

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

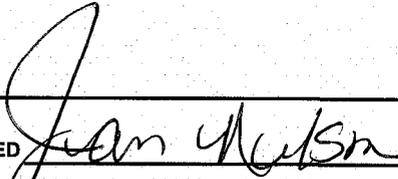
FORM APPROVED  
OMB NO. 1040-0136  
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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 11002 East 17500 South Vernal, Utah 84078		8. FARM OR LEASE NAME, WELL NO. FR 6P-20-14-20
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		9. API NUMBER: 43047-39809
Telephone number Phone 435-781-4331 Fax 435-781-4329		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 611373X 2110' FNL 2059' FWL, SENW, Section 20, T14S, R20E At proposed production zone 4382416Y 39.586117 -109.703104		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 20, T14S, R20E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 51+/- MILES FROM OURAY, UTAH		12. COUNTY OR PARISH Uintah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 2059' +/-		13. STATE UT
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 2,360' +/-		20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 7313.4' 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:

- 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   
 TITLE Regulatory Affairs

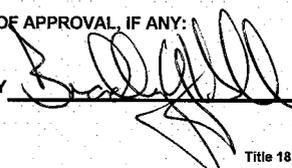
Name (printed/typed) Jan Nelson DATE 12/03/2007

(This space for Federal or State office use)

PERMIT NO. 43047-39809 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  TITLE BRADLEY G. HILL  
ENVIRONMENTAL MANAGER

DATE 12-17-07

\*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 to any officer or within its jurisdiction

RECEIVED

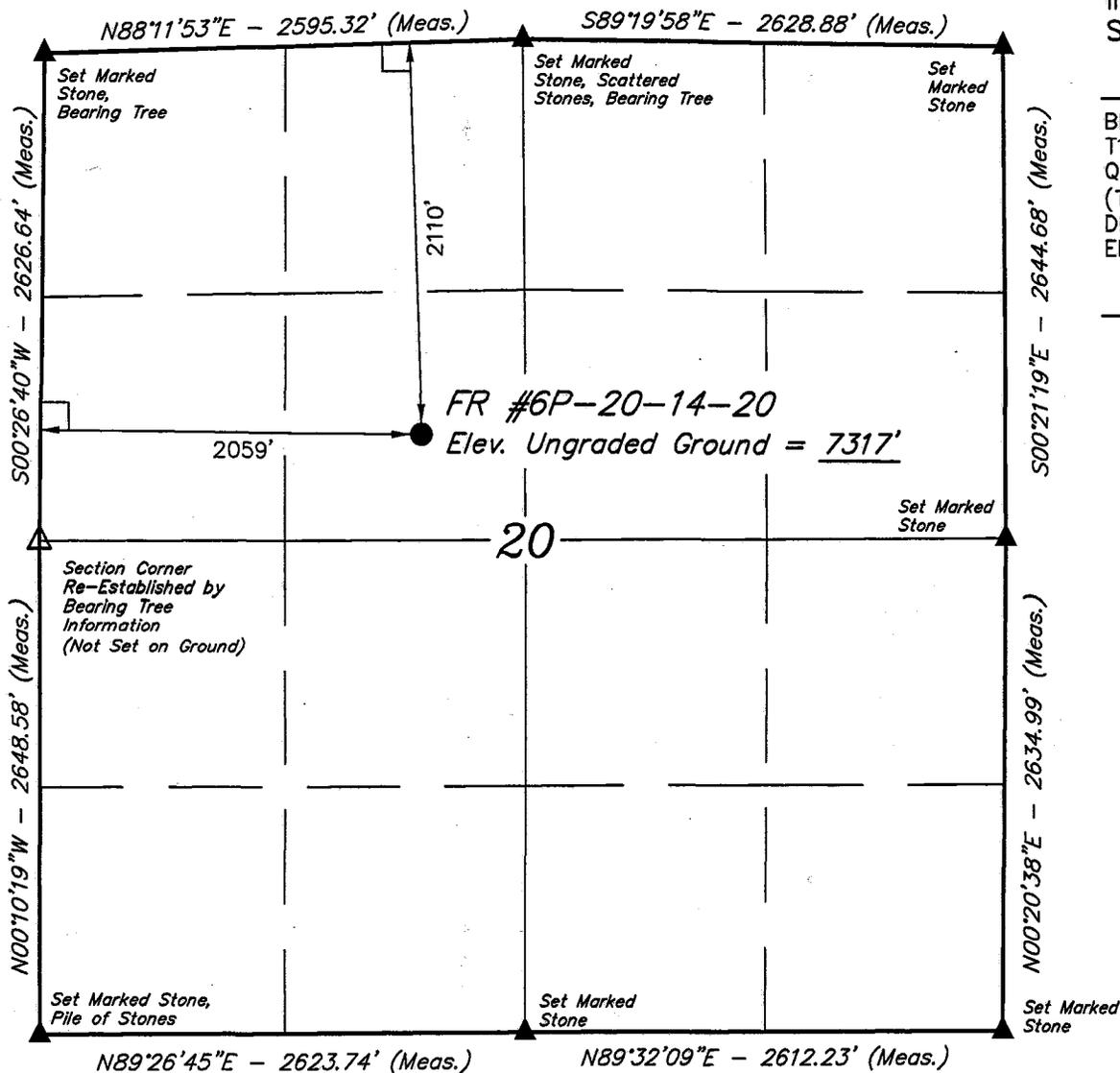
DEC 05 2007

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action Is Necessary

CONFIDENTIAL

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



### LEGEND:

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

(AUTONOMOUS NAD 83)  
 LATITUDE = 39°35'10.99" (39.586386)  
 LONGITUDE = 109°42'13.96" (109.703878)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 39°35'11.12" (39.586422)  
 LONGITUDE = 109°42'11.47" (109.703186)

## QUESTAR EXPLR. & PROD.

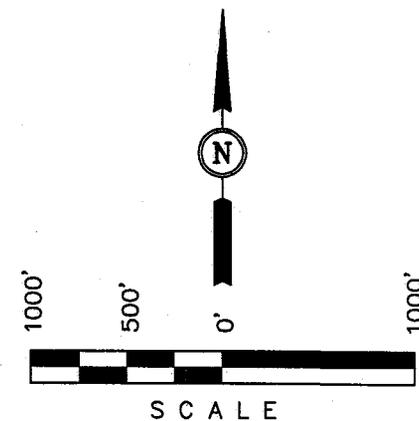
Well location, FR #6P-20-14-20, located as shown in the SE 1/4 NW 1/4 of Section 20, T14S, R20E, S.L.B.&M., Uintah County, Utah.

### 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, UTAH 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.

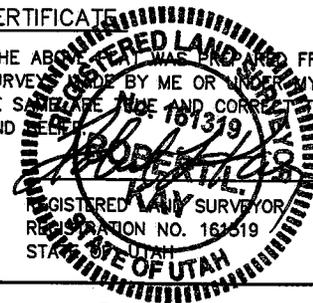
### BASIS OF BEARINGS

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



### CERTIFICATE

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



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

SCALE 1" = 1000'	DATE SURVEYED: 07-23-07	DATE DRAWN: 07-31-07
PARTY J.W. Q.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

### **Additional Operator Remarks**

Questar Explor. & Prod. Co. proposes to drill a well to 12,350' 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  
 QUESTAR EXPLORATION & PRODUCTION COMPANY  
 Flat Rock 6P-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	2355	2355	
Mesa Verde	4348	4348	Gas
Castlegate	6376	6376	
Mancos	7136	7136	
Dakota Silt	10,725	10,725	
Dakota	10,761	10,761	Gas
Cedar Mountain	10,896	10,896	
Morrison	11,091	11,091	
Curtis	11,643	11,643	
Entrada	11,741	11,741	Gas
Carmel	12,059	12,059	
Wingate	12,229	12,229	Gas
TD	12,350	12,350	

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	Mesaverde	4,348'	4,348'
Gas	Dakota	10,761'	10,761'
Gas	Entrada	11,741'	11,741'
Gas	Wingate	12,229'	12,229'

ONSHORE OIL & GAS ORDER NO. 1  
 QUESTAR EXPLORATION & PRODUCTION COMPANY  
 Flat Rock 6P-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	3800'	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 6P-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 – 3600 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 H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 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.

**BOP Requirements:**

Rotating Head

13-5/8" 10M Annular

13-5/8" 10M Double Ram

13-5/8" 10M Mud Cross

2" Kill Line

3" Choke Line

13-5/8" 10M Single Ram

G.L.

Mat Board

Mat Board

G.L.

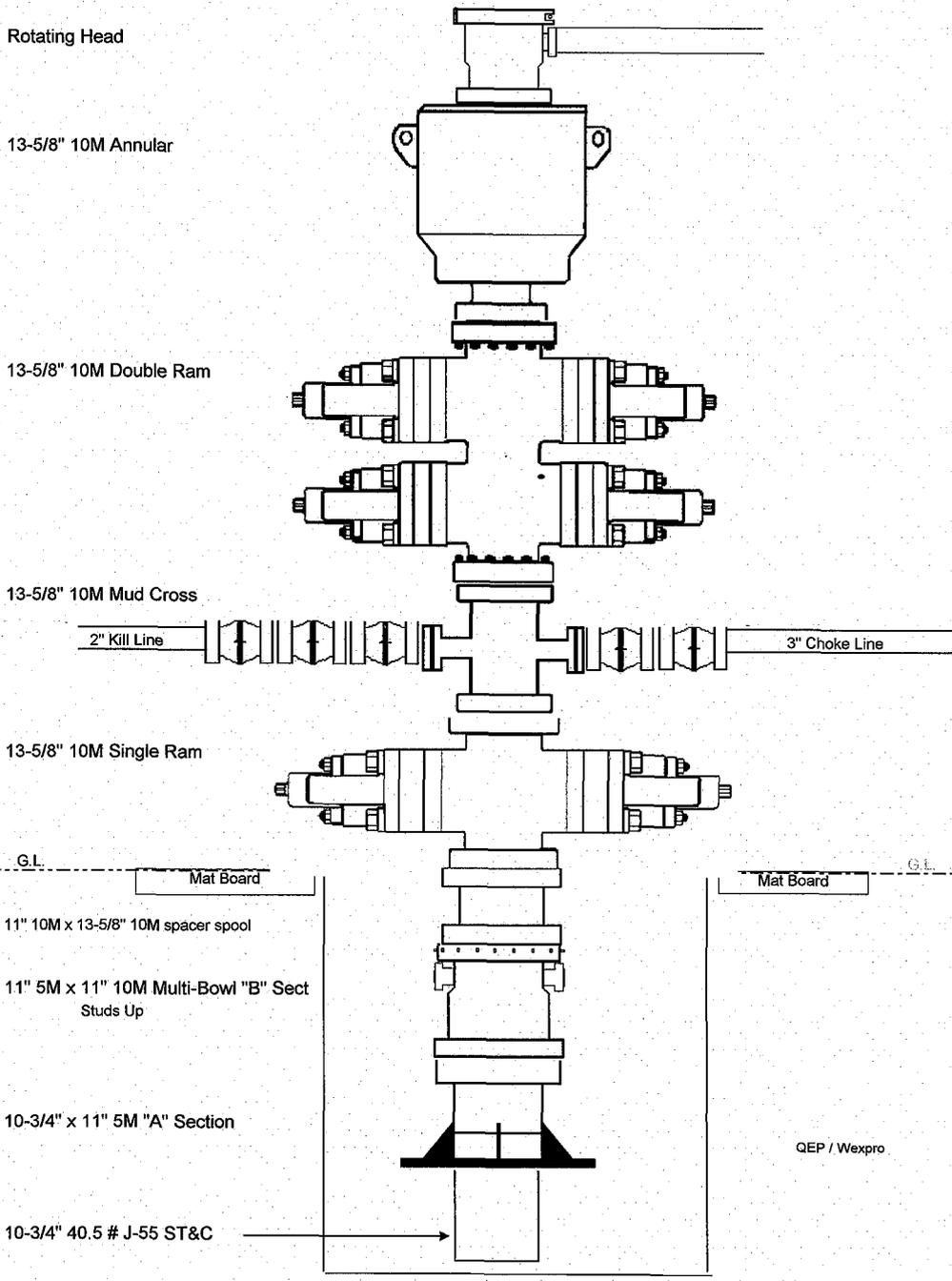
11" 10M x 13-5/8" 10M spacer spool

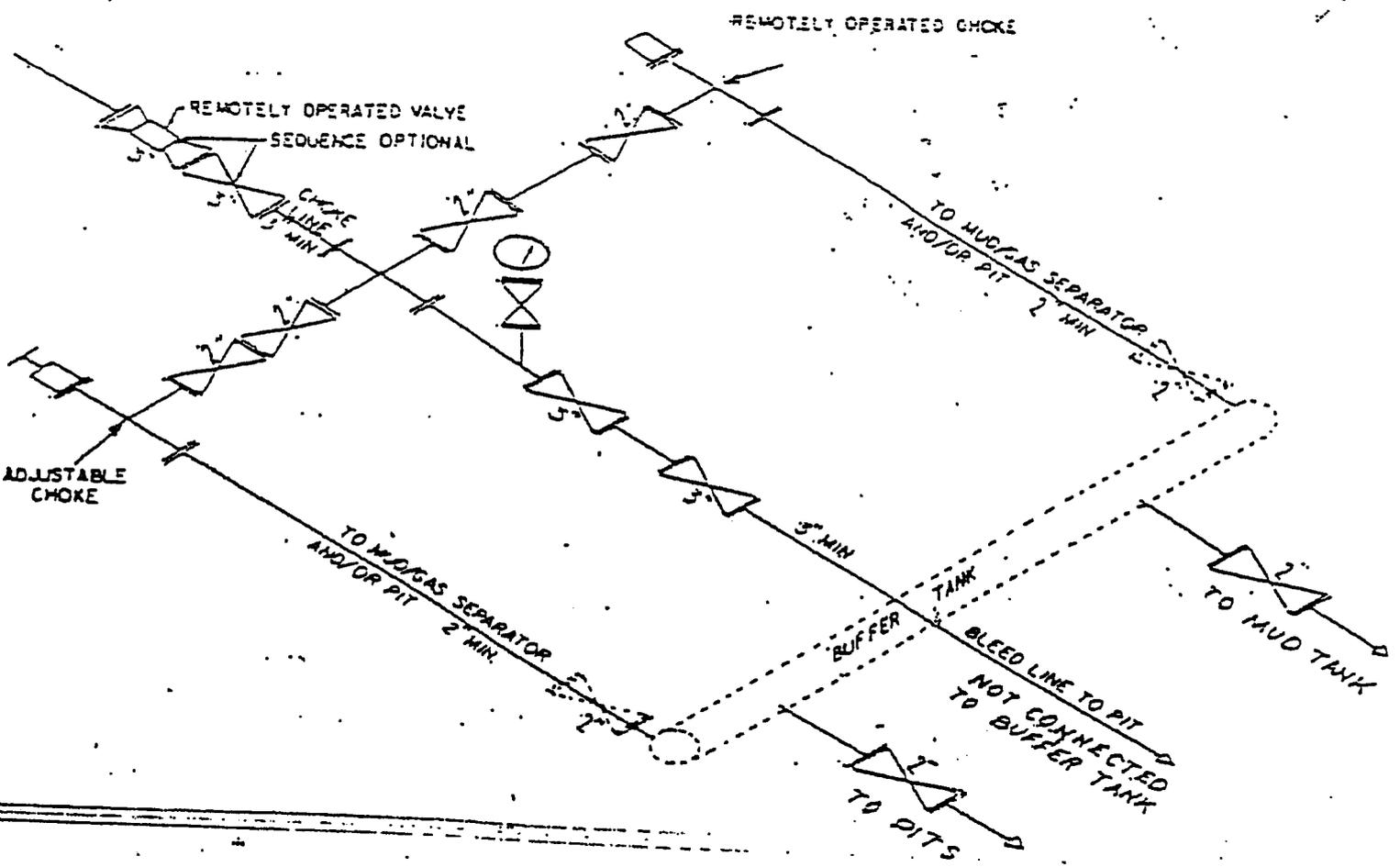
11" 5M x 11" 10M Multi-Bowl "B" Sect  
Studs Up

10-3/4" x 11" 5M "A" Section

10-3/4" 40.5 # J-55 ST&C

QEP / Wexpro

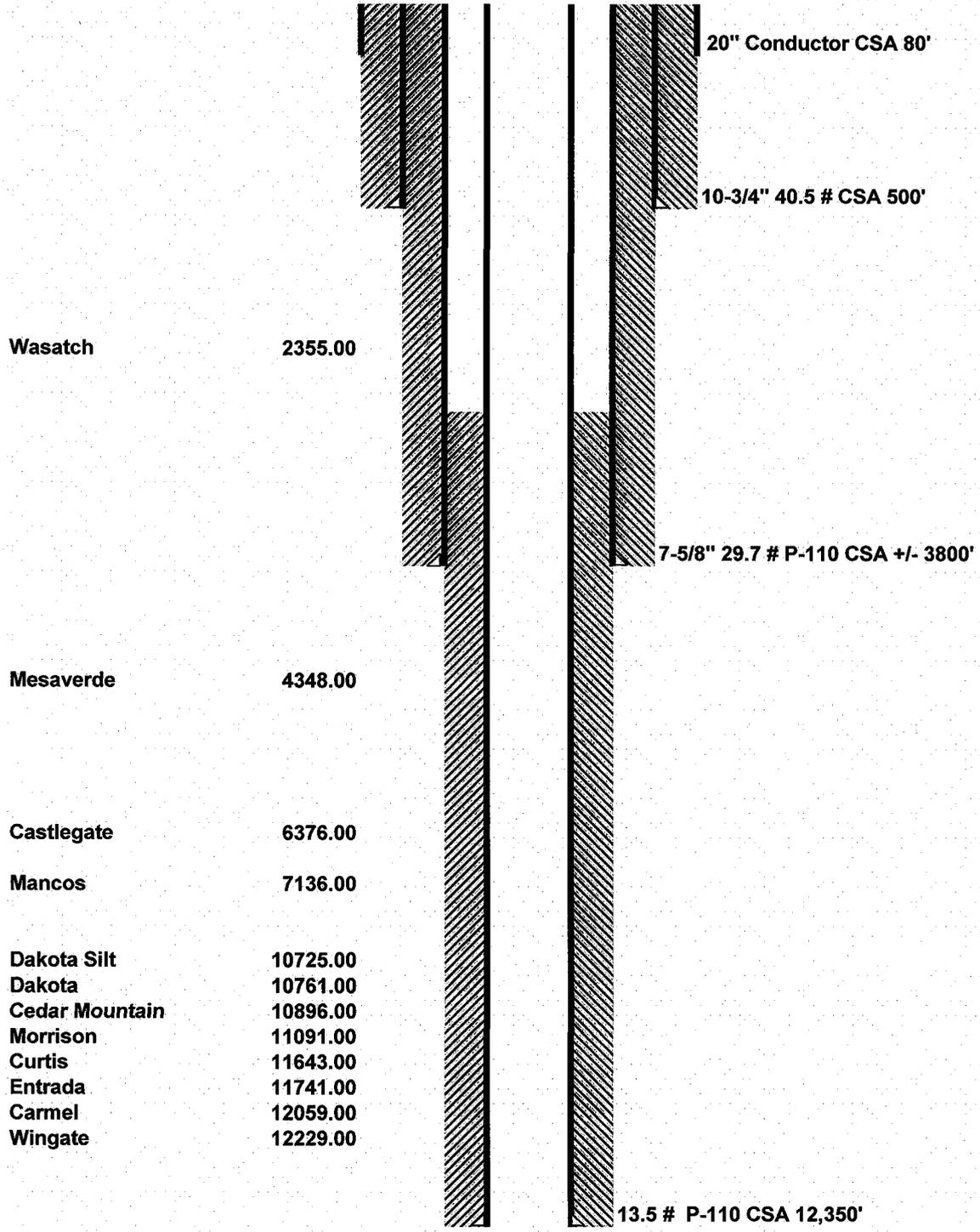




② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-26738 Filed 11-17-88; 2:45 am]  
BILLING CODE 4310-34-C

# Flat Rock 6P-20-14-20





**Q E P E-bill**

**1050 17th Street, Ste 500-do Not Ma  
Denver, Colorado 80265**

FR 6P-20-14-20  
Flat Rock Field  
Uintah County, Utah  
United States of America

# **Multi-String Cementing Recommendation**

Prepared for: Mr. Jim Davidson  
Office Number: 303-308-3090  
November 19, 2007  
Version: 146982-1

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

**HALLIBURTON**

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

## **Foreword**

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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 Kroger  
Procedure Analyst

Submitted by: \_\_\_\_\_

Aaron James  
Technical Advisor

SERVICE CENTER:  
SERVICE COORDINATOR:  
CEMENT ENGINEERS:

Vernal, UT  
Corey Reynolds  
Chris Cicirello  
Tyler Anderson  
Sean Jones

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 ft<sup>2</sup>  
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 ft<sup>2</sup>. 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 ft<sup>2</sup> 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

## Surface Casing

FR 6P-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
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**Calculations****Surface Casing****Spacer:**

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

**Cement : (500.00 ft fill)**

$$\begin{aligned} 500.00 \text{ ft} * 0.5563 \text{ ft}^3/\text{ft} * 100 \% &= 556.32 \text{ ft}^3 \\ \text{Total Primary Cement} &= 556.32 \text{ ft}^3 \\ &= 99.09 \text{ bbl} \\ \text{Sacks of Cement} &= 321 \text{ sks} \end{aligned}$$

**Shoe Joint Volume: (42.00 ft fill)**

$$\begin{aligned} 42.00 \text{ ft} * 0.5509 \text{ ft}^3/\text{ft} &= 23.14 \text{ ft}^3 \\ &= 4.12 \text{ bbl} \\ \text{Tail plus shoe joint} &= 579.46 \text{ ft}^3 \\ &= 103.21 \text{ bbl} \end{aligned}$$

**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

## 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

0.3 % D-AIR 3000 (Additive Material)  
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 ft<sup>3</sup>/sk  
Total Mixing Fluid: 9.34 Gal/sk  
Top of Fluid: 0 ft  
Calculated Fill: 500 ft  
Volume: 103.21 bbl  
Calculated Sacks: 321.21 sks  
Proposed Sacks: 325 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 ft<sup>3</sup>/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 V1	13.5	5.0	325 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****Intermediate Casing**

FR 6P-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 - 3800 ft (MD)
Inner Diameter	9.875 in
Job Excess	50 %
7-5/8" Intermediate Casing	0 - 3800 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

## Calculations

## 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 : (2200.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2338 \text{ ft}^3/\text{ft} * 0 \% &= 116.89 \text{ ft}^3 \\ 1700.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 547.63 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 664.52 \text{ ft}^3 \\ &= 118.36 \text{ bbl} \\ \text{Sacks of Cement} &= 264 \text{ sks} \end{aligned}$$

Cement : (1100.00 ft fill)

$$\begin{aligned} 1100.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 354.35 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 354.35 \text{ ft}^3 \\ &= 63.11 \text{ bbl} \\ \text{Sacks of Cement} &= 182 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} * 50 \% &= 161.07 \text{ ft}^3 \\ \text{Tail Cement} &= 161.07 \text{ ft}^3 \\ &= 28.69 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.2578 \text{ ft}^3/\text{ft} &= 10.83 \text{ ft}^3 \\ &= 1.93 \text{ bbl} \\ \text{Tail plus shoe joint} &= 171.90 \text{ ft}^3 \\ &= 30.62 \text{ bbl} \\ \text{Total Tail} &= 117 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 3800.00 \text{ ft} * 0.2578 \text{ ft}^3/\text{ft} &= 979.62 \text{ ft}^3 \\ &= 174.48 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 174.48 \text{ bbl} - 1.93 \text{ bbl} \\ &= 172.55 \text{ bbl} \end{aligned}$$

## Job Recommendation

## 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) Fluid Density: 9.20 lbm/gal

42 lbm/bbl Fresh Water (Base Fluid) 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

ELASTISEAL SYSTEM

1.5 % FDP-C760-04 (Fdp Additive)

Fluid Weight 14.30 lbm/gal

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

Total Mixing Fluid: 6.41 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 2200 ft

Volume: 118.36 bbl

Calculated Sacks: 263.56 sks

Proposed Sacks: 265 sks

Fluid 5: Foamed Lead Cement

ELASTISEAL SYSTEM

1.5 % FDP-C760-04 (Fdp Additive)

Fluid Weight 14.30 lbm/gal

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

Total Mixing Fluid: 6.41 Gal/sk

Top of Fluid: 2200 ft

Calculated Fill: 1100 ft

Volume: 63.11 bbl

Calculated Sacks: 181.79 sks

Proposed Sacks: 185 sks

Fluid 6: Tail Cement

ELASTISEAL SYSTEM

Fluid Weight 14.30 lbm/gal

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

Total Mixing Fluid: 6.40 Gal/sk

Top of Fluid: 3300 ft

Calculated Fill: 500 ft

Volume: 30.62 bbl

Calculated Sacks: 117.02 sks

Proposed Sacks: 120 sks

Fluid 7: Water Spacer  
Displacement

Fluid Density: 8.34 lbm/gal  
Fluid Volume: 307.70 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 ft<sup>3</sup>/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 Elastiseal	14.3	5.0	265 sks
5	Cement	11 ppg Foamed Elastiseal	14.3	5.0	185 sks
6	Cement	Unfoamed Elastiseal	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
<b>Stage 1</b>						
4	8.5 ppg Foamed Elastiseal	69.01bbl	8.5	8.5	23.3	287.8
5	11 ppg Foamed Elastiseal	47.60bbl	11.0	11.0	124.7	202.0

### Foam Design Specifications:

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

Calculated Gas = 18737.4 scf  
 Additional Gas = 40000 scf  
 Total Gas = 58737.4 scf

## Job Information

## Production Casing

FR 6P-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 - 3800 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	3800 - 12350 ft (MD)
Inner Diameter	6.500 in
Job Excess	40 %

4-1/2" Production Casing	0 - 12350 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
BHCT	180 degF

## Calculations

## 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 : (8850.00 ft fill)

$$\begin{aligned} 800.00 \text{ ft} * 0.1473 \text{ ft}^3/\text{ft} * 0 \% &= 117.88 \text{ ft}^3 \\ 8050.00 \text{ ft} * 0.12 \text{ ft}^3/\text{ft} * 40 \% &= 1352.30 \text{ ft}^3 \\ \text{Total Foamed Lead Cement} &= 1470.18 \text{ ft}^3 \\ &= 261.85 \text{ bbl} \\ \text{Sacks of Cement} &= 731 \text{ sks} \end{aligned}$$

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)

$$\begin{aligned} 42.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.52 \text{ ft}^3 \\ &= 0.63 \text{ bbl} \\ \text{Tail plus shoe joint} &= 87.51 \text{ ft}^3 \\ &= 15.59 \text{ bbl} \\ \text{Total Tail} &= 60 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12350.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1035.06 \text{ ft}^3 \\ &= 184.35 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 184.35 \text{ bbl} - 0.63 \text{ bbl} \\ &= 183.72 \text{ bbl} \end{aligned}$$

## Job Recommendation

## 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  
ELASTISEAL SYSTEM  
1.5 % FDP-C760-04 (Fdp Additive)

Fluid Weight 14.30 lbm/gal  
Slurry Yield: 1.47 ft<sup>3</sup>/sk  
Total Mixing Fluid: 6.41 Gal/sk  
Top of Fluid: 3000 ft  
Calculated Fill: 8850 ft  
Volume: 261.85 bbl  
Calculated Sacks: 730.62 sks  
Proposed Sacks: 735 sks

Fluid 5: Tail Cement  
ELASTISEAL SYSTEM

Fluid Weight 14.30 lbm/gal  
Slurry Yield: 1.47 ft<sup>3</sup>/sk  
Total Mixing Fluid: 6.40 Gal/sk  
Top of Fluid: 11850 ft  
Calculated Fill: 500 ft  
Volume: 15.59 bbl  
Calculated Sacks: 59.57 sks  
Proposed Sacks: 60 sks

Fluid 6: Water Spacer  
Displacement

Fluid Density: 8.34 lbm/gal  
Fluid Volume: 183.72 bbl

Fluid 7: Top Out Cement  
Premium Cement  
94 lbm/sk Premium Cement (Cement)  
12 % Cal-Seal 60 (Accelerator)  
3 % Calcium Chloride (Accelerator)

Fluid Weight 14.60 lbm/gal  
Slurry Yield: 1.55 ft<sup>3</sup>/sk  
Total Mixing Fluid: 7.35 Gal/sk  
Proposed Sacks: 75 sks

### 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	Elastiseal Foamed Lead	14.3	5.0	735 sks
5	Cement	Elastiseal Unfoamed Tail	14.3	5.0	60 sks
6	Spacer	Displacement	8.3	7.0	183.72 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
<b>Stage 1</b>						
4	Elastiseal Foamed Lead	191.29bb l	11.0	11.0	164.5	674.4

### Foam Design Specifications:

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

Calculated Gas = 82635.6 scf  
 Additional Gas = 40000 scf  
 Total Gas = 122635.6 scf

## 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](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.

QUESTAR EXPLORATION & PRODUCTION, CO.  
FR 6P-20-14-20  
2110' FNL 2059' FWL  
SENW, SECTION 20, T14S, R20E  
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 51 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 Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

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

Jan Nelson  
Red Wash Rep.  
Questar Exploration & Production, Co.  
11002 East 17500 South  
Vernal, Utah 84078  
(435) 781-4331

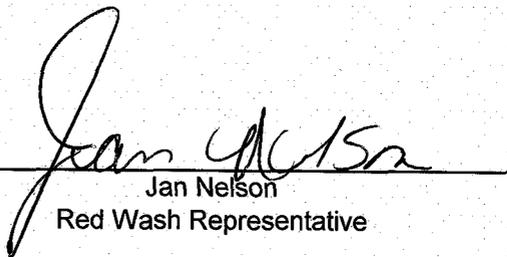
**Certification:**

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

QEP 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

\_\_\_\_\_  
03-Dec-07  
Date

# QUESTAR EXPLR. & PROD.

FR #6P-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: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



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

LOCATION PHOTOS

08 01 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: J.W.

DRAWN BY: C.P.

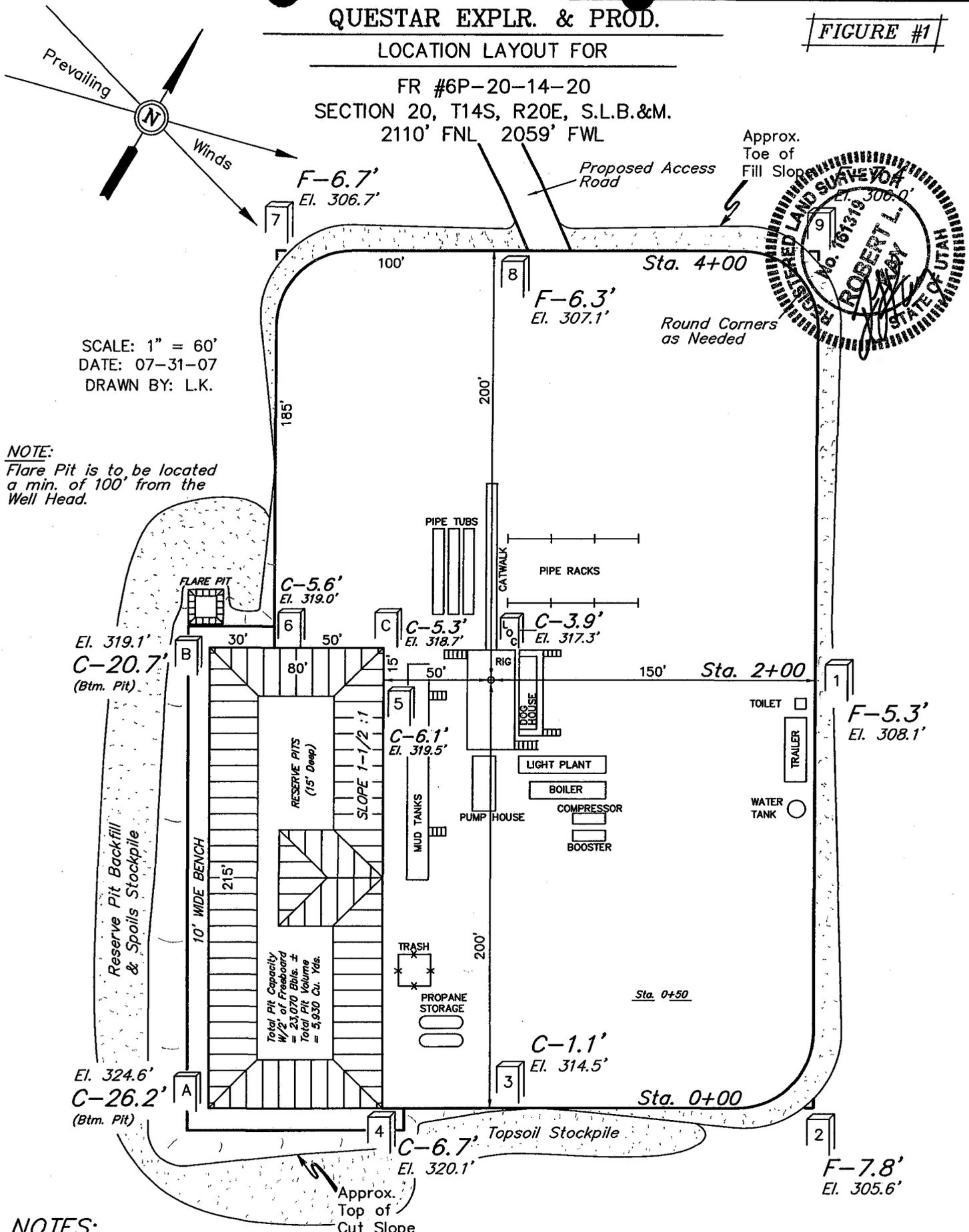
REVISED: 00-00-00

QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

FR #6P-20-14-20  
SECTION 20, T14S, R20E, S.L.B.&M.  
2110' FNL 2059' FWL



SCALE: 1" = 60'  
DATE: 07-31-07  
DRAWN BY: L.K.

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

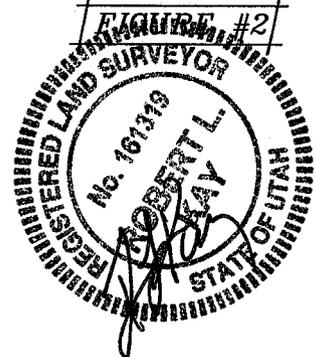
NOTES:

Elev. Ungraded Ground At Loc. Stake = 7317.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 7313.4'

**QUESTAR EXPLR. & PROD.**

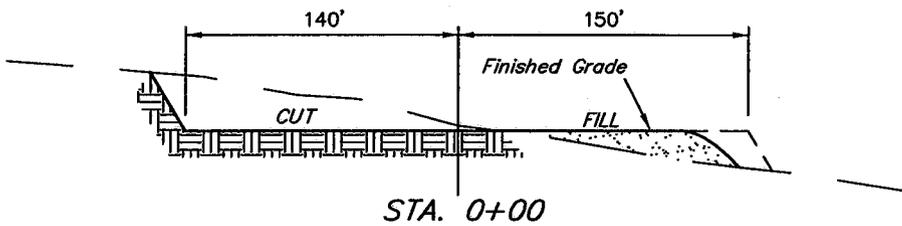
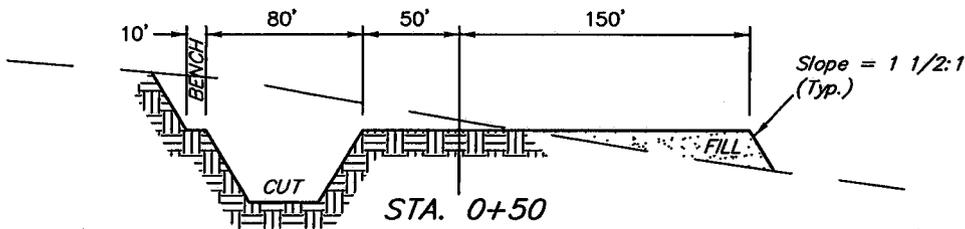
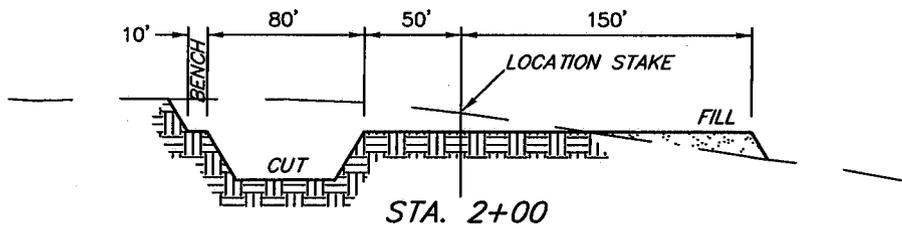
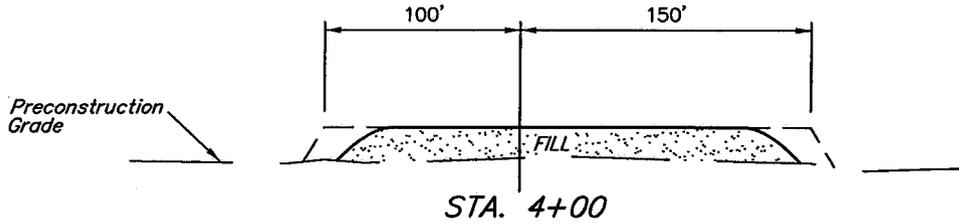
**TYPICAL CROSS SECTIONS FOR**

FR #6P-20-14-20  
SECTION 20, T14S, R20E, S.L.B.&M.  
2110' FNL 2059' FWL



1" = 40'  
X-Section Scale  
1" = 100'

DATE: 07-31-07  
DRAWN BY: L.K.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.176 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.395 ACRES  
PIPELINE DISTURBANCE = ± 0.566 ACRES  
TOTAL = ± 4.137 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

NOTE:

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

APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 4,770 Cu. Yds.  
Remaining Location = 14,370 Cu. Yds.  
  
TOTAL CUT = 19,140 CU.YDS.  
FILL = 11,400 CU.YDS.

EXCESS MATERIAL = 7,740 Cu. Yds.  
Topsoil & Pit Backfill = 7,740 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

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

**QUESTAR EXPLR. & PROD.**  
**INTERIM RECLAMATION PLAN FOR**

**FIGURE #3**

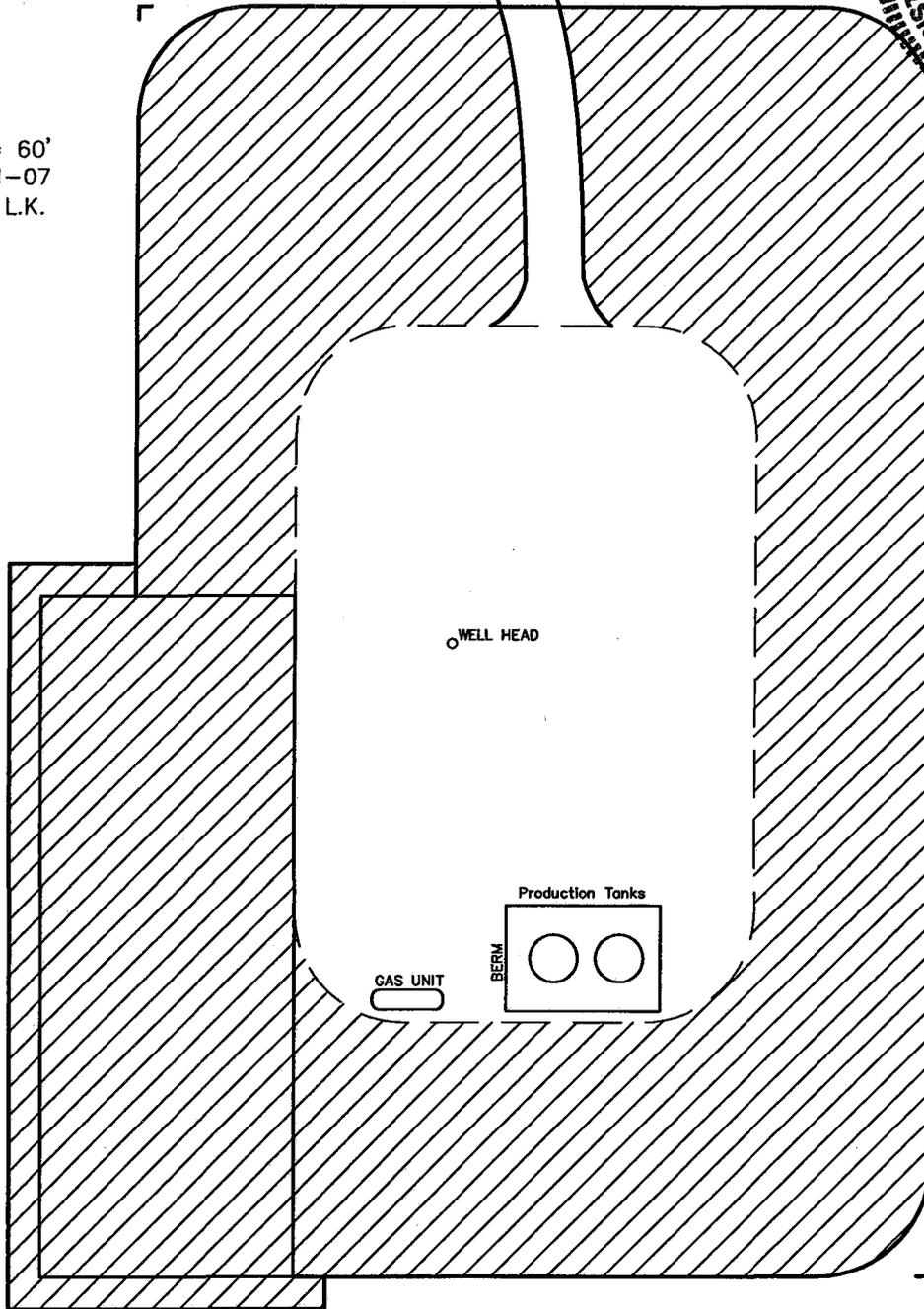
FR #6P-20-14-20  
SECTION 20, T14S, R20E, S.L.B.&M.  
2110' FNL 2059' FWL



Access  
Road



SCALE: 1" = 60'  
DATE: 07-31-07  
DRAWN BY: L.K.



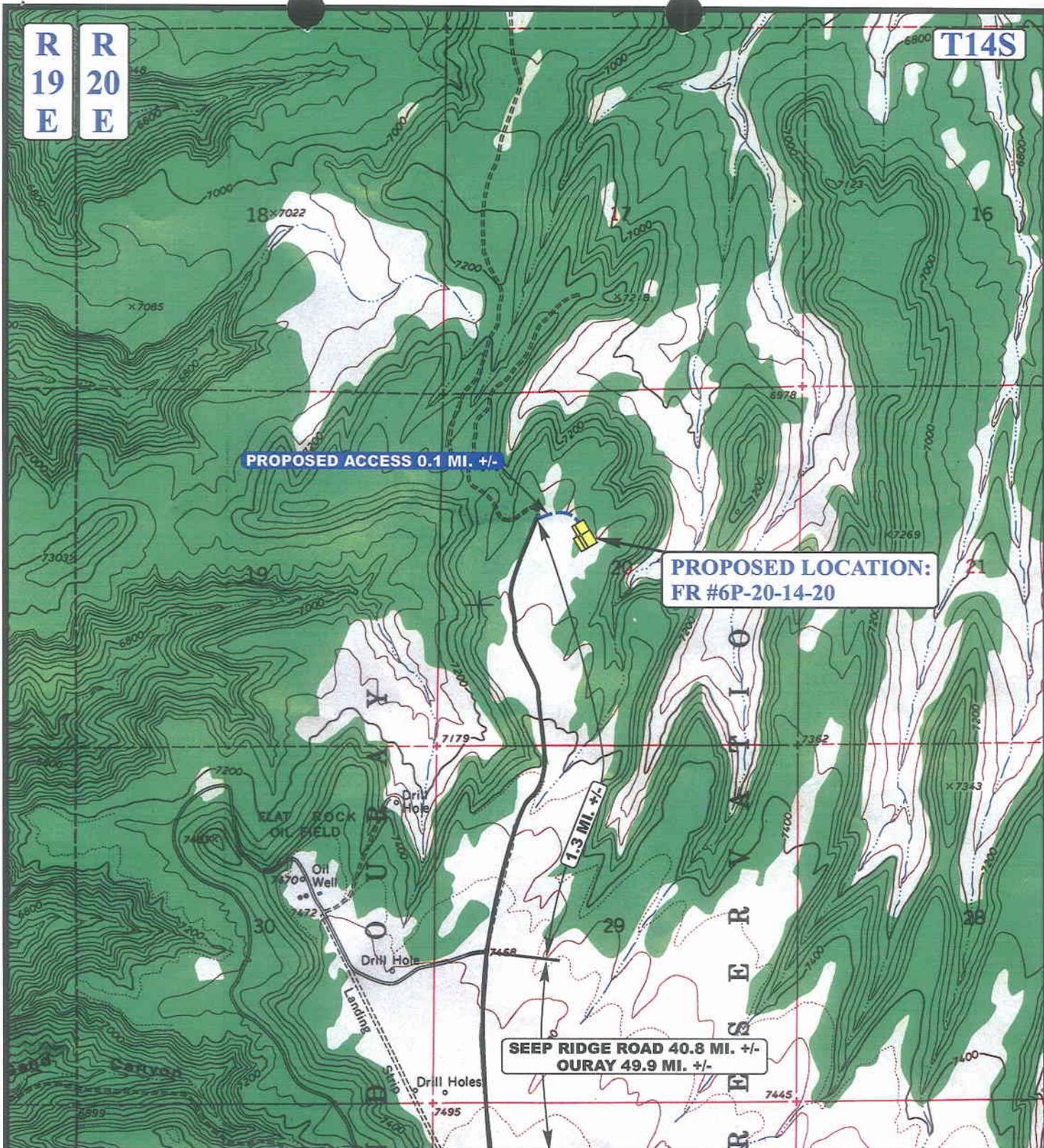
 INTERIM RECLAMATION



R  
19  
E

R  
20  
E

T14S



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



**QUESTAR EXPLR. & PROD.**

FR #6P-20-14-20  
 SECTION 20, T14S, R20E, S.L.B.&M.  
 2110' FNL 2059' FWL



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

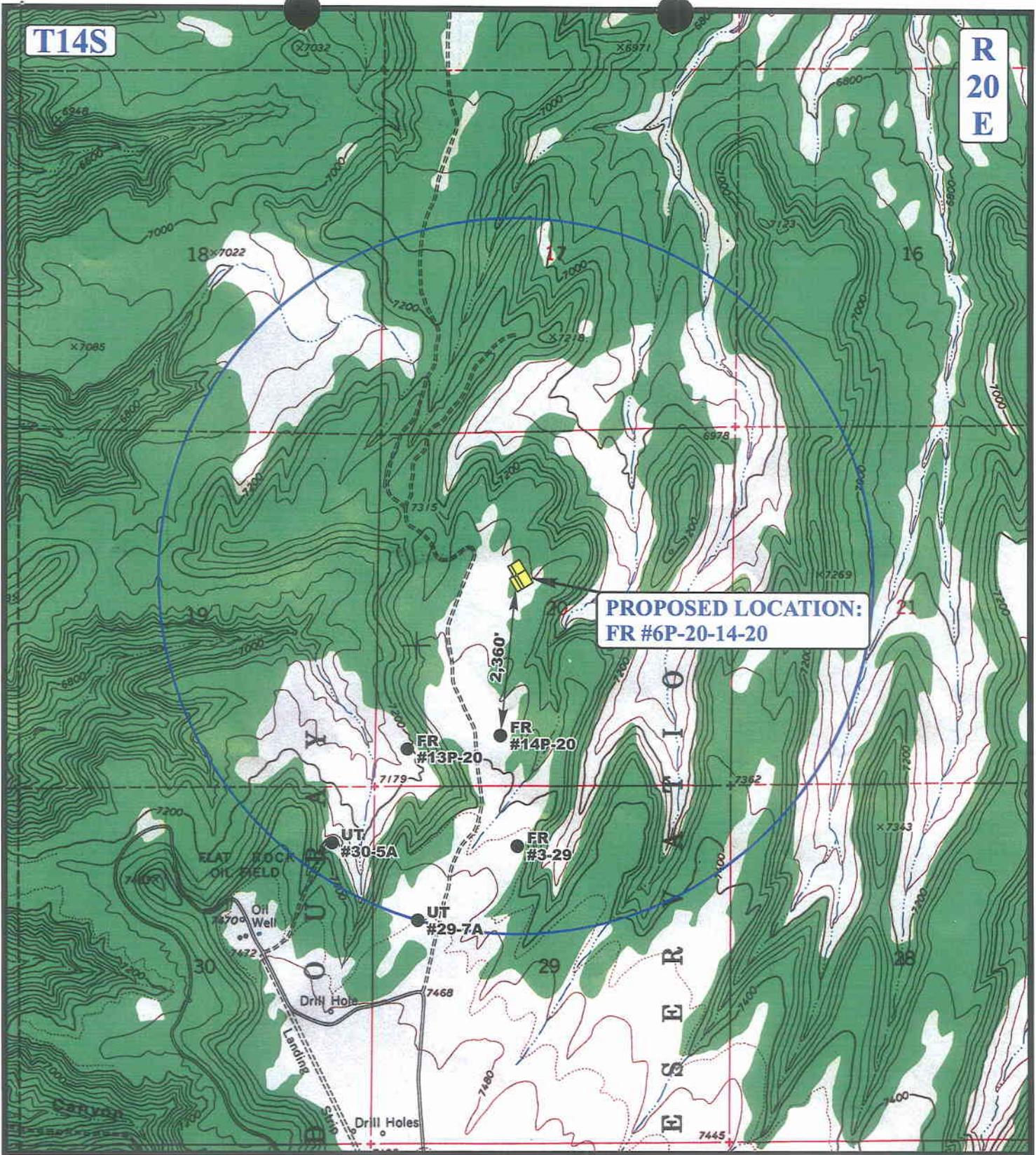
**TOPOGRAPHIC MAP** 08 01 07  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



T14S

R 20 E



**PROPOSED LOCATION:**  
FR #6P-20-14-20

**LEGEND:**

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



**QUESTAR EXPLR. & PROD.**

FR #6P-20-14-20  
 SECTION 20, T14S, R20E, S.L.B.&M.  
 2110' FNL 2059' FWL



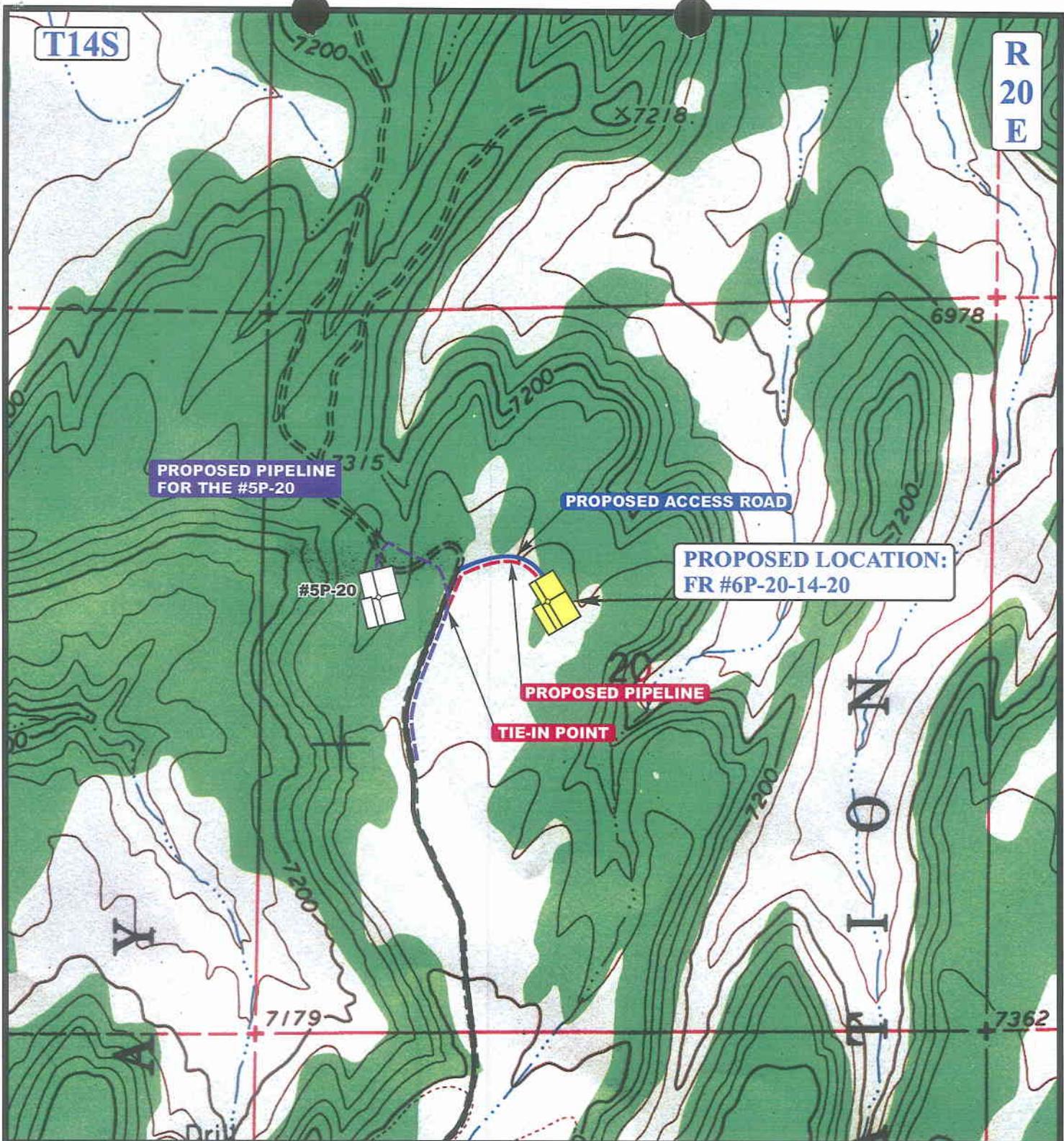
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**08 01 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE DISTANCE = 822' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



**QUESTAR EXPLR. & PROD.**

**FR #6P-20-14-20**  
**SECTION 20, T14S, R20E, S.L.B.&M.**  
**2110' FNL 2059' FWL**



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

**TOPOGRAPHIC MAP** **08 01 07**  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/05/2007

API NO. ASSIGNED: 43-047-39809

WELL NAME: FR 6P-20-14-20  
 OPERATOR: QUESTAR EXPLORATION & ( N5085 )  
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

SENW 20 140S 200E  
 SURFACE: 2110 FNL 2059 FWL  
 BOTTOM: 2110 FNL 2059 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.58612 LONGITUDE: -109.7031  
 UTM SURF EASTINGS: 611373 NORTHINGS: 4382416  
 FIELD NAME: UNDESIGNATED ( 2 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-10164  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WINGT  
 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 Strip*

T14S R20E

FR  
5P-17-14-20

17

UTE TRIBAL  
6-16-14-20

UTE TRIBAL  
8-16-14-20

BHL  
6-16-14-20

16

FR  
9P-17-14-20

UTE TRIBAL  
16-16-14-20

FR  
13P-17-14-20

FR  
14P-17-14-20

FR  
15P-17-14-20

FR  
3P-21-14-20

FR  
4P-21-14-20

FR  
8P-21-14-20

FR  
5P-20-14-20

FR  
6P-20-14-20

20

21

FR  
12P-20-14-20

FR  
11P-20-14-20

FR  
10P-20-14-20

FR  
9P-20-14-20

FR  
9P-21-14-20

FR  
13P-20-14-20

FR  
14P-20-14-20

FR  
13P-21-14-20

UTE TRIBAL  
30-5A

DEL-RIO/ORION  
29-10ADJP

UTE TRIBAL  
1-29-14-20

FLAT ROCK  
3-29-14-20

UTE TRIBAL  
7-29-14-20

**FLAT ROCK FIELD**

OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 20,21 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



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 07-DECEMBER-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

December 17, 2007

Questar Exploration & Production, Co.  
11002 E 17500 S  
Vernal, UT 84078

Re: FR 6P-20-14-20 Well, 2110' FNL, 2059' FWL, SE NW, 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 43-047-39809.

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 6P-20-14-20

API Number: 43-047-39809

Lease: UTU-10164

Location: SE NW                      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 office      (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**

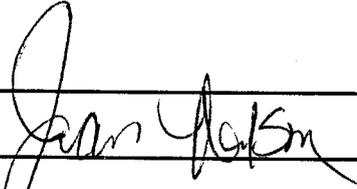
RECEIVED  
SUBMIT IN TRIPLICATE  
2007 DEC -4 PM 12:40

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

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> UTU-10164
TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> UTE TRIBE
TYPE OF WELL <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE		<b>7. UNIT AGREEMENT NAME</b> N/A
<b>2. NAME OF OPERATOR</b> QUESTAR EXPLORATION & PRODUCTION, CO.		<b>8. FARM OR LEASE NAME, WELL NO.</b> FR 6P-20-14-20
<b>3. ADDRESS</b> 11002 East 17500 South Vernal, Utah 84078		<b>9. API NUMBER:</b> 43 041 39809
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		<b>10. FIELD AND POOL, OR WILDCAT</b> UNDESIGNATED
Telephone number Phone 435-781-4331 Fax 435-781-4329		<b>11. SEC., T, R, M, OR BLK &amp; SURVEY OR AREA</b> SEC. 20, T14S, R20E Mer SLB
<b>4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)</b> At Surface 2110' FNL 2059' FWL, SENW, Section 20, T14S, R20E At proposed production zone		<b>12. COUNTY OR PARISH</b> Utah <b>13. STATE</b> UT
<b>14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*</b> 51+ / - MILES FROM OURAY, UTAH		<b>16. NO. OF ACRES IN LEASE</b> 1760.00
<b>15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.</b> (also to nearest drig, unit line if any) 2059' +/-	<b>17. NO. OF ACRES ASSIGNED TO THIS WELL</b> 40	<b>20. BLM/BIA Bond No. on file</b> ESB000024
<b>18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft</b> 2,360' +/-	<b>19. PROPOSED DEPTH</b> 12,350"	<b>23. Estimated duration</b> 20 Days
<b>21. ELEVATIONS (Show whether DF, RT, GR, ect.)</b> 7313.4' GR	<b>22. DATE WORK WILL START</b> ASAP	
<b>24. Attachments</b>		

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  Name (printed/typed) Jan Nelson DATE 12/03/2007  
TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_ RECEIVED APR 21 2008

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  TITLE Assistant Field Manager  
Lands & Mineral Resources  
See instructions On Reverse Side

DIV. OF OIL, GAS & MINING  
DATE 4-11-2008

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

**NOTICE OF APPROVAL** **CONFIDENTIAL**  
**CONDITIONS OF APPROVAL ATTACHED**

NOS: 09/24/2007  
OFPP 2783.A



**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**

<b>Company:</b> Questar Exploration & Production Co.	<b>Location:</b> SENW, Sec 20, T14S, R20E
<b>Well No:</b> FR 6P-20-14-20	<b>Lease No:</b> UTU-10164
<b>API No:</b> 43-047-39809	<b>Agreement:</b> 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:		(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

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

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

**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.

**Additional Stipulations:**

- A 1056 by 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 ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan". The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs 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.
  - Paint equipment/tanks olive black
  - 2 foot berm around pad
  - 30 mil liner
  - Low water crossing at drainage on access road
  - Stockpile trees on access road

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface and intermediate casing shoe integrity test shall be performed.
- The intermediate casing cement top shall be at the surface.
- The production casing cement top shall be at a minimum of 200' 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.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto: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.

CONFIDENTIAL

**DIVISION OF OIL, GAS AND MINING**

***SPUDDING INFORMATION***

Name of Company: Questar Exploration & Production Co

Well Name: FR 6P-20-14-20

API No: 43-047-39809 Lease Type: Federal/Indina

Section 20 Township 14S Range 20E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Rathole

**SPUDDED:**

Date 5-29-08

Time 2:00 PM

How Dry

***Drilling will Commence:*** \_\_\_\_\_

Reported by Karri Sails

Telephone # 801-598-5087

Date 5-30-08 Signed RM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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**

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)  
**2110' FNL, 2059' FWL, SENW, 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 6P 20 14 20**

9. API Well No.  
**43-047-39809**

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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>SPUD</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)  
**On 5/29/08 - Drilled 90' of 30" conductor hole. Set 90' of 20" conductor pipe. Cmtd in place w/ Ready Mix.**

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

14. I hereby certify that the foregoing is true and correct.  
Signed Dahn F. Caldwell Dahn Caldwell Office Administrator II Date 6/2/08

(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.

CONFIDENTIAL

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	16925	43-047-39809	FR 6P 20 14 20	SENW	20	14S	20E	Uintah	5/29/2008	6/19/08
WELL 1 COMMENTS: WINGT										<b>CONFIDENTIAL</b>	
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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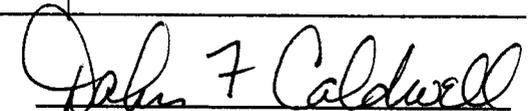
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ACTION CODES (See instructions on back of form)

- 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)

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

(3/89)

  
Signature

Office Administrator II      6/2/08  
Title      Date

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

**CONFIDENTIAL**

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**CONFIDENTIAL**

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**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: DRILLING  
 Contractor Name: Unit Drilling Co.  
 Rig Name: UNIT

Start: 6/9/2008  
 Rig Release:  
 Rig Number: 236

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/4/2008	06:00 - 11:30	5.50	LOC	2	DRLCON	DRILL 30" CONDUCTOR TO 90' SET 20" CONDUCTOR PIPE DRILL MOUSE HOLE TO 80' MICHAEL LEE NOTIFIED OF SPUD 12:54, 5/28/2008
	11:30 - 01:30	14.00	DRL	9	DRLCON	DRILL 15 1/2" SURFACE HOLE F/90' TO 539' TD FOR SURFACE
	01:30 - 02:30	1.00	TRP	3	DRLCON	TRIP OUT TO RUN 10 3/4" CASING LAY DOWN DRILL STRING
	02:30 - 04:30	2.00	CSG	2	DRLCON	RUN 12 JTS OF 10 3/4", #40.5, J-55, ST&C CASING SET AT 520' GL
	04:30 - 06:00	1.50	CMT	2	DRLCON	CEMENT, PUMPED 70 BBLs OF WATER, 20 BBLs OF GEL WATER AND 88 BBLs OF 15.8 PPG 430 SKS OF CEMENT DISPLACED WITH 46.5 BBLs OF WATER, 10 BBLs OF RETURNS TO PITS FLOAT HELD. CALLED JAMIE SPARGER WITH BLM ON CEMENT JOB
6/12/2008	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN TOP DRIVE UNABLE TO BREAK CONNECTIONS FOR LOAD PATH INSPECTION, GENERAL RIG DOWN
	18:00 - 06:00	12.00	OTH		RDMO	WAIT ON DAYLIGHT
6/13/2008	06:00 - 18:00	12.00	LOC	4	MIRU	RIG DOWN LAY OVER DERRICK UNSTRING BLOCKS PREPARE FOR TRUCKS
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
6/14/2008	06:00 - 18:00	12.00	LOC	4	MIRU	RIG DOWN ALL WATER AND ELETRICAL LINES DRAIN WATER TANKS WORK ON SHAKERS PREPARE FOR TRUCKS
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
6/15/2008	06:00 - 18:00	12.00	LOC	3	MIRU	MOVE FROM SCS5C TO FR6P USING PIPE LINE ROAD, RIG MOVE 50%, RIG DOWN 80%, WILL STORE 4 1/2" DRILL STRING ON FR7P OKAYED BY JOHANNA WILL HAVE TO WATER ROADS FOR DUST CONTROL
	06:00 - 18:00	12.00	LOC	4	MIRU	GET DERRICK OFF FLOOR, BREAK DOWN SUB, WE ARE PULLING EVERY LOAD UP HILL ON FLATROCK SIDE RIG MOVE 75%, RIG DOWN 100%
6/17/2008	06:00 - 18:00	12.00	LOC	4	MIRU	RIG MOVE 85% - RIG UP 10%, SET MATTING BOARDS & SUB
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT - WILL MOVE CAMPS TODAY
6/18/2008	06:00 - 18:00	12.00	LOC	4	MIRU	90% RIG MOVE & 50% RIG UP, STACK BOP, SET UPPER SUB, FLOOR MOTORS, DRAWWORKS, SHAKER & INTERMEDIATE MUD TANKS & 1 MIUD PUMP. WILL MOVE DERRICK TODAY
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHTS
	-				MIRU	NOTE: ESTIMATE OFF SCS 5C LOCATION THURSDAY EVE 6/19/2008
6/19/2008	06:00 - 18:00	12.00	LOC	4	MIRU	95% RIG MOVE & 70% RIG UP, SET #2 MUD PUMP, SUCTION TANK, BACKYARD, TOP DOG HOUSES, GAS BUSTER & FLARE BOX. DERRICK ON LOCATION
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: SHOULD BE OFF SCS 5C LOCATION FRIDAY, 6/20/2008 - 2 STRINGS TUBULARS LEFT
6/20/2008	06:00 - 18:00	12.00	LOC	4	MIRU	97% RIG MOVE & 90% RIG UP, POWER WASH DERRICK, PIN & SET ON FLOOR. SET HOPPER HOUSE & SOLIDS EQUIPMENT (MODIFYING CHOKE LINE & BLOOIE LINE BECAUSE OF HEIGHT DIFFERNENCE IN WELL HEAD)
	18:00 - 06:00	12.00	OTH		MIRU	WAIT ON DAYLIGHT
	-				MIRU	NOTE: UNIT MECHANIC BROUGHT OUT NEW BRAKE BANDS FOR DRAWWORKS, NOT CORRECT BANDS. BRAKE PADS FOR OLD BANDS SHOULD BE ON LOCATION TODAY, 6/20/2008. WILL BE OFF SCS 5C LOCATION TODAY 6/20/2008. WILL BREAK TOWER TODAY 6/20/2008.
6/21/2008	06:00 - 06:00	24.00	LOC	4	MIRU	STRING UP, STRESS TEST DERRICK & RAISE DERRICK, HANG BACK BRIDLE LINE, RIG UP FLOOR & INSTALL CHOKE, PANIC,

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Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: DRILLING  
 Contractor Name: Unit Drilling Co.  
 Rig Name: UNIT

Start: 6/9/2008  
 Rig Release:  
 Rig Number: 236

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/21/2008	06:00 - 06:00 -	24.00	LOC	4	MIRU MIRU	FLARE & BLOOIE LINES NOTE: WEATHERFORD AIR PACKAGE SCHEDULED ON LOCATION THIS AM. CRANE RELEASED @ 1000 HRS, 4 LOADS TUBULARS LEFT TO UNLOAD. NOTIFIED BILL OWEN @ 0945 HRS W/ BLM OF INTENT TO TEST BOP & DRILL INTERMEDIATE. NOTIFIED RACHEL @ 1330 HRS W/ UTAH OIL & GAS OF INTENT
6/22/2008	06:00 - 01:00	19.00	LOC	4	MIRU	100% RIG UP, PICK UP & HANG TORQUE TUBE, PICK UP SWIVEL & TOP DRIVE, LOAD PATH INSPECTION BY TESCO, HANG SERVICE LOOP, SET IN WEATHERFORD AIR PACKAGE
	01:00 - 06:00 06:00 -	5.00	BOP	2	MIRU MIRU	TEST BOP & CHOKE W/ 250 PSI LOW & 5000 PSI HIGH NOTE: WEATHERFORD SHORT HARD LINE. WHEN OFF LOADING BOOSTER PUMP FOUND 3" CRACK IN ENGINE BLOCK ABOVE OIL PAN. NEW BOOSTER ETA TODAY. HARD LINE THIS AM.
6/23/2008	06:00 - 09:00	3.00	BOP	2	DRLIN1	TEST BOP W/ B&C QUICK TEST. UPPER & LOWER PIPE RAMS, BLIND RAMS, CHOKE & KILL LINE, CHOKE MANIFOLD, FLOOR VALVES & DOUBLE BALL F/ TOP DRIVE W/ 250PSI LOW & 5000 PSI HIGH. TEST ANNULAR W/ 2500 PSI. TEST KELLY HOSE, STANDPIPE & MUD LINES W/ 250 PSI LOW & 3000 PSI HIGH. TEST SURFACE CASING W/ 1500 PSI F/ 30 MIN.
	09:00 - 14:00	5.00	OTH		DRLIN1	PULL DRAWWORKS BRAKE BANDS & INSTALL NEW BRAKE PADS, INSTALL BANDS
	14:00 - 17:00	3.00	OTH		DRLIN1	FINISH LAYING OUT BHA & STRAP, INSTALL SERVICE LOOP TARP
	17:00 - 18:00	1.00	OTH		DRLIN1	INSTALL WEAR BUSHING
	18:00 - 20:30	2.50	TRP	1	DRLIN1	M/U 9-7/8" BIT # 1 & TIH PICKING UP BHA
	20:30 - 21:00	0.50	OTH		DRLIN1	TEST WEATHERFORD AIRLINES W/ 1500 PSI
	21:00 - 00:00	3.00	TRP	1	DRLIN1	TIH PICKING UP BHA
	00:00 - 00:30	0.50	OTH		DRLIN1	INSTALL ROTATING HEAD RUBBER
	00:30 - 01:30	1.00	OTH		DRLIN1	BLOW HOLE DRY (10" VALVE ON FLOW LINE LEAKING, TIGHTEN BOLTS)
	01:30 - 03:30	2.00	DRL	4	DRLIN1	DRILL CEMENT, FLOAT EQUIPMENT & CEMENT POCKET F/ 453' TO 539'
	03:30 - 04:30	1.00	DRL	1	DRLIN1	DRILL 9-7/8" HOLE W/ AIR F/ 539' TO 628', WOB 18K, ROT 70, 2900 CFM, 225 PSI (DUSTING)
	04:30 - 05:00	0.50	SUR	1	DRLIN1	WIRELINE SURVEY @ 618' UNABLE TO RETRIEVE SURVEY TOOL
	05:00 - 06:00	1.00	TRP	2	DRLIN1	TRIP OUT OF HOLE TO RETRIEVE SURVEY TOOL
6/24/2008	06:00 - 07:00	1.00	TRP	2	DRLIN1	TOOH
	07:00 - 08:00	1.00	OTH		DRLIN1	RETRIEVE SURVEY, CROWSFOOT WEDGED AGAINST SURVEY TOOL
	08:00 - 10:00	2.00	TRP	2	DRLIN1	TIH W/ BIT # 1, P/U 3 - 6-1/2" DC
	10:00 - 16:30	6.50	DRL	1	DRLIN1	DRILL F/ 628' TO 995', WOB 18-20K, RT 70, CFM 2900, PSI 225 (DUSTING)
	16:30 - 17:00	0.50	RIG	1	DRLIN1	RIG SERVICE
	17:00 - 02:30	9.50	DRL	1	DRLIN1	DRILL F/ 995' TO 1636', WOB 18-20K, RT 70, CFM 2900, PSI 300 ( WATER SAND @ 1238', START MISTING @ 1490' - 9GPM)
	02:30 - 03:00	0.50	SUR	1	DRLIN1	WIRELINE SURVEY @ 1629' = .4 INC & 164.35 AZ
	03:00 - 04:00	1.00	DRL	1	DRLIN1	DRILL F/ 1636' TO 1826', WOB 20-22K, ROT 70, CFM 2900, PSI 310, MIST 9 GPM
6/25/2008	04:00 - 06:00	2.00	OTH		DRLIN1	TOTAL TIME CONNECTIONS & REGAIN CIRCULATION
	06:00 - 12:30	6.50	DRL	1	DRLIN1	DRILL F/ 1826' TO 2117', WOB 25-30K, ROT 70, CFM 2900, PSI 330 MIST 9 GPM (MAKING WATER)
	12:30 - 13:00	0.50	RIG	1	DRLIN1	RIG SERVICE
	13:00 - 18:30	5.50	DRL	1	DRLIN1	DRILL F/ 2117' TO 2507', WOB 30K, ROT 75, CFM 2900, PSI 430 MIST 9 GPM (MAKING WATER)

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: DRILLING  
 Contractor Name: Unit Drilling Co.  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Start: 6/9/2008  
 End:  
 Rig Release:  
 Group:  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/25/2008	18:30 - 19:00	0.50	OTH		DRLIN1	REPAR HOLE IN FLOW LINE
	19:00 - 22:00	3.00	DRL	1	DRLIN1	DRILL F/ 2507' TO 2701', WOB 30K, ROT 75, CFM 2900, PSI 490 MIST 9 GPM (MAKING WATER)
	22:00 - 23:00	1.00	SUR	1	DRLIN1	WIRELINE SURVEY @ 2693' = .5 INC & 240.75 AZ
	23:00 - 03:00	4.00	DRL	1	DRLIN1	DRILL F/ 2701' TO 3050', WOB 30K, ROT 75, CFM 2900, SPM 50, 132 GPM PSI 660 (DRILL W/ AIREATED FLUID @ 0030 HRS
6/26/2008	03:00 - 06:00	3.00	OTH		DRLIN1	CONNECTIONS & REGAIN CIRCULATION
	06:00 - 09:00	3.00	DRL	1	DRLIN1	DRILL F/ 3050' TO 3171', WOB 30K, ROT 75, CFM 2900, PS 50, GPM 132, PSI 660
	09:00 - 09:30	0.50	RIG	2	DRLIN1	REPAIR WEATHERFORD MIST PUMP
	09:30 - 11:30	2.00	DRL	1	DRLIN1	DRILL F/ 3171' TO 3285', WOB 30-35K, ROT 80, CFM 2900, PS 50, GPM 132, PSI 660
6/27/2008	11:30 - 12:00	0.50	RIG	1	DRLIN1	RIG SERVICE
	12:00 - 15:00	3.00	OTH		DRLIN1	TOTAL TIME CONNECTIONS & REGAIN CIRCULATION W/ AIR
	15:00 - 03:00	12.00	DRL	1	DRLIN1	DRILL F/ 3285' TO 3832', WOB 35-40K, ROT 80, CFM 2900, PS 65, GPM 171, PSI 715 (1900 HRS START REDUCING AIR & INCREASING PUMP STROKES TO MAINTAIN RESERVE PIT LEVEL) PUMP 20 BBL SWEEP, PUMP 800 BBL FLUID INTO FORMATION W/ PUMPS @ 527 GPM - NO AIR
	03:00 - 04:30	1.50	CIRC	1	DRLIN1	SHORT TRIP TO SHOE - SLM
	04:30 - 06:00	1.50	TRP	14	DRLIN1	FINISH SHORT TRIP TO SHOE 8K MAX OVER PULL & TIH (SLM-NO CHANGE)
	06:00 - 09:30	3.50	TRP	15	DRLIN1	PUMP SWEEP, CIRCULATE & CONDITION TO RUN CASING
	09:30 - 11:30	2.00	CIRC	1	DRLIN1	WIRELINE SURVEY
	11:30 - 12:00	0.50	SUR	1	DRLIN1	TOOH TO RUN CASING
	12:00 - 14:30	2.50	TRP	2	DRLIN1	LAY DOWN 6-1/2" & 8" DRILL COLLARS
	14:30 - 15:30	1.00	TRP	1	DRLIN1	CLEAN FLOOR, PULL WEAR BUSHING, CHANGE OUT BAILS & ELEVATORS
	15:30 - 17:00	1.50	OTH		DRLIN1	RIG UP FRANKS CASING CREW, HOLD SAFETY MEETING
	17:00 - 19:00	2.00	CSG	1	DRLIN1	RUN 22 JTS 7-5/8", 29.7#, P110, LT&C CASING
	19:00 - 23:00	4.00	CSG	2	DRLIN1	REPAIR HYDRAULIC LEAK TO DOUBLE BALL VALVE TOP DRIVE
	23:00 - 23:30	0.50	RIG	2	DRLIN1	RUN 59 JTS CASING TOTAL 81 JTS, SHOE @ 3812', FLOAT COLLAR @ 3718.6'
23:30 - 03:00	3.50	CSG	2	DRLIN1	LAND MANDRIL & BREAK CIRCULATION	
6/28/2008	03:00 - 04:00	1.00	CSG	2	DRLIN1	R/D FRANKS, PACKOFF WELLHEAD & TEST W/ 5000 PSI
	04:00 - 06:00	2.00	OTH		DRLIN1	SPOT PUMP TRUCKS & WAIT ON HALLIBURTON NITROGEN TRUCKS
	06:00 - 10:30	4.50	CMT	2	CSGIN1	SPOT N2 TRUCKS & RIG UP HALLIBURTON
	10:30 - 14:00	3.50	CMT	1	CSGIN1	SAFETY MEETING, TEST CEMENT LINES TO 6000 PSI N2 LINES TO 9000 PSI, PUMP 10 BBL FOAMED WATER, 20 BBL FOAMED SUPER FLUSH, 20 BBL FOAMED WATER. PUMP 91 BBL 345 SKS YIELD 1.48 FOAMED DENSITY 8.5 LB/GAL, PUMP FOAMED TAIL CEMENT @ 5 BBL/MIN 80 BBL 305 SKS, PUMP UNFOAMED TAIL @ 43.5 BBL 165 SKS, 14.3 LB/GAL, DROP PLUG DISPLACE W/ 169.2 BBL WATER, BUMP MPLUG W/ 1300 PSI, FLOATS HELD W/ 1.7 BBL BACK, NO RETURNS DURING ENTIRE JOB, PUMP CAP CEMENT 55 BBL, 200 SKS @ 14.6 LB/GAL
	14:00 - 18:30	4.50	CMT	2	CSGIN1	RIG DOWN CEMENTERS (NOTIFIED @ 2100 HRS BY ENGINEER SEAN JONES & CEMENTER CHRIS THAT VALVES ON "A" SECTION WERE CLOSED DURING CEMENT JOB)
	18:30 - 19:30	1.00	CMT	1	CSGIN1	REPAIR FLOW LINE, CHANGE OUT BAILS & ELEVATORS & CLEAN FLOOR
	19:30 - 22:00	2.50	OTH		CSGIN1	INSTALL WEAR BUSHING, STRAP & PICK UP BHA
22:00 - 00:00	2.00	OTH		CSGIN1		

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: DRILLING  
 Contractor Name: Unit Drilling Co.  
 Rig Name: UNIT

Start: 6/9/2008  
 Rig Release:  
 Rig Number: 236

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/28/2008	00:00 - 03:30	3.50	TRP	2	CSGIN1	M/U BIT # 2 & TIH TO 3650'
	03:30 - 04:30	1.00	OTH		CSGIN1	TEST CASING W/ 1500 PSI
	04:30 - 05:00	0.50	TRP	2	CSGIN1	TIH TO 3670', TAG CEMENT STRINGERS
	05:00 - 06:00	1.00	DRL	4	CSGIN1	DRILL CEMENT & FLOAT EQUIPMENT
6/29/2008	06:00 - 06:30	0.50	DRL	4	DRLPRO	DRILL FLOAT EQUIPMENT & CEMENT POCKET TO 3832'
	06:30 - 07:00	0.50	DRL	1	DRLPRO	DRILL 6-1/2" HOLE W/ .46 MUD MOTOR & PDC BIT F/ 3832' TO 3845', WOB 6K, ROT 10, RPM 110, PS 80, PP 1000
	07:00 - 07:30	0.50	EQT	2	DRLPRO	FIT W/ 8.45# AMW & 722 PSI = 12.06# EMW
	07:30 - 14:30	7.00	DRL	1	DRLPRO	DRILL F/ 3845' TO 4030', WOB 6-13K, ROT 10, RPM 115, PS 85, PP 1100 (3904' TO 3970', ROP 14.6 FT/HR - WOB 6-24K)
	14:30 - 15:00	0.50	RIG	1	DRLPRO	RIG SERVICE
	15:00 - 22:00	7.00	DRL	1	DRLPRO	DRILL F/ 4030' TO 4419', WOB 7-15K, ROT 10, RPM 115, PS 85, PP 1200
	22:00 - 22:30	0.50	SUR	1	DRLPRO	WIREFLINE SURVEY @ 4353' = 1.6 INC & 192.35 AZ
	22:30 - 04:00	5.50	DRL	1	DRLPRO	DRILL F/ 4419' TO 4938', WOB 6-16K, ROT 10, RPM 115, PS 85, PP 1310
	04:00 - 06:00	2.00	OTH		DRLPRO	TOTAL TIME F/ COINNECTIONS
	06:00 - 08:30	2.50	DRL	1	DRLPRO	DRILL F/ 4938' TO 5019', WOB 6-28K, ROT 10, RPM 115, PS 85, PP 1425
6/30/2008	08:30 - 09:30	1.00	CIRC	1	DRLPRO	DROP SURVEY & PUMP DRY SLUG
	09:30 - 12:30	3.00	TRP	2	DRLPRO	TOOH W/ BIT # 2 (WET)
	12:30 - 13:30	1.00	OTH		DRLPRO	RETRIEVE SURVEY, CHANGE OUT BIT & MUD MOTOR (3 JET NOZZLES PLUGGED)
	13:30 - 14:30	1.00	TRP	2	DRLPRO	SURFACE TEST MUD MOTOR & TIH W/ BIT # 3 & .26 MUD MOTOR
	14:30 - 15:00	0.50	RIG	1	DRLPRO	RIG SERVICE
	15:00 - 16:30	1.50	TRP	2	DRLPRO	TIH TO 4938'
	16:30 - 17:30	1.00	RIG	2	DRLPRO	TOTAL TIME ON TRIP ATTEMPTING TO REPAIR SMITH TRU TORQUE
	17:30 - 18:00	0.50	REAM	1	DRLPRO	WASH & REAM F/ 4938' TO 5019' (PRECAUTIONARY)
	18:00 - 04:30	10.50	DRL	1	DRLPRO	DRILL F/ 5019' TO 5794', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1450
	04:30 - 06:00	1.50	OTH		DRLPRO	TOTAL TIME F/ CONNECTIONS
7/1/2008	06:00 - 07:30	1.50	DRL	1	DRLPRO	DRILL F/ 5794' TO 5878', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1475
	07:30 - 08:00	0.50	SUR	1	DRLPRO	WIREFLINE SURVEY @ 5841' = MISS RUN
	08:00 - 10:00	2.00	DRL	1	DRLPRO	DRILL F/ 5878' TO 5975', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	10:00 - 10:30	0.50	SUR	1	DRLPRO	WIREFLINE SURVEY @ 5935' = 4.2 INC & 209.55 AZ
	10:30 - 13:30	3.00	DRL	1	DRLPRO	DRILL F/ 5975' TO 6070', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	13:30 - 14:00	0.50	RIG	1	DRLPRO	RIG SERVICE & CHANGE OUT FUEL FILTERS TOP DRIVE
	14:00 - 23:30	9.50	DRL	1	DRLPRO	DRILL F/ 6070' TO 6461', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	23:30 - 00:30	1.00	SUR	1	DRLPRO	WIREFLINE SURVEY @ 6426' = 4.2 INC & 204.95 AZ
	00:30 - 04:30	4.00	DRL	1	DRLPRO	DRILL F/ 6461' TO 6655', WOB 10-12K, ROT 10, RPM 75, PS 95, PP 1450
	04:30 - 06:00	1.50	OTH		DRLPRO	TOTAL TIME F/ CONNECTIONS

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Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release: Group:  
 Spud Date: 5/3/2008  
 End:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/16/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	"TIGHT HOLE"  On 9/15/08 MIRU Basin Well Service rig #1. NU frac head assembly with single ram BOP on top. SIFN. On 9/16/08 will start to tally and rabbit in the hole with bit and scraper and new tbg...
9/17/2008	06:00 - 16:00	10.00	LOC	2	C-OTH	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/16/08 SICP=0#. Tally and rabbit in the hole with 3-3/4" mill and 4-1/2" csg.scraper and new 2-3/8" EU 8rd 4.7# P-110 tbg. to 9850'. SIFN. On 9/17/08 will continue to tally and rabbit in the hole with new tbg.to PBTD.
9/22/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/17/08 SITP and SICP=0#. Continue to tally and rabbit in the hole with mill and scraper and new tbg.and tag fill at 12515'. Circ.hole down to 12545' (new PBTD-9/17/08). Circ.hole clean with 2% KCL water. POOH with mill and scraper and tbg..SI well. On 9/18 and 9/19/08 well will remain SI pending logging and perforating on 9/22/08.
9/23/2008	06:00 - 16:00	10.00	PERF	1	C-OTH	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/22/08 SICP=0#. MIRU Cased Hole Solutions. Fill hole with 2% KCL water. Run a CBL/VDL/GR log from tag at 12531' to 500' with top of cement est.at 1050'. Correlated to Halliburton Density log dated 7/27/08 run #1. Pressure test csg with quick test to 6500# along with frac head. Pressure test to full manifold and related valves to 8500#. OK. RDMO Quick test. Bled off all pressure. Perforate the following Wingate intervals using a 2-3/4" csg.gun at 3 JPF and 120° phasing per the CBL log dated 9/22/08: 12464-72' and 12484-92' (IFL and FFL at surface and no blow or vacuum after perforating). RDMO Cased Hole Solutions and SIFN. Total of 48 holes. On 9/23/08 will RIH with ret.packer and tbg...
						Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???
						Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92'

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/23/2008 9/24/2008	06:00 - 16:00 06:00 - 16:00	10.00 10.00	PERF SWAB	1 1	C-OTH C-OTH	<p>"TIGHT HOLE"</p> <p>On 9/23/08 SICP=0#. RIH with 4-1/2" ret.packer and tbg.and set packer at 12296'. Break down Wingate perms.at 2200# and pump 10 bbl.of 2% KCL water at 1 BPM at 2400# with ISIP=2000#. Bled off tbg..RU swab. IFL at surface. Make 6 swab runs and recovered 25 bbl.of water with no gas and FFL at 4000'. RD swab and SIFN. On 9/24/08 will acidize Wingate perms.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 52                      Minus daily recovery: 25                      Plus water today: 10                      LLTR: 37</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/25/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92'                      On 9/24/08 SITP and SICP=0# with packer set at 12286' to test above wingate perms. RU swab. IFL at 3700'. Make 1 swab and recovered 3 bbls of water with no gas. MIRU Halliburton acid crew, acidized Wingate intervals 12464-72' &amp; 12484-92' as follows: Pump 2000 gal.of 15% HCL acid with additives with 75-7/8" Bio-balls recovered throughout the acid and flush with 60 bbls of 2% KCL water over 4.1 rpm, Avg. at 4650#. several 10-20# breaks. ISIP=1650#. Total of 110 bbl.of load. RDMO Halliburton. Open tbg.and flowed back 1/2 bbl of water and tbg. died. RU swab IFL at surface. Make 1swab with and recovered 58 bbl.of slight gas cut water with FFL at 3700'. Final PH=1. Had show of gas. LLR=52 bbl.RD swab and SIFN. On 9/25/08 will continue to swab and/or flow.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 17                      Minus daily recovery: 88                      Plus water today: 110                      LLTR: 89</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/26/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92'</p>

## Operations Summary Report

Legal Well Name:	FR 6P-20-14-20		
Common Well Name:	FR 6P-20-14-20	Start:	9/15/2008
Event Name:	COMPLETION	End:	Spud Date: 5/3/2008
Contractor Name:	Basin Well Service	Rig Release:	Group:
Rig Name:	BASIN WELL SERVICE	Rig Number:	1

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/26/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>On 9/25/08 SITP=50# and SICP=0# with packer set at 12296'. Bled off tbg.with no fluid recovery. RU swab. IFL at 2500'. Make 18 swab runs and recovered 85 bbl.of med gas cut water with a final PH=7 and a final fluid level at 4800' while pulling from 6300'. RD swab and SIFN. On 9/26/08 will continue to swab.</p> <p>Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 89 Minus daily recovery: 85 LLTR: 4</p> <p>Perfs: Wingate: Zone#1: 9/22/08: 12464-72' &amp; 12484-92'</p>
9/29/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE" Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/26/08 SITP=50# and SICP=0# with packer set. Bled off tbg.with no fluid recovery. RU swab. IFL at 3200'. Make 1 swab run to 4800' and tag something in tbg.and sandline spun and POOH with sandline and tools. Had to Cut off sandline and having trouble with drum. Rcovered 4 bbl.of water and SIFW. On 9/29/08 will check out drum and possibly splace sandline and swab after taking gas analysis.</p> <p>Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 4 Minus daily recovery: 4</p> <p>Perfs: Wingate: Zone#1: 9/22/08: 12464-72' &amp; 12484-92'</p>
9/30/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE" Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/29/08 SITP=300# and SICP=0# with packer set. Took gas analysis from tbg.with the following results: N2-3.3%; Methane=72.5%; CO=22.9%; BTU-758; Grav.0.7978. Bled off tbg.with no fluid recovery. RU swab. IFL at 3400'. Make 15 swab runs and recovered 69 bl.of very slight gas cut water with traces of tarry black hard oil. FFL at 5000' while pulling from 6200'. RD swab and SIFN. On AM of 9/30/08 SITP=100# and SICP=0#. RU swab. IFL at 3700'. Will continue to swab on 9/30/08.</p> <p>Casing size: 4-1/2" 13.5# HCP-110</p>

### Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/30/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 0                      Minus daily recovery: 69                      LLTR: 69 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
10/1/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/30/08 SITP=100# and SICP=0# with packer set. Bled off tbq.with no fluid recovery. RU swab out at 3700'. Make 22 swab runs and pressured 79 bbls at very slight gas out with FFL at 6500' with a slight trace of gas. FFL holding at 5800, 6500'. Have a total of 148 bbl over load. RD swab and SIFN. On 10/1/08 will run a gas sample and wait on orders.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 69                      Minus daily recovery: 79                      LLTR: 148 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
10/2/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 10/1/08 SITP=250# and SICP=0# with packer set at 12306'. Took gas sample with the following results from Wingate perfs.12404-72' and 12484-92'. N2-3.71% Methane=77%, CO2=17.87% BTU=806.39'; Grav=0.7516. Bled off well with no fluid recovery. RU swab IFL at 4200'. Make 10 swab runs and recovered 38 bbl.of very slight gas cut water with FFL at 7100' while pulling from 8600' on the last 2 runs. RD swab and SIFN. On 10/2/08 will release packer and POOH with packer and tbq.and wireline set a CIBP and perforate additional intervals.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 148 over                      Minus daily recovery: 38                      LLTR: 186 over</p>

### Operations Summary Report

Legal Well Name:	FR 6P-20-14-20	Spud Date:	5/3/2008
Common Well Name:	FR 6P-20-14-20	Start:	9/15/2008
Event Name:	COMPLETION	Rig Release:	Group:
Contractor Name:	Basin Well Service	Rig Number:	1
Rig Name:	BASIN WELL SERVICE		

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/2/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92'

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20 145 202

12/11/2008 10:26:20 AM

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Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/31/2008	06:00 - 16:00	10.00	SWAB	1	C-OTH	Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16'
11/3/2008	06:00 - 16:00	10.00	PERF	2	C-OTH	"TIGHT HOLE" - Completion CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08) Now test Buckhorn Intervals 11192'-96' and 11204-16'
						On 10/31/08 SICP=0#. Install frac head equipment. MIRU Cased Hole Solutions and perforate the following Dakota Silt intervals per the CBL log dated 9/22/08 using a 2-3/4" csg.gun at 3 JPF and 120° charges: 10838-40' and 10853-47' (18 holes). No change in pressure on the well after perforating. Could not detect FL but was high. RDMO Cased Hole Solutions. SI the well for the weekend for frac scheduled on 11/3/08. Frac has been delayed to 11/4/08
						Load from yesterday: 15
						Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16'
11/4/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	"TIGHT HOLE" - Completion CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08) Now test Buckhorn Intervals 11192'-96' and 11204-16'

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/4/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	<p>On PM of 11/3/08 start to MIRU Halliburton frac crew. Supposed to start fracing AM of 11/4/08. Left well SIFN.</p> <p>Load from yesterday: 15</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p>
11/5/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	<p>"TIGHT HOLE" - Completion                      CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'                      CIBP over Entrada at 11870' (10/24/08)                      Now test Buckhourn Intervals 11192'-96' and 11204-16'</p> <p>On 11/4/08 SICP=50#, MIRU Halliburton frac crew and Cased Hole Solutions. Frac gross perforated Buckhorn and with 400 gal.of 15% HCL acid followed by a 20500 gal.pad and stage 0.50 to 1.50 ppg 30/50 resing coated sand in 102000 gal.of fluid with 7500 gal.spacers in between sand stages and flush with 7423 gal.of slick water. Total of 3900 bbl.of water and a total of 99330# of sand. Max.rate=47.1; Ave=39.8 BPM; Max.psi=7574#; Ave=4986#; ISIP=4115# (.81). This was stage #4; Lubricate in a 4-1/2" comp.frac plug and set at 10800'. Perforate the following Mancos intervals per the CBL log dated 9/22/08 the following intervals at 3 JPF at 120° phasing using a 2-3/4" csg.as gun: 9986'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10662'; 10718'.</p> <p>Zone #5: (Mancos gross interval 9966-10718'): Frac this interval using a 2% KCL slick water system as follows: Breakdown with 400 gal.of 15% HCL acid followed by a 10000 gal.pad and stage 0.50 to 1.50 ppg 30/50 resing coated sand in 40000 gal of water with each stage follwed by a 6000 gal.spacer and flush with 6870 gal.of slick water. Total of 1990 bbl.of water and a total of 40200# of sand. Max.rate=40.5; Ave=39.4 BPM; Max.psi=7343#; Ave=6103#; ISIP=4346# (.86). Lubricate in a 4-1/2" comp.frac plug and set at 9920'.</p> <p>Zone #6: Perforate the following Mancos intervals per the above gun and log as follows: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; &amp; 9860'.</p> <p>Zone #6: (Mancos gross interval 9382-9860'); Breakdown with 400 gal.of 15% HCL acid and frac with a 10500 gal.pad and stage 0.5 to 1.5 ppg sand in 41000 gal.of fluid with 6000 gal.spacer in between sand</p>

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/5/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	<p>stages and flush with 6800 gal.of slick water. Total of 36000# of sand and a total load of 2010 bbl..Max.rate of 40.5; Ave=36.6 BPM; Max.psi=7386#; Ave=5751#; ISIP-4005#; (.85). SIFN. On 11/5/08 will continue with additional zones.</p> <p>LLTR: 7900</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.</p>
11/6/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	<p>"TIGHT HOLE"</p> <p>On AM of 11/5/08 SICDP=2300#. Lubricate in a 4-1/2" comp.frac plug and set at 9330'. Perforate Zone #7 (Mancos) as follows using a 2-3/4" csg.gun at JPF and 120° phasing per the CBL log dated 9/22/08: 8573'; 8584'; 8693'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267' &amp; 9286' (30 holes).                      Frac with Halliburton as follows:                      Zone #7: (Mancos-8573-9286'): Breakdown with 400 gal.of 15% HCL and frac with a 2% KCL slickwater system as follows: Pump a 10200 gal.pad and stage 0.5 to 1.5 ppg 30/50 resin coated sand in 34000 gal.of fluid with 4-6000 gal.spacer stages and flush with 6000 gal.of slick water. Total of 37500# of sand and a total load of 2100 bbl.                      Max.rate=42; Ave=39.4 BPM; Max.psi=7195#; Ave=5771#; ISIP=3260# (.80). Lubricate in a 4-1/2" comp.frac plug and set at 8500'. Perforate the following Mancos interval per the above gun and log:                      Zone #8: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362' &amp; 8435' (30 holes). RDMO Cased Hole Solutions. Frac zone #8 as follows:                      Zone #8: (Mancos: 7908-8436'): Breakdown with 400 gal.of 15% HCL and frac with the above system and sand as follows: Pump a 10100 gal.pad and stage 0.5 to 1.5 ppg 30/50 sand in 44500 gal.of fluid with 4-6000 gal.spacer stages and flush with 5400 gal.of slick water. Total of 41000# of sand and a total load of 2155 bbl.Max.rate=40.9; Ave=39.8 BPM; Max.psi=6718#; Ave=5134' ISIP=3260# (.84). SI the well and RDMO Halliburton. After a 2-1/2 hr. period, SICP=2700#. Open the</p>

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/6/2008	06:00 - 16:00	10.00	STIM	2	C-OTH	<p>csg.on a 18/64" choke at 3:30PM on 11/5/08. Continue to flow the well overnight and at 6:30AM on 11/6/08 FCP-2100# on a 18/64" choke with an hourly flow rate est.at 80 bbl.per hour with light gas and a trace of sand and a total recovery in the last 15 hours of 1120 bbl..Continue to flow the well to clean up.</p> <p>Load from yesterday: 7900                      Minus daily recovery: 1120                      Plus water today: 4255                      LLTR: 10975</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos; 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>
11/7/2008	06:00 - 16:00	10.00	STIM	3	C-OTH	<p>"TIGHT HOLE"</p> <p>On 6:30 AM on 11/6/08 FCP =2100# on a 18/64" choke with an hourly flow rate est.at 80 bbl.per hour with light gas and a total recovery since the frac of 1120 bbl..Continue to flow the ell during the day and evening andat 11:30PM on 11/6/08 FCP=150-200# on 2-1" chokes for the last 4 hours and flowing heavy gas at a rate of 90 bbl.per hour with a total recovery of 2410 bbl..SI the well at 11:30 PM on 11/6/08 to see what the well will build up to with pressure and attempt to bleed of gas head in AM to RIH with mill and tbg. At 7:00AM on 11/7/08 after a 7-1/2 hours.</p> <p>Load from yesterday: 10975                      Minus daily recovery: 1290                      LLTR: 9685</p>

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/7/2008	06:00 - 16:00	10.00	STIM	3	C-OTH	<p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos; 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>
11/10/2008	06:00 - 16:00	10.00	STIM	3	C-OTH	<p>"TIGHT HOLE"</p> <p>On AM of 11/7/08 SICP =1600# after a 7-1/2 hour SI period. Attempt to bleed off well on various chokes and after 3 hours FCP=1550# on a 14/64" choke and recovered 70 bbl.of high gas cut water. SI the well for 1-1/2 hours with a SICP after the 2-1/2 hours of 2000#. MIRU Lone Wolf WL and wireline set a 4-1/2" comp.BP at 7800'. Bled off casing and RDMO Lone Wolf. ND frac head assembly and NU 10K BOP stack. SIFN. On 11/8/08 will RIH with mill and tbg.and start to drill out composite plugs.</p> <p>On 11/8/08 SICP=0#. RIH with 3-3/4" mill and tbg.to 7790'. Load hole with 80 bbl.of 2% KCL water and est.circ..Pressure test BOP and flow manifold to 2000#. Drill out composite BP at 7800' and flowed the kick on 2-48/64" chokes with a max.psi of 750#. Circ.hole clean with 2% KCL water and flow the well on a 48/64" choke at 500# and RIH to 7860' and SI pipe rams and RD swivel and night cap tbg.while flowing the csg.to the pit. Start to flow the csg.to the pit at 2:00 PM on 11/8/08 on a 48/64" choke with 500# FCP at a rate of 50 bbl.per hour with med.gas and no gas. Continue to flow the well over the weekend with the following: At 8:00AM on 11/9/08 on a 48/64" choke and at 4:00PM on 11/9/08 FCP=550# at a rate of 5 bbl.per hour of heavy gas cut. Place on a 18/64" choke and at 5:00AM on 11/10/08 FCP=800# with 5 bbl.per st 15 hours of 1120 bbl..Continue to flow the well to clean up. est total recovery of 500 bbl.of water. On 11/10/08 will attempt to drill out remaining composite frac plugs.</p>

### Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/10/2008	06:00 - 16:00	10.00	STIM	3	C-OTH	<p>Load from yesterday: 9535                      Minus daily recovery: 800                      LLTR: 8735</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos; 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>
11/11/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	<p>"TIGHT HOLE"</p> <p>On 11/10/08 FCP =800# on a 18/64" choke. Open csg. on a full 1" choke and FCP=200#. RIH with mil and tbg. and tag comp. free plug at 8500' and drill out plug with foam unit. Continue in the hole and tag comp. frac plug at 9330' and drill out frac plug with foam. Continue in the hole and tag and drill up composite frac plug at 9920' Continue in the hole and tag composite frac plug at 10800'. Pull mill to 10780' and SIFN. Too late to drill out plug. On 11/11/08 will drill out frac plug at 10800' and clean out well and layd down approx.4000' of tbg..</p> <p>Recovered all water pumped today.</p> <p>LLTR: 8735</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;</p>

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/11/2008	06:00 - 16:00	10.00	FISH	1	C-OTH	11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/12/2008	06:00 - 16:00	10.00	SEQ	1	C-OTH	"TIGHT HOLE"  On 11/11/08 SITP =400# with float in bit sub assembly and SICP=2300#. RU power swivel and foam unit and tag comp.frac plug at 10800' and drill out frac plug. Continue in the hole with mill and tbg.and tag new PBSD at 11785'. RD foam unit. POOH and lay down 2-3/8" P-110 tbg.to 9100' and SIFN. On 11/12/08 will continue to POOH and LD 2-3/8" P-110 tbg.and start to RIH with new 2-3/8" L-80 tbg..  Rec.all water used today. LLTR: 8735  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184';

### Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/12/2008	06:00 - 16:00	10.00	SEQ	1	C-OTH	9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/13/2008	06:00 - 16:00	10.00	OTH		C-OTH	"TIGHT HOLE" On 11/12/08 continue to repair rig. 24 Hour Forecast: Will finish POOH & laying doen P-110 tbg and start to RIH w/ new 2-3/8" L-80 as a production string. Rec.all water used today. LLTR: 8735 Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47' Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/14/2008	06:00 - 16:00	10.00	TRP	5	C-OTH	"TIGHT HOLE" - COMPLETION On 11/13/08 - SITP = 1700# & SICP = 2750#. Open up well & bled down & pump 30 bbls of 2% KCL water down the tbg & POOH & lay down 289 jts of P-110 tbg. ND top set of pipe rams. SIFN. On 11/14/08 Will RIH w/ L-80 tbg for production string. Had to pump an additional 100 bbls of 2% KCL water to top kill, but well flowed back all that was pumped today. Rec. all water used today. LLTR: 8735 bbls Csg Size: 4-1/2" 13.5# HCP-110

**Operations Summary Report**

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/14/2008	06:00 - 16:00	10.00	TRP	5	C-OTH	<p>Csg Depth: 12601' FC @ 12600'???</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos; 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>
11/17/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	<p>"TIGHT HOLE"</p> <p>On 11/14/08 SICP=1700#. Bled down to 200# and pump 100 bbl.of 2% KCL water. Tally and rabbit in the hole with new 2-3/8" EUE 8rd 4.7# L-80 production tbg.as follows: collar; 1 jt; 1.81" "F" nipple and 245 jts.of tbg...Land tbg.tail at 7820'. ND BOP's and NUWH. Turn well over to production department. Casing was flowing the last 2 hours of running tbg...On 11/17/08 will RDMO Basin WS #1.                      Report discontinued until further activity. All tbg.is landed high to production log. Recovered all water pumped today.</p> <p>LLTR: 8735 bbls</p> <p>Tbg.Detail: collar=(0.44'); 1 jt.of tbg. (31.76'); "F" nipple = (.84'); 245 jts.of tbg..(7765.48'); KB=22'. Tbg.tail at 7820.47'; "F" nipple at 7788'. All depths are KB depths.</p> <p>Csg Size: 4-1/2" 13.5# HCP-110                      Csg Depth: 12601' FC @ 12600'???</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'</p>

### Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/17/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.

## Operations Summary Report

Legal Well Name: FR 6P-20-14-20  
 Common Well Name: FR 6P-20-14-20  
 Event Name: COMPLETION  
 Contractor Name: Basin Well Service  
 Rig Name: BASIN WELL SERVICE

Start: 9/15/2008  
 Rig Release:  
 Rig Number: 1

Spud Date: 5/3/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/17/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	Additional perms: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
12/18/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	"TIGHT HOLE" This well work will be to lower tbg.to finish completion of well.  On 12/17/08 TP and CP=25#. Bled down well and pump 15 bbl.of 2% KCL water down the tbg..RU Basin WS #3. NDWH and NU BOP's. Tally and rabbit in the hole with 37 jts of 2-3/8" 4.7# EUE 8rd L-80 tbg.and 22 jts.of 2-3/8" 4.7# EUE 8rd P-110 tbg.for a total of 304 jts.of tbg.in the hole putting the tubing tail at 9670'. ND BOP's and NUWH RD Basin WS. Left well SI overnight to build pressure. On 12/18/08 SITP and SICP=1000#. Preparing to put well on line to production department and to RDMO Basin WS. Final report of well completion.  LLTR: 8735  Tbg.Detail: collar=(0.44'); 1 jt.of tbg. (31.76'); "F" nipple = (.84'); 245 jts.of tbg..(7765.48'); KB=22'. Tbg.tail at 7820.47'; "F" nipple at 7788'. All depths are KB depths.  Csg Size: 4-1/2" 13.5# HCP-110 Csg Depth: 12601' FC @ 12600'???  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perms: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533';

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### Operations Summary Report

Legal Well Name:	FR 6P-20-14-20	Spud Date:	5/3/2008
Common Well Name:	FR 6P-20-14-20	Start:	9/15/2008
Event Name:	COMPLETION	End:	
Contractor Name:	Basin Well Service	Rig Release:	Group:
Rig Name:	BASIN WELL SERVICE	Rig Number:	1

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/18/2008	06:00 - 16:00	10.00	BOP	1	C-OTH	9608'; 9654'; 9713'; 9761'; 9860'. Zone#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos; 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-10164

6. If Indian, Allottee or Tribe Name  
UTE TRIBE

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

8. Lease Name and Well No.  
FR 6P 20 14 20

9. AFI Well No.  
43-047-39809

10. Field and Pool or Exploratory  
UNDESIGNATED

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  
05/29/2008

15. Date T.D. Reached  
07/27/2008

16. Date Completed 11/15/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7,360' KB

18. Total Depth: MD 12,623'  
TVD

19. Plug Back T.D.: MD 12,600'  
TVD

20. Depth Bridge Plug Set: MD CIBP @ 11870', 12280', 12450'  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL & SPECTRAL DENSITY DSN ARRAY COMP TRUE RESISTIVITY, SONIC**

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
15-1/2"	10-3/4"	40.5#		520'		430 SXS		SURF - CIRC	
9-7/8"	7-5/8"	29.7#		3812'		1,015 SXS		SURF - UNK	
6-1/2"	4-1/2"	13.5#		12,602'		1,125 SXS		1,050' - LOG	

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"	967'							

25. Producing Intervals **MANCOS-DAKOTA-BUCKHORN**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SEE ATTACHMENT ONE			SEE ATTACHMENT ONE			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
SEE ATTACHMENT ONE	SEE ATTACHMENT ONE

28. 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
11/15/08	12/2/08	24	→	12	280	80			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
?	272	739	→					PRODUCING	

28a. Production - Interval B

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)

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
CASTLEGATE	6688'				
BLACKHAWK	6939'				
DAKOTA SILT	10839'				
MORRISON	11230'				
CURTIS	11772'				
ENTRADA	11889'				

32. Additional remarks (include plugging procedure):

FUTURE OIL PROSPECTS: GREEN RIVER

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: PERFORATION & FRACING REPORT

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 (c/c) Date 01/08/2008

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)

**CONFIDENTIAL**

**FR 6P 20-14-20 – Attachment One  
PERFORATION DETAIL:**

Open Perfs	Stimulation					Perf Status
7908'						Open - Mancos
7913'						Open - Mancos
7918'						Open - Mancos
8014'						Open - Mancos
8021'						Open - Mancos
8151'	Frac w/	41,000	Lbs in	90,510	Gals	Open - Mancos
8212'						Open - Mancos
8265'						Open - Mancos
8362'						Open - Mancos
8435'						Open - Mancos
8573'						Open - Mancos
8584'						Open - Mancos
8593'						Open - Mancos
8612'						Open - Mancos
8920'						Open - Mancos
9063'	Frac w/	37,500	Lbs in	88,200	Gals	Open - Mancos
9184'						Open - Mancos
9246'						Open - Mancos
9267'						Open - Mancos
9286'						Open - Mancos
9382'						Open - Mancos
9408'						Open - Mancos
9462'						Open - Mancos
9488'						Open - Mancos
9533'						Open - Mancos
9608'	Frac w/	36,000	Lbs in	84,420	Gals	Open - Mancos
9654'						Open - Mancos
9713'						Open - Mancos
9761'						Open - Mancos
9860'						Open - Mancos
9986'						Open - Mancos
9979'						Open - Mancos
9981'						Open - Mancos
10146'						Open - Mancos
10298'	Frac w/	40,200	Lbs in	83,580	Gals	Open - Mancos
10475'						Open - Mancos
10489'						Open - Mancos
10662'						Open - Mancos
10718'						Open - Mancos

**CONFIDENTIAL**

10838' - 10840'	}	Frac w/	99,300	Lbs in	163,800	Gals	Open - Dakota Silt
10843' - 10847'							Open - Dakota Silt
11192' - 11196'	}	Acidize w/	2,000	Gals of	15% HCL	Acid	Open - Buckhorn
11204' - 11216'							Open - Buckhorn
CIBP @ 11,870'							CIBP @ 11,870'
11898' - 11904'	}	Acidize w/	2,000	Gals of	15% HCL	Acid	Closed - Entrada
11926' - 11930'							Closed - Entrada
11986' - 11994'							Closed - Entrada
12048' - 12050'							Closed - Entrada
CIBP @ 12,280'							CIBP @ 12,280'
12312' - 12320'	}	Frac w/	52,700	Lbs in	19,530	Gals	Closed - Keyenta
12368' - 12374'		And	95 Tons	of	CO2 cut		Closed - Keyenta
CIBP @ 12,450'							CIBP @ 12,450'
12464' - 12472'	}	Acidize w/	2,000	Gals of	15% HCL	Acid	Closed - Wingate
12484' - 12492'							Closed - Wingate

**CONFIDENTIAL**

**Deviation Summary**

Well Name: FR 6P-20-14-20  
 TMD: 12,573.0 (ft)  
 Closure Distance: 449.1 (ft)

TVD: 12,555.48 (ft)  
 Closure Direction: 206.54 (°)

Location: 20- 14-S 20-E 8  
 Spud Date: 5/3/2008  
 Calculation Method: Minimum Curvature

S/T #	V.S. AZI (°)
OH	0.00

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.0	0.00	0.00	NYN	0.00	0.00	0.00	0.00	0.00	0.00	
OH	618.0	0.20	154.95	YNN	618.00	-0.98	0.46	-0.98	0.03	0.03	MSS
OH	1,629.0	0.40	164.35	YNN	1,628.98	-5.97	2.16	-5.97	0.02	0.02	MSS
OH	2,693.0	0.50	240.75	YNN	2,692.96	-11.82	-0.89	-11.82	0.05	0.01	MSS
OH	3,823.0	0.60	71.65	YNN	3,822.94	-12.37	0.42	-12.37	0.10	0.01	MSS
OH	4,353.0	1.60	192.35	YNN	4,352.88	-18.72	1.47	-18.72	0.37	0.19	MSS
OH	4,962.0	2.10	205.35	YNN	4,961.56	-37.11	-5.12	-37.11	0.11	0.08	MSS
OH	5,935.0	4.20	209.55	YNN	5,933.04	-84.22	-30.33	-84.22	0.22	0.22	MSS
OH	6,426.0	4.20	204.95	YNN	6,422.72	-116.16	-46.78	-116.16	0.07	0.00	MSS
OH	6,682.0	4.10	205.35	YNN	6,678.05	-132.93	-54.66	-132.93	0.04	-0.04	MSS
OH	7,200.0	6.00	209.05	YNN	7,194.01	-173.34	-75.73	-173.34	0.37	0.37	MSS
OH	7,297.0	5.80	207.05	YNN	7,290.50	-182.14	-80.42	-182.14	0.30	-0.21	MSS
OH	7,485.0	6.00	211.45	YNN	7,477.51	-198.98	-89.87	-198.98	0.26	0.11	MSS
OH	7,980.0	7.20	205.75	YNN	7,969.22	-248.99	-116.85	-248.99	0.28	0.24	MSS
OH	8,254.0	7.60	207.20	YNN	8,240.94	-280.57	-132.59	-280.57	0.16	0.15	MSS
OH	8,254.0	7.60	207.20	YNN	8,240.94	-280.57	-132.59	-280.57	0.00	0.00	MWD
OH	8,319.0	6.60	205.50	YNN	8,305.44	-287.77	-136.16	-287.77	1.57	-1.54	MWD
OH	8,384.0	5.40	207.90	YNN	8,370.08	-293.84	-139.20	-293.84	1.89	-1.85	MWD
OH	8,449.0	4.90	207.80	YNN	8,434.82	-299.00	-141.93	-299.00	0.77	-0.77	MWD
OH	8,514.0	4.50	204.40	YNN	8,499.60	-303.78	-144.27	-303.78	0.75	-0.62	MWD
OH	8,587.0	4.60	205.90	YNN	8,572.37	-309.02	-146.74	-309.02	0.21	0.14	MWD
OH	8,620.0	4.40	206.90	YNN	8,605.27	-311.34	-147.89	-311.34	0.65	-0.61	MWD
OH	8,652.0	4.20	206.90	YNN	8,637.18	-313.48	-148.97	-313.48	0.63	-0.63	MWD
OH	8,685.0	3.60	206.30	YNN	8,670.10	-315.49	-149.98	-315.49	1.82	-1.82	MWD
OH	8,750.0	1.80	203.20	YNN	8,735.03	-318.25	-151.28	-318.25	2.78	-2.77	MWD
OH	8,782.0	2.40	204.10	YNN	8,767.01	-319.33	-151.76	-319.33	1.88	1.88	MWD
OH	8,879.0	4.70	198.00	YNN	8,863.81	-324.96	-153.81	-324.96	2.40	2.37	MWD
OH	8,911.0	5.20	198.20	YNN	8,895.70	-327.59	-154.67	-327.59	1.56	1.56	MWD
OH	8,944.0	4.60	198.80	YNN	8,928.57	-330.26	-155.56	-330.26	1.82	-1.82	MWD
OH	8,976.0	3.90	201.10	YNN	8,960.49	-332.49	-156.37	-332.49	2.25	-2.19	MWD
OH	9,009.0	3.30	203.20	YNN	8,993.42	-334.41	-157.15	-334.41	1.86	-1.82	MWD
OH	9,041.0	2.60	208.20	YNN	9,025.38	-335.90	-157.85	-335.90	2.33	-2.19	MWD
OH	9,073.0	2.20	209.90	YNN	9,057.35	-337.07	-158.50	-337.07	1.27	-1.25	MWD

Deviation Summary

Well Name: FR 6P-20-14-20 TMD: 12,573.0 (ft) Closure Distance: 449.1 (ft)										Location: 20- 14-S 20-E 8 Spud Date: 5/3/2008 Calculation Method: Minimum Curvature		S/T #	V.S. AZI (°)
TVD: 12,555.48 (ft) Closure Direction: 206.54 (°)												OH	0.00
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
OH	9,106.0	1.70	223.30	YNN	9,090.33	-337.97	-159.15	-337.97	2.04	-1.52	MWD		
OH	9,138.0	1.50	232.30	YNN	9,122.32	-338.57	-159.81	-338.57	1.00	-0.63	MWD		
OH	9,170.0	1.80	234.30	YNN	9,154.31	-339.12	-160.55	-339.12	0.95	0.94	MWD		
OH	9,203.0	1.90	221.10	YNN	9,187.29	-339.84	-161.33	-339.84	1.32	0.30	MWD		
OH	9,235.0	1.80	208.40	YNN	9,219.27	-340.68	-161.92	-340.68	1.32	-0.31	MWD		
OH	9,268.0	1.90	199.30	YNN	9,252.25	-341.65	-162.35	-341.65	0.94	0.30	MWD		
OH	9,300.0	1.60	192.30	YNN	9,284.24	-342.59	-162.62	-342.59	1.15	-0.94	MWD		
OH	9,333.0	1.80	196.40	YNN	9,317.23	-343.54	-162.86	-343.54	0.71	0.61	MWD		
OH	9,365.0	2.40	194.00	YNN	9,349.20	-344.67	-163.17	-344.67	1.89	1.88	MWD		
OH	9,399.0	3.10	192.20	YNN	9,383.16	-346.26	-163.53	-346.26	2.07	2.06	MWD		
OH	9,432.0	3.70	185.20	YNN	9,416.11	-348.19	-163.82	-348.19	2.21	1.82	MWD		
OH	9,464.0	4.10	181.80	YNN	9,448.03	-350.36	-163.95	-350.36	1.44	1.25	MWD		
OH	9,497.0	4.00	176.80	YNN	9,480.95	-352.69	-163.92	-352.69	1.11	-0.30	MWD		
OH	9,516.0	4.10	176.30	YNN	9,499.90	-354.03	-163.84	-354.03	0.56	0.53	MWD		
OH	9,548.0	3.80	170.90	YNN	9,531.83	-356.22	-163.60	-356.22	1.49	-0.94	MWD		
OH	9,580.0	3.40	180.00	YNN	9,563.76	-358.22	-163.43	-358.22	2.18	-1.25	MWD		
OH	9,613.0	2.90	195.60	YNN	9,596.71	-360.00	-163.65	-360.00	2.99	-1.52	MWD		
OH	9,645.0	2.40	210.40	YNN	9,628.68	-361.36	-164.21	-361.36	2.64	-1.56	MWD		
OH	9,678.0	2.20	217.30	YNN	9,661.65	-362.46	-164.94	-362.46	1.03	-0.61	MWD		
OH	9,710.0	2.20	214.30	YNN	9,693.63	-363.45	-165.66	-363.45	0.36	0.00	MWD		
OH	9,743.0	2.60	216.00	YNN	9,726.60	-364.58	-166.46	-364.58	1.23	1.21	MWD		
OH	9,775.0	2.40	216.60	YNN	9,758.57	-365.71	-167.29	-365.71	0.63	-0.63	MWD		
OH	9,808.0	2.80	213.50	YNN	9,791.54	-366.93	-168.14	-366.93	1.28	1.21	MWD		
OH	9,840.0	2.60	208.80	YNN	9,823.50	-368.22	-168.92	-368.22	0.93	-0.63	MWD		
OH	9,873.0	2.30	205.10	YNN	9,856.47	-369.48	-169.56	-369.48	1.03	-0.91	MWD		
OH	9,905.0	2.30	204.50	YNN	9,888.45	-370.64	-170.10	-370.64	0.08	0.00	MWD		
OH	9,938.0	2.60	207.50	YNN	9,921.42	-371.91	-170.72	-371.91	0.99	0.91	MWD		
OH	9,970.0	2.70	212.10	YNN	9,953.38	-373.19	-171.46	-373.19	0.73	0.31	MWD		
OH	10,003.0	2.70	218.20	YNN	9,986.34	-374.46	-172.35	-374.46	0.87	0.00	MWD		
OH	10,035.0	2.30	219.20	YNN	10,018.31	-375.55	-173.22	-375.55	1.26	-1.25	MWD		
OH	10,067.0	1.60	219.40	YNN	10,050.30	-376.39	-173.91	-376.39	2.19	-2.19	MWD		
OH	10,100.0	1.20	213.60	YNN	10,083.29	-377.04	-174.40	-377.04	1.28	-1.21	MWD		
OH	10,132.0	1.60	209.40	YNN	10,115.28	-377.70	-174.80	-377.70	1.29	1.25	MWD		

**Deviation Summary**

Well Name: FR 6P-20-14-20 TMD: 12,573.0 (ft) Closure Distance: 449.1 (ft)										Location: 20-14-S 20-E 8 Spud Date: 5/3/2008 Calculation Method: Minimum Curvature	
TVD: 12,555.48 (ft) Closure Direction: 206.54 (°)										S/T #	V.S. AZI (°)
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	10,165.0	2.10	206.60	YNN	10,148.26	-378.65	-175.30	-378.65	1.54	1.52	MWD
OH	10,197.0	2.20	209.10	YNN	10,180.24	-379.71	-175.86	-379.71	0.43	0.31	MWD
OH	10,229.0	2.10	209.00	YNN	10,212.21	-380.76	-176.44	-380.76	0.31	-0.31	MWD
OH	10,262.0	2.10	205.50	YNN	10,245.19	-381.83	-177.00	-381.83	0.39	0.00	MWD
OH	10,294.0	2.00	201.80	YNN	10,277.17	-382.88	-177.46	-382.88	0.52	-0.31	MWD
OH	10,327.0	2.20	198.10	YNN	10,310.15	-384.02	-177.87	-384.02	0.73	0.61	MWD
OH	10,359.0	2.30	194.40	YNN	10,342.12	-385.22	-178.22	-385.22	0.55	0.31	MWD
OH	10,392.0	2.40	198.00	YNN	10,375.10	-386.52	-178.60	-386.52	0.54	0.30	MWD
OH	10,424.0	2.40	198.90	YNN	10,407.07	-387.79	-179.02	-387.79	0.12	0.00	MWD
OH	10,456.0	2.60	203.80	YNN	10,439.04	-389.09	-179.53	-389.09	0.91	0.63	MWD
OH	10,489.0	2.50	207.40	YNN	10,472.00	-390.41	-180.16	-390.41	0.57	-0.30	MWD
OH	10,521.0	2.00	204.10	YNN	10,503.98	-391.54	-180.71	-391.54	1.61	-1.56	MWD
OH	10,554.0	1.50	195.50	YNN	10,536.96	-392.48	-181.06	-392.48	1.71	-1.52	MWD
OH	10,586.0	1.40	194.20	YNN	10,568.95	-393.27	-181.27	-393.27	0.33	-0.31	MWD
OH	10,619.0	1.00	183.60	YNN	10,601.95	-393.94	-181.39	-393.94	1.38	-1.21	MWD
OH	10,651.0	1.30	184.90	YNN	10,633.94	-394.58	-181.44	-394.58	0.94	0.94	MWD
OH	10,683.0	1.60	185.40	YNN	10,665.93	-395.39	-181.51	-395.39	0.94	0.94	MWD
OH	10,716.0	1.70	198.30	YNN	10,698.92	-396.31	-181.71	-396.31	1.16	0.30	MWD
OH	10,758.0	2.10	216.00	YNN	10,740.89	-397.53	-182.35	-397.53	1.68	0.95	MWD
OH	10,781.0	2.50	218.10	YNN	10,763.88	-398.26	-182.91	-398.26	1.78	1.74	MWD
OH	10,813.0	2.10	224.60	YNN	10,795.85	-399.23	-183.75	-399.23	1.49	-1.25	MWD
OH	10,845.0	1.10	236.80	YNN	10,827.84	-399.82	-184.42	-399.82	3.28	-3.13	MWD
OH	10,878.0	0.40	282.10	YNN	10,860.83	-399.97	-184.80	-399.97	2.63	-2.12	MWD
OH	10,910.0	0.40	345.90	YNN	10,892.83	-399.83	-184.94	-399.83	1.32	0.00	MWD
OH	10,943.0	0.40	7.90	YNN	10,925.83	-399.61	-184.95	-399.61	0.46	0.00	MWD
OH	10,975.0	0.10	20.00	YNN	10,957.83	-399.47	-184.92	-399.47	0.95	-0.94	MWD
OH	11,008.0	0.10	38.50	YNN	10,990.83	-399.42	-184.90	-399.42	0.10	0.00	MWD
OH	11,008.0	0.10	38.50	YNN	10,990.83	-399.42	-184.90	-399.42	0.00	0.00	MWD
OH	11,040.0	0.10	153.80	YNN	11,022.83	-399.43	-184.87	-399.43	0.53	0.00	MWD
OH	11,054.0	0.20	169.90	YNN	11,036.83	-399.46	-184.86	-399.46	0.77	0.71	MWD
OH	11,067.0	0.30	180.80	YNN	11,049.83	-399.52	-184.85	-399.52	0.85	0.77	MWD
OH	11,100.0	0.40	195.80	YNN	11,082.83	-399.71	-184.89	-399.71	0.41	0.30	MWD
OH	11,132.0	0.60	194.00	YNN	11,114.83	-399.98	-184.96	-399.98	0.63	0.63	MWD

Questar E & P

Deviation Summary

Well Name: FR 6P-20-14-20 TMD: 12,573.0 (ft) Closure Distance: 449.1 (ft)										Location: 20-14-S 20-E 8 Spud Date: 5/3/2008 Calculation Method: Minimum Curvature		S/T #	V.S. AZI (°)
TVD: 12,555.48 (ft) Closure Direction: 206.54 (°)										OH	0.00		
S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Vert. Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type		
OH	11,162.0	0.80	192.40	YNN	11,144.83	-400.34	-185.04	-400.34	0.67	0.67	MWD		
OH	11,197.0	0.90	141.80	YNN	11,179.82	-400.80	-184.92	-400.80	2.09	0.29	MWD		
OH	11,230.0	1.20	195.90	YNN	11,212.82	-401.33	-184.86	-401.33	3.00	0.91	MWD		
OH	11,266.0	1.60	203.60	YNN	11,248.81	-402.15	-185.16	-402.15	1.23	1.11	MWD		
OH	11,299.0	2.30	207.50	YNN	11,281.79	-403.16	-185.65	-403.16	2.16	2.12	MWD		
OH	11,331.0	1.80	210.30	YNN	11,313.77	-404.17	-186.20	-404.17	1.59	-1.56	MWD		
OH	11,364.0	1.30	222.80	YNN	11,346.76	-404.89	-186.72	-404.89	1.82	-1.52	MWD		
OH	11,396.0	1.10	223.40	YNN	11,378.75	-405.38	-187.18	-405.38	0.63	-0.63	MWD		
OH	11,429.0	0.60	252.00	YNN	11,411.75	-405.66	-187.56	-405.66	1.94	-1.52	MWD		
OH	11,461.0	0.70	301.60	YNN	11,443.74	-405.61	-187.88	-405.61	1.73	0.31	MWD		
OH	11,493.0	0.50	323.90	YNN	11,475.74	-405.40	-188.13	-405.40	0.95	-0.63	MWD		
OH	11,526.0	0.60	274.60	YNN	11,508.74	-405.27	-188.39	-405.27	1.42	0.30	MWD		
OH	11,558.0	0.90	228.80	YNN	11,540.74	-405.42	-188.74	-405.42	2.02	0.94	MWD		
OH	11,591.0	1.70	205.50	YNN	11,573.73	-406.03	-189.15	-406.03	2.86	2.42	MWD		
OH	11,623.0	2.50	200.00	YNN	11,605.71	-407.12	-189.59	-407.12	2.58	2.50	MWD		
OH	11,654.0	2.50	197.90	YNN	11,636.68	-408.39	-190.03	-408.39	0.30	0.00	MWD		
OH	11,686.0	1.70	198.50	YNN	11,668.66	-409.51	-190.40	-409.51	2.50	-2.50	MWD		
OH	11,719.0	0.60	220.90	YNN	11,701.65	-410.10	-190.67	-410.10	3.54	-3.33	MWD		
OH	11,745.0	0.90	207.70	YNN	11,727.65	-410.39	-190.85	-410.39	1.32	1.15	MWD		
OH	11,777.0	1.10	221.00	YNN	11,759.64	-410.84	-191.17	-410.84	0.95	0.63	MWD		
OH	11,810.0	0.40	273.50	YNN	11,792.64	-411.07	-191.49	-411.07	2.77	-2.12	MWD		
OH	11,848.0	0.20	335.70	YNN	11,830.64	-411.01	-191.65	-411.01	0.93	-0.53	MWD		
OH	11,881.0	0.30	310.90	YNN	11,863.64	-410.90	-191.74	-410.90	0.44	0.30	MWD		
OH	11,913.0	0.40	327.10	YNN	11,895.64	-410.75	-191.86	-410.75	0.44	0.31	MWD		
OH	11,945.0	0.50	327.90	YNN	11,927.64	-410.54	-192.00	-410.54	0.31	0.31	MWD		
OH	11,978.0	0.50	307.90	YNN	11,960.64	-410.32	-192.19	-410.32	0.53	0.00	MWD		
OH	12,010.0	0.50	350.10	YNN	11,992.64	-410.10	-192.32	-410.10	1.12	0.00	MWD		
OH	12,043.0	0.90	351.00	YNN	12,025.63	-409.70	-192.39	-409.70	1.21	1.21	MWD		
OH	12,075.0	0.90	347.30	YNN	12,057.63	-409.21	-192.48	-409.21	0.18	0.00	MWD		
OH	12,107.0	1.10	345.50	YNN	12,089.62	-408.67	-192.62	-408.67	0.63	0.63	MWD		
OH	12,123.0	1.10	353.30	YNN	12,105.62	-408.37	-192.67	-408.37	0.94	0.00	MWD		
OH	12,573.0	2.00	286.95	YNN	12,555.48	-401.79	-200.69	-401.79	0.41	0.20	MSS		

Operations Summary Report - DRILLING

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/4/2008	06:00 - 11:30	5.50	LOC	2	DRILL 30" CONDUCTOR TO 90' SET 20" CONDUCTOR PIPE DRILL MOUSE HOLE TO 80' MICHAEL LEE NOTIFIED OF SPUD 12:54, 5/28/2008
	11:30 - 01:30	14.00	DRL	9	DRILL 15 1/2" SURFACE HOLE F/90' TO 539' TD FOR SURFACE
	01:30 - 02:30	1.00	TRP	3	TRIP OUT TO RUN 10 3/4" CASING LAY DOWN DRILL STRING
	02:30 - 04:30	2.00	CSG	2	RUN 12 JTS OF 10 3/4", #40.5, J-55, ST&C CASING SET AT 520' GL
	04:30 - 06:00	1.50	CMT	2	CEMENT, PUMPED 70 BBLS OF WATER, 20 BBLS OF GEL WATER AND 88 BBLS OF 15.8 PPG 430 SKS OF CEMENT DISPLACED WITH 46.5 BBLS OF WATER, 10 BBLS OF RETURNS TO PITS FLOAT HELD. CALLED JAMIE SPARGER WITH BLM ON CEMENT JOB
6/12/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN TOP DRIVE UNABLE TO BREAK CONNECTIONS FOR LOAD PATH INSPECTION, GENERAL RIG DOWN
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
6/13/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN LAY OVER DERRICK UNSTRING BLOCKS PREPARE FOR TRUCKS
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
6/14/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN ALL WATER AND ELETRICAL LINES DRAIN WATER TANKS WORK ON SHAKERS PREPARE FOR TRUCKS
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
6/15/2008	06:00 - 18:00	12.00	LOC	3	MOVE FROM SCS5C TO FR6P USING PIPE LINE ROAD, RIG MOVE 50%, RIG DOWN 80%, WILL STORE 4 1/2" DRILL STRING ON FR7P OKAYED BY JOHANNA WILL HAVE TO WATER ROADS FOR DUST CONTROLL
	06:00 - 18:00	12.00	LOC	4	GET DERRICK OFF FLOOR, BREAK DOWN SUB, WE ARE PULLING EVERY LOAD UP HILL ON FLATROCK SIDE RIG MOVE 75%, RIG DOWN 100%
6/17/2008	06:00 - 18:00	12.00	LOC	4	RIG MOVE 85% - RIG UP 10%, SET MATTING BOARDS & SUB
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT - WILL MOVE CAMPS TODAY
6/18/2008	06:00 - 18:00	12.00	LOC	4	90% RIG MOVE & 50% RIG UP, STACK BOP, SET UPPER SUB, FLOOR MOTORS, DRAWWORKS, SHAKER & INTERMEDIATE MUD TANKS & 1 MIUD PUMP. WILL MOVE DERRICK TODAY
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHTS
6/19/2008	06:00 - 18:00	12.00	LOC	4	NOTE: ESTIMATE OFF SCS 5C LOCATION THURSDAY EVE 6/19/2008 95% RIG MOVE & 70% RIG UP, SET #2 MUD PUMP, SUCTION TANK, BACKYARD, TOP DOG HOUSES, GAS BUSTER & FLARE BOX. DERRICK ON LOCATION
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
6/20/2008	06:00 - 18:00	12.00	LOC	4	NOTE: SHOULD BE OFF SCS 5C LOCATION FRIDAY, 6/20/2008 - 2 STRINGS TUBULARS LEFT
	18:00 - 06:00	12.00	OTH		97% RIG MOVE & 90% RIG UP, POWER WASH DERRICK, PIN & SET ON FLOOR. SET HOPPER HOUSE & SOLIDS EQUIPMENT (MODIFYING CHOKE LINE & BLOOIE LINE BECAUSE OF HEIGHT DIFFERNENCE IN WELL HEAD)
6/21/2008	06:00 - 06:00	24.00	LOC	4	WAIT ON DAYLIGHT
	-	-	-	-	NOTE: UNIT MECHANIC BROUGHT OUT NEW BRAKE BANDS FOR DRAWWORKS, NOT CORRECT BANDS. BRAKE PADS FOR OLD BANDS SHOULD BE ON LOCATION TODAY, 6/20/2008. WILL BE OFF SCS 5C LOCATION TODAY 6/20/2008. WILL BREAK TOWER TODAY 6/20/2008.
6/22/2008	06:00 - 01:00	19.00	LOC	4	STRING UP, STRESS TEST DERRICK & RAISE DERRICK, HANG BACK BRIDLE LINE, RIG UP FLOOR & INSTALL CHOKE, PANIC, FLARE & BLOOIE LINES
	-	-	-	-	NOTE: WEATHERFORD AIR PACKAGE SCHEDULED ON LOCATION THIS AM. CRANE RELEASED @ 1000 HRS, 4 LOADS TUBULARS LEFT TO UNLOAD. NOTIFIED BILL OWEN @ 0945 HRS W/ BLM OF INTENT TO TEST BOP & DRILL INTERMEDIATE. NOTIFIED RACHEL @ 1330 HRS W/ UTAH OIL & GAS OF INTENT
6/22/2008	06:00 - 01:00	19.00	LOC	4	100% RIG UP, PICK UP & HANG TORQUE TUBE, PICK UP SWIVEL & TOP DRIVE, LOAD PATH INSPECTION BY TESCO, HANG SERVICE LOOP, SET IN

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20-14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations	
6/22/2008	06:00 - 01:00	19.00	LOC	4	WEATHERFORD AIR PACKAGE	
	01:00 - 06:00	5.00	BOP	2	TEST BOP & CHOKE W/ 250 PSI LOW & 5000 PSI HIGH	
	06:00 -				NOTE: WEATHERFORD SHORT HARD LINE. WHEN OFF LOADING BOOSTER PUMP FOUND 3" CRACK IN ENGINE BLOCK ABOVE OIL PAN. NEW BOOSTER ETA TODAY. HARD LINE THIS AM.	
6/23/2008	06:00 - 09:00	3.00	BOP	2	TEST BOP W/ B&C QUICK TEST. UPPER & LOWER PIPE RAMS, BLIND RAMS, CHOKE & KILL LINE, CHOKE MANIFOLD, FLOOR VALVES & DOUBLE BALL F/ TOP DRIVE W/ 250PSI LOW & 5000 PSI HIGH. TEST ANNULAR W/ 2500 PSI. TEST KELLY HOSE, STANDPIPE & MUD LINES W/ 250 PSI LOW & 3000 PSI HIGH. TEST SURFACE CASING W/ 1500 PSI F/ 30 MIN.	
	09:00 - 14:00	5.00	OTH		PULL DRAWWORKS BRAKE BANDS & INSTALL NEW BRAKE PADS, INSTALL BANDS	
	14:00 - 17:00	3.00	OTH		FINISH LAYING OUT BHA & STRAP, INSTALL SERVICE LOOP TARP	
	17:00 - 18:00	1.00	OTH		INSTALL WEAR BUSHING	
	18:00 - 20:30	2.50	TRP	1	M/U 9-7/8" BIT # 1 & TIH PICKING UP BHA	
	20:30 - 21:00	0.50	OTH		TEST WEATHERFORD AIRLINES W/ 1500 PSI	
	21:00 - 00:00	3.00	TRP	1	TIH PICKING UP BHA	
	00:00 - 00:30	0.50	OTH		INSTALL ROTATING HEAD RUBBER	
	00:30 - 01:30	1.00	OTH		BLOW HOLE DRY (10" VALVE ON FLOW LINE LEAKING, TIGHTEN BOLTS)	
	01:30 - 03:30	2.00	DRL	4	DRILL CEMENT, FLOAT EQUIPMENT & CEMENT POCKET F/ 453' TO 539'	
	03:30 - 04:30	1.00	DRL	1	DRILL 9-7/8" HOLE W/ AIR F/ 539' TO 628', WOB 18K, ROT 70, 2900 CFM, 225 PSI (DUSTING)	
	04:30 - 05:00	0.50	SUR	1	WIRELINE SURVEY @ 618' UNABLE TO RETRIEVE SURVEY TOOL	
	05:00 - 06:00	1.00	TRP	2	TRIP OUT OF HOLE TO RETRIEVE SURVEY TOOL	
	06:00 - 07:00	1.00	TRP	2	TOOH	
	6/24/2008	07:00 - 08:00	1.00	OTH		RETRIEVE SURVEY, CROWSFOOT WEDGED AGAINST SURVEY TOOL
08:00 - 10:00		2.00	TRP	2	TIH W/ BIT # 1, P/U 3 - 6-1/2" DC	
10:00 - 16:30		6.50	DRL	1	DRILL F/ 628' TO 995', WOB 18-20K, RT 70, CFM 2900, PSI 225 (DUSTING)	
16:30 - 17:00		0.50	RIG	1	RIG SERVICE	
17:00 - 02:30		9.50	DRL	1	DRILL F/ 995' TO 1636', WOB 18-20K, RT 70, CFM 2900, PSI 300 ( WATER SAND @ 1238', START MISTING @ 1490' - 9GPM)	
02:30 - 03:00		0.50	SUR	1	WIRELINE SURVEY @ 1629' = .4 INC & 164.35 AZ	
03:00 - 04:00		1.00	DRL	1	DRILL F/ 1636' TO 1826', WOB 20-22K, ROT 70, CFM 2900, PSI 310, MIST 9 GPM	
04:00 - 06:00		2.00	OTH		TOTAL TIME CONNECTIONS & REGAIN CIRCULATION	
6/25/2008		06:00 - 12:30	6.50	DRL	1	DRILL F/ 1826' TO 2117', WOB 25-30K, ROT 70, CFM 2900, PSI 330 MIST 9 GPM (MAKING WATER)
		12:30 - 13:00	0.50	RIG	1	RIG SERVICE
		13:00 - 18:30	5.50	DRL	1	DRILL F/ 2117' TO 2507', WOB 30K, ROT 75, CFM 2900, PSI 430 MIST 9 GPM (MAKING WATER)
		18:30 - 19:00	0.50	OTH		REPAR HOLE IN FLOW LINE
		19:00 - 22:00	3.00	DRL	1	DRILL F/ 2507' TO 2701', WOB 30K, ROT 75, CFM 2900, PSI 490 MIST 9 GPM (MAKING WATER)
		22:00 - 23:00	1.00	SUR	1	WIRELINE SURVEY @ 2693' = .5 INC & 240.75 AZ
		23:00 - 03:00	4.00	DRL	1	DRILL F/ 2701' TO 3050', WOB 30K, ROT 75, CFM 2900, SPM 50, 132 GPM PSI 660 (DRILL W/ AIREATED FLUID @ 0030 HRS
6/26/2008	03:00 - 06:00	3.00	OTH		CONNECTIONS & REGAIN CIRCULATION	
	06:00 - 09:00	3.00	DRL	1	DRILL F/ 3050' TO 3171', WOB 30K, ROT 75, CFM 2900, PS 50, GPM 132, PSI 660	
	09:00 - 09:30	0.50	RIG	2	REPAIR WEATHERFORD MIST PUMP	
	09:30 - 11:30	2.00	DRL	1	DRILL F/ 3171' TO 3285', WOB 30-35K, ROT 80, CFM 2900, PS 50, GPM 132, PSI 660	
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE	
	12:00 - 15:00	3.00	OTH		TOTAL TIME CONNECTIONS & REGAIN CIRCULATION W/ AIR	
	15:00 - 03:00	12.00	DRL	1	DRILL F/ 3285' TO 3832', WOB 35-40K, ROT 80, CFM 2900, PS 65, GPM 171, PSI	

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20-14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/26/2008	15:00 - 03:00	12.00	DRL	1	715 (1900 HRS START REDUCING AIR & INCREASING PUMP STROKES TO MAINTAIN RESERVE PIT LEVEL)
	03:00 - 04:30	1.50	CIRC	1	PUMP 20 BBL SWEEP, PUMP 800 BBL FLUID INTO FORMATION W/ PUMPS @ 527 GPM - NO AIR
6/27/2008	04:30 - 06:00	1.50	TRP	14	SHORT TRIP TO SHOE - SLM
	06:00 - 09:30	3.50	TRP	15	FINISH SHORT TRIP TO SHOE 8K MAX OVER PULL & TIH (SLM-NO CHANGE)
	09:30 - 11:30	2.00	CIRC	1	PUMP SWEEP, CIRCULATE & CONDITION TO RUN CASING
	11:30 - 12:00	0.50	SUR	1	WIRELINE SURVEY
	12:00 - 14:30	2.50	TRP	2	TOOH TO RUN CASING
	14:30 - 15:30	1.00	TRP	1	LAY DOWN 6-1/2" & 8" DRILL COLLARS
	15:30 - 17:00	1.50	OTH		CLEAN FLOOR, PULL WEAR BUSHING, CHANGE OUT BAILS & ELEVATORS
	17:00 - 19:00	2.00	CSG	1	RIG UP FRANKS CASING CREW, HOLD SAFETY MEETING
	19:00 - 23:00	4.00	CSG	2	RUN 22 JTS 7-5/8", 29.7#, P110, LT&C CASING
	23:00 - 23:30	0.50	RIG	2	REPAIR HYDRAULIC LEAK TO DOUBLE BALL VALVE TOP DRIVE
	23:30 - 03:00	3.50	CSG	2	RUN 59 JTS CASING TOTAL 81 JTS, SHOE @ 3812', FLOAT COLLAR @ 3718.6'
6/28/2008	03:00 - 04:00	1.00	CSG	2	LAND MANDRIL & BREAK CIRCULATION
	04:00 - 06:00	2.00	OTH		R/D FRANKS, PACKOFF WELLHEAD & TEST W/ 5000 PSI
	06:00 - 10:30	4.50	CMT	2	SPOT PUMP TRUCKS & WAIT ON HALLIBURTON NITROGEN TRUCKS
	10:30 - 14:00	3.50	CMT	1	SPOT N2 TRUCKS & RIG UP HALLIBURTON
	14:00 - 18:30	4.50	CMT	2	SAFETY MEETING, TEST CEMENT LINES TO 6000 PSI N2 LINES TO 9000 PSI, PUMP 10 BBL FOAMED WATER, 20 BBL FOAMED SUPER FLUSH, 20 BBL FOAMED WATER, PUMP 91 BBL 345 SKS YIELD 1.48 FOAMED DENSITY 8.5 LB/GAL, PUMP FOAMED TAIL CEMENT @ 5 BBL/MIN 80 BBL 305 SKS, PUMP UNFOAMED TAIL @ 43.5 BBL 165 SKS, 14.3 LB/GAL, DROP PLUG DISPLACE W/ 169.2 BBL WATER, BUMP MPLUG W/ 1300 PSI, FLOATS HELD W/ 1.7 BBL BACK, NO RETURNS DURING ENTIRE JOB, PUMP CAP CEMENT 55 BBL, 200 SKS @ 14.6 LB/GAL
	18:30 - 19:30	1.00	CMT	1	RIG DOWN CEMENTERS (NOTIFIED @ 2100 HRS BY ENGINEER SEAN JONES & CEMENTER CHRIS THAT VALVES ON "A" SECTION WERE CLOSED DURING CEMENT JOB)
	19:30 - 22:00	2.50	OTH		REPAIR FLOW LINE, CHANGE OUT BAILS & ELEVATORS & CLEAN FLOOR
	22:00 - 00:00	2.00	OTH		INSTALL WEAR BUSHING, STRAP & PICK UP BHA
	00:00 - 03:30	3.50	TRP	2	M/U BIT # 2 & TIH TO 3650'
	03:30 - 04:30	1.00	OTH		TEST CASING W/ 1500 PSI
	04:30 - 05:00	0.50	TRP	2	TIH TO 3670', TAG CEMENT STRINGERS
6/29/2008	05:00 - 06:00	1.00	DRL	4	DRILL CEMENT & FLOAT EQUIPMENT
	06:00 - 06:30	0.50	DRL	4	DRILL FLOAT EQUIPMENT & CEMENT POCKET TO 3832'
	06:30 - 07:00	0.50	DRL	1	DRILL 6-1/2" HOLE W/ .46 MUD MOTOR & PDC BIT F/ 3832' TO 3845', WOB 6K, ROT 10, RPM 110, PS 80, PP 1000
	07:00 - 07:30	0.50	EQT	2	FIT W/ 8.45# AMW & 722 PSI = 12.06# EMW
	07:30 - 14:30	7.00	DRL	1	DRILL F/ 3845' TO 4030', WOB 6-13K, ROT 10, RPM 115, PS 85, PP 1100 (3904' TO 3970', ROP 14.6 FT/HR - WOB 6-24K)
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 22:00	7.00	DRL	1	DRILL F/ 4030' TO 4419', WOB 7-15K, ROT 10, RPM 115, PS 85, PP 1200
6/30/2008	22:00 - 22:30	0.50	SUR	1	WIRELINE SURVEY @ 4353' = 1.6 INC & 192.35 AZ
	22:30 - 04:00	5.50	DRL	1	DRILL F/ 4419' TO 4938', WOB 6-16K, ROT 10, RPM 115, PS 85, PP 1310
	04:00 - 06:00	2.00	OTH		TOTAL TIME F/ COINNECTIONS
	06:00 - 08:30	2.50	DRL	1	DRILL F/ 4938' TO 5019', WOB 6-28K, ROT 10, RPM 115, PS 85, PP 1425
	08:30 - 09:30	1.00	CIRC	1	DROP SURVEY & PUMP DRY SLUG
	09:30 - 12:30	3.00	TRP	2	TOOH W/ BIT # 2 (WET)
	12:30 - 13:30	1.00	OTH		RETRIEVE SURVEY, CHANGE OUT BIT & MUD MOTOR (3 JET NOZZLES PLUGGED)
	13:30 - 14:30	1.00	TRP	2	SURFACE TEST MUD MOTOR & TIH W/ BIT # 3 & .26 MUD MOTOR

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/30/2008	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 16:30	1.50	TRP	2	TIH TO 4938'
	16:30 - 17:30	1.00	RIG	2	TOTAL TIME ON TRIP ATTEMPTING TO REPAIR SMITH TRU TORQUE
	17:30 - 18:00	0.50	REAM	1	WASH & REAM F/ 4938' TO 5019' (PRECAUTIONARY)
	18:00 - 04:30	10.50	DRL	1	DRILL F/ 5019' TO 5794', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1450
7/1/2008	04:30 - 06:00	1.50	OTH		TOTAL TIME F/ CONNECTIONS
	06:00 - 07:30	1.50	DRL	1	DRILL F/ 5794' TO 5878', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1475
	07:30 - 08:00	0.50	SUR	1	WIRELINE SURVEY @ 5841' = MISS RUN
	08:00 - 10:00	2.00	DRL	1	DRILL F/ 5878' TO 5975', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	10:00 - 10:30	0.50	SUR	1	WIRELINE SURVEY @ 5935' = 4.2 INC & 209.55 AZ
	10:30 - 13:30	3.00	DRL	1	DRILL F/ 5975' TO 6070', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE & CHANGE OUT FUEL FILTERS TOP DRIVE
	14:00 - 23:30	9.50	DRL	1	DRILL F/ 6070' TO 6461', WOB 10-12K, ROT 40, RPM 110, PS 100, PP 1500
	23:30 - 00:30	1.00	SUR	1	WIRELINE SURVEY @ 6426' = 4.2 INC & 204.95 AZ
	00:30 - 04:30	4.00	DRL	1	DRILL F/ 6461' TO 6655', WOB 10-12K, ROT 10, RPM 75, PS 95, PP 1450
7/2/2008	04:30 - 06:00	1.50	OTH		TOTAL TIME F/ CONNECTIONS
	06:00 - 14:00	8.00	DRL	1	DRILL F/6655' TO 6752' WOB 17, ROT 10, PS 95, PP 1500, MM .26 1/2 HOUR OFF BIT HOURS FOR CONNECTIONS
	14:00 - 14:30	0.50	SUR	1	DROP SURVEY
	14:30 - 16:30	2.00	TRP	10	PUMP DRY PIPE PILL AND TRIP OUT BIT #3
	16:30 - 21:30	5.00	FISH	6	AT 5375' ON TRIP OUT STUCK DRILL STRING COULD NOT CIRCULATE AND JARS WOULD NOT FIRE DOWN, WORKED PIPE AND FIRED JARS UP ESTABLISHED CIRCULATION RAISED MW TO 9.3 PPG HOLE SLUFFING GOT ROTATION BACK AND CIRCULATE
	21:30 - 23:00	1.50	CIRC	1	CIRCULATE WELLBORE FOR SLUFFING SHALES
7/3/2008	23:00 - 06:00	7.00	TRP	10	TRIP OUT BACK REAM EACH STAND AND CIRCULATE OUT TO 4800' SLUFFING SHALE COULD NOT PULL A STAND WITH OUT PUMP LOTS OF CUTTING OVER SHAKERS FROM 4800' TO SHOE NO PUMP OR OVER PULL
	06:00 - 09:00	3.00	TRP	10	TRIP OUT BIT #3, REPLACE JARS AND LAY DOWN IBS
	09:00 - 09:30	0.50	OTH		FUNCTION TEST BOP
	09:30 - 14:00	4.50	TRP	10	TRIP IN BIT #4 AND .26 MUD MOTOR
	14:00 - 15:00	1.00	REAM	1	WASH AND REAM LAST STAND TO BOTTOM 30' FILL
	15:00 - 05:30	14.50	DRL	1	DRILL F/6752' TO 6893' WOB 14-20, ROT 10, PS 95, PP 1537, MM .26
7/4/2008	05:30 - 06:00	0.50	OTH		CONNECTIONS
	06:00 - 14:30	8.50	DRL	1	DRILL F/6893' TO 7041' WOB 21, ROT 10, PS 95, PP 1550, MM .26
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 17:30	2.50	DRL	1	DRILL F/7041' TO 7093' WOB 21, ROT 10, PS 95, PP 1550, MM .26
	17:30 - 18:00	0.50	OTH		CONNECTIONS
	18:00 - 00:00	6.00	DRL	1	DRILL F/7093' TO 7235' WOB 14-21, ROT 10-40, PS 95, PP 1500 DROPPED WOB AND INCREASED ROTARTY WHEN WE GOT IN MANCOS
	00:00 - 01:00	1.00	SUR	1	SURVEY @7200' 6 INC 209.05 AZM WILL RESURVEY KELLY DOWN NEXT STAND
	01:00 - 04:00	3.00	DRL	1	DRILL F/7235' TO 7332' WOB 14, ROT 40, PS 95, PP 1500
7/5/2008	04:00 - 05:00	1.00	SUR	1	SURVEY @7297' 5.8 INC 207.05 AZM
	05:00 - 05:30	0.50	DRL	1	DRILL F/7332' TO 7374' WOB 14, ROT 40, PS 95, PP 1500
	05:30 - 06:00	0.50	OTH		CONNECTIONS
	06:00 - 12:00	6.00	DRL	1	DRILL F/7374' TO 7507' WOB 17, ROT 40, PS 95, PP 1450, MM .26
	12:00 - 12:30	0.50	SUR	1	DROP SURVEY
	12:30 - 17:30	5.00	TRP	10	TRIP OUT BIT #4 FIRST 43 STDS HAD TO BE BACKREAMED
	17:30 - 18:00	0.50	OTH		FUNCTION TEST BOP
	18:00 - 22:00	4.00	TRP	10	PICK UP .46 MUD MOTOR AND TRIP IN TAGGED AT 6800'
7/5/2008	22:00 - 02:00	4.00	REAM	1	WASH AND REAM F/6800' TO 7507'
	02:00 - 05:30	3.50	DRL	1	DRILL F/7507' TO 7786' WOB 8, ROT 20, PS 95, PP 1650, MM .46

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/5/2008	05:30 - 06:00	0.50	OTH		CONNECTIONS
7/6/2008	06:00 - 09:30	3.50	DRL	1	DRILL F/7786' TO 8013' WOB 9, ROT 20, PS 95, PP 1570, MM .46
	09:30 - 10:00	0.50	CIRC	1	CIRCULATE FOR SURVEY
	10:00 - 11:00	1.00	SUR	1	SURVEY @ 7980' 7.2 INC 205.75 AZM
	11:00 - 13:30	2.50	DRL	1	DRILL F/8013' TO 8303' WOB 8, ROT 50 PS 95, PP 1570, MM .46
	13:30 - 14:30	1.00	OTH		CONNECTIONS
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE
	15:00 - 16:00	1.00	SUR	1	SURVEY @ 8270' 7.8 INC 208.75 AZM
7/7/2008	16:00 - 06:00	14.00	WOT	4	WAIT ON DIRECTIONAL TOOLS, WIPER TRIP 16 STDS AND CIRCULATE
	06:00 - 10:30	4.50	TRP	2	TRIP OUT TO PICK UP DIRRECTIONAL TOOLS
	10:30 - 11:00	0.50	TRP	1	LAY DOWN MUD MOTOR AND MONEL
	11:00 - 13:00	2.00	TRP	1	PICK UP DIRRECTIONAL TOOLS AND ORIENT
	13:00 - 15:00	2.00	TRP	2	TRIP INTO SHOE
	15:00 - 17:00	2.00	RIG	6	SLIP AND CUT DRILLING LINE AND ADJUST BREAKS
	17:00 - 20:00	3.00	TRP	2	FINSIH TRIP IN WASH LAST STD TO BOTTOM
	20:00 - 05:30	9.50	DRL	2	DRILL F/8303' TO 8509' WOB 6, ROT 40, PS 80, PP 1475, SLIDE 10' ROTATE 50' TO DROP ANGLE
7/8/2008	05:30 - 06:00	0.50	OTH		CONNECTIONS AND SURVEYS
	06:00 - 10:30	4.50	DRL	2	DRILL F/8509' TO 8615' WOB 7, ROT 40, PS 80, PP 1320, MM .5, SLIDE 10' ROTATE 20'
	10:30 - 11:30	1.00	CIRC	1	GAIN 67 BBLs CIRCULATE GAS THROUGH CHOKE (BALLOONING)
	11:30 - 18:30	7.00	DRL	1	DRILL F/8615' TO 8734' WOB 7, ROT 40, PS 80, PP 1320, ONE SLIDE 15' ROTATE 15', SLIDE 20' ROTATE 20'
	18:30 - 19:00	0.50	RIG	1	CHANGE ROTATING RUBBER RIG SERVICE
	19:00 - 21:00	2.00	RIG	2	CHANGE OUT WASH PIPE
	21:00 - 22:00	1.00	RIG	2	CHANGE SLIP DYES ON 4" SLIPS
	22:00 - 23:00	1.00	DRL	2	SLIDE F/8734' 8739'
	23:00 - 03:30	4.50	RIG	2	WASH PIPE LEAKING CHANGE OUT WASH PIPE TEST AND LEAKED REBUILD WASH PIPE AND CHANGE OUT
7/9/2008	03:30 - 06:00	2.50	DRL	2	SLIDE F/8739' TO 8755'
	06:00 - 12:00	6.00	DRL	2	DRILL F/8755' TO 8929' WOB 8, ROT 40, PS 80, PP 1320, MM .5 SLIDE 20' ROTATE TEN PER JOINT
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 04:00	15.50	DRL	2	DRILL F/8929' TO 9065' WOB 6, ROT 40, PS 80, PP 1320, MM .5 SLIDE 15 ROTATE 90' BUILT F/2.4 TO 5.2 SLIDE 20' ROTATE 10', SLIDE 15 ROTATE 15' ON EACH JOINT
7/10/2008	04:00 - 06:00	2.00	OTH		CONNECTION & SURVEY
	06:00 - 11:30	5.50	DRL	2	DRILL F/9065' TO 9123' WOB 4, ROT 50, PS 90, PP 1435, MM .5 SLIDE 12 ROTATE 18', SLIDE 15'
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE
	12:00 - 04:00	16.00	DRL	2	DRILL F/9123' TO 9318' WOB 4, ROT 50, PS 90, PP 1453, ROTATE 75' SLIDE 10 ROTATE 50' SLIDE TEN ROTATE 20'
7/11/2008	04:00 - 06:00	2.00	OTH		CONNECTIONS AND SURVEYS
	06:00 - 10:00	4.00	DRL	1	DRILL F/9318' TO 9416' WOB 4, ROT 40, PS 90, PP 1400, MM .5
	10:00 - 11:00	1.00	CIRC	1	CIRCULATE AND PUMP DRY PIPE PILL
	11:00 - 14:30	3.50	TRP	10	TRIP OUT BIT #6
	14:30 - 15:30	1.00	OTH		WORK TIGHT HOLE AT 4443'
	15:30 - 16:30	1.00	TRP	10	TRIP OUT TO HWDP FOR INSPECTION
	16:30 - 21:00	4.50	ISP	1	INSPECT BHA
	21:00 - 22:30	1.50	OTH		CHANGE BATTERIES IN MWD AND PICK UP NEW BIT
	22:30 - 23:00	0.50	OTH		FUNCTION TEST BOP
	23:00 - 02:00	3.00	TRP	10	TRIP IN BIT #7 TIGHT F/4300' TO
	02:00 - 06:00	4.00	REAM	1	WASH AND REAM F/4400' TO 5135'

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/12/2008	06:00 - 19:00	13.00	REAM	1	REAM F/5135' TO 7700' TRIP IN 10 STDS THEN WASH LAST TWO STDS TO BOTTOM
	19:00 - 06:00	11.00	DRL	2	DRILL F/9416' TO 9465' WOB 8, ROT 40, PS 90, PP 1375, MM .5 SLIDE 15, ROTATE 15', SLIDE 15' SLIDES ARE 3' PER HOUR HANGING UP SLIDING
7/13/2008	06:00 - 19:30	13.50	DRL	2	DRILL F/9465' TO 9550' WOB 6, ROT 40, PS 90, PP 1580, MM .5, SLIDE TO DROP ANGLE STARTED AT 15' SLIDE INCREASED TO 20' PER JOINT UNABLE TO HOLD TOOL FACE
	19:30 - 02:00	6.50	TRP	2	TRIP OUT BIT #7 TIGHT FOR THREE STANDS AT 5100' TO 4800' BACK REAM
	02:00 - 04:00	2.00	OTH		CHANGE MOTOR AND BIT ORIENT TOOLS
	04:00 - 06:00	2.00	TRP	2	TRIP IN BIT #8 LEAVE OUT DRILL COLLARS PUT AGITATOR AND SHOCK SUB BELOW JARS
7/14/2008	06:00 - 11:30	5.50	TRP	2	TRIP IN BIT #8, PICK UP 14 JTS OF DRILL PIPE
	11:30 - 12:00	0.50	REAM	1	WASH AND REAM LAST STD TO BOTTOM
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 05:30	17.00	DRL	2	DRILL F/9550' TO 9923' WOB 5-10, ROT 40, PS 90, PP 1800, MM .5 1.5 DEGREE SLIDE 20' AND ROTATE 10 TO DROP, SLIDE 15' AND ROTATE 45' TO MAINTAIN ANGLE SLIDES GOING WELL
7/15/2008	05:30 - 06:00	0.50	SUR	1	CONNECTIONS AND SURVEYS
	06:00 - 08:30	2.50	DRL	2	DRILL F/9923' TO 9955' WOB 8, ROT 50, PS 90, PP 1800, MM .5
	08:30 - 09:00	0.50	RIG	1	RIG SERVICE
	09:00 - 05:00	20.00	DRL	2	DRILL F/9955' TO 10279' WOB 5-11, ROT 20, PS 90, PP 1900, SLIDE 15' ROTATE 15' MOST OF THE TIME
7/16/2008	05:00 - 06:00	1.00	SUR	1	CONNECTIONS AND SURVEYS
	06:00 - 09:00	3.00	DRL	1	DRILL F/ 10279' TO 10344', WOB 8-12K, ROT 20, RPM 145, PS 90, PP 1900
	09:00 - 09:30	0.50	RIG	1	RIG SERVICE
	09:30 - 18:30	9.00	DRL	1	DRILL F/ 10344' TO 10477', WOB 6-9K, ROT 20, RPM 145, PS 90, PP 1900
	18:30 - 19:00	0.50	RIG	2	CHANGE OUT GRABBER DIES
	19:00 - 05:00	10.00	DRL	1	DRILL F/ 10477' TO 10680', WOB 6-10K, ROT 20, RPM 145 PS 90, PP 1900
7/17/2008	05:00 - 06:00	1.00	OTH		CONNECTIONS & SURVEYS
	-	-	-	-	NOTE: ROTATE 30' & SLIDE 15'
	06:00 - 13:30	7.50	DRL	2	DRILL F/ 10680' TO 10786', WOB 6-10K, ROT 20, RPM 145, PS 90, PP 1900 (SLIDE 45% & ROTATE 55%)
	13:30 - 14:00	0.50	OTH		CONNECTIONS & SURVEYS
	14:00 - 14:30	0.50	RIG	2	TROUBLE SHOOT MWD TOOL PROBLEM
	14:30 - 21:30	7.00	TRP	13	TOOH W/ BIT # 8 TO CHANGE OUT MWD TOOL (KNOTTY F/ 6000' TO 4800' MAX OVERPULL 32K)
	21:30 - 23:00	1.50	TRP	1	CHANGE BIT, MUD MOTOR, MWD TOOL, ORIENT TOOL & SURFACE TEST MUD MOTOR
	23:00 - 04:00	5.00	TRP	13	TIH W/ BIT # 9 (WASH & REAM F/ 5390' TO 5400')
	04:00 - 04:30	0.50	REAM	1	WASH & REAM F/ 10733' TO 10786' (PRECAUTIONARY
	04:30 - 06:00	1.50	DRL	2	DRILL F/ 10786' TO 10806', WOB 8-13K, ROT 30, RPM 160, PS 90, PP 1900 (PDC BIT & .56 MUD MOTOR)
7/18/2008	06:00 - 07:00	1.00	SUR	1	ATTEMPT TO SURVEY, TOOL NOT READING, SURVEY @ 10758' = 2.1 INC & 216 AZ
	07:00 - 16:30	9.50	DRL	2	DRILL F/ 10806' TO 10928', WOB 7-13K, ROT 20, RPM 155, PS 90, PP 2000 (SLIDE 50% - ROTATE 50%)
	16:30 - 17:00	0.50	RIG	1	RIG SERVICE
	17:00 - 05:00	12.00	DRL	2	DRILL F/ 10928' TO 11090', WOB 14-16K, ROT 20, RPM 155, PS 90, PP 2050 (ROTATE 100%) LAST SURVEY @ 11008' = .1 INC & 38.5 AZ
7/19/2008	05:00 - 06:00	1.00	OTH		CONNECTIONS & SURVEYS
	06:00 - 07:30	1.50	DRL	2	DRILL F/ 11090' TO 11104', WOB 12-16K, ROT 20, PS 90, PP 1900
	07:30 - 08:00	0.50	CIRC	1	PUMP DRY SLUG
	08:00 - 14:00	6.00	TRP	10	TOOH W/ BIT # 9

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/19/2008	14:00 - 15:00	1.00	TRP	1	CHANGE BITS, P/U 1 STAND DRILL COLLARS & FUNCTION BOP
	15:00 - 17:00	2.00	TRP	10	TIH W/ BIT # 10 TO CASING SHOE
	17:00 - 18:30	1.50	RIG	6	SLIP & CUT DRILL LINE
	18:30 - 20:00	1.50	TRP	10	TIH TO 6625' (WASH & REAM 3 STANDS 4485' TO 4767')
	20:00 - 21:00	1.00	CIRC	1	TIGHT @ 6625' CIRCULATE SWEEP
	21:00 - 23:00	2.00	TRP	10	TIH TO 11020'
	23:00 - 23:30	0.50	REAM	1	WASH & REAM F/ 11020' TO 11104' (1 STAND, PRECAUTIONARY) 10' FILL
	23:30 - 05:30	6.00	DRL	2	DRILL F/ 11104' TO 11215', WOB 10-14K, ROT 10, RPM 128, PS 80, PP 1620
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SURVEYS
7/20/2008	06:00 - 18:30	12.50	DRL	2	DIRECTIONAL DRILL F/ 11215' TO 11303', WOB 12-19K, ROT 15, PS 90, PP 1930 (SLIDE 15' - 4 HRS)
	18:30 - 20:00	1.50	OTH		CONNECTIONS & SURVEYS (PROBLEM W/ EM TOOL F/ SURVEYS)
	20:00 - 20:30	0.50	CIRC	1	CIRCULATE & PUMP DRY SLUG
	20:30 - 02:00	5.50	TRP	2	TOOH W/ BIT # 10
7/21/2008	02:00 - 03:00	1.00	TRP	1	CHANGE BITS, MUD MOTORS & EM TOOL. ORIENT TOOL
	03:00 - 06:00	3.00	TRP	2	TIH W/ BIT #11 TO 6500'
	06:00 - 09:00	3.00	TRP	2	FINISH TIH TO 11220' W/ BIT # 11
	09:00 - 09:30	0.50	REAM	1	WASH & REAM F/ 11220' TO 11303' (PRECAUTIONARY)
	09:30 - 05:00	19.50	DRL	2	DRILL F/ 11303' TO 11446', WOB 12-16K, ROT 10, RPM 128, PS 80, PP 1550 (ROTATE 55% - SLIDE 45%)
7/22/2008	05:00 - 06:00	1.00	OTH		CONNECTIONS & SURVEYS
	06:00 - 12:00	6.00	DRL	2	DRILL F/ 11446' TO 11511', WOB 12-16K, ROT 15, RPM 128, PS 80, PP 1550 (SLIDE F/ 11446' TO 11466')
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 04:00	15.50	DRL	2	DRILL F/ 11511' TO 11681', WOB 12-16K, ROT 20, RPM 138, PS 80, PP 1640 (SLIDE F/ 11640' TO 11660' - 11675' TO 11681')
7/23/2008	04:00 - 06:00	2.00	OTH		CONNECTIONS & SURVEYS
	-				NOTE: BUILDING ANGLE @ 2.4 DEGREE PER ONE HUNDRED, NOTIFIED ALAN WALKER W/ BLM BY PHONE @ 0800 HRS OF INTENT TO TEST BOP
	06:00 - 06:30	0.50	DRL	2	DRILL F/ 11681' TO 11682', WOB 12-16K, PS 90, PP 1780 (SLIDING)
	06:30 - 07:30	1.00	CIRC	1	CIRCULATE, BUILD & PUMP DRY SLUG
	07:30 - 14:30	7.00	TRP	2	TOOH W/ BIT # 11
	14:30 - 16:00	1.50	TRP	1	LAY DOWN AGITATOR, SHOCK SUB, GAP SUB, MUD MOTOR & PONY COLLAR
	16:00 - 17:00	1.00	OTH		PULL WEAR BUSHING
	17:00 - 23:30	6.50	BOP	2	RIG UP BC QUICK TEST & TEST BOP, UPPER & LOWER PIPE RAMS, BLIND RAMS, CHOKE & KILL LINE, CHOKE MANIFOLD, FLOOR VALVES & DOUBLE BALL VALVE F/ TOP DRIVE W/ 250 PSI LOW & 5000 PSI HIGH. TEST ANNULAR W/ 250 PSI LOW & 2500 PSI HIGH. RIG DOWN
	23:30 - 00:30	1.00	OTH		INSTALL WEAR BUSHING
	00:30 - 01:30	1.00	TRP	1	MAKE UP BIT, MUD MOTOR & DIRECTIONAL TOOLS, ORIENT TOOLS
7/24/2008	01:30 - 02:30	1.00	OTH		CHANGE OUT SAVER SUB
	02:30 - 06:00	3.50	TRP	2	TIH W/ BIT # 12
	06:00 - 10:00	4.00	TRP	2	FINISH TIH TO 11568' W/ BIT # 12 (4350' TO 4740' - KNOTTY, WASH & REAM)
	10:00 - 10:30	0.50	REAM	1	WASH & REAM F/ 11568' TO 11682' (PRECAUTIONARY)
	10:30 - 17:30	7.00	DRL	2	DRILL F/ 11682' TO 11763', WOB 8-10K, ROT 20, RPM 155, PS 90, PP 1750 (SLIDE 40% - ROTATE 60%)
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE
	18:00 - 04:00	10.00	DRL	2	DRILL F/ 11763' TO 11880', WOB 8-20K, ROT 20 RPM 145, PS 85, PP 1750 (SLIDE 25% - ROTATE 75%)
	04:00 - 06:00	2.00	OTH		CONNECTIONS & SURVEYS
7/25/2008	06:00 - 12:00	6.00	DRL	2	DRILL F/ 11880' TO 11956', WOB 16-21K, ROT 30, RPM 155, PS 85, PP 1780
	12:00 - 12:30	0.50	RIG	1	RIG SERVICE
	12:30 - 04:00	15.50	DRL	2	DRILL F/ 11956' TO 12151', WOB 12-20K, ROT 30, RPM 160, PS 90, PP 1830

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20-14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/25/2008	04:00 - 06:00	2.00	OTH		CONNECTIONS & SURVEYS
	-				NOTE: CURTIS 50' LOWER, ENTRADA 60' LOWER THAN PROG
7/26/2008	06:00 - 09:30	3.50	DRL	2	DRILL F/ 12151' TO 12167', WOB 16-21K, ROT 30, RPM 160, PS 90, PP 1850 (SLIDE 10' - ROTATE 6')
	09:30 - 10:00	0.50	CIRC	1	BUILD & PUMP DRY SLUG
	10:00 - 16:00	6.00	TRP	2	TOOH W/ BIT # 12
	16:00 - 18:30	2.50	TRP	1	LAY DOWN DIRECTIONAL TOOLS, 2 NMDC & MUD MOTOR. P/U NMDC & .26 MUD MOTOR, M/U BIT & SURFACE TEST MUD MOTOR (HIGH WIND W/ HARD RAIN)
	18:30 - 01:00	6.50	TRP	2	TIH W/ BIT # 13
	01:00 - 01:30	0.50	REAM	1	WASH & REAM F/ 11960' TO 12167' (PRECAUTIONARY)
	01:30 - 05:30	4.00	DRL	1	DRILL F/ 12167' TO 12238', WOB 8-12K, ROT 20, RPM 85, PS 95, PP 1700
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
	-				NOTE: TD CHANGED TO 12650'
7/27/2008	06:00 - 08:30	2.50	DRL	1	DRILL F/ 12238' TO 12271', WOB 10-14K, ROT 20, RPM 85, PS 95, PP 1700
	08:30 - 09:00	0.50	RIG	2	TROUBLE SHOOT PROBLEM W/ PASON STROKE COUNTER
	09:00 - 14:00	5.00	DRL	1	DRILL F/ 12271' TO 12317', WOB 12-19K, ROT 30, RPM 95, PS 95, PP 1700
	14:00 - 15:00	1.00	RIG	1	RIG & TOP DRIVE SERVICE
	15:00 - 05:30	14.50	DRL	1	DRILL F/ 12317' TO 12560', WOB 16-20K, ROT 25, RPM 90, PS 95, PP 1700
	05:30 - 06:00	0.50	OTH		CONNECTIONS & SPR
7/28/2008	06:00 - 10:30	4.50	DRL	1	DRILL 6-1/2" HOLE F/ 12560' TO 12623', WOB 20K, ROT 25, RPM 90, PS 95, PP 1700
	10:30 - 12:00	1.50	TRP	14	PUMP DRY SLUG & SHORT TRIP 10 STANDS
	12:00 - 14:30	2.50	CIRC	1	CIRCULATE & CONDITION MUD, PUMP SWEEPS
	14:30 - 15:00	0.50	SUR	1	DROP SURVEY & PUMP DRY SLUG
	15:00 - 21:30	6.50	TRP	2	TOOH FOR WIRE LINE LOGS (SLM - 12625' NO CHANGE)
	21:30 - 22:00	0.50	OTH		RETRIEVE SURVEY, DRAIN MOTOR & BREAK OFF BIT
	22:00 - 05:00	7.00	LOG	1	RIG UP HALLIBURTON LOGGERS, HELD SAFETY MEETING, RIH & LOG W/ TRIPLE COMBO & BHC SONIC. (LOGGERS DEPTH 12618') L/D TOOLS
	05:00 - 06:00	1.00	OTH		RUN # 2 - R/U RESISTIVITY TOOL & RIH
7/29/2008	06:00 - 07:30	1.50	LOG	1	LOG #2 RESISTIVITY WOULD NOT PASS 4700' PULL ALL AND RIG DOWN HALLIBURTON
	07:30 - 09:30	2.00	TRP	2	LAY DOWN MUD MOTOR, MONEL AND CROSS OVER, PICK UP BIT SUB AND IBS PLACED 30' ABOVE BIT
	09:30 - 10:00	0.50	RIG	2	RIG REPAIR, REPAIR AIR LINE ON COMPOUND CLUTCH
	10:00 - 10:30	0.50	TRP	2	TRIP IN TO SHOE
	10:30 - 12:30	2.00	RIG	6	SLIP AND CUT DRILLING LINE
	12:30 - 13:00	0.50	TRP	2	TRIP INTO 4700' TAG
	13:00 - 14:30	1.50	REAM	1	WORK HOLE F/4700' TO 5100'
	14:30 - 20:00	5.50	TRP	2	FINISH TRIP IN
	20:00 - 20:30	0.50	REAM	1	WASH LAST TWO STDS TO BOTTOM
	20:30 - 23:30	3.00	CIRC	1	BRING VIS UP TO 52 AND CIRCULATE
	23:30 - 05:00	5.50	TRP	2	TRIP OUT TO LOG
	05:00 - 06:00	1.00	LOG	1	RIG UP HALLIBURTON AND RUN #3 LOG TO RERUN RESISTIVITY
7/30/2008	06:00 - 13:00	7.00	LOG	1	RUN TRIPLE COMBO WOULD NOT PASS 4912' COME OUT AND RUN TRIPLE COMBO AND SONIC WOULD NOT PASS 4912' RIG DOWN LOGGERS
	13:00 - 18:00	5.00	TRP	2	TRIP IN TO CONDITION FOR CASING
	18:00 - 18:30	0.50	REAM	1	WASH AND REAM LAST STD TO BOTTOM
	18:30 - 23:00	4.50	CIRC	1	CIRCULATE FOR CASING
	23:00 - 00:00	1.00	OTH		RIG UP LAY DOWN MACHINE
	00:00 - 06:00	6.00	TRP	3	LAY DOWN DRILL STRING
7/31/2008	06:00 - 12:30	6.50	TRP	3	LAY DOWN DRILL STRING
	12:30 - 13:00	0.50	OTH		PULL WEAR BUSHING

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: UNIT

Spud Date: 5/3/2008  
 Rig Release: 7/31/2008  
 Rig Number: 236

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/31/2008	13:00 - 15:00	2.00	CSG	1	RIG UP CASING CREW
	15:00 - 15:30	0.50	CSG	2	RUN 4 1/2" CASING
	15:30 - 16:30	1.00	OTH		THREW FAN BELTS ON LAY DOWN TRUCK
	16:30 - 19:30	3.00	CSG	2	RUN 4 1/2" CASING
	19:30 - 20:30	1.00	OTH		REPLACE FAN BELTS ONF LAY DOWN TRUCK BEARING OUT OF FAN
	20:30 - 23:00	2.50	CSG	2	RUN 4 1/2" CASING
	23:00 - 00:00	1.00	OTH		TONGS WOULD NOT TORQUE UP CHANGE OUT POWER TONGS
	00:00 - 04:30	4.50	CSG	2	RUN 4 1/2" CASING LANDEED AT 12602' KB RAN 279 JTS OF R3. HCP-110, #13.5 CASING WITH 10 MARKER JTS FLOAT SHOE AND FLOAT COLLAR ARE STACKED
8/1/2008	04:30 - 06:00	1.50	CIRC	1	CIRCULATE, RIG DOWN CASING CREW
	06:00 - 11:30	5.50	CIRC	1	CIRCULATE CASING, RIG UP HALLIBURTON AND PACK OFF WELLHEAD, WAIT ON CHECK VALVE FOR NITROGEN TRUCK WAS LOST ON ROAD COMING TO LOCATION
	11:30 - 14:00	2.50	CMT	2	CEMENT WITH HALLIBURTON, CASING LANDED @ 12602' CEMENTED WITH 10 BBLS FRESH WATER, 30 BBLS OF SUPERFLUSH, 10 BBLS WATER, 130 BBLS OF 9.5 PPG 1.48 YIELD FOAMED LEAD A CEMENT, 147 BBLS OF 11PPG 1.48 YIELD FOAMED LEAD B CEMENT, 26 BBLS OF 14.3 PPG 1.48 YIELD TAIL CEMENT DISPLACED WITH 188 BBLS OF CLAYFIX WATER, BUMPED PLUG HELD PRESSURE ON PLUG FOR 15 MINUTES 50 BBLS OF CEMENT TO SURFACE, FLOATS HELD
	14:00 - 18:00	4.00	LOC	4	CLEAN MUD TANKS, NIPPLE DOWN, RIG RELEASE: 7/31/2008 18:00
	18:00 - 06:00	12.00	OTH		RIG DOWN WAIT ON DAYLIGHT

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Operations Summary Report - COMPLETION

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/16/2008	06:00 - 16:00	10.00	BOP	1	"TIGHT HOLE"  On 9/15/08 MIRU Basin Well Service rig #1. NU frac head assembly with single ram BOP on top. SIFN. On 9/16/08 will start to tally and rabbit in the hole with bit and scraper and new tbg...
9/17/2008	06:00 - 16:00	10.00	LOC	2	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/16/08 SICP=0#. Tally and rabbit in the hole with 3-3/4" mill and 4-1/2" csg.scraper and new 2-3/8" EU 8rd 4.7# P-110 tbg. to 9850'. SIFN. On 9/17/08 will continue to tally and rabbit in the hole with new tbg.to PBTD.
9/22/2008	06:00 - 16:00	10.00	FISH	1	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/17/08 SITP and SICP=0#. Continue to tally and rabbit in the hole with mill and scraper and new tbg.and tag fill at 12515'. Circ.hole down to 12545' (new PBTD-9/17/08). Circ.hole clean with 2% KCL water. POOH with mill and scraper and tbg..SI well. On 9/18 and 9/19/08 well will remain SI pending logging and perforating on 9/22/08.
9/23/2008	06:00 - 16:00	10.00	PERF	1	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600??? "TIGHT HOLE"  On 9/22/08 SICP=0#. MIRU Cased Hole Solutions. Fill hole with 2% KCL water. Run a CBL/VDL/GR log from tag at 12531' to 500' with top of cement est.at 1050'. Correlated to Halliburton Density log dated 7/27/08 run #1. Pressure test csg with quick test to 6500# along with frac head. Pressure test to full manifold and related valves to 8500#. OK. RDMO Quick test. Bled off all pressure. Perforate the following Wingate intervals using a 2-3/4" csg.gun at 3 JPF and 120° phasing per the CBL log dated 9/22/08: 12464-72' and 12484-92' (IFL and FFL at surface and no blow or vacuum after perforating). RDMO Cased Hole Solutions and SIFN. Total of 48 holes. On 9/23/08 will RIH with ret.packer and tbg...
9/24/2008	06:00 - 16:00	10.00	SWAB	1	Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92'  "TIGHT HOLE"

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/24/2008	06:00 - 16:00	10.00	SWAB	1	<p>On 9/23/08 SICP=0#. RIH with 4-1/2" ret.packer and tbg.and set packer at 12296'. Break down Wingate perms.at 2200# and pump 10 bbl.of 2% KCL water at 1 BPM at 2400# with ISIP=2000#. Bled off tbg..RU swab. IFL at surface. Make 6 swab runs and recovered 25 bbl.of water with no gas and FFL at 4000'. RD swab and SIFN. On 9/24/08 will acidize Wingate perms.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 52                      Minus daily recovery: 25                      Plus water today: 10                      LLTR: 37</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/25/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92'                      On 9/24/08 SITR and SICP=0# with packer set at 12286' to test above wingate perms. RU swab. IFL at 3700'. Make 1 swab and recovered 3 bbls of water with no gas. MIRU Halliburton acid crew, acidized Wingate intervals 12464-72' &amp; 12484-92' as follows: Pump 2000 gal.of 15% HCL acid with additives with 75-7/8" Bio-balls recovered throughout the acid and flush with 60 bbls of 2% KCL water over 4.1 rpm, Avg. at 4650#. several 10-20# breaks. ISIP=1650#. Total of 110 bbl.of load. RDMO Halliburton. Open tbg.and flowed back 1/2 bbl of water and tbg. died. RU swab IFL at surface. Make 1swab with and recovered 58 bbl.of slight gas cut water with FFL at 3700'. Final PH=1. Had show of gas. LLR=52 bbl.RD swab and SIFN. On 9/25/08 will continue to swab and/or flow.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 17                      Minus daily recovery: 88                      Plus water today: 110                      LLTR: 89</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/26/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92'                      On 9/25/08 SITP=50# and SICP=0# with packer set at 12296'. Bled off tbg.with no fluid recovery. RU swab. IFL at 2500'. Make 18 swab runs and recovered 85 bbl.of med gas cut water with a final PH=7 and a final fluid level at 4800' while pulling from 6300'. RD swab and SIFN. On 9/26/08 will continue to swab.</p> <p>Casing size: 4-1/2" 13.5# HCP-110</p>

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/26/2008	06:00 - 16:00	10.00	SWAB	1	<p>Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 89                      Minus daily recovery: 85                      LLTR: 4</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/29/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/26/08 SITP=50# and SICP=0# with packer set. Bled off tbg.with no fluid recovery. RU swab. IFL at 3200'. Make 1 swab run to 4800' and tag something in tbg.and sandline spun and POOH with sandline and tools. Had to Cut off sandline and having trouble with drum. Rcovered 4 bbl.of water and SIFW. On 9/29/08 will check out drum andd possibly splace sandline and swab after taking gas analysis.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 4                      Minus daily recovery: 4</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
9/30/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/29/08 SITP=300# and SICP=0# with packer set. Took gas analysis from tbg.with the following results: N2=3.3%; Methane=72.5%; CO=22.9%; BTU=758; Grav.0.7978. Bled off tbg.with no fluid recovery. RU swab. IFL at 3400'. Make 15 swab runs and recovered 69 bl.of very slight gas cut water with traces of tarry black hard oil. FFL at 5000' while pulling from 6200'. RD swab and SIFN. On AM of 9/30/08 SITP=100# and SICP=0#. RU swab. IFL at 3700'. Will continue to swab on 9/30/08.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 0                      Minus daily recovery: 69                      LLTR: 69 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/30/2008	06:00 - 16:00	10.00	SWAB	1	
10/1/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 9/30/08 SITP=100# and SICP=0# with packer set. Bled off tbg. with no fluid recovery. RU swab out at 3700'. Make 22 swab runs and pressured 79 bbls at very slight gas out with FFL at 6500' with a slight trace of gas. FFL holding at 5800, 6500'. Have a total of 148 bbl over load. RD swab and SIFN. On 10/1/08 will run a gas sample and wait on orders.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 69                      Minus daily recovery: 79                      LLTR: 148 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
10/2/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92'</p> <p>On 10/1/08 SITP=250# and SICP=0# with packer set at 12306'. Took gas sample with the following results from Wingate perfs. 12404-72' and 12484-92'. N2=3.71% Methane=77%, CO2=17.87% BTU=806.39'; Grav=0.7516. Bled off well with no fluid recovery. RU swab IFL at 4200'. Make 10 swab runs and recovered 38 bbl. of very slight gas cut water with FFL at 7100' while pulling from 8600' on the last 2 runs. RD swab and SIFN. On 10/2/08 will release packer and POOH with packer and tbg. and wireline set a CIBP and perforate additional intervals.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 148 over                      Minus daily recovery: 38                      LLTR: 186 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>
10/3/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' &amp; 12368-74' (42 holes).</p> <p>On 10/2/08 SITP=150# from Wingate perfs. SICP=0# with packer set. RU swab. IFL</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/3/2008	06:00 - 16:00	10.00	SWAB	1	<p>at 3800'. Make 1 swab run and recovered 4 bbl.of water. RD swab. Fill tbg.with 2% KCL water and release packer and POOH with pakcer and tbg..MIRU Cased Hole Solutins and wireline set a 4-1/2" CIBP at 12450'. Perforate the following Keyenta intervals per the CBL log dated 9/22/08 using a 2-3/4" csg.gun at 3 JPF and 120° phasing: 12312-20 &amp; 12368-74' (42 holes). IFL and FFL at 3100'. RDMO Cased Hole Solutins. RIH with ret.packer and tbg.and set the packer at 12215' with the "F" nipple at 12183'. SIFN. On 10/2/08 will breakdown the Keyenta perms.with 2% KCL water and swab test this zone.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>LLTR: 52</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)</p>
10/6/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' &amp; 12368-74' (42 holes).</p> <p>On 10/3/08 SITP and SICP=0 with packer set at 12215'. Break down Keyenta perms. 12312-20' and 12368-74' down tbg.with a break at 1700# and pump 10 bbl.of 2% KCL water at 1-1/2 BPM at 1700#. Bled off tbg.with no fluid recovery. RU swab. IFL at surface. Make 3 swab runs and rec.10 bbl.of water and swab meandrel came apart. Release packer and POOH with packer and tbg.and recovered and layed down swab mandrel. RIH with ret.packer and tbg.and set pakcer at 12215' with "F" nipple at 12183'. SIFN.</p> <p>oN 10/4/08 SITP and SICP=0# with packer set at 12215'. RU swab..IFL at 3400'. Make 4 swab runs and swab well down to 8200' and recovered a total of 20 bbl.of water with a very slight show of gas and FFL at 8200'. Make 2 additinal runs with no fluid recovery. SIFW. On 10/6/08 will obtain gas sample and swab.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 52                      Minus daily recovery: 20                      Plus water today: 10                      LLTR: 42</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/6/2008	06:00 - 16:00	10.00	SWAB	1	Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes)
10/7/2008	06:00 - 16:00	10.00	SWAB	1	"TIGHT HOLE" Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' & 12368-74' (42 holes).  On 10/6/08 SITP=<10# and SICP=0# with packer set to isolate and test the Keyenta interval. Took gas analysis with the following results: N2=13.11; Methane=85.19'; CO2=.0214; BTU=897.3; Grav=0.6196. Bled off tbg..RU swab. IFL at 5000'. Make 7 runs with FFL at 8200' due to max lenght of swab line and recovered 7 bbl.of water today with no entry the last hour with FFL at 8200'. RD swab and SIFN. On 10/7/08 will take additional gas analysis.  Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  Load from yesterday: 42 Minus daily recovery: 7 LLTR:35  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes)
10/8/2008	06:00 - 16:00	10.00	SWAB	1	"TIGHT HOLE" Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' & 12368-74' (42 holes).  On 10/7/08 SITP=10# and SICP=0# with packer set and testing the above Keyenta perfs...Obtain a gas sample with the following results: N2=6.6%; Methane=91.5%; CO2=0.02%; BTU=962.7; Grav=0.5928. Bled off tbg.and RU swab. IFL at 6000'. Make 1 swab run. Fill tbg.with 2% KCL water. Release packer and POOH with packer and tbg..SIFN. On 10/8/08 will prepare well for frac of the above Keyenta on 10/10/08.  Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  LLTR:35  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes)

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/8/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' &amp; 12368-74' (42 holes).</p> <p>On 10/8/08 finish NU frac head assembly...Waiting on frac on 10/10/08.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>LLTR:35</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)</p>
10/9/2008	06:00 - 16:00	10.00	SWAB	1	
10/13/2008	06:00 - 16:00	10.00	STIM	3	<p>"TIGHT HOLE"</p> <p>Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' &amp; 12368-74' (42 holes).</p> <p>On 10/10/08 MIRU Halliburton frac crew. Frac the following Keyenta perforated intervals 12312-20' and 12368-74' down 4-1/2" csg.using a Puregel III HT 2% KCL x-linked gel 70% CO2 foam system as follows: Pump a 6900 gal.pre-pad followed by a 2600 gal.pad and stage 1-4 ppg 20/40 interprop in 6300 gal.of fluid and flush with 3948 gal.of fluid. Had a 70 quality CO2 system with a 50% quality system in the flush with the last 10 bbl.of flush CO2 cut. Pumped a total of 465 bbl.of fluid and a total of 52700 #s of sand. Used a total of 95 tons of CO2 cut. Pumped a total of 465 bbl.of fluid and a total of 52700 #s of sand. Used a total of 95 tons of CO2 downhole.                      Max.rate=39.7; Ave=33.6 BPM; Max.psi=7122#; Ave=5182#, ISIP=2952# (.68).                      RDMO Halliburton. After a 1-1/2 hour SI period SICP=2000#. Open the casing on a 28/64" choke and flow the csg.and from 7:00PM on 10/10/08 until 7:00PM on 10/11/08 the well flowed 540 bbl.of fluid with a final FCP=0# on a 28/64" choke with 10 bb.of fluid recovered the last 9 hours each. Open the csg.on a full 1" choke at 6:00PM on 10/11/08 and continue to flow the well to the pit with 0# FCP and straight CO2 gas with no methane and no fluid and on 10/12/08 FCP =0# with stright CO2 vapors and no methane. Will continue to flow and clean up CO2.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 35                      Minus daily recovery: 540                      Plus water today: 500                      LLTR: 5 over.</p> <p>Perfs:</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/13/2008	06:00 - 16:00	10.00	STIM	3	Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes)
10/14/2008	06:00 - 16:00	10.00	PERF	2	"TIGHT HOLE" Testing Wingate intervals 12464-72 and 12484-92' CIBP over Wingate at 12450' (10/2/08). Keyenta: 12312-20' & 12368-74' (42 holes).  On 10/13/08 well venting CO2 vapors to the pit with no fluid recovery in the last 24 hours on a full 1" choke and no FCP. On 10/14/08 will set a CIBP over the Keyenta perfs and perforate Entrada intervals  Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  LLTR: 5 over.  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes)
10/15/2008	06:00 - 16:00	10.00	PERF	2	"TIGHT HOLE" CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'  On AM of 10/14/08 no flow of any kind with a FCP=0# and no fluid recovery the last 24 hours. MIRU Cased Hole Solutions and ran a gauge ring to 12300'. Wireline set a 4-1/2" CIBP at 12280'. Perforate per the CBL log dated 8/22/08 the following Entrada intervals at 3 JPF using a 2-3/4" csg.gun and 120° phasing: 11898-11904'; 11926-30'; 11986-94' & 12048-50' (48 holes). No obvious fluid level before or after perforating. No change in surface pressure. RDMO Cased Hole Solutions. RIH with ret.packer and tbg.to 3850' and SIFN. On 10/15/08 will continue to RIH with packer to breakdown and test the above Entrada intervals and will acidize on 10/15/08.  Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450'

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/15/2008	06:00 - 16:00	10.00	PERF	2	<p>Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/16/2008	06:00 - 16:00	10.00	DEQ	2	<p>"TIGHT HOLE"                      CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'</p> <p>On 10/15/08 SITP and SICP=0#. Continue to RIH with packer and tbg.and set packer at 11800'. Fill csg.and test to 1000# and held OK. Load tbg.with 2% KCL water and breakdown Entrada gross perforated Interval 11898-12050' at 2685# and pump 10 bbl.of 2% KCL at 2 BPM at 2100# with the rig pump and ISIP=1080#. MIRU Superior Services and acidize Entrada perforated intervals 11898-11904'; 11926-30'; 11986-94' and 12048-50' down 2-3/8" tbg.as follows: Pump 5 bbl.of 2% KCL water followed by 2000 gal.of 15% HCL with additives and 75-7/8" 1.1 SG ball sealers in the acid and flush with 60 bbl.of 2% KCL water. Total of 120 bbl.of load + tbg.volume. Max.rate of 3.5 BPM; Max.psi of 2990#. Prior to balls on perms.had 3 BPM at 1800# and after all balls on perms.had 3 BPM and 2020#. ISIP-1120#. Total to recover of 170 bbl..Sl the well and RDMO Superior. Open the tbg.and flowed back 32 bbl..Tbg.died. RU swab. IFL at 100'. Make 6 runs and recovered 71 bbl.of fluid with a final PH=0 and FFL at 4600' while pulling from 6100'. RD swab and SIFN. On AM of 10/16/08 SITP=75# and SICP=0#. Bled off tbg.with no fluid recovery. RU swab. IFL at 3800'. Will continue to swab today.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Minus daily recovery: 71                      Plus water today: 170                      LLTR: 99</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/17/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"                      CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'</p> <p>On 10/16/08 SITP=75# and SICP=0#. Bled off tbg.with no fluid recovery. RU swab.</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/17/2008	06:00 - 16:00	10.00	SWAB	1	<p>IFL at 3800', Make 14 swan runs and recovered 57 bbl.of lite gas cut water with FFL pulling from the "F" nipple at 11766' and the last 2 runs were hourly runs with 2-1/2 bbl.per run. RD swab and SIFN. Gas appears to be methane. Final PH=7</p> <p>On AM of 10/17/08 SITP=150#. Bled off tbg..RUswab and IFL at 6700'. Will continue to swab test today.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 99                      Minus daily recovery: 57                      LLTR: 42-tbg.vol.</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/20/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'</p> <p>On 10/17/08 SITP=150# and SICP=0# with packer set testing entrada interval 11898-12050'. Bled off tbg.with no fluid recovery. RU swab. IFL at 6700'. Make 5 runs and swabbed well down to "F" nipple and recovered 18 bbl.of slight gas cut water. Make 2 hourly runs and recovered 2 to 2-1/2 bbl.per hour of slight gas cut water with no afterflow for a total recovery of 22 bbl..today. FFL at 10500'. RD swab and SIFW. On 10/20/08 will obtain gas analysis and swab. Final PH =7.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 42                      Minus daily recovery: 22                      LLTR: 20</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/20/2008	06:00 - 16:00	10.00	SWAB	1	11898-11904'; 11926-30'; 11986-94' & 12048-50'
10/21/2008	06:00 - 16:00	10.00	DEQ	2	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'</p> <p>On AM of 10/20/08 SITP=600# and SICP=0# with packer set at 11798'. Bled well down to 550# and took a gas sample with the following results: N2-2.62; CO=7.0; Methane=86.29%; BUT-970.4; Grav=0.669. Bled off tbg.with no fluid recovery. RU swab. IFL at 6500'. Make 8 swab runs and swabbed well down after recovering 24 bbl.of light gas cut water while pulling from the "F" nipple. Make 3 hourl runs with IFL between 10700-11000' and recovered an additional 5 bbl.of water with no after flow. Pulled from the "F" nipple at 11766'. RD swab and SIFN. Recovered a total of 29 bbl.today. On AM of 10/21/08 SITP=200# and IFL at 6300'. Will continue to swab on 10/21/08 while waiting on orders.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 20                      Minus daily recovery: 29                      LLTR: 9 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/22/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'</p> <p>Correction to 10/21/08 report: SITP=200# and SICP=0# with packer set but the IFL was at 7900'. Make 3 swab runs and recovered 12 bbl.of slight gas cut water and swabbed tbg.dry to "F" nipple at 11766'. Make 7 additional hourly runs and recovered 1 bbl.per hour of very slight gas cut water with no afterflow. FFL at 11400' while pulling from "F" nipple at 11766'. RD swab and SIFN. On 10/22/08 will continue to swab.</p> <p>Casing size: 4-1/2" 13.5# HCP-110                      Casing depth: 12601' FC@12600???</p> <p>Load from yesterday: 9                      Minus daily recovery: 19</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/22/2008	06:00 - 16:00	10.00	SWAB	1	LLTR: 26 over  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08: 11898-11904'; 11926-30'; 11986-94' & 12048-50'
10/23/2008	06:00 - 16:00	10.00	SWAB	1	"TIGHT HOLE" CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'  On 10/22/08 SITP=300# and SICP=0# with packer set. Bled off tbg.with no fluid recovery. RU swab. IFL at 7500'. Make 5 swab runs and swabbed tbg.dry after recovering 11 bbl.of slight gas cut water. Make 5 hourly runs with IFL averaging 11400' while pulling from the "F" nipple at 11766'. Recovered and additional 4 bbl.of water. RD swab and SIFN. On 10/23/08 will release packer and POOH with packer and tbg.and prepare to perforate additional zone on 10/24/08. On AM of 10/23/08 SITP=300# and SICP=0# with packer set. Bled off tbg.with no fluid recovery. RU swab. IFL at 8600'. Preparing to release packer.  Casing size: 4-1/2" 13.5# HCP-110 Casing depth: 12601' FC@12600???  Load from yesterday: 26 over Minus daily recovery: 9 LLTR: 35 over  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08: 11898-11904'; 11926-30'; 11986-94' & 12048-50'
10/24/2008	06:00 - 16:00	10.00	SWAB	1	"TIGHT HOLE" CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'  On 10/23/08 SITP=300# and SICP=0 with packer set. Bled off tbg.with no fluid recovery. RU swab. IFL at 8600'. Make 1 swab run and recovered 4 bbl.of water. RD swab. Fill tbg.with 30 bbl.of 2% KCL water and release packer. POOH with packer

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/24/2008	06:00 - 16:00	10.00	SWAB	1	<p>and tbg..SIFN. On 10/24/08 will wireline set a CIBP over the Entrada perms.and perforate Buckhorn intervals.</p> <p>Load from yesterday: 35 over                      Minus daily recovery: 4                      LLTR: 39 over</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/27/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08). Now test Buckhorn intervals 11192'-96' and 11204-16'</p> <p>On 10/24/08 SICP=0#, MIRU Cased Hole Solutions and wireline set a 4-1/2" CIBP at 11870'. Perforate the following Buckhorn Intervals per the CBL log dated 9/22/08 using a 2-3/4" csg.gun at 3 JPF and 120° phasing: 11192-96' and 11204-16' (48 holes). IFL and FFL at 3800' and no blow at surface. RDMO Cased Hole Solutions. RIH with ret.packer and 2-3/8" P-110 tbg.and set the packer at 11140'. Fill and test annulus to 500# and SIFW.                      On 10/27/08 will break down perms.with rig pump and 2% KCL water and swab tet the above Buckhorn perms...</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/28/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08). Now test Buckhorn Intervals 11192-96' and 11204-16'</p> <p>On 10/27/08 SITP and SICP=0# with packer set at 11140'. Fill tbg.with 10 bbl.of 2% KCL water and breakdown Buckhorn perms.11192-96' and 11204-16' down tbg..Break at 2600# and pump 10 bbl.of 2% KCL at 1 BPM at 2350# with ISIP-2200#. Open</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/28/2008	06:00 - 16:00	10.00	SWAB	1	<p>tbg.and flowed back 5 bbl.of water. RU swab. IFL at surface. Mak3 9 swab runs and recoverd 42 bbl.of water and swab tbg.dry to "F" nipple at 11108'. Make 3-hourly runs and recovered an additional 1 bbl.of water fora total recovery of 48 bbl.of water with it.gas. SIFN. On 10/28/08 will continue to swab. Load is 4 bbl.under.</p> <p>Minus daily recovery: 48                      Plus water today: 52                      LLTR: 4</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'</p>
10/29/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08). Now test Buckhorn INtervals 11192'-96' and 11204-16'</p> <p>On 10/28/08 SITP=50# and SICP=0# with packer set at 11100'. Bled off tbg.with no fluid recovery. RU swab. IFL at 9800'. Make 1 swab run with no recovery. MIRU Halliburton acid crew. Acidize Buckhorn perforated Intervals 11192-96' and 11204-16' down 2-3/8" tbg.using 2000 gal.of 15% HCL acid and 75-7/8" Bio-balls as follows: Pump 5 bbl of 2% KCL water followed by 5 bbl.of 15% acid and drop 75 Bio-balls in the remaining acid and flush with 80 bbl.of 2% KCL water. Caught psi after pumping 43 total bbl.of fluid. Average rate was 4.6 BPM; With balls on perfs.pressure rose gradually from 4000# to 4050# with no breaks. ISIP=2800#. SI the well and RDMO Halliburton. Left well SI overnight. Total load to recover is 113 bbl.On 10/29/08 will bleed down tbg.and swab test the Buckhorn Intervals.</p> <p>On AM of 10/29/08 SITP=350# and SICP=0#. Bled off tbg.with no fluid recovery. RU Swab and IFL at surface. Will swab.</p> <p>Minus daily recovery: 4                      Plus water today: 113                      LLTR: 117</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'</p>

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/29/2008	06:00 - 16:00	10.00	SWAB	1	
10/30/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE"</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08). Now test Buckhorn Intervals 11192'-96' and 11204-16'</p> <p>On 10/29/08 SITP=350# and SICP=0# with packer set at 11140'. Bled off tbg.with no fluid recovery. RU swab. IFL at surface. Make 12 swab runs and recovered 72 bbl.of med gas cut water and swabbed tbg.dry with a final PH=5. Make 3 hourly runs and recovered a total of an additional 7 bbl. of gas cut water with IFL at approx.10300' each time while pulling from the "F" nipple at 11108'. Total recovery today of 79 bbl.with a final PH=6. RD swab and SIFN. On 10/30/08 will continue to swab.</p> <p>Load from yesterday: 117                      Minus daily recovery: 79                      LLTR: 38</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'</p>
10/31/2008	06:00 - 16:00	10.00	SWAB	1	<p>"TIGHT HOLE" - Completion</p> <p>CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08)                      Now test Buckhorn Intervals 11192'-96' and 11204-16'</p> <p>On 10/30/08 SITP = 200# &amp; SICP = 0# w/ pkr set. Bled off tbg w/ no fluid recovery. RU swab. IFL @ 6600'. Make 6 swab runs and recovered 22 bbls of med gas cut water w/ methane &amp; acid gas &amp; swabbed tbg dry. Make 1 hourly run &amp; recovered 1 bbl of water w/ final PH = 5 &amp; med gas cut of methane &amp; acid gas. FFL @ 10300' while pulling from the "F" Nipple @ 11108'. Release pkr @ 11140' &amp; POOH w/ pkr &amp; tbg. SIFN.</p> <p>24 Hour Forecast: Will install frac head assembly &amp; perforate additional Buckhorn intervals.</p> <p>Load from yesterday: 38                      Minus daily recovery: 23                      LLTR: 15 bbls</p> <p>Perfs:</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/31/2008	06:00 - 16:00	10.00	SWAB	1	<p>Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'</p>
11/3/2008	06:00 - 16:00	10.00	PERF	2	<p>"TIGHT HOLE" - Completion                      CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280'                      (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'                      CIBP over Entrada at 11870' (10/24/08)                      Now test Buckhorn Intervals 11192'-96' and 11204-16'</p> <p>On 10/31/08 SICP=0#. Install frac head equipment. MIRU Cased Hole Solutions and perforate the following Dakota Silt intervals per the CBL log dated 9/22/08 using a 2-3/4" csg.gun at 3 JPF and 120° charges: 10838-40' and 10853-47' (18 holes). No change in pressure on the well after perforating. Could not detect FL but was high. RDMO Cased Hole Solutions. SI the well for the weekend for frac scheduled on 11/3/08. Frac has been delayed to 11/4/08</p> <p>Load from yesterday: 15</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'</p>
11/4/2008	06:00 - 16:00	10.00	STIM	2	<p>"TIGHT HOLE" - Completion                      CIBP over Wingate at 12450' (10/2/08)                      Keyenta: 12312-20' &amp; 12368-74' (42 holes) CIBP over the Keyenta at 12280'                      (10-14-08) Now testing the Entrada gross perforated interval 11898-12050'                      CIBP over Entrada at 11870' (10/24/08)                      Now test Buckhorn Intervals 11192'-96' and 11204-16'</p> <p>On PM of 11/3/08 start to MIRU Halliburton frac crew. Supposed to start fracing AM of 11/4/08. Left well SIFN.</p> <p>Load from yesterday: 15</p>

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/4/2008	06:00 - 16:00	10.00	STIM	2	Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'
11/5/2008	06:00 - 16:00	10.00	STIM	2	"TIGHT HOLE" - Completion CIBP over Wingate at 12450' (10/2/08) Keyenta: 12312-20' & 12368-74' (42 holes) CIBP over the Keyenta at 12280' (10-14-08) Now testing the Entrada gross perforated interval 11898-12050' CIBP over Entrada at 11870' (10/24/08) Now test Buckhorn Intervals 11192'-96' and 11204-16'  On 11/4/08 SICP=50#, MIRU Halliburton frac crew and Cased Hole Solutions. Frac gross perforated Buckhorn and Dakota Silt interval 10838' - 11216' down 4-1/2" csg using a 2% KCL water slick water system as follows: Breakdown with 400 gals of 15% HCL acid followed by a 20500 gal.pad and stage 0.50 to 1.50 ppg 30/50 resing coated sand in 102000 gal.of fluid with 7500 gal.spacers in between sand stages and flush with 7423 gal.of slick water. Total of 3900 bbl.of water and a total of 99330# of sand. Max.rate=47.1; Ave=39.8 BPM; Max.psi=7574#; Ave=4986#; ISIP=4115# (.81). This was stage #4; Lubricate in a 4-1/2" comp.frac plug and set at 10800'. Perforate the following Mancos intervals per the CBL log dated 9/22/08 the following intervals at 3 JPF at 120° phasing using a 2-3/4" csg.as gun: 9986'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10662'; 10718'. Zone #5: (Mancos gross interval 9986-10718'): Frac this interval using a 2% KCL slick water system as follows: Breakdown with 400 gal.of 15% HCL acid followed by a 10000 gal.pad and stage 0.50 to 1.50 ppg 30/50 resing coated sand in 40000 gal of water with each stage followed by a 6000 gal.spacer and flush with 6870 gal.of slick water. Total of 1990 bbl.of water and a total of 40200# of sand. Max.rate=40.5; Ave=39.4 BPM; Max.psi=7343#; Ave=6103#; ISIP=4346# (.86). Lubricate in a 4-1/2" comp.frac plug and set at 9920'. Zone #6: Perforate the following Mancos intervals per the above gun and log as follows: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; & 9860'. Zone #6: (Mancos gross interval 9382-9860'); Breakdown with 400 gal.of 15% HCL acid and frac with a 10500 gal.pad and stage 0.5 to 1.5 ppg sand in 41000 gal.of fluid with 6000 gal.spacer in between sand stages and flush with 6800 gal.of slick water. Total of 36000# of sand and a total load of 2010 bbl..Max.rate of 40.5; Ave=36.6 BPM; Max.psi=7386#; Ave=5751#; ISIP=4005#; (.85). SIFN. On 11/5/08 will continue with additional zones.  LLTR: 7900  Perfs: Wingate: Zone#1: 9/22/08:

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/5/2008	06:00 - 16:00	10.00	STIM	2	12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. "TIGHT HOLE"
11/6/2008	06:00 - 16:00	10.00	STIM	2	<p>On AM of 11/5/08 SICDP=2300#. Lubricate in a 4-1/2" comp.frac plug and set at 9330'. Perforate Zone #7 (Mancos) as follows using a 2-3/4" csg.gun at JPF and 120" phasing per the CBL log dated 9/22/08: 8573'; 8584'; 8693'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267' &amp; 9286' (30 holes). Frac with Halliburton as follows:                      Zone #7: (Mancos-8573-9286'): Breakdown with 400 gal.of 15% HCL and frac with a 2% KCL slickwater system as follows: Pump a 10200 gal.pad and stage 0.5 to 1.5 ppg 30/50 resin coated sand in 34000 gal.of fluid with 4-6000 gal.spacer stages and flush with 6000 gal.of slick water. Total of 37500# of sand and a total load of 2100 bbl. Max.rate=42; Ave=39.4 BPM; Max.psi=7195#; Ave=5771#; ISIP=3260# (.80). Lubricate in a 4-1/2" comp.frac plug and set at 8500'. Perforate the following Mancos interval per the above gun and log:                      Zone #8: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362' &amp; 8435' (30 holes). RDMO Cased Hole Solutions. Frac zone #8 as follows:                      Zone #8: (Mancos: 7908-8435'): Breakdown with 400 gal.of 15% HCL and frac with the above system and sand as follows: Pump a 10100 gal.pad and stage 0.5 to 1.5 ppg 30/50 sand in 44500 gal.of fluid with 4-6000 gal.spacer stages and flush with 5400 gal.of slick water. Total of 41000# of sand and a total load of 2155 bbl.Max.rate=40.9; Ave=39.8 BPM; Max.psi=6718#; Ave=5134' ISIP=3280# (.84). SI the well and RDMO Halliburton. After a 2-1/2 hr. period, SICP=2700#. Open the csg.on a 18/64" choke at 3:30PM on 11/5/08. Continue to flow the well overnight and at 6:30AM on 11/6/08 FCP-2100# on a 18/64" choke with an hourly flow rate est.at 80 bbl.per hour with light gas and a trace of sand and a total recovery in the last 15 hours of 1120 bbl..Continue to flow the well to clean up.</p> <p>Load from yesterday: 7900                      Minus daily recovery: 1120                      Plus water today: 4255                      LLTR: 10975</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2008	06:00 - 16:00	10.00	STIM	2	<p>Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos: 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.                      "TIGHT HOLE"</p>
11/7/2008	06:00 - 16:00	10.00	STIM	3	<p>On 6:30 AM on 11/6/08 FCP =2100# on a 18/64" choke with an hourly flow rate est.at 80 bbl.per hour with light gas and a total recovery since the frac of 1120 bbl..Continue to flow the ell during the day and evening andat 11:30PM on 11/6/08 FCP=150-200# on 2-1" chokes for the last 4 hours and flowing heavy gas at a rate of 90 bbl.per hour with a total recovery of 2410 bbl..Sl the well at 11:30 PM on 11/6/08 to see what the well will build up to with pressure and attempt to bleed of gas head in AM to RIH with mill and tbg. At 7:00AM on 11/7/08 after a 7-1/2 hours.</p> <p>Load from yesterday: 10975                      Minus daily recovery: 1290                      LLTR: 9685</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';</p>

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**Operations Summary Report**

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/7/2008	06:00 - 16:00	10.00	STIM	3	10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone #7: Mancos: 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone #8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/10/2008	06:00 - 16:00	10.00	STIM	3	"TIGHT HOLE"  On AM of 11/7/08 SICP =1600# after a 7-1/2 hour SI period. Attempt to bleed off well on various chokes and after 3 hours FCP=1550# on a 14/64" choke and recovered 70 bbl. of high gas cut water. SI the well for 1-1/2 hours with a SICP after the 2-1/2 hours of 2000#. MIRU Lone Wolf WL and wireline set a 4-1/2" comp. BP at 7800'. Bled off casing and RDMO Lone Wolf. ND frac head assembly and NU 10K BOP stack. SIFN. On 11/8/08 will RIH with mill and tbg. and start to drill out composite plugs.  On 11/8/08 SICP=0#. RIH with 3-3/4" mill and tbg. to 7790'. Load hole with 80 bbl. of 2% KCL water and est. circ.. Pressure test BOP and flow manifold to 2000#. Drill out composite BP at 7800' and flowed the kick on 2-48/64" chokes with a max. psi of 750#. Circ. hole clean with 2% KCL water and flow the well on a 48/64" choke at 500# and RIH to 7860' and SI pipe rams and RD swivel and night cap tbg. while flowing the csg. to the pit. Start to flow the csg. to the pit at 2:00 PM on 11/8/08 on a 48/64" choke with 500# FCP at a rate of 50 bbl. per hour with med. gas and no gas. Continue to flow the well over the weekend with the following: At 8:00AM on 11/9/08 on a 48/64" choke and at 4:00PM on 11/9/08 FCP=550# at a rate of 5 bbl. per hour of heavy gas cut. Place on a 18/64" choke and at 5:00AM on 11/10/08 FCP=800# with 5 bbl. per st 15 hours of 1120 bbl.. Continue to flow the well to clean up. est total recovery of 500 bbl. of water. On 11/10/08 will attempt to drill out remaining composite frac plugs.  Load from yesterday: 9535 Minus daily recovery: 800 LLTR: 8735  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489';

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Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/10/2008	06:00 - 16:00	10.00	STIM	3	10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos: 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/11/2008	06:00 - 16:00	10.00	FISH	1	"TIGHT HOLE"  On 11/10/08 FCP =800# on a 18/64" choke. Open csg. on a full 1" choke and FCP=200#. RIH with mil and tbg. and tag comp. free plug at 8500' and drill out plug with foam unit. Continue in he hole and tag comp.frac plug at 9330' and drill out frac plug with foam. Continue in the hole and tag and drill up composite frac plug at 9920' Continue in the hole and tag composite frac plug at 10800'. Pull mill to 10780' and SIFN. Too late to drill out plug. On 11/11/08 will drill out frac plug at 10800' and clean out well and layd down approx.4000' of tbg..  Recovered all water pumped today.  LLTR: 8735  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos: 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/12/2008	06:00 - 16:00	10.00	SEQ	1	"TIGHT HOLE"

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/12/2008	06:00 - 16:00	10.00	SEQ	1	<p>On 11/11/08 SITP =400# with float in bit sub assembly and SICP=2300#. RU power swivel and foam unit and tag comp.frac plug at 10800' and drill out frac plug. Continue in the hole with mill and tbg.and tag new PBTD at 11785'. RD foam unit. POOH and lay down 2-3/8" P-110 tbg.to 9100' and SIFN. On 11/12/08 will continue to POOH and LD 2-3/8" P-110 tbg.and start to RIH with new 2-3/8" L-80 tbg..</p> <p>Rec.all water used today. LLTR: 8735</p> <p>Perfs: Wingate: Zone#1: 9/22/08: 12464-72' &amp; 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' &amp; 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' &amp; 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone #7: Mancos: 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.</p>
11/13/2008	06:00 - 16:00	10.00	OTH		<p>"TIGHT HOLE"</p> <p>On 11/12/08 continue to repair rig.</p> <p>24 Hour Forecast: Will finish POOH &amp; laying doen P-110 tbg and start to RIH w/ new 2-3/8" L-80 as a production string.</p> <p>Rec.all water used today. LLTR: 8735</p> <p>Perfs: Wingate: Zone#1: 9/22/08: 12464-72' &amp; 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' &amp; 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30';</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/13/2008	06:00 - 16:00	10.00	OTH		11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'.
11/14/2008	06:00 - 16:00	10.00	TRP	5	"TIGHT HOLE" - COMPLETION  On 11/13/08 - SITP = 1700# & SICP = 2750#. Open up well & bled down & pump 30 bbls of 2% KCL water down the tbg & POOH & lay down 289 jts of P-110 tbg. ND top set of pipe rams. SIFN. On 11/14/08 Will RIH w/ L-80 tbg for production string. Had to pump an additional 100 bbls of 2% KCL water to top kill, but well flowed back all that was pumped today.  Rec. all water used today. LLTR: 8735 bbls  Csg Size: 4-1/2" 13.5# HCP-110 Csg Depth: 12601' FC @ 12600'???  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584';

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/14/2008	06:00 - 16:00	10.00	TRP	5	8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'
11/17/2008	06:00 - 16:00	10.00	BOP	1	"TIGHT HOLE"  On 11/14/08 SICP=1700#. Bled down to 200# and pump 100 bbl.of 2% KCL water. Tally and rabbit in the hole with new 2-3/8" EUE 8rd 4.7# L-80 production tbg.as follows: collar; 1 jt; 1.81" "F" nipple and 245 jts.of tbg...Land tbg.tail at 7820'. ND BOP's and NUWH. Turn well over to production department. Casing was flowing the last 2 hours of running tbg...On 11/17/08 will RDMO Basin WS #1. Report discontinued until further activity. All tbg.is landed high to production log. Recovered all water pumped today.  LLTR: 8735 bbls  Tbg.Detail: collar=(0.44'); 1 jt.of tbg. (31.76'); "F" nipple = (.84'); 245 jts.of tbg..(7765.48'); KB=22'. Tbg.tail at 7820.47'; "F" nipple at 7788'. All depths are KB depths.  Csg Size: 4-1/2" 13.5# HCP-110 Csg Depth: 12601' FC @ 12600'???  Perfs: Wingate: Zone#1: 9/22/08: 12464-72' & 12484-92' Isolated with CIBP at 12450' Keyenta: 10/2/08: 12312-20' & 12368-74' (42 holes) Entrada: 10/14/08; 11898-11904'; 11926-30'; 11986-94' & 12048-50' Buckhorn: 11192-96'; 11204-16' Dakota Silt: (10/31/08) 18383-40' & 10843-47'  Additional perfs: Zone #5: Mancos: 9966'; 9974'; 9981'; 10146'; 10298'; 10475'; 10489'; 10862'; 10718' Zone #6: Mancos: 9382'; 9408'; 9462'; 9488'; 9533'; 9608'; 9654'; 9713'; 9761'; 9860'. Zone:#7: Mancos; 8573'; 8584'; 8593'; 8612'; 8920'; 9063'; 9184'; 9246'; 9267'; 9286' Zone#8: Mancos: 7908'; 7913'; 7918'; 8014'; 8021'; 8151'; 8212'; 8285'; 8362'; 8435'
12/17/2008	06:00 - 16:00	10.00	BOP	1	"TIGHT HOLE" This well work will be to lower tbg.to finish completion of well.

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/17/2008	06:00 - 16:00	10.00	BOP	1	<p>NOTE: A production log has been performed on this well by PLS.                      On 12/16/-9 MI Basin Well Service rig #3 to lower tbg.on well. Construction work was being performed on battery and could not rig up. Will RU on 12/17/08 and NDWH nad NU BOP's and prepare to start to lower tbg..</p> <p>LLTR: 8735 bbls</p> <p>Tbg.Detail: collar=(0.44'); 1 jt.of tbg. (31.76'); "F" nipple = (.84'); 245 jts.of tbg..(7765.48'); KB=22'. Tbg.tail at 7820.47'; "F" nipple at 7788'. All depths are KB depths.</p> <p>Csg Size: 4-1/2" 13.5# HCP-110                      Csg Depth: 12601' FC @ 12600'???</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos; 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>
12/18/2008	06:00 - 16:00	10.00	BOP	1	<p>"TIGHT HOLE"</p> <p>This well work will be to lower tbg.to finish completion of well.</p> <p>On 12/17/08 TP and CP=25#. Bled down well and pump 15 bbl.of 2% KCL water down the tbg..RU Basin WS #3. NDWH and NU BOP's. Tally and rabbit in the hole with 37 jts of 2-3/8" 4.7# EUE 8rd L-80 tbg.and 22 jts.of 2-3/8" 4.7# EUE 8rd P-110 tbg.for a total of 304 jts.of tbg.in the hole putting the tubing tail at 9670'. ND BOP's and NUWH RD Basin WS. Left well SI overnight to build pressure. On 12/18/08 SITP and SICP=1000#. Preparing to put well on line to production department and to RDMO Basin WS. Final report of well completion.</p> <p>LLTR: 8735</p>

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### Operations Summary Report

Well Name: FR 6P-20-14-20  
 Location: 20- 14-S 20-E 8  
 Rig Name: BASIN WELL SERVICE

Spud Date: 5/3/2008  
 Rig Release:  
 Rig Number: 1

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/18/2008	06:00 - 16:00	10.00	BOP	1	<p>Tbg.Detail: collar=(0.44'); 1 jt.of tbg. (31.76'); "F" nipple = (.84'); 245 jts.of tbg..(7765.48'); KB=22'. Tbg.tail at 7820.47'; "F" nipple at 7788'. All depths are KB depths.</p> <p>Csg Size: 4-1/2" 13.5# HCP-110                      Csg Depth: 12601' FC @ 12600'???</p> <p>Perfs:                      Wingate: Zone#1: 9/22/08:                      12464-72' &amp; 12484-92'                      Isolated with CIBP at 12450'                      Keyenta: 10/2/08:                      12312-20' &amp; 12368-74' (42 holes)                      Entrada: 10/14/08;                      11898-11904'; 11926-30';                      11986-94' &amp; 12048-50'                      Buckhorn: 11192-96'; 11204-16'                      Dakota Silt: (10/31/08)                      18383-40' &amp; 10843-47'</p> <p>Additional perfs: Zone #5:                      Mancos: 9966'; 9974'; 9981';                      10146'; 10298'; 10475'; 10489';                      10862'; 10718'                      Zone #6: Mancos: 9382';                      9408'; 9462'; 9488'; 9533';                      9608'; 9654'; 9713'; 9761'; 9860'.                      Zone:#7: Mancos: 8573'; 8584';                      8593'; 8612'; 8920'; 9063'; 9184';                      9246'; 9267'; 9286'                      Zone#8: Mancos: 7908'; 7913'; 7918';                      8014'; 8021'; 8151'; 8212';                      8285'; 8362'; 8435'.</p>

**CONFIDENTIAL**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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5. Lease Serial No.  
UTU-10164

6. If Indian, Allottee or Tribe Name  
UTE TRIBE

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
QUESTAR EXPLORATION & PRODUCTION COMPANY

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)  
2110' FNL 2059' FWL, SENW, SECTION 20, T14S, R20E

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

8. Well Name and No.  
FR 6P-20-14-20

9. API Well No.  
43-047-39809

10. Field and Pool or Exploratory Area  
FLAT ROCK

11. Country or Parish, State  
UINTAH

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

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

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

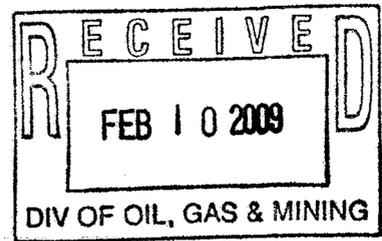
Due to unintentional wellbore dift the new bottom hole for the FR 6P-20-14-20 is as follows.

2512' FNL 1858' FWL , SENW, SECTION 20, T14S, R20E

COPY SENT TO OPERATOR

Date: 2.11.2009

Initials: KS



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

Title REGULATORY AFFAIRS

Signature *Jan Nelson*

Date 02/10/2009

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

Approved by *[Signature]*

Title PERMIT MANAGER Date 02-10-09

Office

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.

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.



Questar Exploration and Production Company

11002 East 17500 South

Vernal, UT 84078

Tel 435 781 4300 • Fax 435 781 4329

February 9, 2009

Division of Oil, Gas & Mining  
1594 W. N. Temple STE 1210  
Salt Lake City, UT 84114-5801

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3 Questar Exploration & Production, Co. *FR 6P-20-14-20* and *FR 9P-17-14-20* is an exception to this rule due to wellbore drift to a bottom hole location outside the legal window.

Furthermore, Whiting Oil and Gas Corporation and Flat Rock Gas LLC has consented approval for these well sites.

There are no other lease owners within 460' of the proposed location. If you have any question please contact Jan Nelson @ (435) 781-4331 or Chad W. Matney @ (303) 308-3048.

Thank you,

Jan Nelson  
Regulatory Affairs



Questar Exploration and Production Company  
Independence Plaza  
1050 17th Street, Suite 500  
Denver, CO 80285  
Tel 303 672 6600 • Fax 303 294 0632

Rocky Mountain Region

July 3, 2008

Whiting Oil and Gas Corporation  
1700 Broadway – Suite 2300  
Denver, CO 80290  
Attn: Chris Potter

Flat Rock Gas, LLC  
333 West Center Street  
North Salt Lake, Utah 84054  
Attn: Chris Malan

RE: Agreement to Exception Locations  
Oil Canyon Area  
T13-14S, R20E, SLM-Multiple Sections  
Uintah County, Utah

COPY

Gentlemen:

Pursuant to the provisions of this agreement, Questar Exploration and Production Company (“Questar”) as operator of certain leases and lands as set out on the attached Exhibit “A” and Whiting Oil and Gas Corporation (“Whiting”) as operator of lease ML-50734, also set out on Exhibit “A”, along with Flat Rock Gas LLC (“Flat Rock Gas”) as a non-operator, herewith agree to the following provisions regarding wellbore drift and exception locations under the state siting rules of the State of Utah Division of Oil, Gas and Minerals (“DOG M”). Questar, Whiting and Flat Rock Gas may be collectively referred to below as the “Parties”. All lands and leases found on Exhibit “A” will be collectively referred to below as the “Lands”.

The following shall set forth the provisions of this agreement:

1. This agreement shall be effective as of April 1, 2008 and shall remain in effect as long as any of the Lands continue to be subject to the provisions of those certain Joint Operating Agreements, dated January 1, 2008, entered into by and between Questar, Whiting and Flat Rock Gas covering the Lands.
2. Wellbore drift has been encountered in past wells drilled on the Lands. The Parties agree to allow the operator(s) to drill wells on the Lands without directional drilling, thereby agreeing to allow the wellbore to potentially drift outside of the legal window.
3. No well or wellbore will be drilled closer than 460’ to any lease line without a separate exception location, obtained pursuant to rule R649-3-3.
4. Should a Federal unit be formed, which covers all or a portion of the lands covered by this agreement, this agreement shall remain in effect until such time as a board order is rendered by DOGM which vacates or suspends the state siting rules within the unit. Those lands covered by this agreement which are subject to

the board order shall no longer be subject to the terms of this agreement. With regard to any lands covered by this agreement which are not included within said unit, this agreement shall remain in effect to these lands.

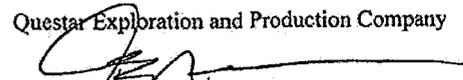
5. Exception locations as contemplated herein are subject to the approval of DOGM.

Sincerely,

QUESTAR EXPLORATION AND PRODUCTION COMPANY

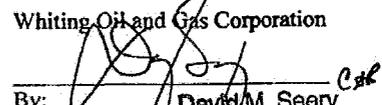
  
Chad W. Matney  
Associate Landman

Agreed to and accepted this 3<sup>rd</sup> day of July, 2008, by:

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

---

Agreed to and accepted this 25 day of July, 2008, by:

Whiting Oil and Gas Corporation  
  
By: David M. Seery *Csk*  
Title: Vice President - Land

---

Agreed to and accepted this 2<sup>nd</sup> day of July, 2008, by:

Flat Rock Gas LLC  
BY: FLYING JOIL + GAS INC., ITS OFFICIAL NUMBER  
By:   
Title: E. U. P.

COPY

### Exhibit "A"

Attached to and made a part hereof that certain letter agreement dated July 3, 2008,  
entered into by and between Questar Exploration and Production Company, Whiting  
Oil and Gas Corporation and Flat Rock Gas LLC.

Lease Serial Number	Legal Description	Acreage
U-6610	T13S-R20E-SLM Section 21: All Section 33: All Section 34: All	1920.00
U-6612	T14S-R20E-SLM Section 03: Lots 1-4; S2N2; S2 (All) Section 10: All Section 13: NE4NE4, NE4NW4, NE4SE4, SE4SW4 Section 15: W2, NW4NE4, NW4SE4	1839.89
U-6632	T13S-R20E-SLM Section 22: W2 Section 27: W2, SE4 Section 28: All	1440.00
U-6634	T14S-R20E-SLM Section 01: All Section 04: Lots 1-4; S2N2, S2 (All) Section 08: NE4 Section 09: N2, N2SE4 Section 24: All	2480.32
U-10162	T14S-R20E-SLM Section 05: Lots 1-4, S2N2, S2 (All) Section 08: S2SW4, N2SE4, NW4	960.38
U-10163	T14S-R20E-SLM Section 11: All Section 12: All Section 14: NE4NE4, NE4NW4, SW4SW4, NE4SE4 Section 22: NW4NE4, W2, SE4 Section 23: SW4NE4, SW4NW4, SW4SW4, SE4SE4	2120.00
U-10164	T14S-R20E-SLM Section 17: NW4, S2 Section 20: All Section 21: All	1760.00
U-10165	T14S-R20E-SLM Section 25: All Section 26: All Section 27: All	1920.00
U-18726	T14S-R20E-SLM Section 09: SE4SW4	40.00
U-27043	T14S-R20E-SLM Section 13: W2E2, SE4NE4 W2W2, SE4NW4, NE4SW4, SE4SE4 Section 14: W2E2, SE4NE4, NW4NW4, S2NW4, N2SW4, SE4SW4, SE4SE4 Section 15: E2E2, SW4NE4, SW4SE4 Section 22: E2NE4, SW4NE4 Section 23: N2N2, SE4NE4, SE4NW4, N2S2, SE4SW4, SW4SE4	1800.00
ML-50734	T14S-R20E-SLM Section 16: All	640.00

Uintah County, Utah

January 13, 2009

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Annual Waste Management Plan

Nacogdoches Oil & Gas operates wells, which produce certain volumes of water along with the oil and gas. This water is from the Coconino formation. The approximate volumes are reflected in Attachment "A". The water from the oil wells are stored in pits & then returned to the creek bed on lease. The water from the gas wells are stored in two 400 bbl tanks & then injected down the English #7 back into our waterflood.

During typical oil field operations, small amounts of oil, less than a barrel may be spilled. If this occurs, the contaminated soil is taken to the Montezuma Well disposal pit.

Our pumpers dispose of other incidental garbage from our operations. We assume this waste ends up in landfills serving Montezuma County.

If you require additional information please contact me at (505) 860-2864.

Sincerely,

Angela Velasquez  
Regulatory Agent

Attachment

ATTACHMENT "A"

JACOGDOCHES OIL & GAS SOUTHEAST UTAH OPERATED WELLS

Well Name	No.	Monthly Volume BWPM
English	10	1,386
English	11	16
English	12	2,129
English	14	510
English	16	39
English	17	317
English	20	1,335
English	27	2,994
English	28	1,628
English	29	484
English	30	1,768
English	33	9,132
English	35	0

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

## QUESTAR EXPLR. & PROD.

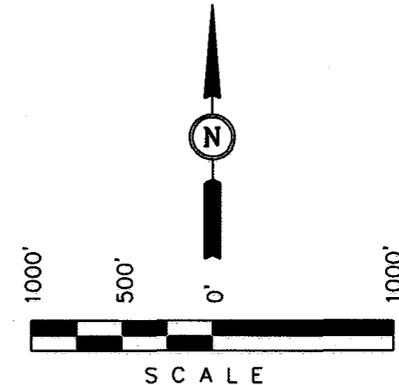
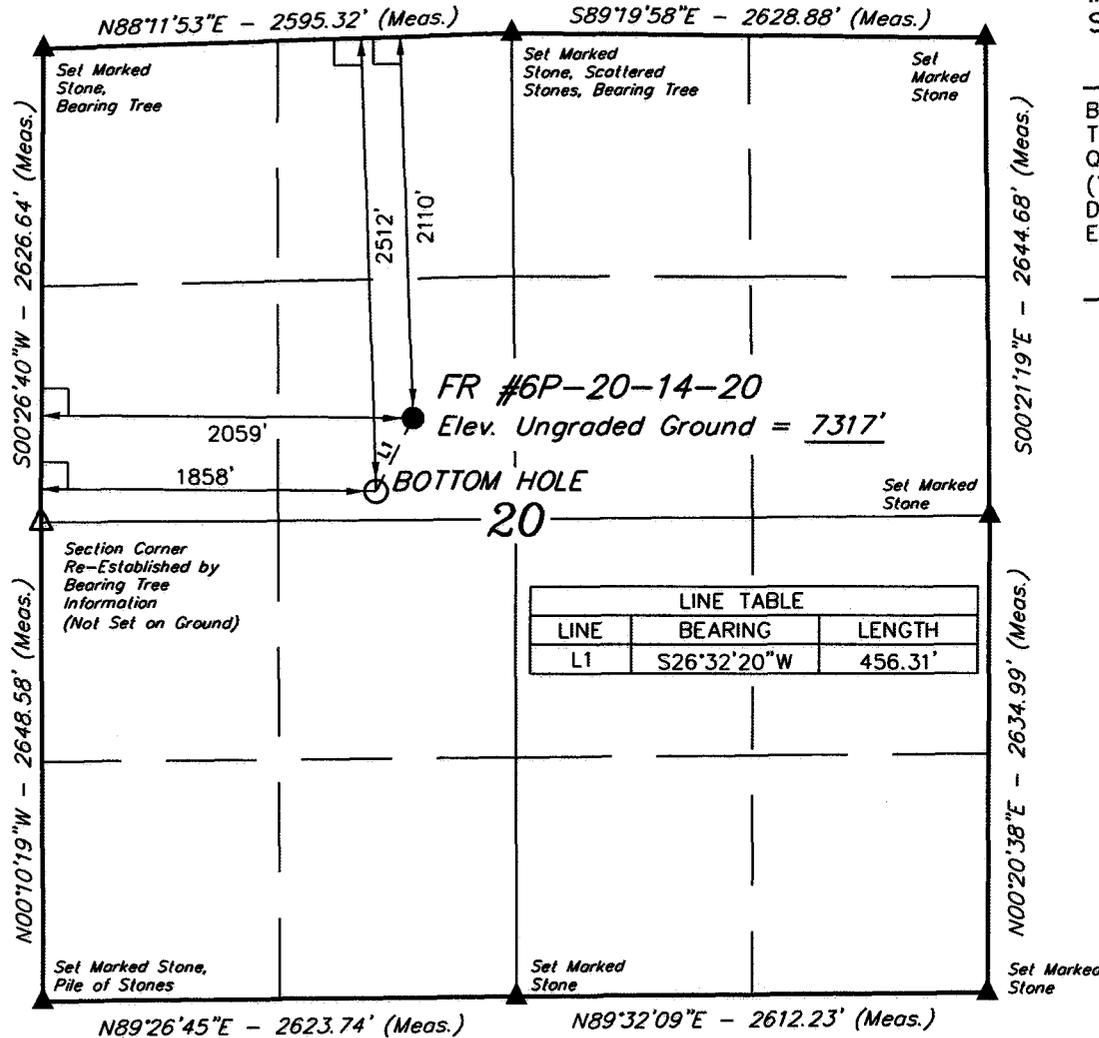
Well location, FR #6P-20-14-20, located as shown in the SE 1/4 NW 1/4 of Section 20, T14S, R20E, S.L.B.&M., Uintah County, Utah.

### 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.

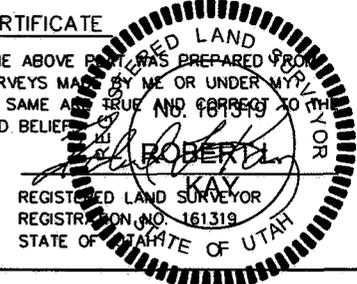
### BASIS OF BEARINGS

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



### CERTIFICATE

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



REVISED: 02-05-09

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

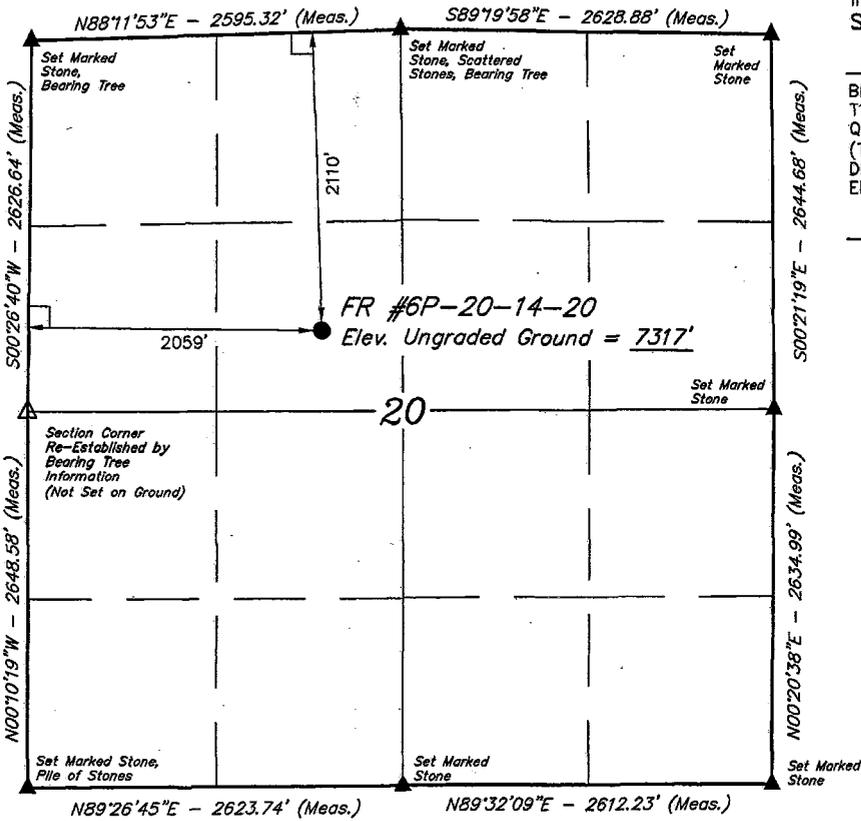
### LEGEND:

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

(AUTONOMOUS)	(AUTONOMOUS)
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°35'06.98" (39.585272)	LATITUDE = 39°35'10.99" (39.586386)
LONGITUDE = 109°42'16.61" (109.704614)	LONGITUDE = 109°42'13.96" (109.703878)
(AUTONOMOUS)	(AUTONOMOUS)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°35'07.11" (39.585308)	LATITUDE = 39°35'11.12" (39.586422)
LONGITUDE = 109°42'14.12" (109.703922)	LONGITUDE = 109°42'11.47" (109.703186)

SCALE 1" = 1000'	DATE SURVEYED: 07-23-07	DATE DRAWN: 07-31-07
PARTY J.W. Q.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

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



## QUESTAR EXPLR. & PROD.

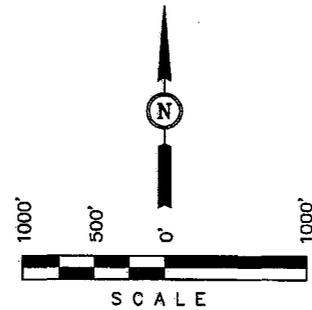
Well location, FR #6P-20-14-20, located as shown in the SE 1/4 NW 1/4 of Section 20, T14S, R20E, S.L.B.&M., Uintah County, Utah.

### 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, UTAH 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.



### CERTIFICATE

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



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

### LEGEND:

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

(AUTONOMOUS NAD 83)  
 LATITUDE =  $39^{\circ}35'10.99''$  (39.586386)  
 LONGITUDE =  $109^{\circ}42'13.96''$  (109.703878)  
 (AUTONOMOUS NAD 27)  
 LATITUDE =  $39^{\circ}35'11.12''$  (39.586422)  
 LONGITUDE =  $109^{\circ}42'11.47''$  (109.703186)

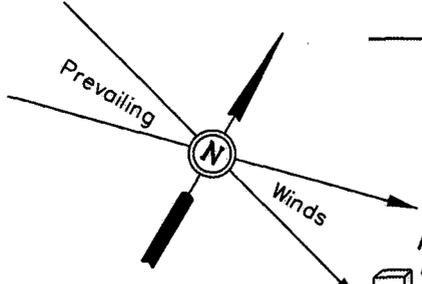
SCALE 1" = 1000'	DATE SURVEYED: 07-23-07	DATE DRAWN: 07-31-07
PARTY J.W. Q.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QUESTAR EXPLR. & PROD.	

QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

FR #6P-20-14-20  
SECTION 20, T14S, R20E, S.L.B.&M.  
2110' FNL 2059' FWL



SCALE: 1" = 60'  
DATE: 07-31-07  
DRAWN BY: L.K.  
REVISED: 02-05-09

Approx. Toe of Fill Slope

F-6.7'  
El. 306.7'

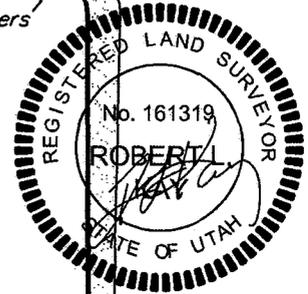
F-7.4'  
El. 306.0'

Proposed Access Road

Sta. 4+00

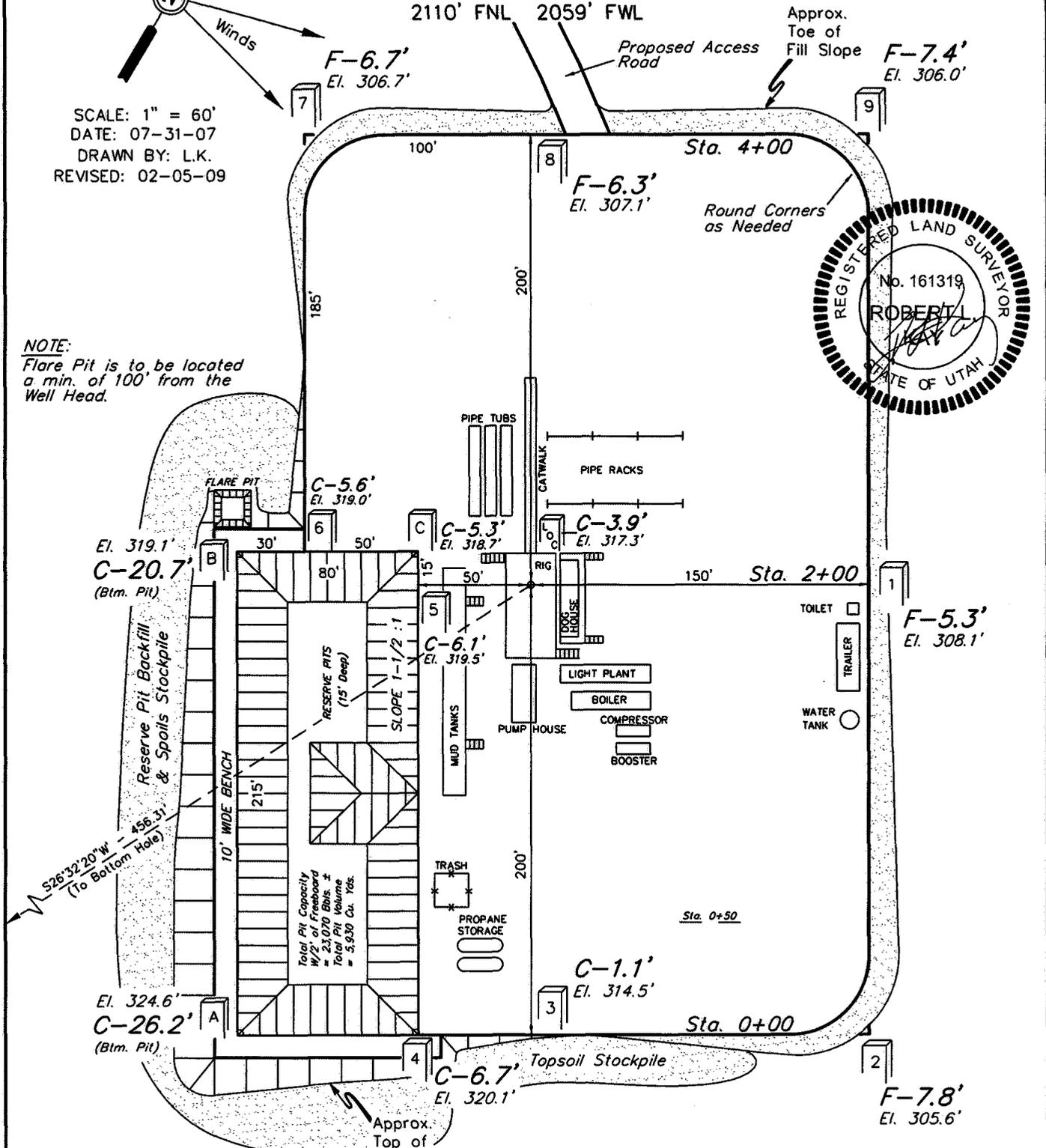
F-6.3'  
El. 307.1'

Round Corners as Needed



NOTE:

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



- TOILET
- TRAILER
- WATER TANK

NOTES:

Elev. Ungraded Ground At Loc. Stake = 7317.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 7313.4'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**COPY**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

*AMENDED*

5. Lease Serial No.  
UTU-10164

1a. Type of Well:  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
UTE TRIBE

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

2. Name of Operator  
Qestar Exploration & Production Co.

8. Lease Name and Well No.  
FR 6P 20 14 20

3. Address: 11002 EAST 17500 SOUTH - VERNAL, UT 84078  
 3a. Phone No. (include area code): 435.781.4342 - Dahn Caldwell

9. AFI Well No.  
43-047-39809

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface: 2110' FNL, 2059' FWL, SENW, SEC 20-T14S-R20E

10. Field and Pool or Exploratory  
UNDESIGNATED

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

At top prod. interval reported below: 2518 FNL, 1866 FWL  
 At total depth (Bottom): 2512' FNL, 1858' FWL, SENW, S20-T14S-R20E

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

14. Date Spudded: 05/29/2008  
 15. Date T.D. Reached: 07/27/2008  
 16. Date Completed: 11/15/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7,360' KB

18. Total Depth: MD 12,623' TVD 12,606'  
 19. Plug Back T.D.: MD 12,600' TVD 12,583'

20. Depth Bridge Plug Set: MD CIBP @ 11870', 12280', 12450' TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
 CBL & SPECTRAL DENSITY DSN ARRAY COMP TRUE RESISTIVITY

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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
15-1/2"	10-3/4"	40.5#		520'		430 SXS		SURF - CIRC	
9-7/8"	7-5/8"	29.7#		3812'		1,015 SXS		SURF - UNK	
6-1/2"	4-1/2"	13.5#		12,602'		1,125 SXS		1,050' - LOG	

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"	9671'							

25. Producing Intervals: MANCOS - DAKOTA - BUCKHORN

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SEE ATTACHMENT ONE			SEE ATTACHMENT ONE			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
SEE ATTACHMENT ONE	SEE ATTACHMENT ONE

28. 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
11/15/08	12/2/08	24	→	12	280	80			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
?	SI 272	739	→					PRODUCING	

28a. Production - Interval B

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	
	SI		→						

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

**CONFIDENTIAL**

**CONFIDENTIAL RECEIVED**

JAN 13 2009

DIV. OF OIL, GAS & MINING

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
CASTLEGATE	6688'				
BLACKHAWK	6939'				
DAKOTA SILT	10839'				
MORRISON	11230'				
CURTIS	11772'				
ENTRADA	11889'				

32. Additional remarks (include plugging procedure):

FUTURE OIL PROSPECTS: GREEN RIVER

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: PERFORATION & FRACING REPORT

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 (dfc)*

Date 01/08/2008

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.

**CONFIDENTIAL**

**FR 6P 20-14-20 – Attachment One  
PERFORATION DETAIL:**

<u>Open Perfs</u>	<u>Stimulation</u>	<u>Perf Status</u>
7908'		Open - Mancos
7913'		Open - Mancos
7918'		Open - Mancos
8014'		Open - Mancos
8021'		Open - Mancos
8151'	Frac w/ 41,000 Lbs in 90,510 Gals	Open - Mancos
8212'		Open - Mancos
8265'		Open - Mancos
8362'		Open - Mancos
8435'		Open - Mancos
8573'		Open - Mancos
8584'		Open - Mancos
8593'		Open - Mancos
8612'		Open - Mancos
8920'		Open - Mancos
9063'	Frac w/ 37,500 Lbs in 88,200 Gals	Open - Mancos
9184'		Open - Mancos
9246'		Open - Mancos
9267'		Open - Mancos
9286'		Open - Mancos
9382'		Open - Mancos
9408'		Open - Mancos
9462'		Open - Mancos
9488'		Open - Mancos
9533'		Open - Mancos
9608'	Frac w/ 36,000 Lbs in 84,420 Gals	Open - Mancos
9654'		Open - Mancos
9713'		Open - Mancos
9761'		Open - Mancos
9860'		Open - Mancos
9986'		Open - Mancos
9979'		Open - Mancos
9981'		Open - Mancos
10146'		Open - Mancos
10298'	Frac w/ 40,200 Lbs in 83,580 Gals	Open - Mancos
10475'		Open - Mancos
10489'		Open - Mancos
10662'		Open - Mancos
10718'		Open - Mancos

**CONFIDENTIAL**

10838' – 10840'	}	Frac w/	99,300	Lbs in	163,800	Gals	Open – Dakota Silt
10843' – 10847'							Open – Dakota Silt
11192' – 11196'		Acidize w/	2,000	Gals of	15% HCL	Acid	Open - Buckhorn
11204' – 11216'							Open - Buckhorn
CIBP @ 11,870'							CIBP @ 11,870'
11898' – 11904'	}	Acidize w/	2,000	Gals of	15% HCL	Acid	Closed - Entrada
11926' – 11930'							Closed - Entrada
11986' – 11994'							Closed - Entrada
12048' – 12050'							Closed - Entrada
CIBP @ 12,280'							CIBP @ 12,280'
12312' – 12320'	}	Frac w/	52,700	Lbs in	19,530	Gals	Closed - Keyenta
12368' – 12374'		And	95 Tons	of	CO2 cut		Closed - Keyenta
CIBP @ 12,450'							CIBP @ 12,450'
12464' – 12472'	}	Acidize w/	2,000	Gals of	15% HCL	Acid	Closed - Wingate
12484' – 12492'							Closed - Wingate

**CONFIDENTIAL**



# Survey Report

CONFIDENTIAL

Company	<u>Questar E&amp;P</u>	Mag. Decl.	<u>11.46</u>
Well	<u>FR6p-20-14-20</u>	Target Inc.	<u>1.37</u>
Field	<u>Flat Rock</u>	Target TVD	<u>        </u>
Rig	<u>Unit 236</u>	Target Az.	<u>205</u>
Nevis D.D.	<u>Dan Mack / Bill Kay</u>	Tgt. Coord.	<u>        </u>

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Walk
14-Jul	47	9970	2.70	212.10	32	9953.38	410.70	373.16 S	171.53 W	0.73	0.31	14.38
14-Jul	48	10003	2.70	218.20	33	9986.34	412.22	374.43 S	172.43 W	0.87		18.48
14-Jul	49	10035	2.30	219.20	32	10018.31	413.58	375.52 S	173.30 W	1.26	-1.25	3.13
14-Jul	50	10067	1.60	219.40	32	10050.29	414.64	376.37 S	173.99 W	2.19	-2.19	0.63
14-Jul	51	10100	1.20	213.60	33	10083.28	415.42	377.01 S	174.47 W	1.28	-1.21	-17.58
15-Jul	52	10132	1.60	209.40	32	10115.27	416.20	377.68 S	174.88 W	1.29	1.25	-13.13
15-Jul	53	10165	2.10	206.60	33	10148.26	417.26	378.62 S	175.37 W	1.54	1.52	-8.48
15-Jul	54	10197	2.20	209.10	32	10180.23	418.46	379.68 S	175.94 W	0.43	0.31	7.81
15-Jul	55	10229	2.10	209.00	32	10212.21	419.66	380.73 S	176.52 W	0.31	-0.31	-0.31
15-Jul	56	10262	2.10	205.50	33	10245.19	420.87	381.81 S	177.07 W	0.39		-10.61
15-Jul	57	10294	2.00	201.80	32	10277.17	422.01	382.85 S	177.53 W	0.52	-0.31	-11.56
15-Jul	58	10327	2.20	198.10	33	10310.15	423.21	383.99 S	177.94 W	0.73	0.61	-11.21
15-Jul	59	10359	2.30	194.40	32	10342.12	424.46	385.20 S	178.29 W	0.55	0.31	-11.56
15-Jul	60	10392	2.40	198.00	33	10375.09	425.79	386.49 S	178.67 W	0.54	0.30	10.91
15-Jul	61	10424	2.40	198.90	32	10407.07	427.12	387.77 S	179.09 W	0.12		2.81
15-Jul	62	10456	2.60	203.80	32	10439.04	428.52	389.06 S	179.60 W	0.91	0.63	15.31
15-Jul	63	10489	2.50	207.40	33	10472.00	429.98	390.39 S	180.24 W	0.57	-0.30	10.91
16-Jul	64	10521	2.00	204.10	32	10503.98	431.24	391.52 S	180.79 W	1.61	-1.56	-10.31
16-Jul	65	10554	1.50	195.50	33	10536.96	432.24	392.46 S	181.14 W	1.71	-1.52	-26.06
16-Jul	66	10586	1.40	194.20	32	10568.95	433.04	393.24 S	181.35 W	0.33	-0.31	-4.06
16-Jul	67	10619	1.00	183.60	33	10601.95	433.70	393.92 S	181.46 W	1.38	-1.21	-32.12
16-Jul	68	10651	1.30	184.90	32	10633.94	434.30	394.56 S	181.51 W	0.94	0.94	4.06
16-Jul	69	10683	1.60	185.40	32	10665.93	435.06	395.37 S	181.58 W	0.94	0.94	1.56
16-Jul	70	10716	1.70	198.30	33	10698.91	435.98	396.29 S	181.78 W	1.16	0.30	39.09
17-Jul	71	10758	2.10	216.00	42	10740.89	437.36	397.50 S	182.43 W	1.68	0.95	42.14
17-Jul	72	10781	2.50	218.10	23	10763.87	438.26	398.24 S	182.99 W	1.78	1.74	9.13
17-Jul	73	10813	2.10	224.60	32	10795.85	439.49	399.21 S	183.83 W	1.49	-1.25	20.31
17-Jul	74	10845	1.10	236.80	32	10827.83	440.31	399.79 S	184.50 W	3.28	-3.13	38.13
17-Jul	75	10878	0.40	282.10	33	10860.83	440.60	399.94 S	184.88 W	2.63	-2.12	137.27
17-Jul	76	10910	0.40	345.90	32	10892.83	440.54	399.81 S	185.01 W	1.32		199.38
17-Jul	77	10943	0.40	7.90	33	10925.83	440.34	399.58 S	185.02 W	0.46		-66.67
17-Jul	78	10975	0.10	20.00	32	10957.83	440.21	399.45 S	185.00 W	0.95	-0.94	37.81
18-Jul	79	11008	0.10	38.50	33	10990.83	440.15	399.40 S	184.97 W	0.10		56.06
18-Jul	80	11040	0.10	153.80	32	11022.83	440.14	399.40 S	184.94 W	0.53		360.31
18-Jul	81	11054	0.20	169.90	14	11036.83	440.17	399.44 S	184.93 W	0.77	0.71	115.00
19-Jul	82	11067	0.30	180.80	13	11049.83	440.22	399.49 S	184.93 W	0.85	0.77	83.85
19-Jul	83	11100	0.40	195.80	33	11082.83	440.41	399.69 S	184.96 W	0.41	0.30	45.45
19-Jul	84	11132	0.60	194.00	32	11114.83	440.68	399.96 S	185.03 W	0.63	0.63	-5.63
19-Jul	85	11162	0.80	192.40	30	11144.83	441.04	400.32 S	185.11 W	0.67	0.67	-5.33
19-Jul	86	11197	0.90	141.80	35	11179.82	441.40	400.77 S	185.00 W	2.09	0.29	-144.57
19-Jul	87	11230	1.20	195.90	33	11212.82	441.86	401.31 S	184.93 W	3.00	0.91	163.94
20-Jul	88	11266	1.60	203.60	36	11248.81	442.74	402.13 S	185.24 W	1.23	1.11	21.39
20-Jul	89	11299	2.30	207.50	33	11281.79	443.86	403.14 S	185.73 W	2.16	2.12	11.82
20-Jul	90	11331	1.80	210.30	32	11313.77	445.00	404.14 S	186.28 W	1.59	-1.56	8.75
20-Jul	91	11364	1.30	222.80	33	11346.75	445.87	404.86 S	186.79 W	1.82	-1.52	37.88
21-Jul	92	11396	1.10	223.40	32	11378.75	446.51	405.35 S	187.25 W	0.63	-0.63	1.87



# Survey Report

Company <u>Questar E&amp;P</u>	Mag. Decl. <u>11.46</u>
Well <u>FR6p-20-14-20</u>	Target Inc. <u>1.37</u>
Field <u>Flat Rock</u>	Target TVD _____
Rig <u>Unit 236</u>	Target Az. <u>205</u>
Nevis D.D. <u>Dan Mack / Bill Kay</u>	Tgt. Coord. _____

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Waik
6-Jul	1	7980	7.20	205.75		7969.22	275.04	248.99 S	116.85 W	0.28		
6-Jul	2	8254	7.60	207.20	274	8240.94	310.32	280.57 S	132.59 W	0.16	0.15	0.53
6-Jul	3	8319	6.60	205.50	65	8305.44	318.35	287.77 S	136.16 W	1.57	-1.54	-2.62
7-Jul	4	8384	5.40	207.90	65	8370.08	325.14	293.84 S	139.20 W	1.89	-1.85	3.69
7-Jul	5	8449	4.90	207.80	65	8434.82	330.97	299.00 S	141.93 W	0.77	-0.77	-0.15
7-Jul	6	8514	4.50	204.40	65	8499.60	336.29	303.78 S	144.28 W	0.75	-0.62	-5.23
7-Jul	7	8587	4.60	205.90	73	8572.37	342.08	309.02 S	146.74 W	0.21	0.14	2.05
7-Jul	8	8620	4.40	206.90	33	8605.27	344.67	311.34 S	147.89 W	0.65	-0.61	3.03
7-Jul	9	8652	4.20	206.90	32	8637.18	347.07	313.48 S	148.98 W	0.62	-0.63	
7-Jul	10	8685	3.60	206.30	33	8670.10	349.31	315.48 S	149.98 W	1.82	-1.82	-1.82
8-Jul	11	8750	1.80	203.20	65	8735.03	352.37	318.25 S	151.29 W	2.78	-2.77	-4.77
8-Jul	12	8782	2.40	204.10	32	8767.01	353.54	319.33 S	151.76 W	1.88	1.88	2.81
8-Jul	13	8879	4.70	198.80	97	8863.81	359.53	324.94 S	153.87 W	2.39	2.37	-5.46
8-Jul	14	8911	5.20	198.20	32	8895.69	362.27	327.56 S	154.75 W	1.57	1.56	-1.88
8-Jul	15	8944	4.60	198.80	33	8928.57	365.07	330.23 S	155.64 W	1.82	-1.82	1.82
9-Jul	16	8976	3.90	201.10	32	8960.48	367.43	332.46 S	156.44 W	2.25	-2.19	7.19
9-Jul	17	9009	3.30	203.20	33	8993.42	369.50	334.38 S	157.22 W	1.86	-1.82	6.36
9-Jul	18	9041	2.60	208.20	32	9025.38	371.15	335.87 S	157.93 W	2.33	-2.19	15.63
9-Jul	19	9073	2.20	209.90	32	9057.35	372.48	337.04 S	158.58 W	1.27	-1.25	5.31
9-Jul	20	9106	1.70	223.30	33	9090.33	373.58	337.95 S	159.23 W	2.04	-1.52	40.61
9-Jul	21	9138	1.50	232.30	32	9122.32	374.40	338.55 S	159.89 W	1.00	-0.63	28.13
9-Jul	22	9170	1.80	234.30	32	9154.30	375.21	339.10 S	160.63 W	0.95	0.94	6.25
10-Jul	23	9203	1.90	221.10	33	9187.29	376.19	339.81 S	161.41 W	1.32	0.30	-40.00
10-Jul	24	9235	1.80	208.40	32	9219.27	377.20	340.66 S	161.99 W	1.32	-0.31	-39.69
10-Jul	25	9268	1.90	199.30	33	9252.25	378.26	341.63 S	162.42 W	0.94	0.30	-27.58
10-Jul	26	9300	1.60	192.30	32	9284.24	379.23	342.56 S	162.69 W	1.15	-0.94	-21.88
10-Jul	27	9333	1.80	196.40	33	9317.22	380.19	343.51 S	162.94 W	0.71	0.61	12.42
10-Jul	28	9365	2.40	194.00	32	9349.20	381.34	344.64 S	163.24 W	1.89	1.88	-7.50
12-Jul	29	9399	3.10	192.20	34	9383.16	382.94	346.23 S	163.61 W	2.07	2.06	-5.29
12-Jul	30	9432	3.70	185.20	33	9416.10	384.81	348.17 S	163.89 W	2.21	1.82	-21.21
12-Jul	31	9464	4.10	181.80	32	9448.03	386.83	350.34 S	164.02 W	1.44	1.25	-10.62
12-Jul	32	9497	4.00	176.80	33	9480.95	388.93	352.67 S	163.99 W	1.11	-0.30	-15.15
13-Jul	33	9516	4.10	176.30	19	9499.90	390.11	354.01 S	163.91 W	0.56	0.53	-2.63
13-Jul	34	9548	3.80	170.90	32	9531.82	391.99	356.19 S	163.67 W	1.49	-0.94	-16.88
13-Jul	35	9580	3.40	180.00	32	9563.76	393.73	358.19 S	163.50 W	2.18	-1.25	28.44
13-Jul	36	9613	2.90	195.60	33	9596.71	395.44	359.97 S	163.73 W	2.99	-1.52	47.27
13-Jul	37	9645	2.40	210.40	32	9628.68	396.91	361.33 S	164.29 W	2.64	-1.56	46.25
13-Jul	38	9678	2.20	217.30	33	9661.65	398.21	362.43 S	165.02 W	1.03	-0.61	20.91
13-Jul	39	9710	2.20	214.30	32	9693.63	399.42	363.43 S	165.74 W	0.36		-9.38
14-Jul	40	9743	2.60	216.00	33	9726.60	400.78	364.56 S	166.53 W	1.23	1.21	5.15
14-Jul	41	9775	2.40	216.60	32	9758.57	402.15	365.68 S	167.36 W	0.63	-0.63	1.87
14-Jul	42	9808	2.80	213.50	33	9791.53	403.62	366.91 S	168.22 W	1.28	1.21	-9.39
14-Jul	43	9840	2.60	208.80	32	9823.50	405.12	368.19 S	169.00 W	0.93	-0.62	-14.69
14-Jul	44	9873	2.30	205.10	33	9856.47	406.53	369.45 S	169.64 W	1.03	-0.91	-11.21
14-Jul	45	9905	2.30	204.50	32	9888.44	407.81	370.62 S	170.18 W	0.08		-1.87
14-Jul	46	9938	2.60	207.50	33	9921.41	409.22	371.88 S	170.80 W	0.99	0.91	9.09



# Survey Report

Company <u>Questar E&amp;P</u>	Mag. Decl. <u>11.46</u>
Well <u>FR6p-20-14-20</u>	Target Inc. <u>1.37</u>
Field <u>Flat Rock</u>	Target TVD _____
Rig <u>Unit 236</u>	Target Az. <u>205</u>
Nevis D.D. <u>Dan Mack / Bill Kay</u>	Tgt. Coord. _____

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Walk
21-Jul	93	11429	0.60	252.00	33	11411.74	446.93	405.64 S	187.63 W	1.94	-1.52	86.67
21-Jul	94	11461	0.70	321.60	32	11443.74	446.96	405.54 S	187.91 W	2.33	0.31	217.50
21-Jul	95	11493	0.50	323.90	32	11475.74	446.80	405.27 S	188.12 W	0.63	-0.63	7.19
21-Jul	96	11526	0.60	274.60	33	11508.74	446.79	405.14 S	188.37 W	1.42	0.30	-149.39
21-Jul	97	11558	0.90	228.80	32	11540.74	447.08	405.29 S	188.73 W	2.02	0.94	-143.13
21-Jul	98	11591	1.70	205.50	33	11573.73	447.81	405.90 S	189.14 W	2.86	2.42	-70.61
22-Jul	99	11623	2.50	200.00	32	11605.71	448.98	406.99 S	189.58 W	2.58	2.50	-17.19
23-Jul	100	11654	2.50	197.90	31	11636.68	450.32	408.27 S	190.02 W	0.30		-6.77
23-Jul	101	11686	1.70	198.50	32	11668.66	451.49	409.38 S	190.38 W	2.50	-2.50	1.87
23-Jul	102	11719	0.60	220.90	33	11701.65	452.14	409.98 S	190.65 W	3.54	-3.33	67.88
23-Jul	103	11751	0.90	207.70	32	11733.65	452.55	410.33 S	190.88 W	1.08	0.94	-41.25
24-Jul	104	11783	1.10	221.00	32	11765.64	453.10	410.78 S	191.20 W	0.95	0.63	41.56
24-Jul	105	11816	0.40	273.50	33	11798.64	453.44	411.01 S	191.52 W	2.77	-2.12	159.09
24-Jul	106	11848	0.20	335.70	32	11830.64	453.45	410.95 S	191.65 W	1.11	-0.63	194.38
24-Jul	107	11881	0.30	310.90	33	11863.64	453.39	410.85 S	191.74 W	0.44	0.30	-75.15
24-Jul	108	11913	0.40	327.10	32	11895.64	453.30	410.70 S	191.87 W	0.44	0.31	50.63
24-Jul	109	11945	0.50	327.90	32	11927.64	453.17	410.48 S	192.00 W	0.31	0.31	2.50
24-Jul	110	11978	0.50	307.90	33	11960.63	453.06	410.27 S	192.19 W	0.53		-60.61
24-Jul	111	12010	0.50	350.10	32	11992.63	452.91	410.05 S	192.33 W	1.12		131.88
24-Jul	112	12043	0.90	351.00	33	12025.63	452.58	409.65 S	192.39 W	1.21	1.21	2.73
25-Jul	113	12075	0.90	347.30	32	12057.63	452.17	409.16 S	192.48 W	0.18		-11.56
25-Jul	114	12107	1.10	347.60	32	12089.62	451.73	408.61 S	192.61 W	0.63	0.63	0.94
25-Jul	115	12123	1.10	353.30	16	12105.62	451.48	408.31 S	192.66 W	0.68		35.62
25-Jul	116	12167	0.50	353.30	44	12149.61	450.95	407.70 S	192.73 W	1.36	-1.36	
25-Jul						Survey @ 12167 is projected to bit						

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**CONFIDENTIAL**

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

6. Bond No. \_\_\_\_\_ Office of Tribal Name \_\_\_\_\_

UTE TRIBE

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

1. Type of Well

Oil Well  Gas Well  Other

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

8. Well Name and No.  
FR 6P-20-14-20

2. Name of Operator  
QUESTAR EXPLORATION & PRODUCTION CO.

CONTACT: Mike Stahl

9. API Well No. 43-047-39809

3a. Address  
11002 EAST 17500 SOUTH, VERNAL, UTAH 84078

3b. Phone No. (include area code)  
(303) 308-3613

10. Field and Pool or Exploratory Area  
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2110' FNL 2059' FWL, SENW, SECTION 20, T14S, R20E

11. Country or Parish, State  
UINTAH, UTAH

12. CHECK THE 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 checked="" type="checkbox"/> Other <u>COMMINGLING</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

In Compliance with the Administrative Utah code for drilling and operating practice R649-3-22, completion into two or more pools. Questar Exploration & Production Company hereby requests the commingling of production between intervals in the FR 6P-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 gas streams.

Questar requests approval for the commingling of production of the Mancos, Dakota & Entrada intervals. Based upon offset production logs, the proposed initial allocation is as follows: Mancos - 80%; Dakota - 10%; Entrada - 10%.

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.

COPY SENT TO OPERATOR

Date: 3/12/2009

Initials: KS

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

Laura Bills

Title Associate Regulatory Affairs Analyst

Signature

*Laura Bills*

Date 02/18/2009

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

Approved by

*D. M. [Signature]*

Title

Pet. Eng.

Date

3/11/09

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

DOOM

Federal Approval Of This  
Action Is Necessary

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 provide to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**FEB 19 2009**

DIV. OF OIL, GAS & MINING

AFFIDAVIT OF NOTICE

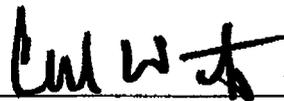
STATE OF COLORADO )  
 ) ss:  
COUNTY OF DENVER )

Chad W. Matney, being duly sworn, deposes and says:

- 1. That I am employed by Questar Exploration and Production Company in the capacity as a Landman. My business address is:

Independence Plaza  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the FR 6P-20-14-20 well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.
- 3. In my capacity as a Landman, I am authorized to provide such notice of Questar Exploration and Production Company's application to contiguous owners and to make this affidavit on this 4th day of December 2008.

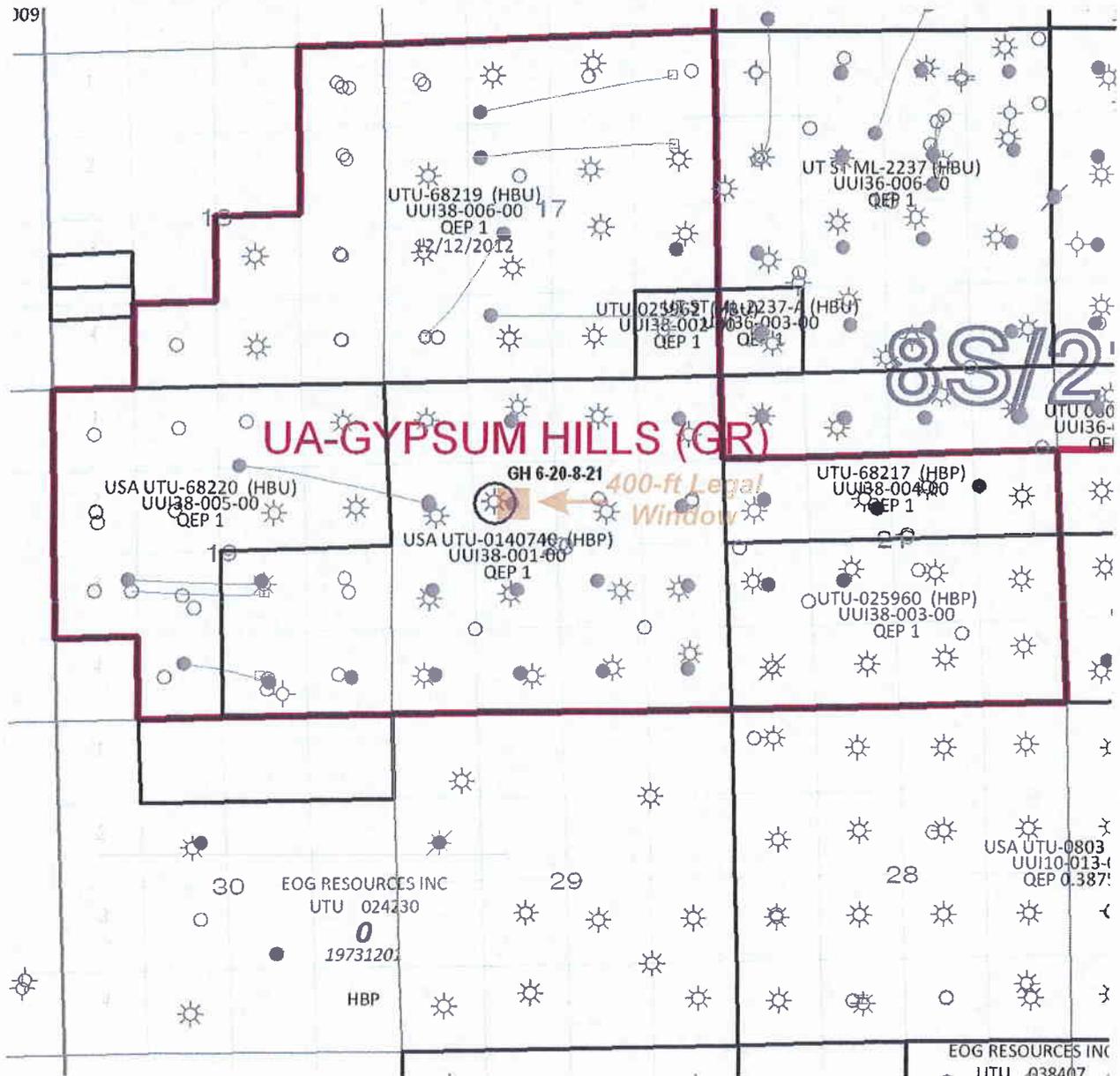
  
Printed Name: Chad W. Matney

The foregoing instrument was sworn to and subscribed before me this 4<sup>th</sup> day of December 2008, by Chad W. Matney.

  
Notary Public

THERESA CHATMAN  
-NOTARY PUBLIC-  
STATE OF COLORADO

MY COMMISSION EXPIRES: 7/7/11



# UA-GYPSUM HILLS (GR)

## T8S-R21E

○ Commingled well

<b>Tw/Kmv</b>	
<b>COMMINGLED PRODUCTION</b>	
Uinta Basin—Uintah County, Utah	
<b>Well: GH 6-20-8-21</b>	
<b>Lease: UTU 0140740</b>	
<b>QUESTAR</b> Exploration and Production <small>1050 17th St., # 500 Denver, CO 80265</small>	Geologist:
	Landman: Nate Koeniger/Chad Matney/Birgit Roesink
	Date: February 17, 2009



**Questar Exploration and Production Company**

Independence Plaza

1050 17th Street, Suite 500

Denver, CO 80265

Tel 303 672 6900 • Fax 303 294 9632

**Rocky Mountain Region**

December 4, 2008

SEE ATTACHED MAILING LIST

Dear Owner:

Attached for your information is a copy of Questar's application to the State of Utah Division of Oil, Gas and Mining for commingling of the FR 6P-20-14-20 Well located in Uintah County, Utah.

Very truly yours,

Chad W. Matney  
Landman

Enclosure(s)

**MAILING LIST  
FR 6P-20-14-20  
NOTICE OF COMMINGLING**

**Flat Rock Gas, LLC  
333 West Center Street  
North Salt Lake, UT 84054  
Attn: Chris Malan**

**Whiting Oil & Gas Corp.  
1700 Broadway Suite 2300  
Denver, CO 80290**

State of Utah  
Division of Oil, Gas and Mining

OPERATOR ACCT. No. N-5085

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
E	16925	16925	43-047-39809	FR 6P 20 14 20	SENW	20	14S	20E	Uintah	5/29/2008	11/15/08
WELL 1 COMMENTS: MNCS; DKTA; BUKHN <i>OK</i>										<b>CONFIDENTIAL</b> <i>3/12/09</i>	
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

  
Signature

Office Administrator 3/7/09  
Title Date

Phone No. (435)781-4342

**RECEIVED**

**MAR 11 2009**

DIV. OF OIL, GAS & MINING

**CONFIDENTIAL**

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

ROUTING  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

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

CA No.

Unit:

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

**RECEIVED**  
**JUN 28 2010**

DIV. OF OIL, GAS & MINING

**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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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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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