AT 541.1' GROUND LEVEL. CEMENTED BACK TO SURFACE W/ 8 BBLS CEMENT RETURNS.
2/21/2008	06:00 - 18:00	12.00	LOC	4	RIGGED DOWN MOVED TUBULARS OUT AND LOWERED DERRIK, DRAINED BOILER AND RIGGED DOWN CABLES.
	18:00 - 06:00	12.00	LOC	4	20% RIGGED DOWN AND 5 % MOVED.
2/22/2008	06:00 - 18:00	12.00	LOC	4	RIGGED DOWN AND LOADED OUT 12 TRUCKS TO NEW LOCATION. RIG IS 90% RIGGED DOWN AND 25% MOVED TO NEW LOCATION.
	18:00 - 06:00	12.00	LOC	4	90% RIGGED DOWN AND 25% MOVED.
2/23/2008	06:00 - 18:00	12.00	LOC	3	MOVED RIG AND STARTED RIGGING UP. SET DOWN PLASTIC FOR MATS. INSTALLED 11" X 10,000 WELL HEAD. ROAD IS IN BAD CONDITION. USING CAT AND ROADGRADER TO PULL IN EVERY LOAD. MAN CAMPS FOR CREWS SET AND RIGGED UP. WILL MOVE RIG CAMPS SUNDAY AND HAVE THEM RIGGED UP ON MONDAY.
	18:00 - 06:00	12.00	LOC	3	RIG IS 100% RIGGED DOWN AND 60% MOVED. WILL START FULL RIG UP TODAY.
2/24/2008	06:00 - 18:00	12.00	LOC	4	RIGGED UP AND MOVED SET SUBS, DRAWWORKS, PITS, MOTOR PACKAGE, PUMPS, DERRIK IS PINNED. RIGGED UP 50 %. WILL MOVE RIG CAMPS SUNDAY.
	18:00 - 06:00	12.00	LOC	4	RIG IDLE
2/25/2008	06:00 - 18:00	12.00	LOC	4	RIGGED UP STRUNG BLOCKS AND CROWN, SET DOGHOUSE, STRUNG WIRES, GAS BUSTER, CHOKE HOUSE, FUEL TANK, BOILER.
	18:00 - 06:00	12.00	LOC	4	RIG IDLE WITH RIG 60% RIGGED UP.
2/26/2008	06:00 - 18:00	12.00	LOC	4	SET BOTTOM DOG HOUSE AND PARTS HOUSES, CAMPS, MOVE PIPE FOR ROOM, INSPECT DRAWWORKS W/ DRAWWORKS INSPECTORS.
	18:00 - 06:00	12.00	LOC	4	STRUNG DRILLING LINE THRU BLOCKS AND CROWN. EXAMING DERRIK AND LINE PRIOR TO RAISING SOME BAD STRANDS WERE FOUND. RESTRUNG 1300' OF NEW LINE. RAISED DERRIK, FINISHED RIGGING UP CAMPS, STRUNG MORE ELECTRIC LINES. PUT CAMPS ON RIG POWER.
2/27/2008	06:00 - 18:00	12.00	LOC	4	RIG IDLE 80% RIGGED UP. ROAD IS BAD FOUND WATER HAULERS LEASED TO TU AND FROM TRUCKING BUT, NEED ROAD WORK TO BE ABLE TO HAUL TO RIG. ROAD WORK IS MAINLY NEEDED ON BLM ROAD NON TRIBAL.
	18:00 - 06:00	12.00	LOC	4	SET IN FLOOR PLATES & RIG UP FLOOR, R/U WINTERIZING & R/U FLOW LINE TO NEW SHAKERS, PULL ELECTRICAL LINES
2/28/2008	06:00 - 18:00	12.00	LOC	4	RIG IDLE, 85% RIGED UP; WILL START ROAD WORK TOMORROW; TRYING TO GET WATER FROM WIND RIVER RESOURCES
	18:00 - 06:00	12.00	LOC	4	P/U TOP DRIVE RAIL & TOP DRIVE, WELD ON FLOW LINE & BLOOIE LINE; C/O SUPER CHOKE
2/29/2008	06:00 - 18:00	12.00	LOC	4	RIG IDLE, 90 % RIGGED UP; TU & FRUM SHOULD START HAULING WATER TOMMOW
	18:00 - 06:00	12.00	LOC	4	RUN OUT TOP DRIVE, WELD ON MUD LINE & BLOOIE LINES, SET IN AIR PACKAGE
3/1/2008	06:00 - 18:00	12.00	LOC	4	RIG IDLE 94%, WATER TRUCKS WILL BE HERE & 0700hr IN THE MORNING; BLM WANT'S ALL HEAVY LOADS TO COME IN ON THE FROST, DD'S WILL BE HERE TOMORROW AFTERNOON
	18:00 - 06:00	12.00	LOC	4	P/U BALES & ELEVATORS, START WATER & STEAM SYSTEM, WELD ON FLOW LINE & BLOOIE LINE
3/2/2008	06:00 - 13:00	7.00	LOC	4	TEST BOP, BLIND RAMS LOWER PIPE RAMS 250 LOW, 5000 HIGH CSG 1500, ANNULAR WOULD NOT TEST, L/D ROTATING HEAD, PULL TOP OFF ANNULAR TO REPLACE ELEMENT
	13:00 - 16:00	3.00	BOP	2	L/D ROTATING HEAD, BUILD TOOL TO PULL TOP OF ANNULAR, CLEAN DRILLING MUD OUT OF ANNULAR, C/O ELEMENT, M/U TOP,
	16:00 - 06:00	14.00	BOP	1	

CONFIDENTIAL

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2008	06:00 - 08:00	2.00	BOP	1	M/U ROTATING HEAD, HOOK UP KOOMEY LINES TO ANNULAR
	08:00 - 14:00	6.00	BOP	2	HOLD SAFRTY MTG TEST BOTTOM PIPE RAMS, ANNULAR 250 LOW, 5000 HIGH, TEST FLOOR VALVES, TOP DRIVE VALVES, STAND PIPE
	14:00 - 18:00	4.00	LOC	4	R/U BLOOIE LINES, INSTALL VALVES IN STAND PIPE FOR AIR MANAFOLD
	18:00 - 06:00	12.00	LOC	4	MIX SACKCRETE AND POUR IN CELLAR, INSTALL WEAR BUSHING, FILL KOOMEY WITH HYDRAULIC OIL, TIME RECOVERY OF KOOMEY (OK)
3/4/2008	06:00 - 13:30	7.50	LOC	4	STRAP BHA, SPOOL BACK DRLG LINE, R/U TRUE TORQUE, FINISH RIGGING UP AIR MANIFOLD ON RIG FLOOR; FILL MUD TANKS WITH WATER
	13:30 - 14:00	0.50	LOC	4	HOLD CONFRENCE CALL WITH WEATHERFORD AIR, BAKER MUD, NEVIS ENERGY, UNIT DRILLING FIELD SUPER & TOOL PUSHER, GEO LINK, QUESTAR FORMAN ON LOCATION & QUESTAR PERSONAL IN DENVER TO COVER SAFETY ASPECTS OF DRILLING WITH AIR
	14:00 - 20:00	6.00	TRP	2	P/U 4" HWPD & RACK BACK DERRICK
	20:00 - 20:30	0.50	TRP	2	M/U BIT TO MOTOR, SCRIBE MOTOR; BIT WOULD NOT PASS THROUGH WEAR BUSHING
	20:30 - 21:30	1.00	TRP	2	C/O WEAR BUSHING
	21:30 - 23:30	2.00	TRP	2	P/U 8" MOMELS AND INSTALL MWD TOOLS
	23:30 - 04:00	4.50	TRP	2	P/U 61/2" DC AND RUN IN HOLE, RIH, INSTALL ROTATING HEAD RUBBER
	04:00 - 05:00	1.00	EQT	5	PRESSURE TEST SURFACE AIR LINES TO 1800 PSI
	05:00 - 06:00	1.00	OTH		HOLD SAFETY MTG WITH BOTH RIG CREWS, WEATHERFORD & QUESTAR PERSONAL ABOUT AIR DRILLING AND TRAPED GAS
	3/5/2008	06:00 - 08:00	2.00	WCL	2
08:00 - 10:00		2.00	DRL	4	TAG CEMENT @ 496' DRLG OUT CEMENT, FLOAT @ 517' & SHOE@562
10:00 - 13:00		3.00	DRL	1	DRLG F/ 562 T/ 681 WOB 10 2000 CFM 55 GPM WATER FOAM
13:00 - 14:00		1.00	SUR	1	BLOW HOLE CLEAN ATTEMPT TO SURVEY 4 TIMES
14:00 - 15:30		1.50	TRP	13	POOH TO P/U MONEL DC
15:30 - 16:30		1.00	TRP	13	P/U 8" MONEL & C/O MWD TOOL
16:30 - 17:30		1.00	TRP	13	RIN
17:30 - 18:00		0.50	REAM	1	WASH & REAM F/581 T/681
18:00 - 19:00		1.00	DRL	2	DIRECTIONAL DRLG F/ 681 T/ 770 WOB 10, 1500 CFM 55 GPM WATER FOAM
19:00 - 19:30		0.50	RIG	1	RIG SERVICE
19:30 - 22:00		2.50	DRL	2	DIRECTIONAL DRLG F/ 770 T/ 965 WOB 15, 1500 CFM, 50 GPM WATER FOAM
22:00 - 23:00		1.00	SUR	1	ATTEMPT TOSURVEY
23:00 - 00:00		1.00	TRP	13	POOH TO C/O MWD TOOL
00:00 - 02:00		2.00	TRP	13	C/O MWD TOOL
02:00 - 04:00		2.00	TRP	13	RIH
04:00 - 04:30	0.50	REAM	1	WASH & REAM F/ 865 T/ 965 & SURVEY	
3/6/2008	04:30 - 06:00	1.50	DRL	2	DIRECTIONAL DRLG F/ 965 T/ 1030 WOB 15, 1000CFM, 55GPM WATER FOAM
	06:00 - 15:00	9.00	DRL	2	DIRECTIONAL DRLG F/ 1030 T/ 1555 WOB 20, RPM 40, 1000 CFM 55 GPM WATER & SOAPE
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 19:00	3.50	DRL	2	DIRECTIONAL DRLG F/ 1555 T/ 1717 WOB 21, RPM 45, 1000 CFM, 55GPM WATER & SOAP
	19:00 - 20:30	1.50	FISH	6	WORK STUCK PIPE @ 1714, HOLE PACKED OFF AFTER A SURVEY
	20:30 - 21:30	1.00	CIRC	1	BLOW HOLE CLEAN, WORK PIPE, INCREASE AIR FROM 1000 CFM TO 1500CFM
	21:30 - 00:00	2.50	DRL	2	DIRECTIONAL DRLG F/ 1717 T/ 1849 WOB 21, RPM 45, 1500 CFM, 55 GPM WATER & SOAP
	00:00 - 00:30	0.50	SUR	1	ATTEMPT TO SURVEY, BLOW HOLE CLEAN
	00:30 - 02:00	1.50	TRP	13	POOH TO C/O MWD TOOL
	02:00 - 03:00	1.00	TRP	13	C/O MWD TOOL
03:00 - 05:00	2.00	TRP	13	RIH	
05:00 - 05:30	0.50	REAM	1	SAFETY WASH & REAM F/ 1749 T/1849	

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/6/2008	05:30 - 06:00	0.50	DRL	2	DRLG F/ 1849 T/1899
3/7/2008	06:00 - 14:30	8.50	DRL	2	DIRECTIONAL DRLG F/ 1899 T/ 2138 WOB 25, TRPM 105, MOTOR .17 RPG, 2000 CFM, 55 GPM WATER & SOAP
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 19:00	4.00	TRP	2	POOH
	19:00 - 22:30	3.50	TRP	2	C/O BIT. MUD MOTOR, TWO MOMELS, & MWD
	22:30 - 23:30	1.00	TRP	2	RIH
	23:30 - 00:00	0.50	REAM	1	SAFETY WASH F/ 2010 T/ 2138
	00:00 - 06:00	6.00	DRL	1	DIRECTIONAL DRLG F/ 2138 T/ 2419 WOB 10, TRPM 120, MOTOR .17 RPG, 2000 CFM
3/8/2008	06:00 - 06:30	0.50	CIRC	1	BLOW HOLE, PRESS JUMPED FROM 500 TO 1000 PSI,
	06:30 - 15:30	9.00	DRL	2	DIRECTIONAL DRLG F/ 2419 T/ 2873, WOB 20, TRPM 120, 1500 CFM, 55 GPM H2O & SOAP
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE
	16:00 - 02:30	10.50	DRL	2	DIRECTIONAL DRLG F/ 2873 T/ 3262 WOB 20, TDRPM 120, 1500 CFM, 55 GPM H2O & SOAP, RESERV PIT 90% FULL
	02:30 - 03:30	1.00	CIRC	1	MADE CONN, BRING HOLE PUMP ON LINE, ESTABLISH PERIMTERS WITH AIR WATER, 1000 CFM & 86 STK HOLE PUMP
	03:30 - 06:00	2.50	DRL	2	DIRECTIONAL DRLG F/ 2873 T/ 3401 WOB 20, TRPM 126, 1000 CFM, 86 STK 250 GPM WITH HOLE PUMP, SPP 465, MOTOR .17 RPG
3/9/2008	06:00 - 10:00	4.00	DRL	2	DIRECTIONAL DRLG F/ 3401 T/ 3657 WOB 25, TRPM 112, 700 CFM, 105 STK (305 GPM) SPP 450
	10:00 - 10:30	0.50	RIG	1	RIG SERVICE
	10:30 - 03:30	17.00	DRL	2	DIRECTIONAL DRLG F/ 3657 T/ 4000 WOB 30, TRPM 100, 700 CFM, 105/100 STK (290/305 GPM) SPP 466
	03:30 - 04:00	0.50	CIRC	1	BLOW HOLE
	04:00 - 06:00	2.00	TRP	14	SHORT TRIP F/ 4000 T/ 2000
3/10/2008	06:00 - 09:00	3.00	REAM	1	WASH & REAM F/ 3896 T/4000
	09:00 - 10:00	1.00	CIRC	1	CIRCULATE HOLE WITH SOAP & WATER & AIR, 1000 CFM, 115 GPM WATER
	10:00 - 13:00	3.00	TRP	2	TRIP OUT FOR LOGGS
	13:00 - 15:00	2.00	TRP	1	L/D 6 1/2" DC's & 8" DC & MOTOR
	15:00 - 20:30	5.50	LOG	1	HOLE SAFETY MTG, R/U SCHLUMBERGER & RUN LOGGS, HIT BRIDGE @ 3680' LOG F/ 3680 T/ 495 R/D SCHL.
	20:30 - 22:30	2.00	TRP	2	M/U BIT & RIH
	22:30 - 01:30	3.00	REAM	1	WASH & REAM F/3676 T/ 4000, 1000 CFM, 144 GPM H2O, 35 RPM
	01:30 - 03:00	1.50	CIRC	1	CIRC & BLOW HOLE, PUMP SOAP SWEEPS, 1000 CFM, 144 GPM H2O
	03:00 - 04:30	1.50	FISH	6	WORK TIGHT HOLE F/ 4000 T/3985 HOLE PACKING OFF
	04:30 - 05:00	0.50	CIRC	2	CIRC & SPOT HIGH VIS PALEMER PILL F/ 4000 T/ 3250
	05:00 - 06:00	1.00	TRP	1	POOH TO RUN CSG.
3/11/2008	06:00 - 08:30	2.50	TRP	2	POOH TO RUN CSG
	08:30 - 09:00	0.50	OTH		PULL WEAR BUSHING
	09:00 - 09:30	0.50	CSG	1	C/O BAILES
	09:30 - 10:00	0.50	CSG	1	PJSM WITH FRANKS, RIG CREW, CO MAN
	10:00 - 11:30	1.50	CSG	1	R/U CSG CREW
	11:30 - 15:30	4.00	CSG	2	RUN CSG. 89 JT 7 5/8, P-110, 29.7#
	15:30 - 17:00	1.50	CIRC	1	CIRC & BLOW HOLE, R/D CSG CREW
	17:00 - 19:30	2.50			LAND MANDRILL IN MBS & SET ISOLATION TOOL
	19:30 - 21:30	2.00	CMT	1	R/U HALLIBURTON
	21:30 - 00:00	2.50	CMT	2	HOLD SAFETY MTG, TEST LINES, CEMENT CSG
	00:00 - 01:30	1.50	CMT	1	R/D HALLIBURTON
	01:30 - 06:00	4.50	OTH		R/D BLOCIE LINE & RIG UP FLOW LINE
3/12/2008	06:00 - 08:00	2.00	TRP	1	P/U 4 4/3" DC
	08:00 - 09:00	1.00	TRP	1	P/U MWD TOOL & SCRIB MOTOR

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/12/2008	09:00 - 13:00	4.00	TRP	2	RIH
	13:00 - 15:00	2.00	DRL	4	TAG CEMENT @ 3855 DRLG CEMENT & FLOAT@3890 & SHOE@ 3984
	15:00 - 16:00	1.00	EQT	2	DRLG NEW HOLE F/ 4000 T/ 4017, CIRC HOLE CLEAN, DO FIT TEST, 8.3 + 629=11.3
	16:00 - 06:00	14.00	DRL	2	DIRECTIONAL DRLG F/ 4017 T/ 4605 WOB 9. TDRPM 35, 70 STK=203GPM, MOTOR .56 RPG=114 RPM TOTAL RPM 145, SPP 988, DIFF PRESS 280, MW 8.4,VIS 30
3/13/2008	06:00 - 10:30	4.50	DRL	2	DRLG F/ 4605 T/ 4728'.
	10:30 - 11:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	11:00 - 06:00	19.00	DRL	1	DRILLED FROM 4728 TO 5440'.
3/14/2008	06:00 - 08:30	2.50	DRL	2	DRILLED FROM 5440 TO 5505'.
	08:30 - 09:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	09:00 - 06:00	21.00	DRL	2	DRILLED FROM 5505 TO 6060'.
3/15/2008	06:00 - 08:30	2.50	DRL	2	DRILLED FROM 6060 TO 6185'.
	08:30 - 09:00	0.50	RIG	1	SERVICE RIG AND TOP DRIVE
	09:00 - 21:30	12.50	DRL	1	DRILLED SLIDING 40' 6185 T/ 6207, 6282 T/ 6300 ROTARY DRILLED FROM 6185' T/ 6427'.
	21:30 - 22:30	1.00	CIRC	1	CIRCULATED AND BUILT PILL.
	22:30 - 03:00	4.50	TRP	13	TRIPPED OUT OF THE HOLE FOR SUSPECT FAILED MOTOR.
	03:00 - 04:00	1.00	TRP	1	C/O MWD TOOL AND MOTOR AND BIT.
3/16/2008	04:00 - 06:00	2.00	TRP	10	TRIPPED IN THE HOLE W/ NEW BIT AND MOTOR, AND MWD
	06:00 - 08:00	2.00	TRP	10	TRIPPED IN THE HOLE 6282'.
	08:00 - 09:00	1.00	REAM	1	SAFETY WASH AND REAM FROM 6282 TO 6427'.
	09:00 - 12:30	3.50	DRL	2	DIRECTIONALLY DRILLED FROM 6427 TO 6477'.
	12:30 - 13:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	13:00 - 03:30	14.50	DRL	2	DRILLED FROM 6477 TO 6766'.
	03:30 - 04:30	1.00	RIG	2	CHANGED OUT STANDPIPE VALVE.
3/17/2008	04:30 - 06:00	1.50	DRL	1	DRILLED FROM 6766 TO 6815'.
	06:00 - 06:30	0.50	DRL	1	DRILLED FROM 6815 TO 6863'.
	06:30 - 07:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	07:00 - 06:00	23.00	DRL	1	DRILLED FROM 7249 TO 7415'.
3/18/2008	06:00 - 13:30	7.50	DRL	1	DRILLED FROM 7415 TO 7540'. (S LIDE F/ 7443- 7473)
	13:30 - 14:00	0.50	RIG	1	SERVICE RIG AND TOP DRIVE.
	14:00 - 06:00	16.00	DRL	1	DRILLED FROM 7540 TO 7735'. (SLIDE FROM 7670 T/ 7692)
3/19/2008	06:00 - 14:30	8.50	DRL	1	DRILLED FROM 7735 TO 7832'. SLIDE (F/ 7734- 7754.)
	14:30 - 15:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	15:00 - 04:00	13.00	DRL	1	DRILLED FROM 7832 TO 7955'. (SLIDE F/ 7841- 7861', 7929- 7955'.
3/20/2008	06:00 - 12:00	6.00	TRP	10	TRIPPED OUT OF THE HOLE.
	12:00 - 13:30	1.50	TRP	1	C/O BIT MOTOR AND MWD TOOL.
	13:30 - 16:00	2.50	TRP	10	TRIPPED IN THE HOLE W/ BIT # 5.
	16:00 - 16:30	0.50	RIG	1	SERVICED RIG.
	16:30 - 18:30	2.00	TRP	10	FINISHED TRIP IN THE HOLE.
	18:30 - 19:00	0.50	REAM	1	WASHED AND REAMED 180' TO BOTTOM.
	19:00 - 06:00	11.00	DRL	1	DRILLED FROM 7955 TO 8219'. (SLIDE FROM 7955 TO 7970', 8055 TO 8085', 8155 TO 8170'.)
3/21/2008	06:00 - 13:30	7.50	DRL	1	DRILLED FROM 8219 - 8316'.
	13:30 - 18:00	4.50	RIG	1	SERVICED RIG AND CHANGED OIL IN TOP DRIVE.
	18:00 - 20:30	2.50	DRL	1	TOOK GAS KICK @ 8512 DRILLED PRODUCTION @ 8395 T/ 8400'. CIRCULATED THRU CHOKE RAISING WEIGHT TO 9.3# TO KILL.
3/22/2008	20:30 - 06:00	9.50	DRL	1	DRILLED FROM 8416 TO 8636'.
	06:00 - 12:00	6.00	DRL	1	DIRECTIONALLY DRILL F/ 8636 TO 8675'.
	12:00 - 12:30	0.50	CIRC	1	PUMP SLUG AND CHECK F/ FLOW.
	12:30 - 18:00	5.50	TRP	12	TRIPPED OUT FOR V POWER TOOL OF SCHLUMBERGER,

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/22/2008	18:00 - 19:30	1.50	TRP	1	CHANGED OUT BHA, LAYED DOWN MUD MOTOR UP SCHLUMBERGER V POWER TOOL.
	19:30 - 21:30	2.00	TRP	12	TRIPPED IN THE HOLE TO THE SHOE.
	21:30 - 22:30	1.00	RIG	6	SLIPPED AND CUT DRILLING LINE.
	22:30 - 00:00	1.50	TRP	12	TRIPPED IN THE HOLE W/ V POWER TOOL.
	00:00 - 01:00	1.00	REAM	1	SAFETY WASH AND REAM FROM 8525 TO 8675'.
3/23/2008	01:00 - 06:00	5.00	DRL	1	DRILLED FROM 8675 TO
	06:00 - 13:00	7.00	DRL	1	DRILLED WITH POWER V TOOL FROM 8794 TO 8989'.
	13:00 - 13:30	0.50	RIG	1	SERVICED RIG
	13:30 - 03:30	14.00	DRL	1	DRILLED FROM 8989' 9437'.
	03:30 - 04:00	0.50	CIRC	1	CHECK FOR FLOW AND PUMPS.
3/24/2008	04:00 - 06:00	2.00	DRL	1	DRILLED FROM 9437 TO 9445'.
	06:00 - 11:30	5.50	DRL	1	DRILLED FROM 9445 TO 9670'.
	11:30 - 12:00	0.50	RIG	1	SERVICED RIG AND TOP DRIVE.
	12:00 - 17:30	5.50	DRL	1	DRILLED FROM 9670 TO 9855'.
	17:30 - 18:00	0.50	RIG	2	CHANGED OUT HYDRAULIC VALVE ON THE TOP DRIVE.
3/25/2008	18:00 - 06:00	12.00	DRL	1	DRILLED FROM 9855 TO 10118'.
	06:00 - 09:00	3.00	DRL	1	DRILLED FROM 10118 TO 10152'.
	09:00 - 09:30	0.50	CIRC	1	CHECK F/ FLOW AND PUMP PILL.
	09:30 - 13:30	4.00	TRP	10	TRIPPED OUT OF THE HOLE FOR BIT # 8.
	13:30 - 15:00	1.50	TRP	1	C/O BIT AND MWD. CLEANED SCREEN ON POWER V TOOL.
3/26/2008	15:00 - 19:30	4.50	TRP	10	TRIPPED IN THE HOLE FILLING PIPE AT THE SHOE.
	19:30 - 20:00	0.50	REAM	1	WASHED AND REAMED
	20:00 - 21:00	1.00	CIRC	1	CIRCULATED GAS OUT.
	21:00 - 06:00	9.00	DRL	1	DRILLED FROM 10152 TO 10441'.
	06:00 - 11:30	5.50	DRL	1	DRILLED FROM 10441 TO 10538'.
3/27/2008	11:30 - 12:00	0.50	RIG	1	SERVICED RIG
	12:00 - 06:00	18.00	DRL	1	DRILLED FROM 10538 TO 10960'.
	06:00 - 14:00	8.00	DRL	1	DRLG F/ 10960 T/ 11121
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE
	14:30 - 16:30	2.00	DRL	1	DRLG F/ 11121 T/11153 WOB 18/20, RPM 80/90, MW 9.2 STK 75, SPP 2150, DRILLING FLARE 10', CONN FLARE 25'
3/28/2008	16:30 - 19:30	3.00	CIRC	1	FLOW CHECK, FLOWING @ 5BBL HR COND MUD INCREASE MW TO 9.3, SHUT WELL IN AND CIRC OUT KICK.
	19:30 - 21:00	1.50	DRL	1	DRLG F/ 11153 T/ 11166 WOB 18/20, RPM 80/90, STK 75. SPP 2200, DRILLING FLARE 0" MW IN 9.4 MW OUT 9.3 RUNNING 12 BBL H2O
	21:00 - 22:30	1.50	CIRC	1	CIRC, BUILD SLUG, RUNNING 12 BBL HR TO REDUCE MW
	22:30 - 23:30	1.00	OTH		FLOW CHECK & PUMP SLUG
	23:30 - 05:00	5.50	TRP	2	POOH, FLOW CHECK @ SHOE & BHA
3/29/2008	05:00 - 06:00	1.00	TRP	2	CHECK MWD, L/D POWER V & BIT
	06:00 - 07:00	1.00	OTH		P/U MOTOR & BIT, TEST MOTOR
	07:00 - 12:00	5.00	TRP	2	RIH, WASH F/ 10969 T/ 11166
	12:00 - 13:30	1.50	CIRC	1	CIRC TRIP GAS THROUGH CHOKE 60' FLARE, GAS 7180 UNITS
	13:30 - 06:00	16.50	DRL	1	DRLG F/ 11166 T/ 11360 WOB 8/11, DHRPM 65, TDRPM 30, STK 85, 245 GPM, MOTOR .26 RPG, SPP 1225 PSI, 5400 UNITS GAS, 3' DRILLING FLARE MW IN 9.3 OUT 9.2
3/29/2008	06:00 - 11:00	5.00	DRL	1	DRLG F/ 11360 T/ 11420 WOB 8/11, DHRPM 65, TDRPM 30/35, 245 GPM, SPP1300, 5' FLARE, 3000 UNITS GAS, MW 9.2
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE, C/O ROTATING HEAD
	11:30 - 12:30	1.00	DRL	1	DRLG F/ 11420 T/ 11424
	12:30 - 14:00	1.50	CIRC	1	CIRC OUT KICK, 50' FLARE, 8165 UNITS GAS, MW IN 9.2 OUT 9.1
	14:00 - 06:00	16.00	DRL	1	DRLG F/ 11424 T/ 11576 WOB 10/15, DHRPM 65/72, TDRPM 30/45, SPP 1345, 3700 UNIT GAS, MW IN 9.2 OUT 9.1

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/30/2008	06:00 - 12:30	6.50	DRL	1	DRLG F/ 11576 T/ 11655 WOB 10/15, DHRPM 68, TDRPM 30/45, 245 GPM, SPP 1580, 5' FLARE, 4500 UNITS GAS, MW 9.2
	12:30 - 13:00	0.50	RIG	1	RIG SERVICE
	13:00 - 13:30	0.50	RIG	2	TROUBLE SHOT SCR & REPAIR
	13:30 - 19:30	6.00	DRL	1	DRLG F/ 11655 T/ 11710 WOB 10/20, DHRPM 71, TDRPM30/45, GPM 275, SPP 1620, 5000 UNITS GAS, MW 9.2
3/31/2008	19:30 - 20:00	0.50	CIRC	1	FLOW CHECK, SPOT 30 BBL HEAVY PILL 11PPG
	20:00 - 06:00	10.00	TRP	2	POOH, SLM, TRIP CHECK BHA
	06:00 - 07:00	1.00	OTH		TRIP CHECK BHA, SLM DEPTH 11713, DRILLERS DEPTH 11710
	07:00 - 07:30	0.50	TRP	2	C/O BIT & MWD
	07:30 - 11:30	4.00	TRP	2	RIH, FILL PIPE @ 4000 & 9700
	11:30 - 13:00	1.50	CIRC	1	CIRC OUT GAS, FLARE 65' MAX GAS 9480 UNITS
	13:00 - 13:30	0.50	TRP	2	RIH, FILL PIPE @ 11219
	13:30 - 14:30	1.00	CIRC	1	CIRC OUT HEAVY PILL
	14:30 - 15:00	0.50	TRP	2	TIH T/ 1115
	15:00 - 15:30	0.50	REAM	1	SAFETY WASH & REAM TO BOTTOM
4/1/2008	15:30 - 06:00	14.50	DRL	1	DRLG F/ 11710 T/ 11880 WOB 8/12, DHRPM 71, TDRPM 38, 261 GPM, SPP 1490, 5/10' FLARE, 5588 UNITS GAS
	06:00 - 11:00	5.00	DRL	1	DRLG F/ 11880 T/ 11898 WOB 10/15, DHRPM 68, TDRPM 42, GPM 249, SPP 1587, 5' FLARE, MW 9.2, ROP 3.6
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE
4/2/2008	11:30 - 06:00	18.50	DRL	1	DRLG F/ 11898 T/ 12088 WOB 10/20, DHRPM 68, TDRPM 42, GPM 249, SPP 1575, 5/10' FLARE, 3777 UNITS GAS, MW 9.2 ROP 10.2
	06:00 - 14:00	8.00	DRL	1	DRLG F/ 12088 T/ 12189 WOB 20, DHRPM 66, TDRPM 42, 255 GPM, SPP 1645, 5/10' FLARE, 4500 UNITS GAS, MW 9.2
4/3/2008	14:00 - 14:30	0.50	RIG	1	RIG SERVICE
	14:30 - 19:00	4.50	DRL	1	DRLG F/ 12189 T/ 12225 WOB 20, DHRPM 66, TDRPM 42, 255 GPM, SPP 1700, 5/10' FLARE, 4220 UNITS GAS, MW 9.2
	19:00 - 21:00	2.00	CIRC	1	CIRC
	21:00 - 21:30	0.50	OTH		FLOW CHECK, FLOWING @ 4.5 BBL HR
	21:30 - 23:30	2.00	CIRC	1	CIRC THROUGH CHOKE, MAX GAS 8910, 5 TO 10' FLARE, MAX FLARE 60'
	23:30 - 02:00	2.50	CIRC	1	CIRC THROUGH GAS BUSTER, MAX GAS 5532, 5 TO 10' FLARE MAX 35'
	02:00 - 02:30	0.50	OTH		FLOW CHECK, FLOWING @ 3BBL HR
	02:30 - 04:30	2.00	CIRC	1	CIRC THROUGH GAS BUSTER, MAX GAS 7797, 5 TO 10' FLARE MAX 45'
	04:30 - 05:00	0.50	OTH		FLOW CHECK, FLOWING @ 3 BBL HR
	05:00 - 06:00	1.00	CIRC	1	CIRC THROUGH GAS BISTER, INCREASE MUD NT F/ 9.2+ T/ 9.3
	06:00 - 12:00	6.00	CIRC	1	CIRC @ 12225', BRUIG MW F/ 9.2+ T/ 9.3, MIL CARB 2.5# PER BBL, MICA 2.8# PER BBL, LOSSES 10 BBL HR
	12:00 - 12:30	0.50	OTH		FLOW CHECK,
	12:30 - 13:30	1.00	CIRC	1	CIRC BOTTOMS UP, MW IN 9.3, OUT 9.2+
13:30 - 15:00	1.50	TRP	14	SHORT TRIP F/ 12225 T/ 11220	
15:00 - 15:30	0.50	REAM	1	WASH & REAM F/11995 T/ 12225	
15:30 - 18:00	2.50	CIRC	1	CIRC & COND, MW IN 9.3, OUT 9.3, MIL CARB 3# PER BBL, MICA 3# PER BBL, LOSSES 6.5 BBL HR	
18:00 - 18:30	0.50	OTH		FLOW CHECK	
18:30 - 19:30	1.00	CIRC	1	CIRC BOTTOMS UP, MAX GAS 4970, FLARE 35'	
19:30 - 21:00	1.50	CIRC	1	PUMP & SPOT 110 BBL 11.2 HEAVY PILL, FLOAT NOT HOLDING,	
21:00 - 21:30	0.50	CIRC	1	PUMP 40 BBL 11.2 MUD TO DRY PIPE	
21:30 - 23:00	1.50	TRP	2	POOH 44 STANDS,	
23:00 - 00:00	1.00	CIRC	1	CIRC BOTTOMS UP @ 7900' MAX GAS 5550 FLARE 40'	
00:00 - 00:30	0.50	OTH		FLOW CHECK	
00:30 - 05:30	5.00	TRP	2	POOH FOR LOGGS	
05:30 - 06:00	0.50	TRP	1	L/D MONEL's & MWD TOOL	

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/4/2008	06:00 - 06:30	0.50	TRP	1	MOTOR & BIT
	06:30 - 08:30	2.00	LOG	1	HOLD SAFETY MTG & RIG UP SCHLUMBERGER
	08:30 - 16:00	7.50	LOG	1	RIH & LOGG WITH TRIPLE COMBO & SONIC
	16:00 - 17:00	1.00	LOG	1	R/D SCHLUMBERGER
	17:00 - 20:30	3.50	TRP	2	RIH T/ 8500'
	20:30 - 22:00	1.50	CIRC	1	STAGE INTO HOLE, CIRC OUT GAS & 11.2 MUD, MAX GAS 6782. FLARE 40'
	22:00 - 23:00	1.00	TRP	2	RIH T/ 10500
	23:00 - 00:30	1.50	CIRC	1	CIRC @ 10500, MAX GAS 8285, FLARE 50'
	00:30 - 02:00	1.50	TRP	2	RIH T/ 11965
4/5/2008	02:00 - 02:30	0.50	REAM	1	SAFETY WASH F/ 11965 T/ 12225
	02:30 - 05:00	2.50	CIRC	1	CIRC & LOWER MUD WT TO 9.3
	05:00 - 06:00	1.00	OTH		FLOW CHECK & SPOT 11.2 PILL
	06:00 - 06:30	0.50	CIRC	1	CIRC & COND @ 12225' GAS 7200 UNITS, FLARE 12'
	06:30 - 07:30	1.00	CIRC	1	SPOT 100 BBL 11.2 HEAVY PILL
	07:30 - 09:30	2.00	TRP	2	POOH T/ 7900'
	09:30 - 10:30	1.00	CIRC	1	CIRC BOTTOMS UP @ 7900' GAS 6670 UNITS, FLARE 10' FLOW CHECK & PUMP SLUG
	10:30 - 12:00	1.50	TRP	2	POOH T/ 4915'
	12:00 - 12:30	0.50	TRP	2	FLOW CHECK
	12:30 - 14:00	1.50	TRP	2	POOH T/ 1420' (BHA)
	14:00 - 14:30	0.50	TRP	2	FLOW CHECK
	14:30 - 15:30	1.00	TRP	2	POOH
	15:30 - 16:30	1.00	LOG	1	HOLD SAFETY MTG & R/U SCHLUMBERGER
	16:30 - 20:00	3.50	LOG	4	RIN WITH SIDE WALL CORE & CUT CORES
	20:00 - 21:00	1.00	LOG	1	SIDE WALL CORE TOOL STUCL @ 11370'
21:00 - 03:00	6.00	FISH	4	WATE ON FISHING TOOLS	
03:00 - 04:00	1.00	FISH	4	HOLD SAFETY MTG WITH UNIT, SCHLUMBERGER, SLAUGH & QUESTAR PERSONAL ON CUTTING & THREADING OVER WIRE LINE	
4/6/2008	04:00 - 06:00	2.00	FISH	4	RIG UP AND SLAUGH TO GO FISHING FOR SIDE WALL CORE TOOL
	06:00 - 07:00	1.00	FISH	5	R/U TO STRIP IN HOLE OVER WIRE LINE, BALES TO SHORT TOP DRIVE PIPE HANDLER DAMAGES SCHLUMBERGER WIRE LINE
	07:00 - 18:00	11.00	WOT	4	WO 14' BALES
	18:00 - 19:00	1.00	FISH	5	R/U BALES & EQUIPMENT TO STRIP IN HOLE
	19:00 - 21:00	2.00	FISH	5	TRIP IN HOLE STRIPING WIRE LINE TO 500'
	21:00 - 23:00	2.00	FISH	5	CIRC THROUGH CHOKE @ 20 SPM & BUILD HEAVY PILL (13.3PPG) AND SPOT 25 BBL
	23:00 - 00:00	1.00	FISH	5	TRIP IN HOLE STRIPINGG WIRE LINE TO 1029'
	00:00 - 02:00	2.00	FISH	5	CIRC THROUGH CHOKE @ 44 SPM & PUMP 43 BBL SLUG 13.3 PPG MAX GAS 5182, FLARE 15'
	02:00 - 03:00	1.00	FISH	5	TRIP IN HOLE STRIPPING WIRE LINE TO 1680
	03:00 - 03:30	0.50	FISH	5	CIRC THROUGH CHOKE & FILL DRILL PIPE WITH 13.3 MUD
4/7/2008	03:30 - 06:00	2.50	FISH	5	TRIP IN HOLE STRIPPING WIRE LINE, PUMP DRY JOB EVERY 6 TO 8 STANDS
	06:00 - 12:00	6.00	FISH	5	TRIP IN HOLE STRIP OVER WIRE LINE T/ 8018
	12:00 - 13:00	1.00	FISH	5	CIRC @ 8018 MAX GAS 6754, FLARE 25
	13:00 - 15:00	2.00	FISH	5	TRIP IN HOLE STRIP OVER WIRE LINE 10050'
	15:00 - 17:00	2.00	FISH	5	CIRC BOTTOMS UP @ 10050 MAX GAS 7853, FLARE 12'
	17:00 - 18:30	1.50	FISH	5	TRIP IN HOLE STRIP OVER WIRE LINE T/ 11220
	18:30 - 21:00	2.50	FISH	5	CIRC @ 11220 GAS 6966 FLARE 10'
	21:00 - 22:00	1.00	FISH	5	FLOW CHECK PUMP & SPOT HEAVY PILLMW 11.3
	22:00 - 23:30	1.50	FISH	5	WORK OVER SHOT, CAUGHT FISH
	23:30 - 01:30	2.00	FISH	5	PULL OUT OF ROPE SOCKET & SPOOL LINE ONTO SCHLUMBERGER'S

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: UNIT

Spud Date: 2/21/2008
 Rig Release: 4/10/2008
 Rig Number: 232

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/7/2008	23:30 - 01:30	2.00	FISH	5	TRUCK
	01:30 - 04:30	3.00	FISH	5	POOH T/ 8000'
	04:30 - 06:00	1.50	FISH	5	CIRC BOTTOMS UP & C/O BALES
4/8/2008	06:00 - 07:00	1.00	FISH	5	CIRC BOTTOMS UP @ 8000' MAX GAS 4246, FLARE 35' MW 9.5
	07:00 - 12:00	5.00	FISH	5	POOH FLOW CHECK @ 8050, 4041& 1040
	12:00 - 13:30	1.50	FISH	5	L/D FISH & FISHING TOOLS
	13:30 - 15:30	2.00	TRP	2	M/U BIT & RUN IN HOLE TO 4041
	15:30 - 17:00	1.50	RIG	6	CUT & SLIP DRLG LINE
	17:00 - 18:30	1.50	TRP	2	RIH T/ 8500,
	18:30 - 19:30	1.00	CIRC	1	CIRC @ 8500, MAX GAS 8811 UNITS, FLARE 15'
	19:30 - 20:30	1.00	TRP	2	RIH F/ 8500 T/ 10430
	20:30 - 22:30	2.00	CIRC	1	CIRC BOTTOMS UP @ 10430 MAX GAS 8157, FLARE 20'
	22:30 - 00:00	1.50	TRP	2	RIH T/ 12225
	00:00 - 03:00	3.00	CIRC	1	CIRC @ 12225' MAX GAS 5623, FLARE 20' SAFETY MTG & RIG UP LAY DOWN TRUCK
	03:00 - 04:30	1.50	CIRC	1	FLOW CHECK & SPOT HEAVY PILL MW 11.3
	04:30 - 06:00	1.50	TRP	3	L/D DP
4/9/2008	06:00 - 15:30	9.50	TRP	3	L/D DP F/ 12225 T/ 0 FLOW CHECK @ 12225, 7861& 4034
	15:30 - 16:30	1.00	OTH		PULL WEAR BUSHING & L/D HANDLING TOOLS
	16:30 - 18:30	2.00	CSG	1	HOLD SAFETY MTG & RIG UP CASG CREW
	18:30 - 02:30	8.00	CSG	2	HOLD SAFETY MTG & RUN 4 1/2" CSG TO 8500'
	02:30 - 04:00	1.50	CIRC	1	CIRC @ 8500' MAX GAS 7845 UNITS, MAX FLARE 65'
	04:00 - 05:30	1.50	CSG	2	RUN 4 1/2 CSG T/ 10512'
	05:30 - 06:00	0.50	CIRC	1	CIRC @ 10512'
4/10/2008	06:00 - 07:00	1.00	CIRC	1	CIRC @10512 MAX GAS 7448 FLARE 15'
	07:00 - 09:00	2.00	CSG	2	RUN 4 1/2' CSG F/ 10512 T/ 12220
	09:00 - 12:30	3.50	CIRC	1	CIRC & COND MUD @ 12220 LOWERING MW TO 9.3 MAX GAS
	12:30 - 13:30	1.00	CSG	7	SET AND PACKOFF a SECTION
	13:30 - 14:00	0.50	CSG	1	RIG DOWN CASING TOOLS.
	14:00 - 15:30	1.50	CMT	1	HELD SAFETY PRE JOB MEETING WITH HALLIBURTON AND RIG CREWS.
	15:30 - 19:00	3.50	CMT	2	CEMENTED 4.5" CASING W/ HALLIBURTON SERVICES. SEE CEMENT DETAIL.
	19:00 - 01:00	6.00	WOT	1	HELD PRESSURE ON CASING BLEED OFF.
	01:00 - 06:00	5.00	BOP	1	aTTEMPT TP BREAK OUT LANDING JOINT AND NIPPLE DOWN.
4/11/2008	06:00 - 12:00	6.00	BOP	1	BACKED OFF LANDING JOINT FINISHED NIPPLE DOWN.
	12:00 - 06:00	18.00	LOC	4	RIGGED DOWN BY HAND. LAYED DOWN TOP DRIVE AND RIGGED DOWN TRAVEL RAILS HOSES FLOOR, WINTERIZING, FLOOR PLATES. RIG RELEASED AT 1200 HOURS ON 4/10/08.

Operations Summary Report - Completion

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/22/2008	06:00 - 16:00	10.00	WOT	4	"TIGHT HOLE": Project: Completion of well On 4/21/08 move out Basin Well Service to Flat Rock while remaining off location while waiting on facilities. Report discontinued until further activity. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'
4/24/2008	06:00 - 16:00	10.00	WOT	3	"TIGHT HOLE": Project: Completion of well On 4/23/08 MI Basin Well Service and related equipment. Could not rig up due to wind. On 4/24/08 will RU and run a gauge ring and CBL/VDL, pressure test and perforate initial zone if all plans go well. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'
4/25/2008	06:00 - 16:00	10.00	LOG	2	"TIGHT HOLE": Project: Completion of well On 4/24/08 RU Basin Well Service. MIRU Cased Hole Solutions and ran a gauge ring for 4-1/2" 13.5# csg. from surface to tag at 12115'. Run a CBL/VDL/GR log from 12105' to 3800' with top of cement est. at 4350'. Correlated to the Schlumberger Platform Express log dated 4/3/08 (run #1). Attempt to pressure test csg and all surface equipment and had pump problems with testing unit. SDFN. Prior to dring wireline work had nipped down the WH and NU 7" 10M# BOP stack. On 4/25/08 will attempt to re-test csg. and surface equipment and flowback manifold and perorate and start in hole with packer and tbg...
4/28/2008	06:00 - 16:00	10.00	BOP	2	"TIGHT HOLE": Project: Completion of well On 4/25/08 SICP=0#. RU Quick Test and test csg., BOP stack and flow back manifold and all related equipment to 9000# and OK. RDMO Quick Test. RU Cased Hole Solutions and perforate the following Keyente interval at 3 JPF using a 3-1/8" csg. gun and 120° phasing 11830-40' (30 holes) per the CBL log dated 4/24/08. Csg. went on a slight vacuum after perforating and was full prior to perforating. RDMO Cased Hole Solutions. RIH with 4-1/2" HD ret. packer and 2-3/8" 4.7# EUE 8rd P-110 tbg. to 9015' and SIFN. On 4/28/08 will continue to RIH with packer and set and breakdown perms. with water and swab. On 4/26/08 SITP and SICP=0#. Continue in the hole with packer and tbg. and set packer at 10570' with 1.81" "F" nipple at 10533'. Test packer and csg. to 1000# and held OK. Break down perms. down tbg. with break at 2500# and pump 10 bbl. of 2% KCL water down tbg. at 1-1/2 BPM at 2200# with ISIP=1500#. Bled off tbg..RU swab. IFL at surface. Make 8 swab runs and recovered 51 bbl. of water with FFL at 3200' and tbg. started to flow on a full 2" line to the pit with 200# FTP. Continue to flow test overnight. Put well on various chokes and well stabilized at 1000# on a 18/64" choke at 5:00PM and flowing dry gas. Had no fluid recovery after the initial 51 bbl. recovered. At 7:00AM on 4/27/08 FTP=980# and dry gas. On AM of 4/27/08 FTP=980# on a 18/64" choke and dry gas. Took gas analysis with the following results from Keyente perforated interval 11830-40'; N2=15% ; Methane=03.73%; CO2=1.77% Ethane=1.83%; BTU=1000 18; Sp Gr=0.597 SI the well due to flare lighting due to presumed static electricity. After a 2 hour SI period SITP=1700#. MIRU Hallburton acid crew and acidize Keyente Interval 11830-40' down

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/28/2008	06:00 - 16:00	10.00	BOP	2	<p>tbg.as follows: Tbg.was dry. Pump 5 bbl.of 2% KCL water and pump 1000 gal.of 15% HCL with additives with 45-7/8" Bio-balls spaced in the 1000 gal.of acid. Flush with 80 bbl.of 2% KCL water. Total load off 111 bbl..Max.rate=5 BPM; Ave.rate =4.2 BPM; Max.psi=4357#; Ave=3438#; ISIP=1650# in 2 minutes tbg on a vacuum. Had good ball action RDMO Halliburton. RU swab. IFL a at 4000'. Make 10 swab runs and recovered 47 bbl.of water and tbg.started to flow with 50# on a full 2" at 3:30PM. Continue to flow the well iin the pit on various chokes and at 6:30AM on 4/28/08 FTP=400# on a 28/64" choke at a rate of 1 bbl.per hour. Total of 62 bbl.recovered. Continue to flow.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 111 Minus daily recovery: 62 LLTR: 49</p> <p>Perfs: Keyente: 11830-40'</p>
4/29/2008	06:00 - 16:00	10.00	STIM	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/28/08 continue to flow well to clean up following acid job the previous day. From noon until 2:30PM the well stabalized at 200# FTP on 2-40/64" chokes with a very light mist of water with a PH of 6 with total recovery today of 65 bbl.of water. Well making less than 1 bbl.every 4 hours. Pump 40 bbl.of 2% KCL water down the tbg.to load and release packer at 10570'. SIFN. On 4/29/08 will POOH with packer and tbg.and set a CIBP on wireline over the Keyente and perforate next zone.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 49 Minus daily recovery: 3 Plus water today: 40 LLTR: 88</p> <p>Perfs: Keyente: 11830-40'</p>
4/30/2008	06:00 - 16:00	10.00	DEQ	2	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/29/08 SITP=600# and SICP=100#. Bled off csg..No fluid recovery. Finish POOH with tbg.and packer. MIRU Cased Hole Solutions wireline and set a 4-1/2" CIBP at 1180'. Tag plug after setting and OK. Perforate the following Entrada intervals at 3 JPF per the CBL log dated 4/24/08 using a 3 1/8" csg.gun with 120° phasing: 11408-13'; 11437-43'; 11560-62'; 11594-96' and 11670-71' (48 holes). IFL at 3970' and FFL at 4060'. Had a very slight blow after perforating. RDMO Cased Hole Solutions. Left well open to the pit for 3 hours with no flow or blow. SIFN. At 6:30AM on 4/29/08 SICP=0# and no flow or blow. Will attempt to RIH with packer and tbg.dependent on wind.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/30/2008	06:00 - 16:00	10.00	DEQ	2	<p>Load from yesterday:100 LLTR: 100</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96'</p>
5/1/2008	06:00 - 16:00	10.00	DEQ	2	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 4/30/08 SICP=0#. RIH with a 4-1/2" HD ret packer. 1 jt of tbq; 1.81" "F" nipple and 24 jts of tbq. and set packer at 10570' with "F" nipple at 10533'. Load csg. with 40 bbl. of 2% KCL water and test packer to 1000# and held OK. Load tbq. with 15 bbl. of 2% KCL water and break down Entrada perfs at 1400# and pump 10 bbl. of 2% KCL water at 1-1/2 BPM at 1600#. RU swab. IFL at surface. Make 9 swab runs and recovered 42 bbl. of water with FFL at 2100' and tbq. started to flow. Max. FL was 5900' while pulling from 8500'. Flowed the tbq. on various chokes for 3-1/2 hours and recovered an additional 25 bbl. of water with no fluid recovery the last 2-1/2 hours with a stabilized flow for 2-1/2 hours of FTP=1000# on a 18/64" choke and dry gas. SIFN. On 5/1/08 will take a gas sample and SI the well until AM on Sat 5/3/08 when the Entrada interval will be acidized.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:63 Minus daily recovery: 67 LLTR: 4 over</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/2/2008	06:00 - 16:00	10.00	DEQ	2	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/1/08 SITP=1250# after a 14 hour SI period and SICP=0# with packer set. Open tbq. on a 18/64" choke for 1-1/2 hours and took a gas sample with the following results from the gross perforated Entrada intervals as listed above: N2=1.11; Methane=92.64'; CO2=2.07; Ehtane=2.62'; BTU=1037.83'; Grav.=0.6151 RD gas tester and SI the well until AM of 5/2/08 when the Entrada will be acidized.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 4 over</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800'</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/2/2008	06:00 - 16:00	10.00	DEQ	2	Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/5/2008	06:00 - 16:00	10.00	STIM	1	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' Well was SI on 5/2/08 for completion of gas line. On 5/3/08 SITP=1250# and SICP=0# with packer set at 10570'. MIRU Halliburton acid crew and acidize gross perforated Entrada Interval 11408-11671' down tbg.as follows: Pump 5 bbl.of water followed by 4000 gal.of 15% HCL with additives with 75-7/8" Bio-balls spaced evenly in the acid and flush with 55 bbl.of 2% KCL water. Had good ball action. Total load of 156 bbl..Max.rate=5.4; Ave=4.8 BPM; Max.psi=3980#; Ave=3800#; ISIP=522#. RDMO Halliburton. RU swab. IFL at 2100'. Make 13 swab runs and recovered 64 bbl.of water and tbg.started to flow with FFL at 1000'. Continue to flow the well to clean up and flowed the well for an additional 6 hours with a final FTP=450# on a 40/64" choke and a very light mist of fluid and a final PH=7. Recovered a total of 104 bbl.of fluid between swabbing and flowing with no appreciable recovery of water the last hours. SI the well and turn well over to production department on 5/4/08. Tbg.is landed with a packer and in the BOP's with slips. Rig remains rigged up. Report discontinued until further activity. Flowing from the above Entrada perms... Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Minus daily recovery: 104 Plus water today: 156 LLTR: 52 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/6/2008	06:00 - 16:00	10.00	DEQ	2	"TIGHT HOLE": Project: Completion of well On 6/4/08 SITP and SICP=500#. Bled off well to 100# and pump 40 bbl.of 2% KCL water down tbg..Finish POOH with tbg.and packer and bottom hole assembly. SI the well until AM of 6/6/08 when a compsite BP will be set on wireline to isolate the Keyente and Entrada perms. All tbg.is 2-3/8" EUE 8rd 4.7# P-110. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Load from yesterday: 60 Plus water today: 40 LLTR: 100 Perfs: Keyente: 11830-40'

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/6/2008	06:00 - 16:00	10.00	DEQ	2	Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/12/2008	06:00 - 16:00	10.00	DEQ	2	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' On 5/9/08 SITP =1300# and SICP=0# with packer set. Pulled BHP bombs and made gradient stops on the way out of the hole. Return well to production department. On 5/12/08 scheduled to release packer packer and lay down tbg.. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' LLTR: 45?? Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/13/2008	06:00 - 16:00	10.00	DEQ	2	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' On 5/13/08 SITP=1300# and SICP=0# with packer set. Left well SI waiting on orders. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' LLTR: 45?? Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/14/2008	06:00 - 16:00	10.00	DEQ	2	"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' ON 5/13/08 SITP=1300# and SICP=0# with packer set at 10570'. Bled down tbg..Load tbg.with 50 bbl.of 2% KCL water. Release packer at 10570' and POOH with packer and lay down. RIH with 3-3/4" bit and tbg.to 3000' and SIFN. On 5/14/08 will drill out CIBP over the keyente perms. Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'

Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/14/2008	06:00 - 16:00	10.00	DEQ	2	<p>Load from yesterday: 45?? Plus water today: 50 LLTR: 95??</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/15/2008	06:00 - 16:00	10.00	TRP	10	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/14/08 SITP and SICIP=100#. Bled off well. Continue to RIH with bit and tbg. and tag fill at 11780'. RU foam unit and est.circ.after 2-3/4" hours with foam and clean out soft fill to CIBP at 11800' and drill out CIBP in 2-1/2 hours with foam unit. No difference in returns after drilling out plug. Continue in the hole and tag new PBTD at 12107'. Pull bit to 11300' and SIFN. On 5/15/08 will POOH with bit and RIH with packer and tbg. assembly. On AM of 5/15/08 SITP=1550# and SICIP=2100#.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
5/16/2008	06:00 - 16:00	10.00	TRP	10	<p>"TIGHT HOLE": Project: Completion of well Existing Entrada perfs. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71'</p> <p>On 5/15/08 SITP=1550# and SICIP=2100#. Bled off well to 100# and pump 20 bbl. of 2% KCL water down the tbg..POOH to 1500' with bit and tbg. and pump additional 40 bbl. to kill well as casing was flowing the entire time while POOH. POOH with bit and tbg..RIH with packer assembly to 10000' and had to pump an additional 40 bbl. top kill while RIH due to flow. SIFN. On 5/16/08 will continue to RIH with packer assembly and tbg..and land and swab well if necessary.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Minus daily recovery: 80 Plus water today: 100 LLTR: 40</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13';</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/16/2008	06:00 - 16:00	10.00	TRP	10	11437-43'; 11560-62'; 11594-96' 11670-71'
5/19/2008	06:00 - 16:00	10.00	OTH		"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' Having trouble receiving reports via fax machine. Will send in on AM of 5/21/08 Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Minus daily recovery: 80 Plus water today: 100 LLTR: 40 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/22/2008	06:00 - 16:00	10.00	OTH		"TIGHT HOLE": Project: Completion of well Existing Entrada perms. under testing: 11408-13'; 11580-82'; 11595-96'; 11670-71' Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211' Rig is off well. Still having trouble receiving reports—will complete report AM of 5/22/08 Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'
5/23/2008	06:00 - 16:00	10.00	OTH		"TIGHT HOLE": Project: Completion of well Rig is off well On 5/16/08 SITP=800# and SICP=850#. Bled down well and continue in hole and set Arrow-Set I packer at 11757'. Well had unloaded all fluid. Land tbg. In hanger and packer is set in compression. ND BOP's and NUWH. Trun well over to production department. On 5/19/08 RDMO Basin Well SErvice. Report discontinued until further activity. Entrada perms. are capable of producing up the casing and the keyente pers. can produce up the tbg... Tbg. Detail: X-N nipple (1.02'); 1 jt. of tbg. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbg.. Tbg. tail at 11794.57' and packer is set at 11757.75'.

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/23/2008	06:00 - 16:00	10.00	OTH		<p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Perfs: Keyente: 11830-40' covered by CIBP at 11800' Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/3/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>Resumption of report discontinued on 5/20/08 when Basin Well Service rigged down.</p> <p>On 6/2/08 MI Basin Well Service rig #3. Left well in same state as it was. On 6/3/08 will RU Basin WS and NDWH and NU BOP's and release packer and start to POOH with tbg.and packer and prepare to set composite BP on 6/4/08 so Entrada perfs.will be isolated to frac.</p> <p>Tbg.Detail: X-N nipple (1.02'); 1 jt.of tbg. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbg..Tbg.tail at 11794.57' and packer is set at 11757.75'.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/4/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>Resumption of report discontinued on 5/20/08 when Basin Well Service rigged down.</p> <p>On 6/3/08 SITP=1500# and SICP=1100#. Bled off tbg..Pump 20 bbl.of 2% KCLwater down the tbg...NDWH and NU 10M# BOP's. NU flowback manifold. Release packer at 11757' and pump 40 bbl.of 2% KCL water down the csg..POOH with tbg.and packer to 5785'. SIFN. On 6/4/08 will continue to POOH with tbg.and packer and prepare well for comp. BP On 6/6/08.</p> <p>Tbg.Detail: X-N nipple (1.02'); 1 jt.of tbg. (32.50'); 4' sub (4'); on-off tool (1.70'); Arrow-Set I packer (6.20'); 362 jts. of tbg..Tbg.tail at 11794.57' and packer is set at 11757.75'.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/4/2008	06:00 - 16:00	10.00	BOP	1	<p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Plus water today: 60 LLTR: 60</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/6/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/4/08 SITP and SICP=500#. Bled off well to 100# and pump 40 bbl.of 2% KCL water down tbg..Finish POOH with tbg.and packer and bottom hole assembly. SI the well until AM of 6/6/08 when a composite BP will be set on wireline to isolate the Keyente and Entada perfs.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 60 Plus water today: 40 LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/9/2008	06:00 - 16:00	10.00	STIM	3	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/6/08 did not do wireline work Left well SI. On 6/9/08 will set a composite BP over the Keyente perfs. and leave well SI pending frac work.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/10/2008	06:00 - 16:00	10.00	LOG	2	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/8/08 SICP=1400#. MIRU Cased Hole Solutions and wireline set a 4-1/2" compsite BP at 11780'. RDMO. Cased Hole solutions. Well will remain SI pending frac work. The Keyente and Entrada perfs. are now isolated in order to frac the Entrada perfs..Report discontinued until further activity.</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>LLTR: 100</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/17/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/16/08 MIRU Halliburton frac crew and Stinger WH Services. Install BOP isolation tool. RU Halliburton and frac Entrada gross perforated interval 11408 - 11671' down 4-1/2" csg.using a 70% quality CO2 40# Purgell 2% x-linked gel water system as follows: Pump a 14800 gal.pad and stage 1-4 ppg CRC 20/40 mesh sand in 17000 gal.of fluid and flush with 3700 gal.of clean volume. Flush was a 50% quality flush with a 20 bbl.water cap. Total of 99M# of sand anda total load of 815 bbl..Max.rate=47.3: Ave=41.8 BPM; Max.psi=7061#; Ave=5694#; ISIP=2269#; (FG=0.63). Total of 198 ton of CO2 used in frac. RDMO Stinger and Halliburton frac crew. Open the csg.at 4:45PM on a 40/64" choke with a SICP=1000#. Continue to flow the csg.on a 40/64" choke for 3 hours with a final FCP=450#. Open the csg.to a 64/64" choke at 8:00PM and at 6:30AM on 6/17/08 the csg.is flowing at a rate of 10 bbl.per hour of CO2 and water with a very slight trace of sand with a FCP=100# and a total recovery of 520 bbl..Continue to flow to clean up. LLR=295 bbl..</p> <p>All tbg.is 2-3/8" EUE 8rd 4.7# P-110.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 100 Minus daily recovery: 250 Plus water today: 815 LLTR: 395</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/18/2008	06:00 - 16:00	10.00	PTST	2	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6:30 AM on 6/17/08 FCP=100# on a 64/64" choke at a rate of 10 bbl.per hour of CO2 and water. Continue to flow the well until 6:00 PM between a 64/64" choke and a full open 2" and at 6:00PM on a 64/64" choke had a final FCP=400# with no water the last 3 hours with a small show of CO2and mostly methane gas and SIFN at 6:00PM on 6/17/08. On 6/18/08 will RIH with mill and tbg.to prepare to clean out well to PBTD. Well is currently only open in the Entrada intervals following the frac of the Entrada. Have a total recovery of 110 bbl.of water today.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 395 Minus daily recovery: 110 LLTR: 285</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/19/2008	06:00 - 16:00	10.00	FISH	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/18/08 SICP=1200#. Open well and bled off to 400#. Pump 60 bbl.of 2% KCL water to contain well. RIH with 3-3/4" mill with pump of bit sub with float and tbg. and tag at 11732'. Pull mill to 11700'. NU stripper rubber and power swivel and SIFN. On 6/19/08 will clean out sand and drill out composite BP and clean out well with foam unit. Have 63' of fill on top of plug.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday: 285 Minus daily recovery: 30 Plus water today: 60 LLTR: 315</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/20/2008	06:00 - 16:00	10.00	FISH	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/19/08 SITP=0# with float in the string and SICP=700#. MIRU foam unit and clean out with foam unit with 3-3/4" mill on bottom from tag at 11732' to composite BP at 11790' and drill out plug and took a 150# increase in flow back pressure and continue to RIH to 12113' with no tag. RD roam unit. POOH with tbg.to 1950' and SIFN. On 6/20/08 SITP=150# and SICP=1250#. Will finish POOH with mill and tbg.and RIH with packer assembly to isolate zones and get well to flow up tbg.and</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/20/2008	06:00 - 16:00	10.00	FISH	1	<p>csg.and land tbg.and ND BOP's and NUWH and turn well over to production.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:315 Minus daily recovery: 200 LLTR: 115</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/23/2008	06:00 - 16:00	10.00	FISH	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/20/08 SITP=150# and SICP=1250#. Bled off well and pump 40 bbl.of 2% KCL water down the tbg.to kill. Finish POOH with mill and tbg..RIH with Arrowset I packer assembly and tbg.and set packer at 11738' with tbg.tail at 11772'. Tbg.started to flow and flowed the tbg.for 3 hours and recovered 30 bbl.of water with a slight blow on the casing. SIFN.</p> <p>On 6/21/08 SITP =600# and SICP=1100#. Open csg.and tbg.and flowed both sides for 2 hours and cleaned up well. Land tbg.in hanger and ND BOP's. Pump 10 bbl.of water down the tbg.to kill and NUWH. Turn well over to the production department after having trouble with sinker bar assembly on swab mandrel so could not swab tbg..On 6/23/08 will either swab tbg.or RDMO basin WS#3.</p> <p>Tbg.Detail: wireline re-entry guide; XN nipple; 1 jt.of tbg; Arrow-set I packer; 4' sub; on-off tool seal assembly; 361 jts.of tbg.to surface. Tbg.is landed in 20M# compression. Tbg is landed in hanger. Packer at 11738' and tbg.tail at 11772', XN nipple at 11771', All depths are 21' KB.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:315 Minus daily recovery: 200 LLTR: 115</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>
6/24/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE": Project: Completion of well</p> <p>On 6/23/08 TP=300# with no flow and FCP=800# with packer set between Entrada and Keyente perfs..RU swab. IFL in tbg. at 5450', Make 7 runs and recovered 16 bbl.of water with FFL at 5000' and tbg.started to flow. Flow the tbg.for an additional 1-1/2 hours to the pit and recovered an additional 5 bbl.of water and tbg.dried up. RD swab and turn well over to production department. RDMO Basin WS #3. Report</p>

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Operations Summary Report

Well Name: FR 13P-20-14-20
 Location: 20- 14-S 20-E 26
 Rig Name: BASIN WELL SEREVICE

Spud Date: 2/21/2008
 Rig Release:
 Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/24/2008	06:00 - 16:00	10.00	SWAB	1	<p>discontinued.</p> <p>With packer set at 11736' the Entrada Intervals are producing up the csg.and the Keyente is producing up the tbg...</p> <p>Tbg.Detail: wireline re-entry guide; XN nipple; 1 jt.of tbg; Arrow-set I packer; 4' sub; on-off tool seal assembly; 361 jts.of tbg.to surface. Tbg.is landed in 20M# compression. Tbg is landed in hanger. Packer at 11738' and tbg.tail at 11772', XN nipple at 11771', All depths are 21' KB.</p> <p>Casing size: 4-1/2" 13.5# P-110 Casing depth: 12213' FC@ 12211'</p> <p>Load from yesterday:115 Minus daily recovery: 21 LLTR: 94</p> <p>Perfs: Keyente: 11830-40'</p> <p>Entrada: 4/29/08: 11408-13'; 11437-43', 11560-62'; 11594-96' 11670-71'</p>

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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 Deepen Plug Back Diff. Resvr.
 Other: ADD PERFORATIONS

5. Lease Serial No.
UTU-10164

2. Name of Operator
Questar Exploration & Production Co.

6. If Indian, Allottee or Tribe Name
UTE TRIBE

3. Address: **11002 EAST 17500 SOUTH - VERNAL, UT 84078**

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **560' FSL, 467' FWL, SWSW, SEC 20-T14S-R20E**

8. Lease Name and Well No.
FR 13P 20 14 20

At top prod. interval reported below
560' FSL, 467' FWL, SWSW, SEC 20-T14S-R20E

9. AFI Well No.
43-047-39226

At total depth **560' FSL, 467' FWL, SWSW, SEC 20-T14S-R20E**

10. Field and Pool or Exploratory
FLAT ROCK

11. Sec., T., R., M., on Block and Survey or Area **SEC 20-T14S-R20E**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **02/16/2008** 15. Date T.D. Reached **04/01/2008** 16. Date Completed **05/04/2008**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
7212' KB

18. Total Depth: **MD 12225'** 19. Plug Back T.D.: **MD 11470' CIBP** 20. Depth Bridge Plug Set: **MD 11470'**
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
N/A

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	11435'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Entrada	11406	11961	See Attachment One			
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
See Attachment One	See Attachment One

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH	2064'				
MESA VERDE	4105'				
DAKOTA SILT	10423'				
MORRISON	10812'				
CURTIS	11345'				
ENTRADA	11406'				
WINGATE	11962'				

32. Additional remarks (include plugging procedure):

This work was done from 2/20/09 - 3/23/09
 3/6/09 - Set CIBP @ 11,750'
 3/6/09 - Perf/Reperf Entrada f/11,406' - 11,672'
 3/17/09 - Set CIBP @ 11,470'
 3/20/09 - turn well over to production - All production is from the Entrada perforated interval.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other: REPERF/PERFORATION OF ENTRADA

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) JIM SIMONTON Title COMPLETION SUPERVISOR
 Signature *Jim Simonton (JCS)* Date 04/21/2009

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

(Continued on page 3)

(Form 3160-4, page 2)

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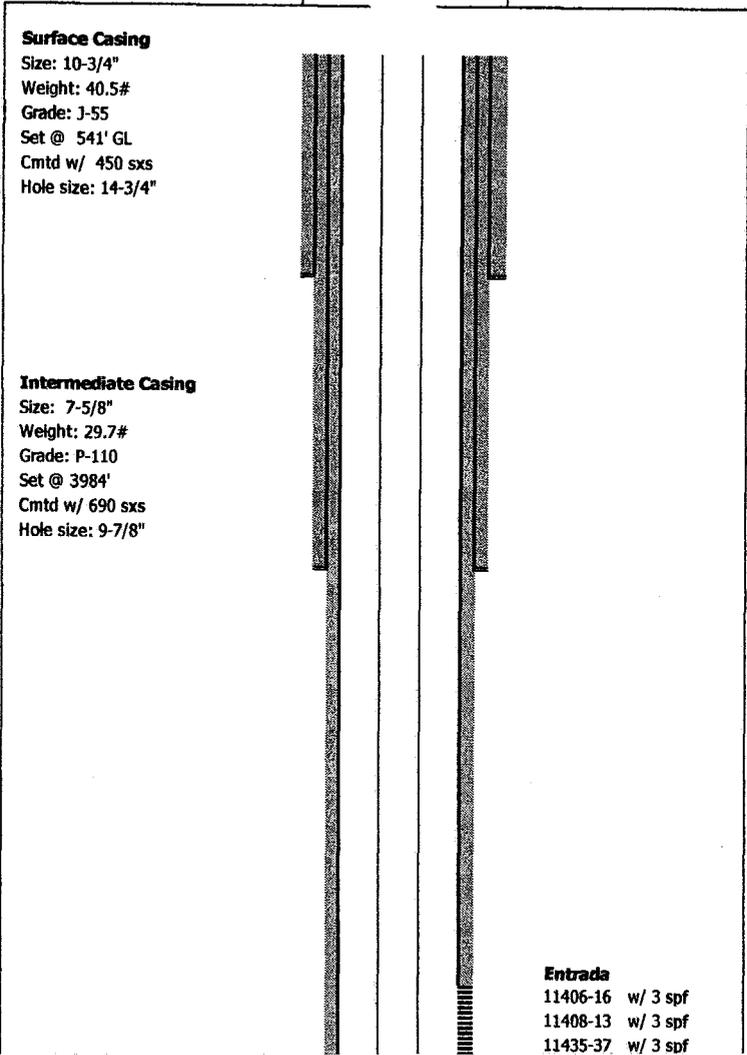
**FR 13P 20 14 20 – ATTACHMENT ONE
PERFORMANCE & STIMULATION DETAIL:**

Open Perfs	Stimulation					Perf Status
11406' – 11416' }						Open - Entrada
11435' – 11445' }						Open - Entrada
11457' – 11458' }						Open - Entrada
CIBP @ 11,470'						CIBP @ 11,470'
11486' – 11490' }						Closed - Entrada
11513' – 11515' }						Closed - Entrada
11529' – 11531' }						Closed - Entrada
11539' – 11543' }	Frac w/	74,200	Lbs in	27,552	Gals	Closed - Entrada
11560' – 11566' }						Closed - Entrada
11571' – 11577' }						Closed - Entrada
11593' – 11597' }						Closed - Entrada
11603' – 11605' }						Closed - Entrada
11615' – 11617' }						Closed - Entrada
11627' – 11635' }						Closed - Entrada
11668' – 11672' }						Closed - Entrada
CIBP @ 11,750'						CIBP @ 11,750'

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FIELD: FLAT ROCK	GL: 7,191 KBE: 7,212	Spud Date: 2/16/08	Completion Date: 5/23/08
Well: FR 13P-20-14-20	TD: 12,225 PBD: 12,211	Last day on well: 3/23/09	
Surface: 560' FSL, 467' FWL, SWSW, SEC 20-T14S-R20E Bottom: 620' FSL, 741' FWL, SWSW, SEC 20-T14S-R20E Uintah County, Utah		API: 43-047-39226	
Reason for Pull/Workover: Clean out, add Entrada Perfs & new Tbg Detail.			

Wellbore Schematic



Tubing Landing Detail:

Description	Size	Footage	Depth
KB		21.00	21.00
Hanger		0.85	21.85
359 jts 2-3/8" 4.7# P-110	2.375"	11,411.71	11,433.56
F-Niple	1.81"	0.91	11,434.47
Collar		0.44	11,434.91
			11,434.91
			11,434.91
			11,434.91
EOT @			11,434.91

TUBING INFORMATION

Condition: _____
 New: _____ Used: Rerun: _____
 Grade: _____ P-110 EUE Brd
 Weight (#/ft): _____ 4.7#

Sucker Rod Detail:

Size	#Rods	Rod Type

Rod Information

Condition: _____
 New: _____ Used: _____ Rerun: _____
 Grade: _____
 Manufacture: _____

Pump Information:

API Designation _____
 Example: 25 x 150 x RHAC X 20 X 6 X 2

Pump SN#: _____ Original Run Date: _____
 RERUN _____ NEW RUN _____

ESP Well

Cable Size:	_____	Flowing Well	SN @ _____ 11434'
Pump Intake @	_____	PKR @ _____	
End of Pump @	_____	EOT @ _____	11435'

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
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
7. UNIT or CA AGREEMENT NAME: See attached
8. WELL NAME and NUMBER: See attached
9. API NUMBER: Attached
10. FIELD AND POOL, OR WILDCAT: See attached

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

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

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

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

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

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

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

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

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

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

(This space for State use only)

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JUN 28 2010

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

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
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well_name	sec	tpw	rng	api	entity	mineral lease	type	stat	C
OU GB 10W-17-8-22	17	080S	220E	4304734625	13684	Federal	GW	P	
OU GB 9W-20-8-22	20	080S	220E	4304734630	13637	Federal	GW	P	
OU GB 10W-20-8-22	20	080S	220E	4304734631	13682	Federal	GW	P	
OU GB 15W-20-8-22	20	080S	220E	4304734632	13613	Federal	GW	P	
OU WIH 15MU-21-8-22	21	080S	220E	4304734634	13991	Federal	GW	P	
OU WIH 13W-21-8-22	21	080S	220E	4304734646	13745	Federal	GW	P	
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	P	
OU GB 13W-9-8-22	09	080S	220E	4304734654	13706	Federal	GW	P	
OU WIH 14W-21-8-22	21	080S	220E	4304734664	13720	Federal	GW	P	
OU GB 12WX-29-8-22	29	080S	220E	4304734668	13555	Federal	GW	P	
OU WIH 10W-21-8-22	21	080S	220E	4304734681	13662	Federal	GW	P	
OU GB 4G-21-8-22	21	080S	220E	4304734685	13772	Federal	OW	P	
OU GB 3W-21-8-22	21	080S	220E	4304734686	13746	Federal	GW	P	
OU GB 16SG-30-8-22	30	080S	220E	4304734688	13593	Federal	GW	P	
OU WIH 7W-21-8-22	21	080S	220E	4304734689	13716	Federal	GW	P	
OU GB 5W-21-8-22	21	080S	220E	4304734690	13770	Federal	GW	P	
WIH 1MU-21-8-22	21	080S	220E	4304734693	14001	Federal	GW	P	
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	
OU GB 7W-20-8-22	20	080S	220E	4304734705	13710	Federal	GW	P	
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	P	
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	P	
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	P	
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	P	
OU SG 12W-15-8-22	15	080S	220E	4304734714	13838	Federal	GW	P	
OU GB 5MU-15-8-22	15	080S	220E	4304734715	13900	Federal	GW	P	
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	P	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	
OU SG 10W-15-8-22	15	080S	220E	4304734719	13722	Federal	GW	P	
OU SG 2MU-15-8-22	15	080S	220E	4304734721	13887	Federal	GW	P	
OU SG 7W-15-8-22	15	080S	220E	4304734722	13920	Federal	GW	P	
OU GB 14SG-29-8-22	29	080S	220E	4304734743	14034	Federal	GW	P	
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	P	
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	
OU GB 6MU-21-8-22	21	080S	220E	4304734755	14012	Federal	GW	P	
OU SG 10W-10-8-22	10	080S	220E	4304734764	13751	Federal	GW	P	
OU GB 14M-10-8-22	10	080S	220E	4304734768	13849	Federal	GW	P	
OU SG 9W-10-8-22	10	080S	220E	4304734783	13725	Federal	GW	P	
OU SG 16W-10-8-22	10	080S	220E	4304734784	13781	Federal	GW	P	
SU BW 6M-7-7-22	07	070S	220E	4304734837	13966	Federal	GW	P	
GB 3M-27-8-21	27	080S	210E	4304734900	14614	Federal	GW	P	
WVX 11D-22-8-21	22	080S	210E	4304734902	14632	Federal	GW	P	
GB 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	P	
GB 9D-27-8-21	27	080S	210E	4304734956	14633	Federal	GW	P	
GB 1D-27-8-21	27	080S	210E	4304734957	14634	Federal	GW	P	
WRU EIH 2M-35-8-22	35	080S	220E	4304735052	13931	Federal	GW	P	
GH 12MU-20-8-21	20	080S	210E	4304735069	14129	Federal	GW	P	
OU SG 4W-11-8-22	11	080S	220E	4304735071	14814	Federal	GW	OPS	C
OU SG 5W-11-8-22	11	080S	220E	4304735072	14815	Federal	GW	OPS	C
SG 6ML-11-8-22	11	080S	220E	4304735073	14825	Federal	GW	P	
OU SG 5MU-14-8-22	14	080S	220E	4304735076	13989	Federal	GW	P	
OU SG 6MU-14-8-22	14	080S	220E	4304735077	14128	Federal	GW	P	

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

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
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well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RB DS FED 1G-7-10-18	07	100S	180E	4304735932	14457	Federal	OW	S	
RB DS FED 14G-8-10-18	08	100S	180E	4304735933	14433	Federal	OW	P	
OU SG 14MU-14-8-22	14	080S	220E	4304735950	14479	Federal	GW	P	
COY 12ML-24-8-24	24	080S	240E	4304736039	14592	Federal	OW	P	
WIH 1AMU-21-8-22	21	080S	220E	4304736060	14980	Federal	GW	P	
SU 8M-12-7-21	12	070S	210E	4304736096	16610	Federal	GW	OPS	C
NBE 4ML-10-9-23	10	090S	230E	4304736098	15732	Federal	GW	P	
NBE 8ML-10-9-23	10	090S	230E	4304736099	15733	Federal	GW	P	
NBE 16ML-10-9-23	10	090S	230E	4304736100	14728	Federal	GW	S	
SUBW 14M-7-7-22	07	070S	220E	4304736136	15734	Federal	GW	P	
NBE 8ML-12-9-23	12	090S	230E	4304736143	15859	Federal	GW	S	
GB 16D-28-8-21	28	080S	210E	4304736260	14981	Federal	GW	P	
NBE 5ML-10-9-23	10	090S	230E	4304736353	15227	Federal	GW	P	
NBE 7ML-10-9-23	10	090S	230E	4304736355	15850	Federal	GW	P	
NBE 3ML-10-9-23	10	090S	230E	4304736356	15393	Federal	GW	P	
EIHX 4MU-36-8-22	36	080S	220E	4304736444	14875	Federal	GW	P	
EIHX 3MU-36-8-22	36	080S	220E	4304736445	14860	Federal	GW	P	
EIHX 2MU-36-8-22	36	080S	220E	4304736446	14840	Federal	GW	S	
EIHX 1MU-36-8-22	36	080S	220E	4304736447	14861	Federal	GW	P	
NBE 7ML-26-9-23	26	090S	230E	4304736587	16008	Federal	GW	P	
NBE 8ML-26-9-23	26	090S	230E	4304736588	15689	Federal	GW	P	
NBE 1ML-26-9-23	26	090S	230E	4304736589	15880	Federal	GW	P	
NBE 2ML-26-9-23	26	090S	230E	4304736590	15898	Federal	GW	S	
NBE 3ML-26-9-23	26	090S	230E	4304736591	15906	Federal	GW	P	
NBE 5ML-26-9-23	26	090S	230E	4304736592	15839	Federal	GW	P	
NBE 9ML-10-9-23	10	090S	230E	4304736593	15438	Federal	GW	P	
NBE 11ML-10-9-23	10	090S	230E	4304736594	15228	Federal	GW	P	
NBE 15ML-10-9-23	10	090S	230E	4304736595	15439	Federal	GW	P	
NBE 2ML-17-9-23	17	090S	230E	4304736614	15126	Federal	GW	P	
NBE 4ML-17-9-23	17	090S	230E	4304736615	15177	Federal	GW	P	
NBE 6ML-17-9-23	17	090S	230E	4304736616	15127	Federal	GW	S	
NBE 10ML-17-9-23	17	090S	230E	4304736617	15128	Federal	GW	P	
NBE 14ML-17-9-23	17	090S	230E	4304736618	15088	Federal	GW	P	
NBE 9ML-26-9-23	26	090S	230E	4304736619	15322	Federal	GW	P	
NBE 10D-26-9-23	26	090S	230E	4304736620	15975	Federal	GW	S	
NBE 12ML-26-9-23	26	090S	230E	4304736621	15840	Federal	GW	P	
NBE 13ML-26-9-23	26	090S	230E	4304736622	15690	Federal	GW	P	
NBE 14ML-26-9-23	26	090S	230E	4304736623	15262	Federal	GW	P	
NBE 16ML-26-9-23	26	090S	230E	4304736624	15735	Federal	GW	P	
WF 1P-1-15-19	06	150S	200E	4304736781	14862	Indian	GW	P	
SG 3MU-23-8-22	14	080S	220E	4304736940	15100	Federal	GW	P	
NBE 5ML-17-9-23	17	090S	230E	4304736941	15101	Federal	GW	P	
TU 14-9-7-22	09	070S	220E	4304737345	16811	Federal	GW	OPS	C
WF 14C-29-15-19	29	150S	190E	4304737541	15178	Indian	GW	P	
NBE 2ML-10-9-23	10	090S	230E	4304737619	15860	Federal	GW	P	
GB 16ML-20-8-22	20	080S	220E	4304737664	15948	Federal	GW	P	
WVX 8ML-5-8-22	05	080S	220E	4304738140		Federal	GW	APD	C
WVX 6ML-5-8-22	05	080S	220E	4304738141		Federal	GW	APD	C
WVX 1MU-17-8-21	17	080S	210E	4304738156		Federal	GW	APD	C
GH 8-20-8-21	20	080S	210E	4304738157		Federal	GW	APD	C
WVX 4MU-17-8-21	17	080S	210E	4304738190		Federal	GW	APD	C

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

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

IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

Memorandum

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

From: Chief, Branch of Minerals

Roy L. Bankert

Subject: Name Change Recognized

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

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

cc: MMS
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS