

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

SUBMIT IN TRIPLICATE*

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. LEASE DESIGNATION AND SERIAL NO. UTU-0803
TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE
TYPE OF WELL <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION, CO.		8. FARM OR LEASE NAME, WELL NO. GB 15D-27-8-21
3. ADDRESS 11002 E 17500 S VERNAL, UT 84078		9. API NUMBER: 43047-39462
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES
Telephone number Phone 435-781-4331 Fax 435-781-4395		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 27, T8S, R21E Mer SLB
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 624682X 766' FSL 2160' FEL, SWSE, SECTION 27, T8S, R21E At proposed production zone 4438442Y 4008992Z -104.537560		12. COUNTY OR PARISH Utah
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 8 +/- MILES EAST OF OURAY, UTAH		13. STATE UT
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 766' +/-	16. NO. OF ACRES IN LEASE 1280.00	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 1002' +/-	19. PROPOSED DEPTH 16,400'	20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 4779.1' GR	22. DATE WORK WILL START ASAP	23. Estimated duration 70 Days
24. Attachments		

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

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

RECEIVED
SEP 27 2007

DIV. OF OIL, GAS & MINING

SIGNED *Jan Nelson* Name (printed/typed) Jan Nelson DATE 9-25-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43047-39462 APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY _____

APPROVED BY *Bradley G. Hill* TITLE BRADLEY G. HILL
ENVIRONMENTAL MANAGER DATE 10-01-07

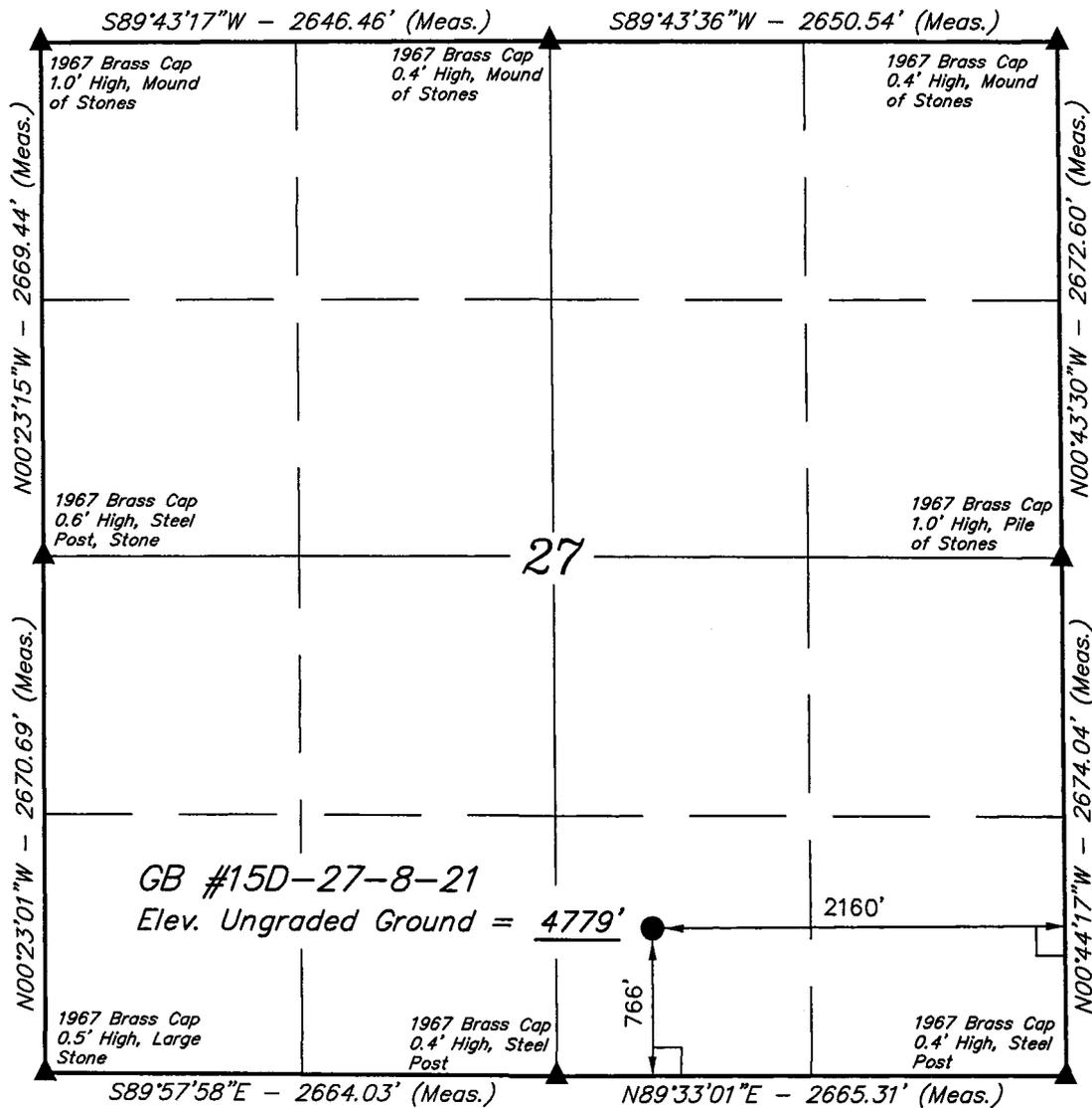
*See Instructions On Reverse Side

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

**Federal Approval of this
Action is Necessary**

CONFIDENTIAL

T8S, R21E, S.L.B.&M.



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

(NAD 83)
 LATITUDE = $40^{\circ}05'20.27''$ (40.088964)
 LONGITUDE = $109^{\circ}32'16.93''$ (109.538036)
 (NAD 27)
 LATITUDE = $40^{\circ}05'20.40''$ (40.089000)
 LONGITUDE = $109^{\circ}32'14.45''$ (109.537347)

QUESTAR EXPLR. & PROD.

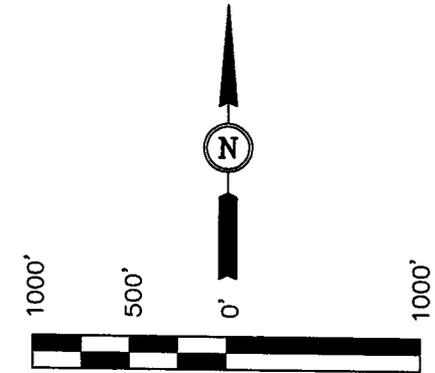
Well location, GB #15D-27-8-21, located as shown in the SW 1/4 SE 1/4 of Section 27, T8S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

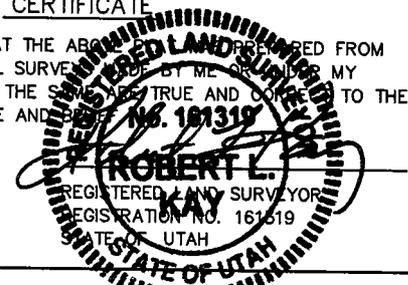
BASIS OF BEARINGS

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



SCALE
 CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPRESENTS THE TRUE AND CORRECT COPY OF THE ORIGINAL 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: 06-01-07	DATE DRAWN: 06-04-07
PARTY D.A. T.R. 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 16,400' to test the Dakota. 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.

DRILLING PROGRAM

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>Depth</u>
Uinta	Surface
Green River	2,297'
Wasatch	5,672'
Mesaverde	8,617'
Sego	10,847'
Castlegate	11,097'
Blackhawk	11,431'
Mancos Shale	11,873'
Mancos B	12,308'
Frontier	14,953'
Dakota Silt	15,825'
Dakota	16,025'
TD	16,400'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Wasatch	5,672'
Gas	Mesaverde	8,617'
Gas	Blackhawk	11,431'
Gas	Mancos Shale	11,873'
Gas	Mancos B	12,308'
Gas	Dakota	16,025'

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.

DRILLING PROGRAM

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 flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment:

- A. 13-5/8" 5000 psi double gate, 5,000 psi annular BOP (schematic included) from surface hole to 9-5/8" casing point. A 13-5/8" 10,000 psi double and single gate may be substituted based on contractor availability and substructure height of the drilling rig.
- B. 11" or 13-5/8" 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic included) from 9-5/8" casing point to total depth. The choice of BOP stacks is based on the drilling contractor's availability.
- C. Functional test daily
- D. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- E. 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 10M system and individual components shall be operable as designed.

DRILLING PROGRAM

4. **Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.
26"	20"	sfc	40-60'	Steel	Cond.	None	Used
17-1/2"	13-3/8"	sfc	500'	54.5	K-55	STC	New
11"	9-5/8"	sfc	8500'	47	HCP-110	Flush Jnt **	New
8-1/2"	7"	8000'	12,000'	29* SDrift	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	13,700'	15.1	P-110	LTC	New
6-1/8"	4-1/2"	13,700'	16,400'	15.1	Q-125	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
13-3/8"	54.5 lb.	K-55	STC	1,130 psi	2,730 psi	547,000 lb.
9-5/8"	47 lb.	HCP-110	LTC	7,100 psi	9,440 psi	1,213,000 lb.
7"	29 lb.*	HCP-110	LTC	9,200 psi	11,220 psi	797,000 lb.
4-1/2"	15.1 lb.	P-110	LTC	14,350 psi	14,420 psi	406,000 lb.
4-1/2"	15.1 lb.	Q-125	LTC	15,840 psi	16,380 psi	438,000 lb.

* **Special Drift**

** **Flush Jnt – VAM SLIJ II**

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125

BURST: 1.10

TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot

Maximum anticipated mud weight: 15.4 ppg

Maximum surface treating pressure: 12,500 psi

DRILLING PROGRAM

5. **Auxiliary Equipment**

- A. Kelly Cock – yes
- B. Float at the bit – yes
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
If drilling with air the following will be used:
 - 1. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
 - 2. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
 - 3. Compressor shall be tied directly to the blooie line through a manifold.
 - 4. 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. Oil based drilling mud will be used to drill the final section of the hole. The water based and oil based drilling system specifics are attached to this APD. Maximum anticipated mud weight is 15.4 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
- C. Logging – Mud logging – 4500’ to TD
GR-SP-Induction, Neutron Density, FMI

DRILLING PROGRAM

- D. Formation and Completion Interval: Mancos 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**

20" Conductor:

Cement to surface with construction cement.

13-3/8" Surface Casing: sfc – 500' (MD)

Slurry: 0' – 500'. 610 sxs (731 cu ft) Premium cement + 0.25 lbs/sk Flocele + 2% CaCl₂
Slurry wt: 15.6 ppg, slurry yield: 1.20 ft³/sx, slurry volume: 17-1/2" hole + 100% excess.

9-5/8" Intermediate Casing: sfc – 8,500' (MD)

Lead Slurry: 0' – 8,100'. 1151 sks (301 bbls) Foamed Lead 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset + 1.5 % Zonesealant 2000 (Foamer) Slurry wt: 14.3 ppg, (unfoamed) or 11.0 ppg. (foamed) Slurry yield: 1.47 ft³/sk (unfoamed), Slurry volume: 11" hole + 35 % excess.

Tail Slurry: 8,100' – 8,500'. 57 sks (15 bbls) Tail 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset Slurry wt: 14.3 ppg, Slurry yield: 1.47 ft³/sk, Slurry volume: 11" hole + 35% excess.

7" Intermediate Casing: 8,000 - 12,000' (MD)

Foamed Lead Slurry 2: 8,000' – 12,000'. 399 sks (634 cu ft) 50/50 Poz Premium + 20% SSA-1 + 3 % silicalite compacted + 3% Silicalite Compacted + 0.5% Halad 344 + 0.2% Halad 413 + 0.1% HR-12 + 0.7% Super CBL + 0.2% Suspend Slurry wt: 14.0 ppg., Slurry yield: 1.59 ft³/sk, Slurry volume: 8-1/2" hole + 25% excess.

4-1/2" Production Casing: sfc – 16,400' (MD)

Lead/Tail Slurry: 6,000 - 16,400'. 888 sks (1322 cu ft) Premium Cement + 17.5% SSA-1, + 4% Microbond HT, + 0.2% Halad 344 + 0.5% Halad 413, + 0.3% CFR-3, + 0.9% HR-12, + 0.2% Super CBL, + 0.2% Suspend HT, 17.5% SSA-2. Slurry wt: 16.2 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 6-1/8" hole + 35% in open hole section.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate string and 6,000' on the production string. 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.

DRILLING PROGRAM

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 13,800 psi. Maximum anticipated bottom hole temperature is 315° F.

9. ADDITIONAL INFORMATION FOR OIL BASE MUD:

- A. See attached diagram of well pad layout. A reserve pit will be constructed for this location. This pit will be constructed so that a minimum of two vertical feet of freeboard exists above the top of the pit at all times and at least one-half of the holding capacity will be below ground level. The pit will be lined with a synthetic reinforced liner, 30 millimeters thick, with sufficient bedding used to cover any rocks prior to putting any fluids into the pit. The pad will be designed so that runoff from adjacent slopes does not flow into the reserve pit. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. At the beginning of drilling operations this reserve pit will have an open-ended dike placed in the pit that allows the fluids to migrate from one side of the pit to the other during the drilling of the surface and intermediate hole using water based mud. At the time that operations begin to drill the production hole with oil base mud, this dike will be extended, dividing the pit into two distinct, isolated halves allowing no migration of fluids from one side to the other. At that time all fluids will be removed from the end of the pit to be used as a cuttings pit. This cuttings pit will be used for oil based cuttings generated during drilling of the production hole.
- B. Oil-base mud will be mixed in the closed circulating system and transferred to four 500-bbl tanks on location for storage prior to and after drilling operations. Drip pans will be installed below the rotary beams on the substructure and can be viewed on site from the cellar area. As the production section of the hole is drilled, the cuttings transported to the surface with the drilling fluid will be mechanically separated from the drilling fluid as waste by two shale-shakers and then cleaned/dried via a mud cleaner and/or centrifuge. These separated cuttings will be collected in a steel catch tank once they leave the closed circulating system and transported and placed into the cuttings half of the reserve pit.

DRILLING PROGRAM

- C. Plastic material will underlay the rig, oil base mud/diesel storage tanks and mud pits. All tanks on location will be placed inside of berms. Any oily waste fluids and sediments generated at the work site during drilling operations or when cleaning the fluid containment system after drilling will also be placed into the cuttings half of the pit.
- D. All rig ditches will be lined and directed to a lined sump for fluid recovery. A drip pan will be installed on the BOP stack, a mud bucket will be utilized as needed on connections and a vacuum system will be used on the rig floor for fluid recovery in those areas.
- E. Once all waste has been placed in the cuttings portion of the pit and all necessary approvals obtained, the oilfield waste management consultant Soli-Bond or a similar company will mobilize equipment and personnel to the site to perform the cement based solidification/stabilization process in-situ for encapsulation. Soil will be backfilled over the processed material used on the cuttings side of the pit and that portion of the pit area will be returned to the existing grade bordering the pit. Please see the attached Soli-Bond Proposal for Processing and Disposal of Drilling Waste for specific details. The half of the reserve pit containing water base materials will be left to evaporate and will be closed and reclaimed at the time that portion of the pit is dry.

10. Surface Ownership:

The well pad and access road are located on lands owned by:
Ute Tribe
PO Box 70
Ft. Duchesne, UT 84026

DRILLING PROGRAM

BOP Requirements:

13-5/8" Rotating Head

13-5/8" 5M Spacer Spool

13-5/8" 10M Annular

13-5/8" 10M Double Ram

13-5/8" 10M Mud Cross

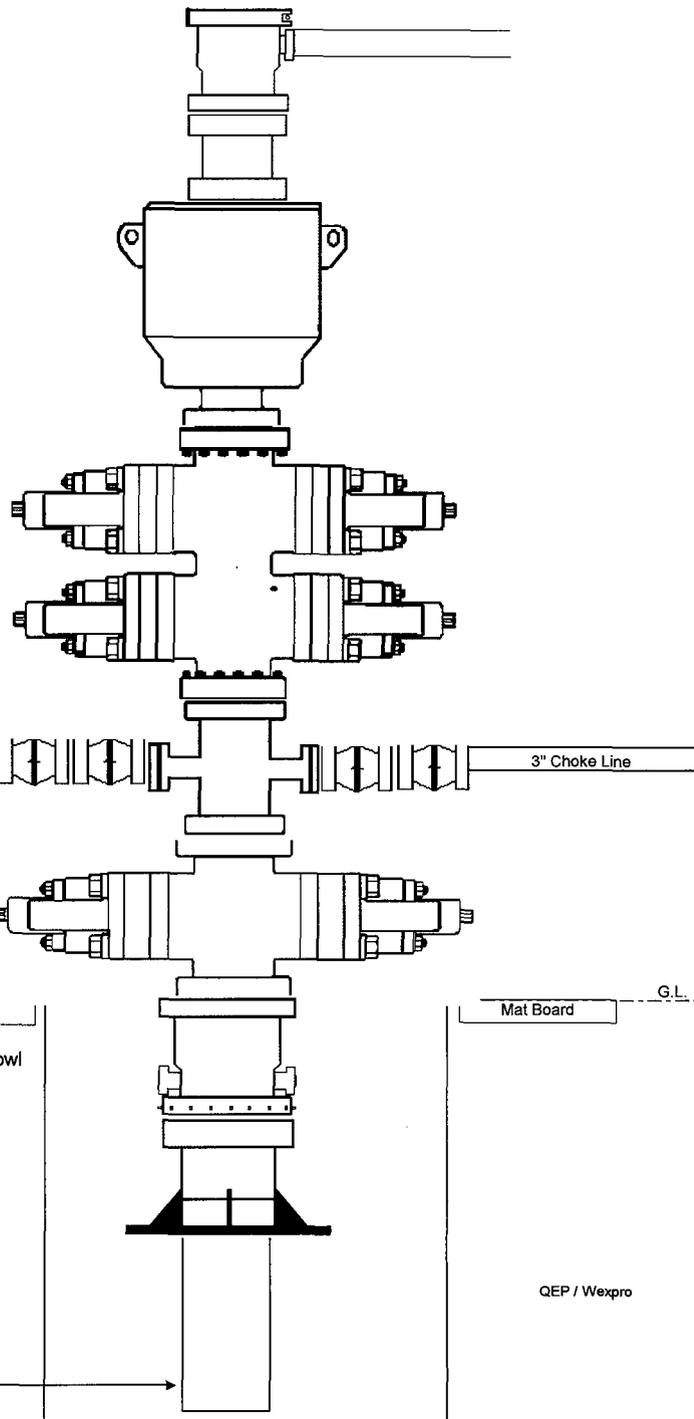
13-5/8" 10M Single Ram

G.L. Mat Board

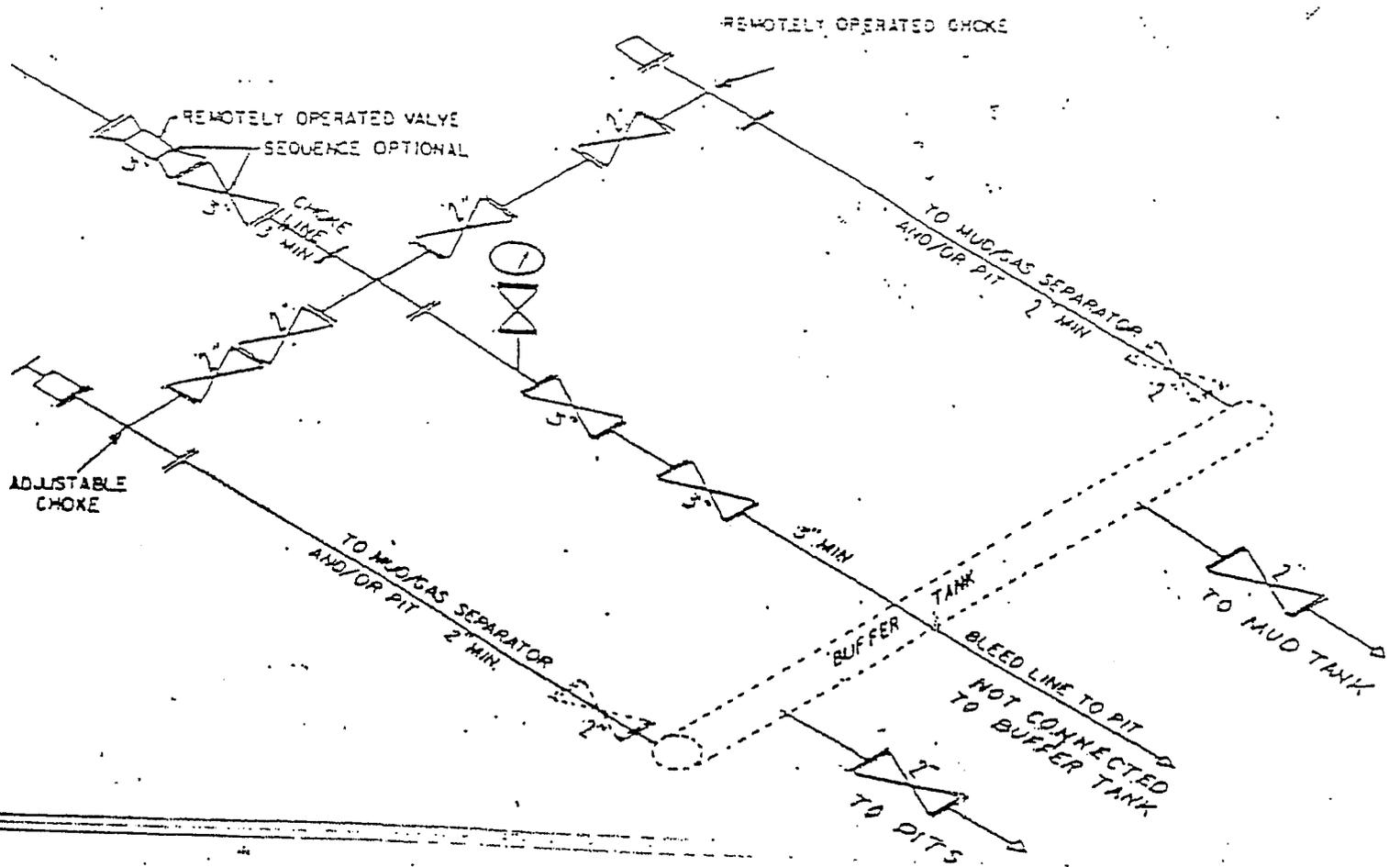
13-5/8" 5M x 13-5/8" 10M Multi-Bowl
"B" Sect

13-5/8" 5M "A" Section

13-3/8" 54.5# K55 Casing



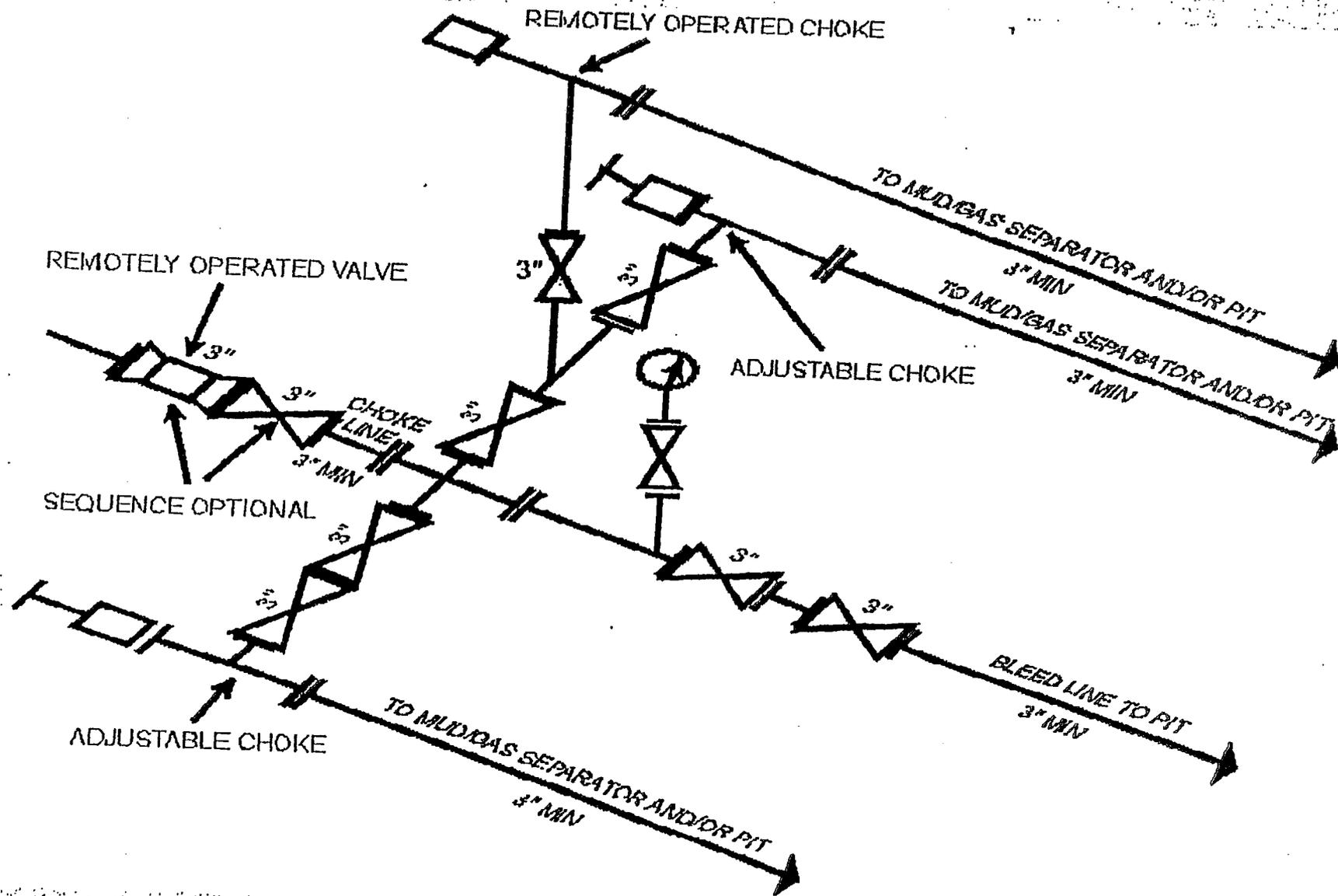
QEP / Wexpro



② SM CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-28738 Filed 11-17-88; 2:45 am]
WELLING CODE 4310-M-C

Attachment I. Diagrams of Choke Manifold Equipment

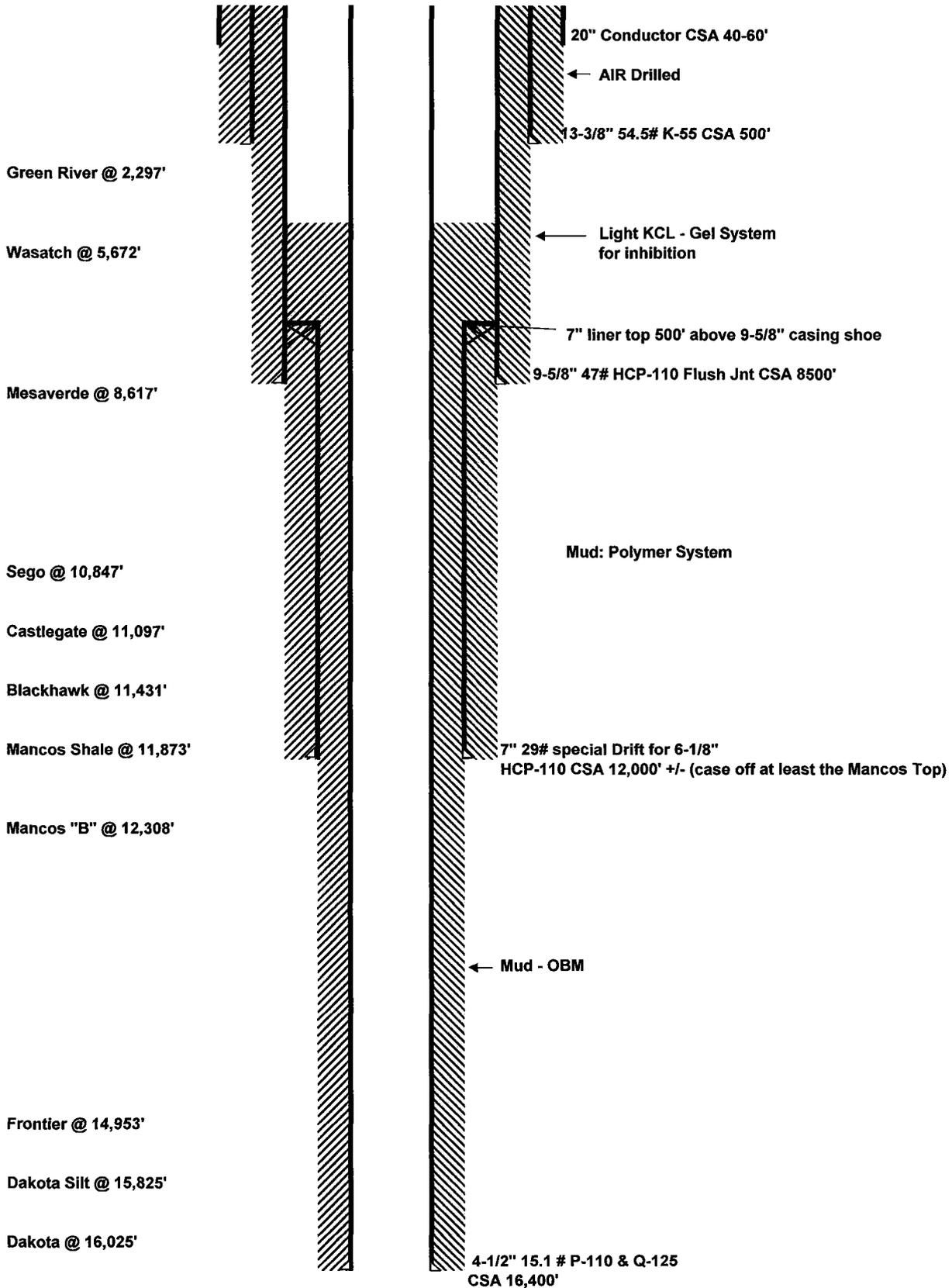


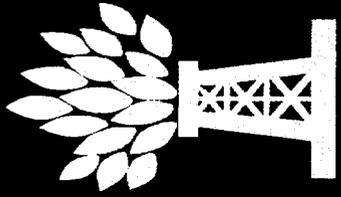
I-4.10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[34 FR.39528, Sept. 27, 1989]

Last Updated March 25, 1997 by John Broderick

GB 15D-27-8-21





NEWPARK

DRILLING FLUIDS, LLC

**Questar
Exploration &
Production Company**

GB 15D-27-8-21

***Sec 27-T8S-R21E
Uintah County, Utah***

Drilling Fluids Program

410 17th Street, Suite 460 Denver, CO 80202
(303) 623-2205 (720) 904-7970 Fax



Newpark Drilling Fluids, LP

410 17th Street, Suite 460

■ Denver, Colorado 80202

■ (303) 623-2205

■ FAX (720) 904-7970

August 9, 2007

Mr. Jim Davidson
Chief Drilling Engineer
Questar Exploration & Production
1331 17th Street, Suite 800
Denver, Colorado 80202

RE: GB 15D-27-8-21
Sec 27-T8S-R21E
Uintah Co, Utah

Mr. Davidson:

Newpark Drilling Fluids, LP is pleased to present the enclosed revised recommended drilling fluids program for the GB 15D-27-8-21 well to be drilled in Uintah County, Utah.

The Surface Interval will be drilled with air to a depth of 500 ft.

For the Intermediate Interval, it is recommended to drill out with 3% KCL water pumping NewGel sweeps as needed for hole cleaning. At 5500-5600 ft or before drilling into the Wasatch @ 5672', mud up to a 3% KCL/Polymer system. Trona water flows in this area may require a mud weight of 9.5 ppg to control. Use this fluid to casing point at 8,500'

In the Liner interval, drill out with the fluid from the previous interval. Discontinue additions of KCL. Allow KCL to deplete through dilution allowing the system to convert to a NewPHPA/Polymer system. Mud weight in this interval is expected to be in the 12.0-12.5 range at the 12,000 ft liner interval T.D.

In the Production interval, displace to a 12.0-13.0 ppg OptiDrill OBM system. Maintain fluid density as low as possible to increase penetration rates and reduce the possibility of lost circulation. Use high weight pills for well control during; trips, logs, and casing operations. Mud weight at T.D. is expected to be at +/-15.0 ppg.

The projected drilling time for this project is 65-70 days with an estimated material and engineering cost of \$500,000.00 assuming no unusual delays or problems are encountered. The estimate is based on minimal losses and a 15.0 ppg mud weight at TD. Costs will increase dramatically if severe losses are encountered.

All sack material and bulk barite will be furnished from our Grand Junction, Colorado facility, with OBM supplied from Newpark's Boulder, WY facility.

If you have any questions following your review of this proposal, please call.

Regards,

Estes Ward
Operations Manager
Newpark Drilling Fluids, LP

Project Summary

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Depth (ft)	Formations	Interval Comments	Mud Weight (ppg)	Mud Properties
500'	Uinta Surface T.D.	Hole size: 17 1/2" / Casing: 13 3/8" AIR DRILLED	NA	NA
2,297'	Green River Mahogeny	KCL/NewPHPA Hole size: 11.0" / Casing: 9 5/8" Flush Joint Drill out with water, adding KCL for 2-3%. Pump pre-hydrated NewGel sweeps for hole cleaning. For seepage, incorporate fine LCM into the NewGel sweeps.	8.6	Vis (sec/qt): 28-40 PV (cp): 0-12
5,672'	Wasatch	Begin mud up operations at +/- 5500 ft or before drilling into the Wasatch. It is recommended to have the KCL % at 3.0 or > before drilling into the Wasatch.	9.0	YP (#s/100ft ²): 0-10 FL (ml/30 min): 8-10 LGS %: 3-5
8,500'	Intermediate T.D.	Maintain the fluid loss at 8 mls with AquaBloc/NewPac. Maintain rheology control with NewEdge, CFL II, and DrillThin. Maintain hardness at 100 mg/l or > with lime/Gyp additions. As seepage is encountered, pump LCM sweeps as conditions dictate. Mud weight at T.D. is expected to be in the 9.4-9.5 ppg range	9.5	pH: 10.0-10.5 Cl (mg/l): 11-15K KCL %: 2.5-3.0
8,617'	Mesa Verde	NewPHPA Hole size: 8.5" / Liner: 7"	9.8	Vis (sec/qt): 40-45 PV (cp) : 12-20
10,847'	Sego	Drill out, running fresh water, allowing the KCL % to drop. Maintain properties as recommended and increasing the PHPA concentration to 1.0 ppb.	10.4	YP (#s/100ft ²) : 10-12
11,097'	Bucktongue	Lost circulation may be a problem in this interval. If lost circulation is encountered, pump LCM pills as needed. If LCM pills will not control losses, by-pass the shakers and increase the LCM concentration in the system as needed.	11.4	FL (ml/30 min): 6-8
11,431'	Castlegate	If severe lost circulation is encountered, consider a DynaPlug squeeze.	11.6	LGS %: 3-5
11,873'	Blackhawk	Hole instability may be encountered in the Mesa Verde. Monitor torque, pump pressure, connection fill, and trip conditions for indications of hole instability and consider adding Asphalt if hole conditions dictate.	12.4	pH: 10.0-10.5 Cl (mg/l): 11-15K
12,000' +/-	Mancos Shale Liner T.D.			KCL %: 0
12,308' MD	Mancos B	OptiDrill OBM Hole size: 7.0" / Casing: 4-1/2" Drill out with the OptiDrill system, treating cement contamination as needed with OptiWet to prevent shaker blinding.	12.5	PV (cp): 25-35 YP (lbs/100ft ²): 8-10 HPHT (mls/30 min.): <20 O/W : 80:20 - 85:15
14,953' MD	Frontier equiv.	Maintain hole cleaning during high ROP's with high viscosity sweeps. Use a 1:1 ratio of OptiVis RM and OptiVis.		ES: 500+
15,825' MD	Dakota Silt	CO2 in the gas stream while drilling under balanced will require additional Lime, emulsifiers and wetting agent.		Lime: 2-4 ppb
16,025' MD	Dakota			LGS %: < 6
16,400' MD	Total Depth	Maintain mud weight as needed for well control. Spot high weight ECD pills for trips, logs, and casing operations.	15.5	



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Project Summary

Questar
 Exploration & Production
 GB 15D-27-8-21
 Sec 27-T7S-R22E
 Uintah, County Utah

DRILLING FLUID PROPERTIES

Surface Hole: Air Drilled

Hole Size (in)	TVD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	Total Solids (%)
17 1/2 "	0-500'	NA	NA	NA	NA	NA

Intermediate Hole: KCL Water NewGel Sweeps - KCL/PHPA

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	KCL (%)	LGS Solids (%)
11"	500-5,500'	8.5-8.6	NA	NA	NA	2-3	< 1%
11 "	5,500'-8,500'	8.6-9.4	8-12	10-12	8-10	3.0	3-6

Liner Interval: NewPHPA

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	API Fluid Loss (ml/30min)	LGS Solids (%)
8 1/2 "	8,500'-12,000'	12.0-12.5	15-25	10-15	6-8	3-6

Production Interval: OptiDrill OBM

Hole Size (in)	MD (ft)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio (%)	HPHT Fluid Loss (ml/30min)	CaCL (mg/l) X 10,000	Electrical Stability (mv)	LGS Solids (%)
7.0 "	12,000'-16,400'	15.0-15.5	25-35	8-12	85/15	12-15	250-350	500 +	3-6

- Drilling fluid properties are guidelines only.
- Mud weights for guidelines only, allow hole conditions to dictate actual mud weights.
- Hole conditions should be closely monitored and product mix adjusted accordingly.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Intermediate Interval

11" Hole (500' - 8,500')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Intermediate Interval Drilling Fluid Properties

Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	Hardness (Mg/l)	Low Gravity Solids	KCL %
500'-5,500'	8.5-8.6	27-28	NA	NA	10.0-10.5	NA	100+	< 1.0	2.0-3.0
5,500'-8,500'	9.0-9.5	38-45	10-15	8-12	10.0-10.5	8-10	100+	3-6	3.0+

- Drill out mixing KCL for 3%. Pump pre-hydrated NewGel sweeps for additional hole cleaning and as hole conditions dictate. Add LCM to the sweeps for seepage.
- Mud up at 5,500 ft + to a KCL/Polymer system with properties as outlined above.
- If seepage is encountered, pump LCM sweeps as needed.
- Before drilling into the Wasatch, increase the KCL concentration to 3% or better.
- If Trona water is encountered, treat with Lime as needed for a 10.2 pH and 100 mg/l hardness.
- Mud weight at Intermediate T.D. is expected to be in the 9.2-9.4 ppg range.

<i>Challenges:</i>	<i>Strategies:</i>
Bit Balling	Use New Ease 203 (1-2 gal. down the drill pipe on connections) SAPP and Soap Sticks to prevent balling and to increase penetration rates.
Water Flows (Trona)	If water flows become excessive, mud up and increase mud weight as needed for control. Treat carbonate contamination with Lime/ Calcium Chloride as needed.
Lost Circulation	For seepage pump 50 bbl sweeps with 5-10 ppb DynaFiber and 10-20 ppb NewCarb as needed. For partial or total losses pump sweeps with 10-15 ppb FiberSeal and Cedar Fiber . If losses are not controlled with sweeps consider 10-15% LCM in active system. If losses are severe the use of a DynaPlug Squeeze is strongly recommended.
Differential Sticking	Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 mls/30 min.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)
Hole Instability/Sloughing Shale	Consider additions of Asphalt at 4-6 ppb and/or Potassium Silicate at 1-2 ppb.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Intermediate Interval

11" Hole (500'- 8,500')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Offset Data:

Some wells in this area have experienced losses in the Wasatch formation. LCM sweeps are strongly recommended for this reason. Mud weights should be kept as low as practical but increases to 9.5 ppg may be required to control the Trona Water flows which can be encountered from 3,000-4,000'.

Fluid Recommendations:

- Drill out cement, float collar and new formation. Test the integrity of the casing seat and squeeze if necessary.
- Close in pits and begin additions of **KCL**, **building to 3% before drilling the Wasatch**. Maintain **3% KCL** throughout the interval.
- If a Trona Water flow is encountered additions of **Lime** and/or **Calcium Chloride** should be used to adjust alkalinities as needed. An increase of mud weight to 9.5 may be necessary to control water flows in this area.
- The use of a premix tank is highly recommended. Pre-Hydrate **NewGel** for use as sweeps and for viscosity when a mud up is started at +/- 4,000'. Fill premix tank with fresh water. Treat out hardness with **SodaAsh** as needed. Add 0.25-0.5 ppb **Caustic Soda** for a 10.0-10.5 pH. Begin additions of 20-25 ppb **NewGel** allow sufficient circulating time for maximum hydration. Add 1.0-2.0 ppb **CFL II**. Then mix additional **NewGel** (30-40 ppb total) or a 120+ funnel viscosity. The pre-hydrated bentonite can be pumped from the premix to the pill tank and pumped downhole for sweeps or can be added slowly to the **3% KCL** water for viscosity and rheology control.
- At 5,500'-6,000' (or before drilling into the Wasatch formation) begin a mud up. Add pre-hydrated **NewGel** from the premix tank to the active system to increase funnel viscosity to 35-40 sec/qt. Maintain viscosity with pre-hydrated **NewGel** as needed. The system should be monitored and additions of **KCL** be adjusted to maintain **3% KCL**.
- Rheology can be enhanced with additions of .25-1.0 ppb **Flowzan** as needed.
- Reduce Fluid Loss to 8-10CC/30min with additions of 0.5-1.0 ppb **NewPAC** and/or 2-4 ppb **Aqua Bloc** by 5,500' and lower to 6-8 CC/30min prior to TD at 11,900'.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- If an increase in mud weight is necessary seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio.
- If losses become severe, LCM sweeps of **Cedar Fiber** and **FiberSeal** should be considered and incorporated into the system as needed. If losses continue, increase coarse LCM in active system to 15-20%. If losses continue the use of a **DynaPlug** Squeeze is strongly recommended.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 45-50 sec/qt, before logging operations be attempted.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Liner Interval

8 1/2" Hole (8,500' - 12,000')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Liner Interval Drilling Fluid Properties								
Depth Interval (TVD)	Mud Weight (ppg)	Viscosity (sec/qt)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	pH	API Fluid Loss (ml/30min)	Hardness (Mg/l)	Low Gravity Solids
5,500' - 12,000'	12.0-12.5	40-50	18-25	10-15	10.0-10.5	6-8	100+	3-6

- After drilling out discontinue additions of KCL, allowing system to revert to a fresh water polymer system.
- As mud weight is increased, seepage losses can become severe. Treat with LCM pills as needed. If pill treatments will not contain the losses at reasonable levels, by-pass the shakers, retaining the pills and allowing the LCM concentration to increase as needed.
- Hole instability can occur in the Mesa Verde in this area. If encountered, consider adding Asphalt, building to a 4-6 ppb concentration.
- High pressure may be encountered in the Castlegate/Blackhawk. Monitor closely for increased pressure while drilling and use caution on trips to minimize possible swabbing.
- Mud weight at Liner Interval T.D. is expected to be in the 12.0-12.5 ppg range.

<i>Challenges:</i>	<i>Strategies:</i>
Hole Instability/Sloughing Shale	Consider 4-6 ppb Asphalt
Increase in Formation pressure	Monitor well conditions and increase density as needed with NewBar as needed.
Seepage/Lost Circulation	As mud weight is increased (10.0ppg +) seepage and losses may become a problem. For seepage pump 50 bbl sweeps with 5-10 ppb DynaFiber and 10-20 ppb NewCarb as needed. For partial or total losses pump sweeps with 10-15 ppb FiberSeal and Cedar Fiber . Severity of losses will determine size and quantity of LCM added. If losses are not controlled with sweeps consider 10-15% LCM in active system. For severe losses the use of a DynaPlug squeeze should be considered.
Differential Sticking	Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 mls/30 min.
Increase ROP with PDC Bits	Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps)



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Liner Interval

8 1/2" Hole (8,500' - 12,000')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Offset Data:

Wells in this area have experienced losses as mud weights are increased to control formation pressure. LCM sweeps are strongly recommended for this reason. Mud weights should be kept as low as practical but increase to 12.5 ppg may be required by Liner TD at 12,650'.

Fluid Recommendations:

- Drill out cement, float collar and new formation with the system from the previous interval. Test the integrity of the casing seat and squeeze if necessary.
- Discontinue additions of **KCL**. Allow **KCL** to naturally dissipate by dilution with fresh water. Begin additions of 0.5-1.0 ppb **NewPHPA** and maintain throughout the interval.
- Maintain viscosity with PreHydrated **NewGel** until chlorides have dropped below 5000-7000 mg/l. After chlorides have dropped **NewGel** will not need to be pre-hydrated and can be added directly to the system.
- Begin additions of **NewPHPA**. Concentration of **NewPHPA** should be maintained at 0.5-1.0 ppb throughout the interval. As mud weight increases additions of **PHPA** should be switched from **NewPHPA DLMW** to the shorter chain **NewPHPA DSL**.
- If hole conditions dictate, consider 4-6 ppb Asphalt.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203**, **SAPP**, and **DynaDet** should be considered. (1% **New 100N**, 1% **NewEase 203**, 0.5-0.75 ppb **SAPP**, 0.2 % **DynaDet**). "**Flex Sweeps**"
- Increase mud weight as needed to control formation pressures as needed. Mud weights should be maintained as low as practical to reduce chance of losses and differential sticking. Increase mud weight as needed with **NewBar**.
- As density increases additions of **NewEdge** and/or **DrillThin** should be added for rheology control.
- As bottom hole temperatures increase and additional fluid loss control is desired supplement the **NewPAC** with **DynaPlex** for fluid loss control Lower API filtrate to 6-8 cc's with additions of **NewPAC** and **DynaPlex**.
- As mud weight is increased seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio. If partial or total returns are encountered, LCM sweeps with a varied size distribution including **Cedar Fiber** and **Fiber Seal**, **PhenoSeal** and other assorted sizes should be considered and incorporated into the system as needed. 20-25% LCM in the active system may be required. The type, size and quantity of LCM used will depend on the severity of losses. If losses are severe a **DynaPlug** squeeze should be considered.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 50-55 sec/qt, before logging or casing operations be attempted.
- While circulating casing it is recommended to reduce Yield Points for cementing operations.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Production Interval

6 1/8" Hole (12,000'-16,400')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Production Interval Drilling Fluid Properties

Depth Interval (TVD)	Mud Weight (ppg)	Plastic Viscosity (cp)	Yield Point (lb/100ft ²)	O/W Ratio %	HTHP Fluid Loss (ml/30min)	Excess Lime (PPB)	Electrical Stability (MV)	Low Gravity Solids	CaCl Mg/l Water
12,000'-16,400'	15.0-15.5	25-35	8-10	85:15	12-15	2-4	500+	< 6	300K

Drilling Fluid Recommendations: (12,000'-16,400')

- Displace to a OptiDrill OBM after finishing the liner job at 12,600'.
- After displacement, maintain the OptiDrill system within the parameters outlined above.
- Offsets in the area have encountered high rates of seepage in this interval. If indications of seepage are observed, sweeps of **NewCarb C**, **Dynafiber C & M**, **NewSeal**, and **CyberSeal** are recommended. Mixing ratios are recommended to be at 5:1 **NewCarb M** to **DynaFiber**, **NewSeal**, and **CyberSeal**. If losses continue to be a problem, consider trying different sizes and combinations until seepage is slowed.
- Maintain rheology low to reduce ECD values and reduce surge and swab during connections and trips.
- Drill as underbalanced as possible to help prevent losses and increase penetration rates.
- For pressure control, spot high weight pills with an equivalent mud weight to drilling ECD's. On trips in, stage these pills out and divert to storage for further use. High weight pills in excess of the drilling ECD should be avoided due to possible lost circulation.

Challenges	Strategies
Displacement	<ul style="list-style-type: none"> • Have 1200-1300 bbls of OBM volume on location along with a pump capable of keeping up with displacement rates. • Pump a 10-20 bbl viscosified OBM spacer ahead of the OptiDrill (enough for 500 ft + separation) • A steady pump rate for either turbulent or plug flow should be used. Reciprocate and rotate to assist in minimizing channeling. • Do not shut down once displacement commences. • Should any contamination occur, isolate the contaminated fluid for reconditioning.
Seepage/lost Circulation.	Pump LCM sweeps when seepage and/or losses are indicated. Sweeps should be a mixture of , NewCarb , DynaFiber , NewSeal , and CyberSeal . If lost returns are encountered, consider a Diaseal M or cross linked polymer squeeze.
Maintaining Oil wet solids	For every 1.0 ppg mud weight increase, mix 0.02 gal/bbl OptiWet
Pressure control	<ul style="list-style-type: none"> • Spot weighted pills calculated to give a bottom hole pressure equal to drilling ECD. • Do not exceed drilling bottom hole pressure with the ECD pill. Lost circulation has been a problem on offset wells. • Stage weighted pills out of the hole and recover for future use.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970

Production Interval

6 1/8" Hole (12,000' - 16,400')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Maintenance Procedure:

HPHT - Maintain HPHT values within programmed parameters. Additions of **OptiMul** and **OptiPlus**, at recommended concentrations should maintain the HTHP at recommended levels. If hole conditions indicate a need for lower HPHT values, **Opti G** at 2-4 ppb is recommended.

Electrical Stability— Electrical stability should be used as a guide not as an absolute in determining maintenance requirements. Actual values are not critical but should be observed for trends or changes. Decreases in electrical stability should be noted along with other mud properties to determine treatments. To increase electrical stability add emulsifiers and wetting agents **OptiMul** and **OptiPlus** or decrease water content.

Oil/Water Ratio - Maintain the oil/water ratio in the 90:10-80:20 range depending on mud weight and condition.. Higher water content will decrease the amount of **OptiVis** needed for rheology.

Mud weight - Maintain minimum fluid densities with solids equipment. Monitor hole conditions and all drilling parameters closely for indications of increases in formation pressures and adjust fluid densities accordingly. Drilling with a minimum amount of overbalance will reduce the possibility of losing returns and/or of differentially sticking the drill string. Mud weight on offset wells was in the 15.0-15.5 ppg range at T.D.

Rheology - Maintain solids as low as possible. Increase rheology as needed for hole cleaning with a combination of **OptiVis (Bentone 910)** and **Opti Vis RM** or **Opti Vis PS** and water content.

Lime - Maintain the excess Lime at 2-3 ppb excess.

Hole cleaning - Calculate rheology requirements based on ROP, pump rates and hole conditions. Adjust as needed .

Mud losses downhole—Monitor ECD's with Hy-Calc, maintaining the lowest values possible. If losses are encountered; sweeps containing **NewCarb**, **DynaFiber**, **Opti-G**, and **NewSeal** should be circulated to aid in the prevention of losses. If seepage losses continue and/or become severe, consider spotting a pill with **Magma Fiber (Fine & Regular)** and the above formulation. Keep the hole full at all times, and avoid excessive swabbing and/or surge actions when tripping.

Solids Control - Maintain low gravity solids at 4-6 % by volume. The high performance shakers should be equipped with the finest mesh screens that will handle the circulating volume and not cut barite out.

Water Contamination— Keep all water sources off the mud pits. If contamination occurs, treat with emulsifiers and Calcium Chloride as needed.



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
Denver, CO. 80202
(303) 623-2205 FAX (720) 904-7970

Production Interval
6 1/8" Hole (12,000' - 16,400')

Questar
Exploration & Production
GB 15D-27-8-21
Sec 27-T7S-R22E
Uintah, County Utah

Recommended materials for relaxed filtrate OptiDrill system :
(85:15 Oil/Water Ratio)

Product	Function	Concentration
<i>NewBar</i>	Weighting material	As needed
<i>OptiVis</i>	Organophilic Clay / Viscosifier	2-4 ppb
<i>OptiMul</i>	Primary Emulsifier	2.0 ppb
<i>OptiPlus</i>	Secondary Emulsifier	4.0 gal/bbl.
<i>OptiVis RM</i>	Low End Rheology Modifier	0.1-0.2 ppb
<i>Calcium Chloride Water</i>	Internal Phase	10.0%-20.0 % by volume
<i>Calcium Chloride</i>	Salinity/Activity	300,000 - 350,000 mg/l
<i>OptiG</i>	Fluid Loss control Additive	1.0-4.0 ppb
<i>Lime</i>	Alkalinity Additive	5 ppb
<i>NewCarb M</i>	Loss Circulation Material	10.0 ppb
<i>NewCarb F</i>	Loss Circulation Material	As required
<i>DynaFiber</i>	Loss Circulation Material	As required



Newpark Drilling Fluids, LP

410 17th Street, Suite 460
 Denver, CO. 80202
 (303) 623-2205 FAX (720) 904-7970



OILFIELD WASTE MANAGEMENT PROPOSAL

For

Questar Market Resources

SOLI-BOND® Processing and Disposal of Drilling Waste

Batch Treatment

Wells: GB 15D-27-8-21

SWNE Section 27

T8S – R21E

Uintah County, Utah

Prepared For: Jon Gent
Region Drilling Manager
Questar Market Resources
1050 17th Street, Suite 500
Denver, Colorado 80265
(303) 672-6927

Prepared By: Robert J. Wilson
Technical Sales Representative
Soli-Bond, Inc.
(303) 579-9800

CONFIDENTIALITY NOTICE:

Unless otherwise indicated or obvious from the Proposal, the information contained in this Proposal is privileged and confidential, intended for the use of the individual or entity named above. Dissemination, distribution or copying of this document is strictly prohibited.

SOLI-BOND® Processing and Disposal of Drilling Waste
BATCH TREATMENT
QUESTAR • GB 15D-27-8-21
Uintah County, Utah

OVERVIEW

Soli-Bond, Inc. (SBI) proposes to utilize the SOLI-BOND® Process for the treatment of **Drilling Waste** on the **GB 15D-27-8-21** in Uintah County, Utah, which will be followed by onsite disposal of the processed material.

This proposal will serve to delineate the specifications and criteria for achieving the project objectives as required by **Questar Market Resources** (Client) and the appropriate regulatory entities.

GENERAL DESCRIPTION OF THE SOLI-BOND® PROCESS

The SOLI-BOND® Process involves the controlled addition of a non-toxic, chemically reactive, portland-cement-based reagent or reagents to a waste, followed by the mixing of the reagent with the waste to form homogeneous slurry similar to viscous mortar. Oily substances that may be present in the waste are broken up into small droplets or particles and dispersed throughout the reagent/waste mixture during the mixing phase of the process. After the mixing phase, an irreversible chemical reaction begins to occur between the reagent and water present (or added) in the waste, ultimately causing the reagent/waste mixture to be transformed into a solid granular material with a “soil-like” consistency, typically within 48 hours after processing. Any dispersed particles of oily substances within the processed material are *physically* locked in place or “micro-encapsulated” in their isolated state inside the reacted cementitious matrix, preventing them from re-coalescing and suddenly being released to the environment at significant rates. The same irreversible reaction *chemically* stabilizes various metals that may be present in the waste, primarily by transforming them into less soluble metal hydroxides and other chemical species, thus greatly reducing their mobility and availability to the surrounding environment as well. In summary The SOLI-BOND® Process reduces the leaching rate of target constituents of concern from a waste form to such a degree that they can no longer cause harm to health or the environment. The SOLI-BOND® Process is a waste treatment method more generally known as Solidification/Stabilization (S/S). S/S has been recognized and prescribed by the United States Environmental Protection Agency for many years as an effective technology for the treatment of waste containing various metals as well as non-volatile and semi-volatile organic substances.

INNOCUOUS WASTE APPLICATIONS

The SOLI-BOND® Process can also be applied to solidify innocuous oilfield wastes such as spent water based drilling fluids and physically unstable water based drill cuttings to avoid the increased difficulties typically associated with the disposal of liquid or semi-solid wastes. Irreversibly transforming the *physical* properties of an innocuous waste, from a liquid or semi-solid state that's structurally unstable, into a solid, granular material with load bearing capability, can be the sole reason for using The SOLI-BOND® Process. In addition, the chemically driven transformation into a dry solid occurs quickly, with minimal volume addition and the process can accommodate waste with high fluid content. For oilfield waste pit applications, the process provides more rapid solidification of the pit contents, more room for the prescribed depth of soil cover and can greatly reduce the waiting period for the pit contents to dry sufficiently for pit closure as opposed to that required for conventional closure methods.

BATCH TREATMENT

QUESTAR • GB 15D-27-8-21

Uintah County, Utah

SITE AND APPLICATION DESCRIPTION

The subject work site is an area constructed for the drilling and production of the gas well covered in this proposal. The well plan contemplates the use of an oilbase drilling fluid during the drilling of the production section of the well. As this section of the well is drilled, cuttings will be generated, transported to the surface within the drilling fluid, then mechanically separated from the drilling fluid as waste. These separated cuttings are expected to contain elevated levels of adhered/absorbed hydrocarbons due to their prior contact with the oilbase drilling fluid. These “oilbase cuttings” will be collected in steel catch tanks provided by the Client as drilling progresses and then placed in the separate oil base cuttings pit.

In addition to the “oilbase cuttings” described above, oily waste fluids and sediments may be generated at the work site during drilling operations and after drilling is completed the drilling fluid containment system will be cleaned thus generating some oily cleaning waste as well. It is these oilbase cuttings, waste fluids and sediments and cleaning waste that comprise all the waste to be treated and disposed of under this proposal.

Based on Client information and allowing for well bore washout, decompression/expansion of the drilled cuttings and the adhered/absorbed drilling fluids (“WEF”), the total volume of waste to treat was estimated as follows:

GB 15D-27-8-21

4,4400 feet of 6.125 inch diameter hole x WEF factor of 3:	481
Estimated additional sediments and cleaning waste:	<u>10,500</u>
Total Estimated Barrels of Waste to Treat:	10,981

SBI proposes to apply the SOLI-BOND® Process to the oilbase cuttings and other indicated waste from the well during drilling operations to achieve the following objectives:

- Permanently reduce the leaching rate of target constituents of concern from the treated material to within prescribed limits.
- Irreversibly solidify the physically unstable waste to allow onsite disposal and support of soil cover without subsidence.
- Accomplish treatment with minimal volume addition to minimize disposal cell size and facilitate required minimum space for soil cover.
- Achieve rapid solidification of the waste to allow prompt final disposal.

PRELIMINARY ACTIVITIES

SBI personnel collected a sample of waste similar in characteristics to the waste to be generated on the subject project. The waste sample was used to conduct bench scale SOLI-BOND® processing, which has been carried out to determine effective reagent formulations, reagent/waste mix ratios, pricing and other aspects of this proposal.

OPERATIONAL PLAN

SBI jobsite operations will be conducted as follows:

BATCH TREATMENT

QUESTAR • GB 15D-27-8-21

Uintah County, Utah

- After drilling the oilbase section of the well, SBI will install the SOLI-BOND® Waste Processing System at the well site. The “oilbase cuttings” will be treated “in-situ” in the existing lined pit.
- SBI will mobilize personnel to the jobsite to process the waste that has accumulated in the lined oil base cuttings pit.
- Upon arrival at the jobsite, the SBI Site Foreman will conduct a Jobsite Safety Assessment with SBI crew, discussing all potential jobsite safety hazards, required personal safety gear and accident avoidance and conduct safety meetings with SBI crew prior to each day’s work throughout the project.
- SBI and Client Representative will verify the volume of waste to treat in each batch prior to process operations.
- SBI crew will then process the waste with the SOLI-BOND® Waste Processing System.
- Waste processing will be performed during eight (8) hour daylight shifts. After daily onsite process operations are completed SBI personnel will prepare a SBI field ticket for Client Representative signature, indicating the volume of waste processed (in barrels).
- Components of The SOLI-BOND® Waste Processing System may remain at the jobsite until all waste to treat has been processed.
- After all waste is processed from the well, a composite sample of the processed material will be collected for laboratory analysis to verify that it complies with criteria under the section herein entitled “Performance Criteria.”
- SBI will utilize the existing lined pit as an on-site disposal cell sized to accommodate the processed oilbase cuttings and four (4) feet of soil cover after final reclamation of the drill site. Client has provided a plastic liner for the disposal cell, including installation. After achievement of performance criteria is verified, SBI will backfill the cell to the adjacent surface elevation thus constituting final disposal of the processed material. SBI will then demobilize equipment and personnel thus concluding SBI’s onsite operations.
- A SBI Waste Treatment and Disposal Report suitable for submittal to the appropriate regulatory agencies will then be prepared documenting all pertinent aspects of the project and will be submitted to the Client.

PERFORMANCE CRITERIA

The treated waste will comply with the following criteria:

1. Leachable Oil and Grease less than 10 mg/L.
2. Leachable Total Dissolved Solids to be less than 5000 mg/L and/or leachable salts below acceptable site-specific guidelines.

Compliance with the performance criteria will be certified by an accredited testing laboratory utilizing the appropriate tests as prescribed and will be documented in a final report submitted to Client and the appropriate regulatory agencies as required.

SCHEDULE (All time/days are estimates and may change due to jobsite conditions)

SOLI-BOND® Processing and Disposal of Drilling Waste

BATCH TREATMENT

QUESTAR • GB 15D-27-8-21

Uintah County, Utah

ITEM / SERVICE (Based on estimated 10,981 total barrels of waste to process)	ESTIMATED DAYS
Mobilization And Setup	1
Estimated SOLI-BOND® PWD Waste Processing System Rental Days	15
Process Material, Backfill Cell	12
Takedown and Demobilization	1

ITEMS FURNISHED with SOLI-BOND® PWD Waste Processing System

Equipment

- SB-2-7 Processor
- SOLI-BOND® Reagent Storage Silo w/ Discharge Auger
- Back Hoe Loader
- Ancillary Equipment
- First Aid and Safety Equipment
- SBI Crew Transportation

Personnel

- *SBI Site Foreman*
- *SBI Operator Material*
- Fuel necessary to operate Soli-Bond's motorized equipment.

Miscellaneous

- SBI Equipment Cleaning.
- One Laboratory Analysis of Processed Material. (for parameters indicated herein)
- SBI Waste Treatment and Disposal Report.

CLIENT RESPONSIBILITY

- Client will provide SBI with a written work order or other Client recognized document to contract SBI to perform the work as described herein.
- Client will provide SBI with a list of any Client requirements related to performing and being compensated for the work described herein.
- Client will provide "all weather" ingress and egress to the site.
- Client will provide process add-mix water.
- Client agrees that delays or interruptions in SBI's work described herein caused by "Acts of Nature" or events under the responsibility of the Client or Client contractors (excluding SBI and it's contractors) may result in additional charges to Client.

QUESTAR EXPLORATION & PRODUCTION, CO.
GB 15D-27-8-21
766' FSL 2160' FEL
SWSE, SECTION 27, T8S, R21E
UINTAH COUNTY, UTAH
LEASE # UTU-0803

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

The proposed well site is approximately 8 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 will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes.

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 90 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 Sec. 12, T8S, R21E; or Red Wash Disposal Well located in NESW, Sec. 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.

See additional information for oil base mud under the Drilling Program # 9.

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.

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

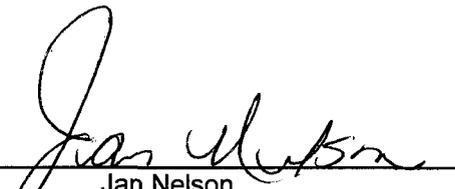
Certification:

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

25-Sep-07
Date

QUESTAR EXPLR. & PROD.

GB #15D-27-8-21

LOCATED IN UINTAH COUNTY, UTAH
SECTION 27, T8S, R21E, S.L.B.&M.

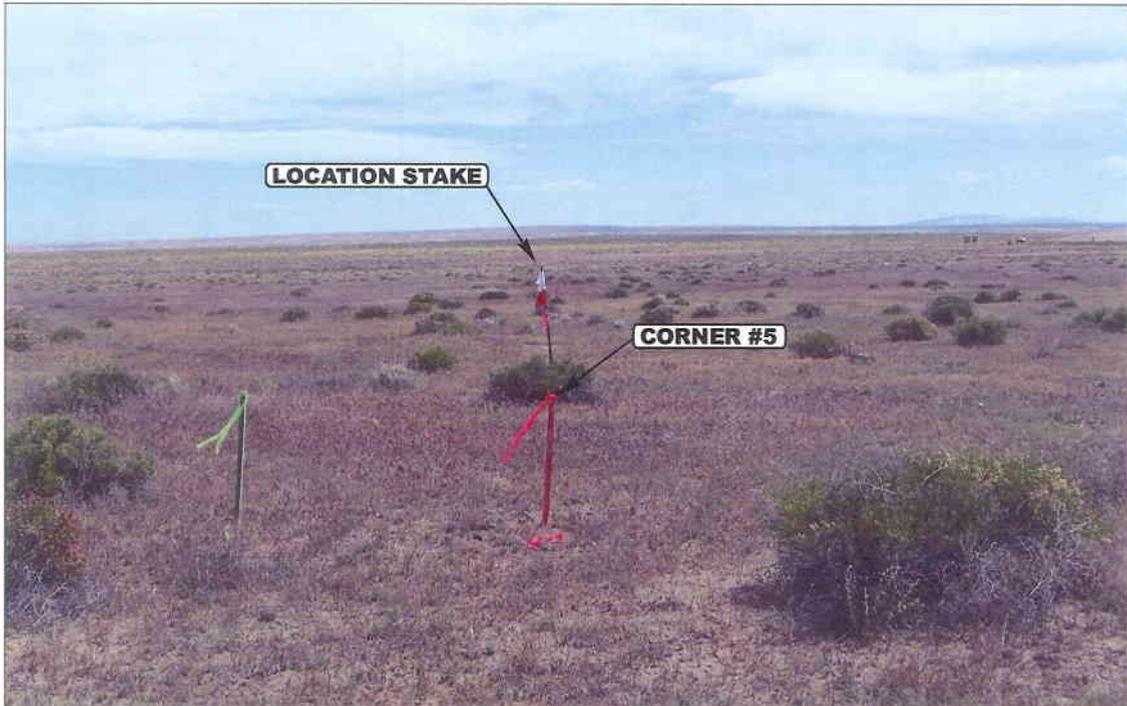


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

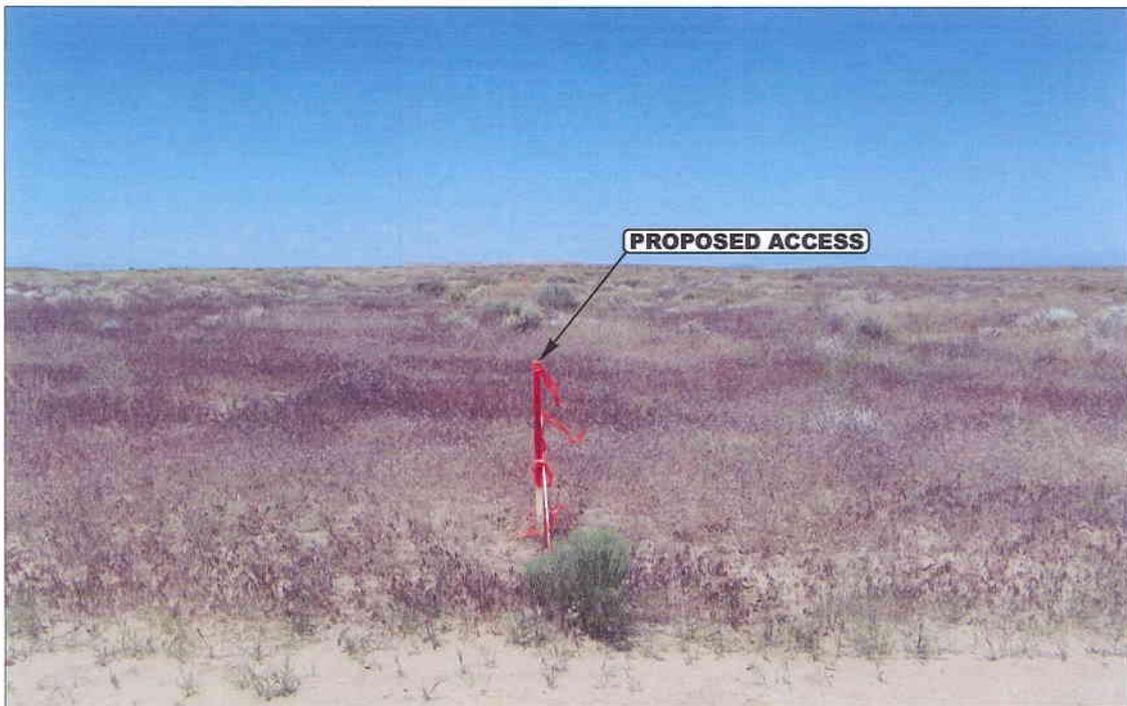


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



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

- Since 1964 -

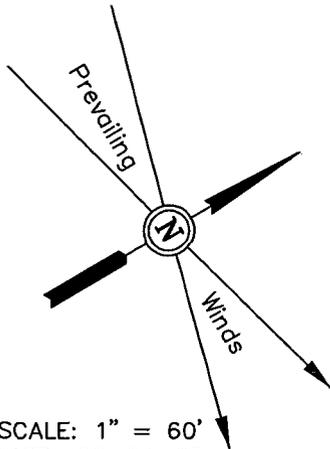
LOCATION PHOTOS	06	04	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.A.	DRAWN BY: L.K.		REVISED: 00-00-00	

QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

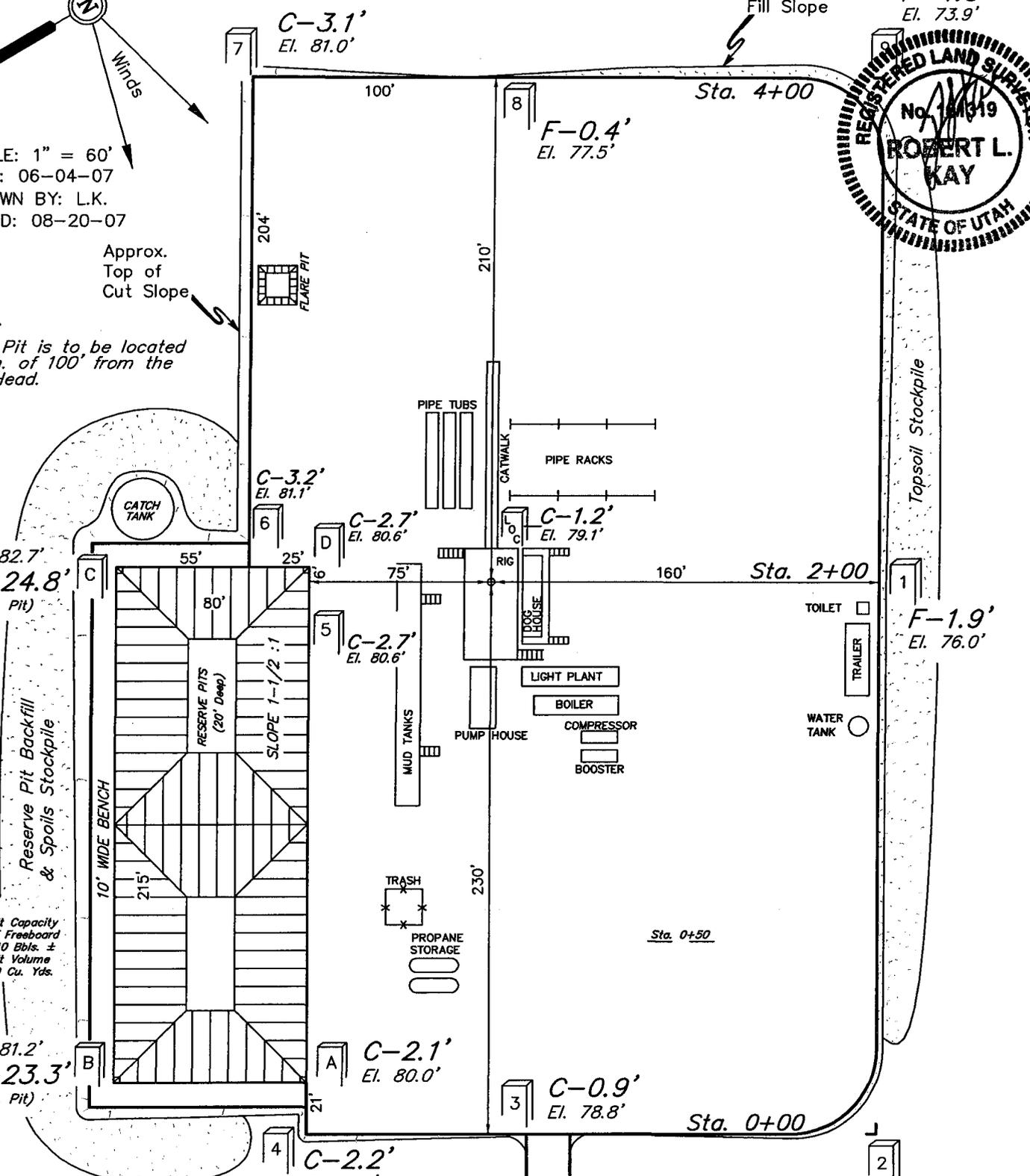
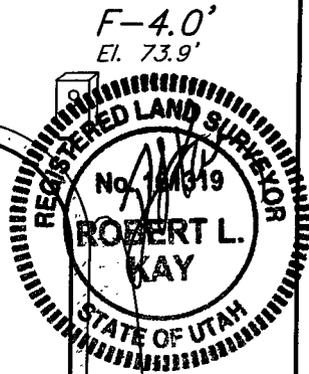
GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL



SCALE: 1" = 60'
DATE: 06-04-07
DRAWN BY: L.K.
REVISED: 08-20-07

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

Approx. Toe of Fill Slope



El. 82.7'
C-24.8'
(Btm. Pit)

C-3.2'
El. 81.1'

C-2.7'
El. 80.6'

C-1.2'
El. 79.1'

C-2.7'
El. 80.6'

El. 81.2'
C-23.3'
(Btm. Pit)

C-2.1'
El. 80.0'

C-0.9'
El. 78.8'

C-2.2'
El. 80.1'

F-1.9'
El. 76.0'

F-1.8'
El. 76.1'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4779.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 4777.9'

Proposed Access Road

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

QUESTAR EXPLR. & PROD.

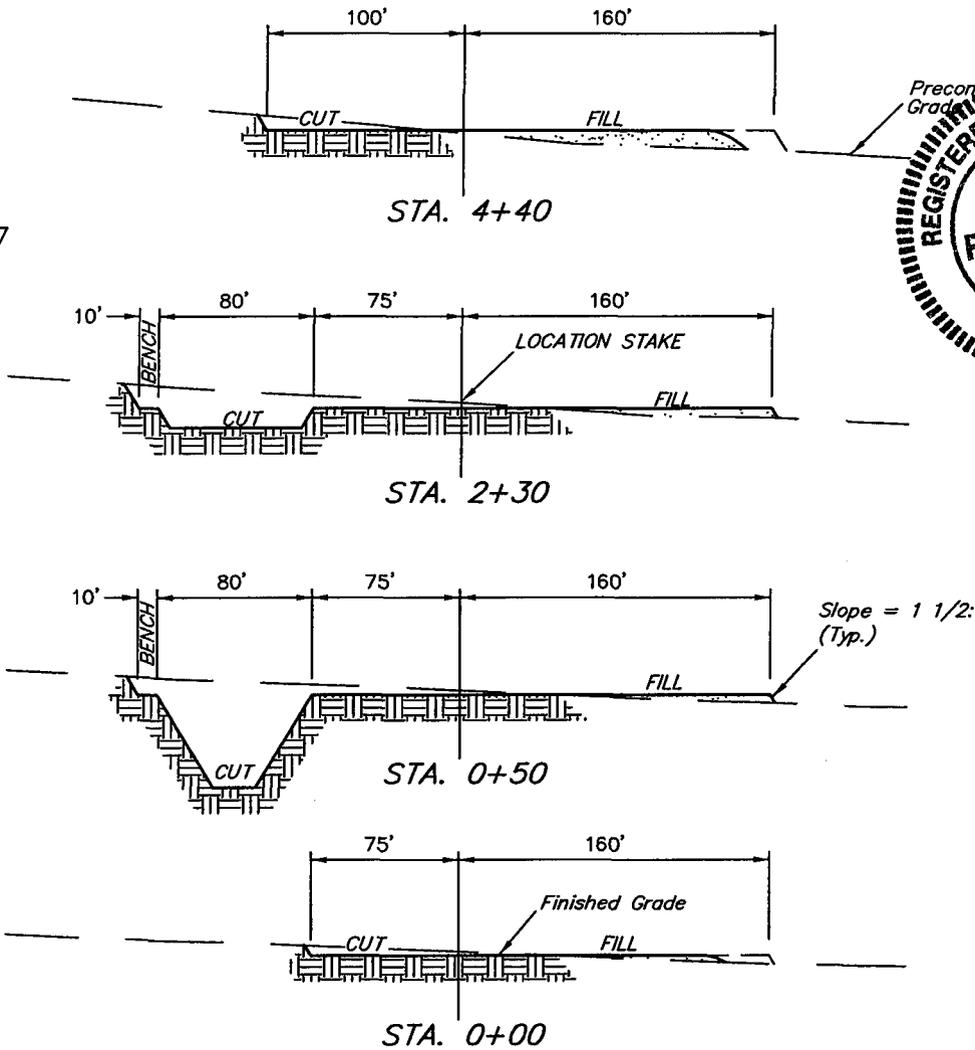
TYPICAL CROSS SECTIONS FOR

GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL

FIGURE #2

X-Section Scale
1" = 50'

SCALE: 1" = 60'
DATE: 06-04-07
DRAWN BY: L.K.
REVISED: 08-20-07



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.961 ACRES
ACCESS ROAD DISTURBANCE = ± 0.477 ACRES
PIPELINE DISTURBANCE = ± 3.688 ACRES
TOTAL = ± 8.126 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 = 5,160 Cu. Yds.
Remaining Location = 9,070 Cu. Yds.
TOTAL CUT = 14,230 CU.YDS.
FILL = 5,970 CU.YDS.

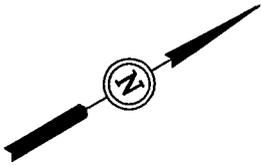
EXCESS MATERIAL = 8,260 Cu. Yds.
Topsoil & Pit Backfill = 8,260 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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

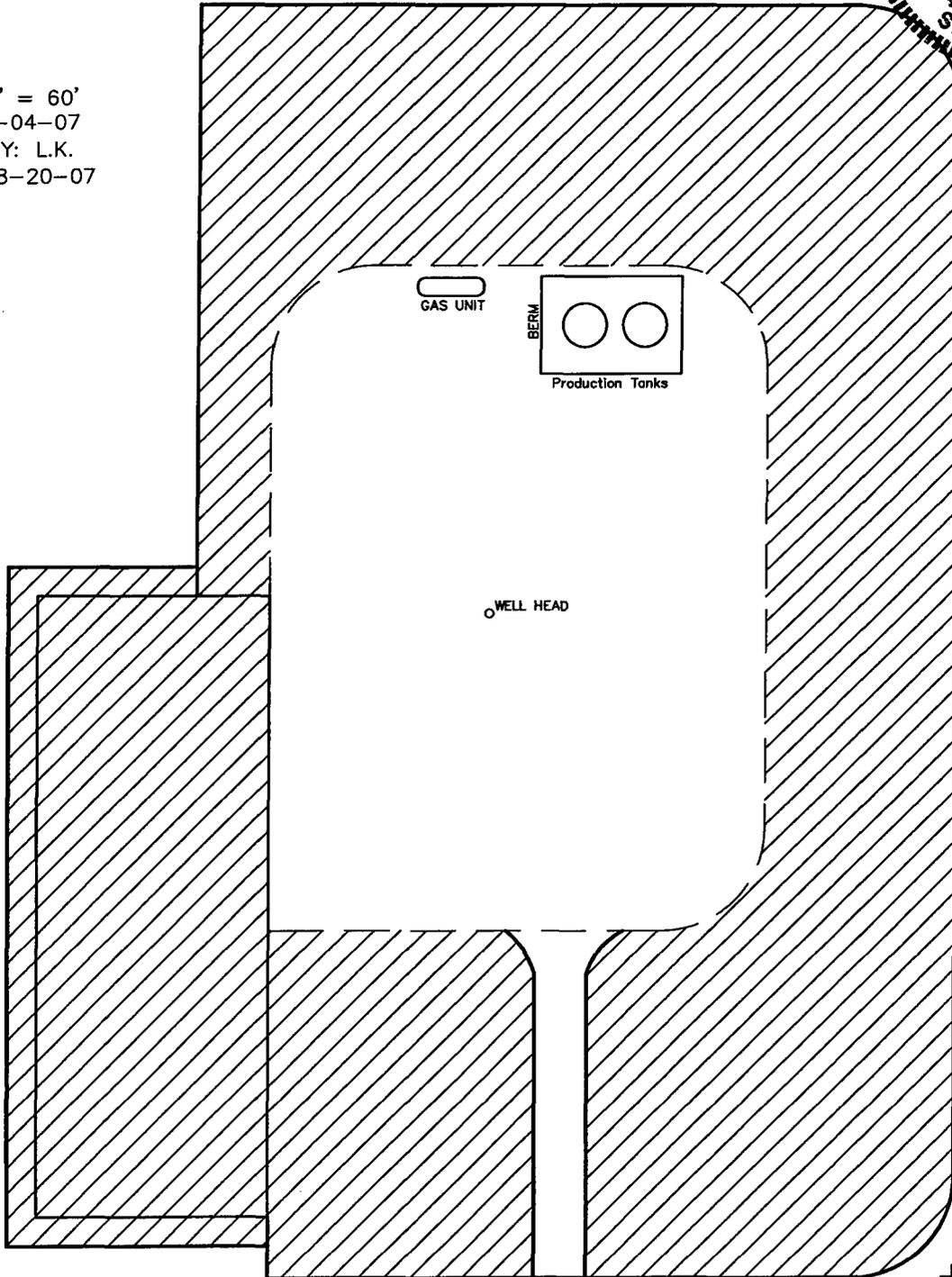
QUESTAR EXPLR. & PROD.
INTERIM RECLAMATION PLAN FOR

FIGURE #3

GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL

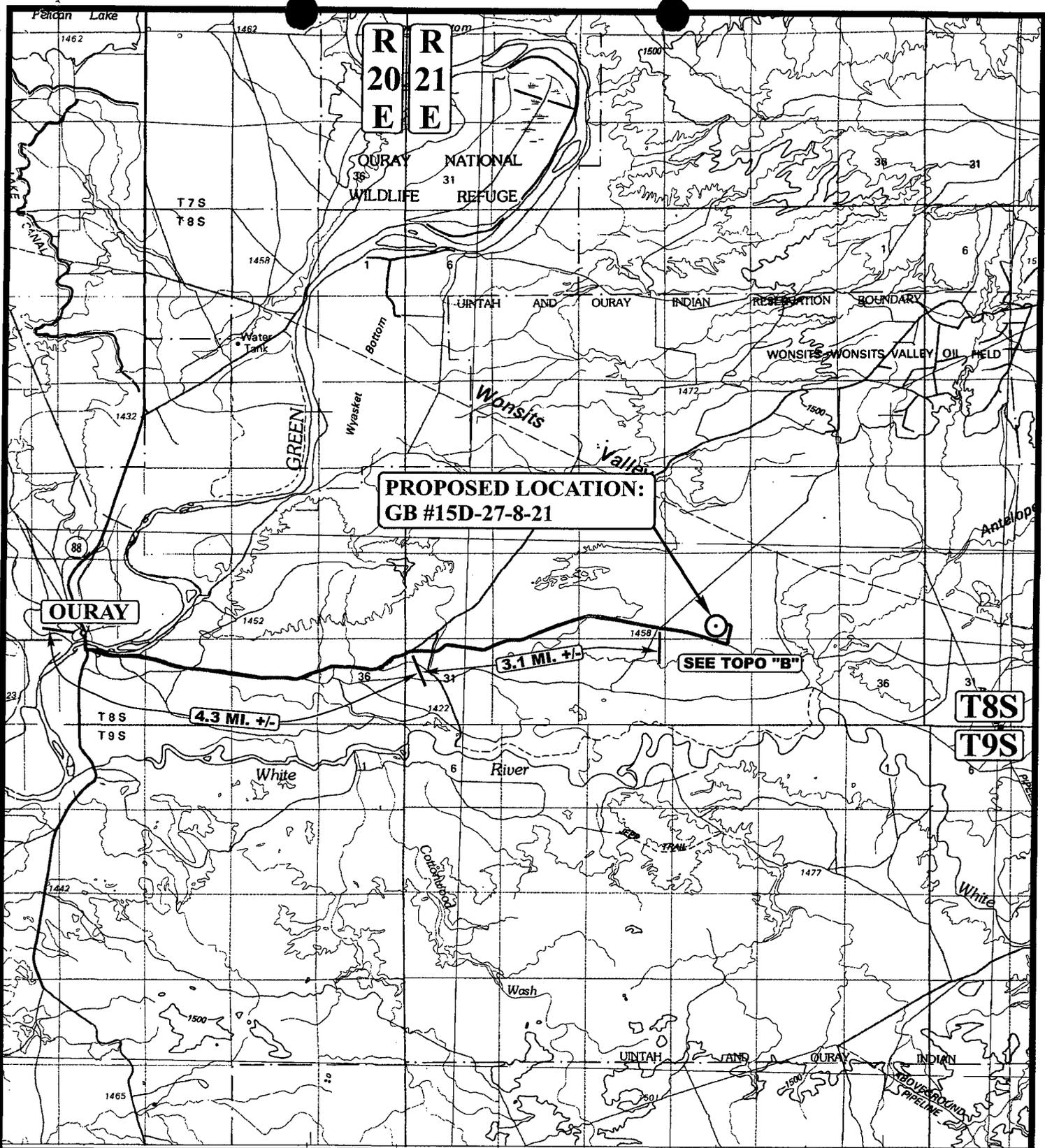


SCALE: 1" = 60'
DATE: 06-04-07
DRAWN BY: L.K.
REVISED: 08-20-07



 INTERIM RECLAMATION

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



LEGEND:

○ PROPOSED LOCATION



QUESTAR EXPLR. & PROD.

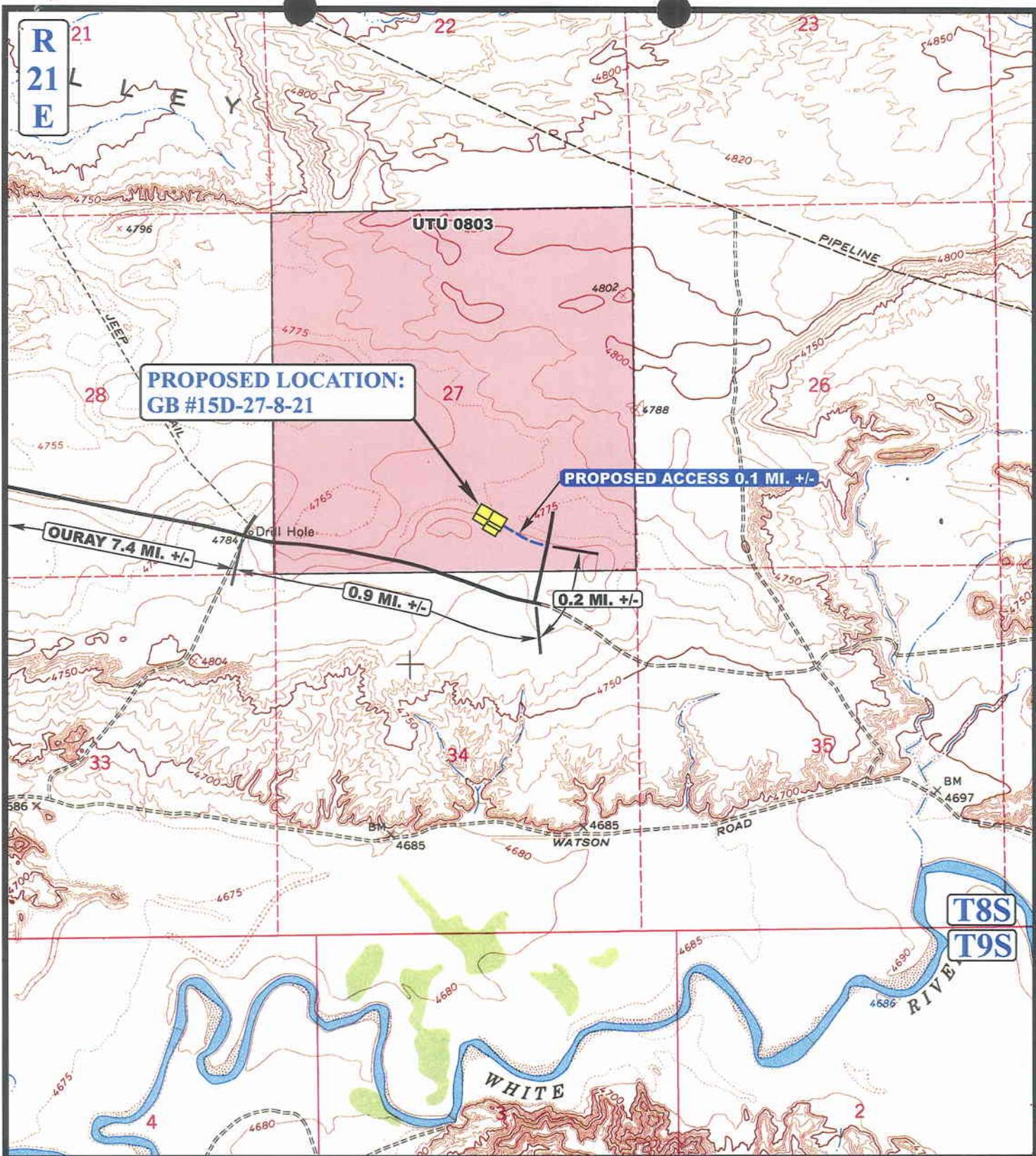
GB #15D-27-8-21
 SECTION 27, T8S, R21E, S.L.B.&M.
 766' FSL 2160' FEL



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

TOPOGRAPHIC 06 04 07
 MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



QUESTAR EXPLR. & PROD.

GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL



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

TOPOGRAPHIC
MAP

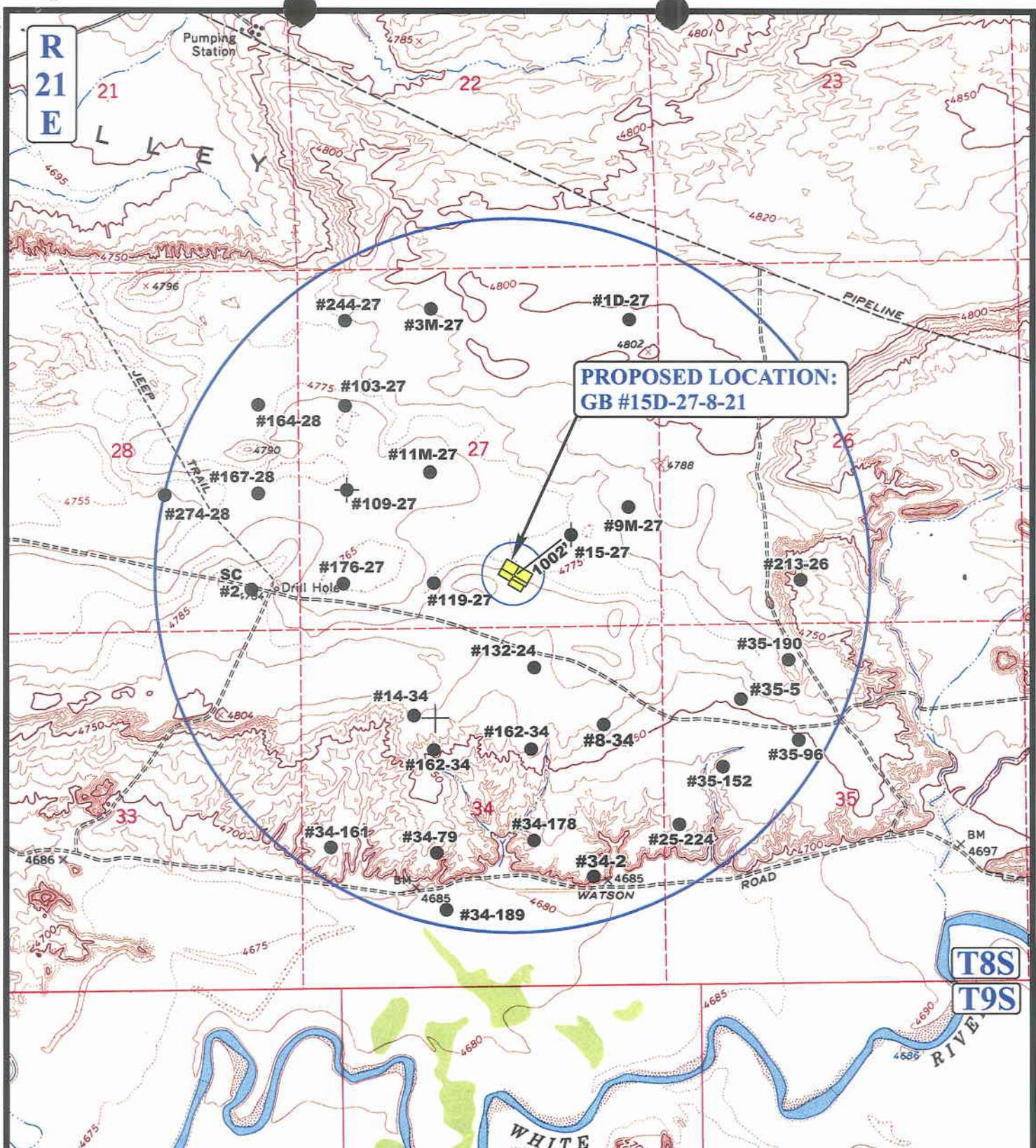
06 04 07
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: L.K.

REVISED: 00-00-00





**PROPOSED LOCATION:
GB #15D-27-8-21**

LEGEND:

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



QUESTAR EXPLR. & PROD.

**GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL**

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

TOPOGRAPHIC MAP 06 04 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00

C
TOPO

R
21
E

UTU 0803

4802

EXISTING PIPELINE

27

4800

4788

PROPOSED LOCATION:
GB #15D-27-8-21

PROPOSED ACCESS ROAD

TIE-IN POINT

PROPOSED PIPELINE

Drill Hole

4784

4775

4804

4750

34

T8S

APPROXIMATE TOTAL PIPELINE DISTANCE = 5,422' +/-

LEGEND:

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

QUESTAR EXPLR. & PROD.

GB #15D-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
766' FSL 2160' FEL



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

TOPOGRAPHIC
MAP

06 04 07
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/27/2007

API NO. ASSIGNED: 43-047-39662

WELL NAME: GB 15D-27-8-21
 OPERATOR: QUESTAR EXPLORATION & (N5085)
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

SWSE 27 080S 210E
 SURFACE: 0766 FSL 2160 FEL
 BOTTOM: 0766 FSL 2160 FEL
 COUNTY: UINTAH
 LATITUDE: 40.08893 LONGITUDE: -109.5375
 UTM SURF EASTINGS: 624682 NORTHINGS: 4438442
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0803
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: DKTA
 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. 49-2153)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

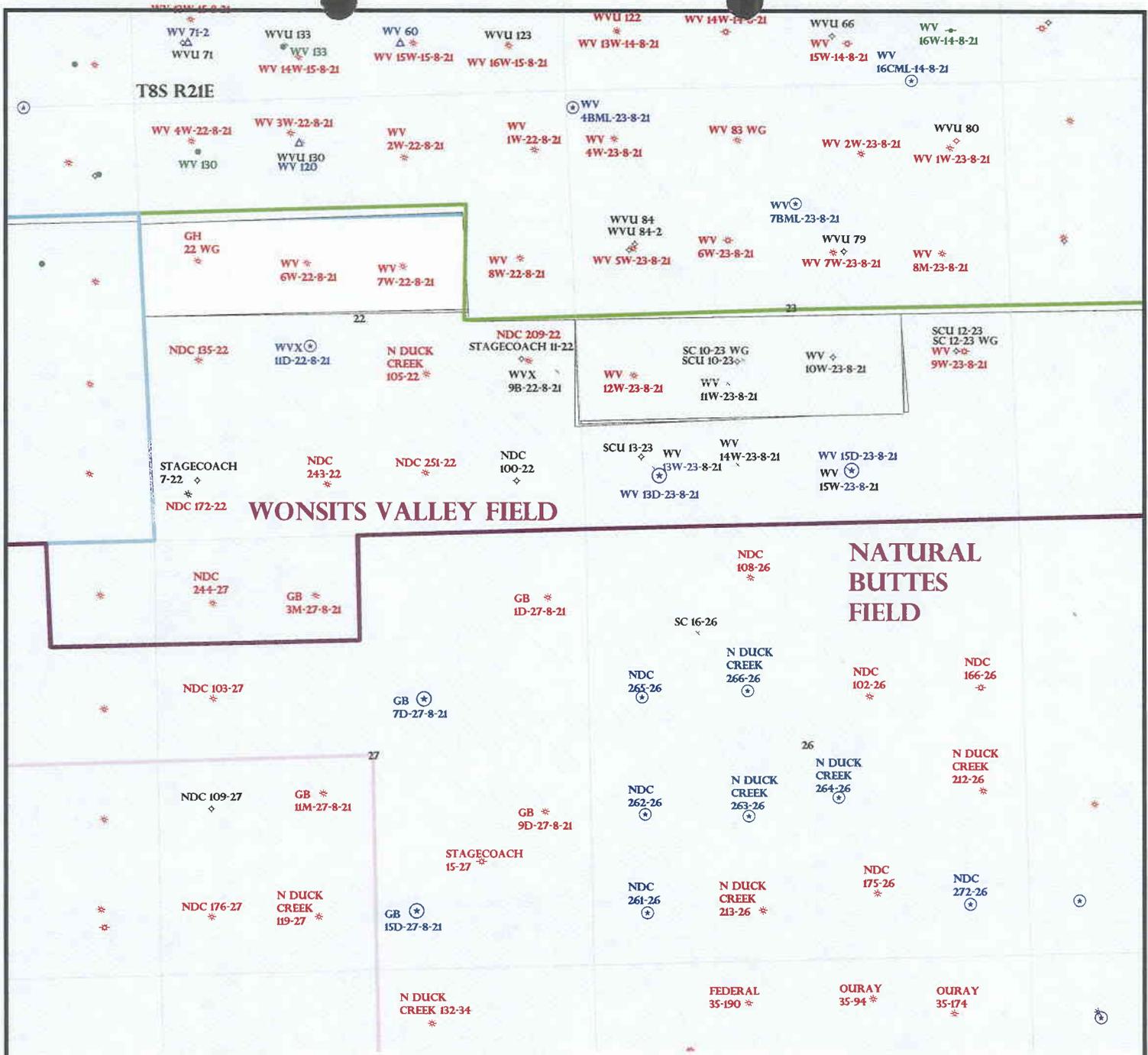
LOCATION AND SITING:

- _____ 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 - Spacing Slip
2 - Federal Approval*



OPERATOR: QUESTAR EXPL & PROD (N5085)

SEC: 27 T.8S R. 21E

FIELD: NATURAL BUTTES (630)

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: 28-SEPTEMBER-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

October 1, 2007

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

Re: GB 15D-27-8-21 Well, 766' FSL, 2160' FEL, SW SE, Sec. 27, T. 8 South, R. 21 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 43-047-39662.

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 GB 15D-27-8-21

API Number: 43-047-39662

Lease: UTU-0803

Location: SW SE **Sec.** 27 **T.** 8 South **R.** 21 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**

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-0803
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 E 17500 S VERNAL, UT 84078		8. FARM OR LEASE NAME, WELL NO. GB 15D-27-8-21
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 766' FSL 2160' FEL, SWSE, SECTION 27, T8S, R21E At proposed production zone		9. API NUMBER: 43-047-39662
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 8 +/- MILES EAST OF OURAY, UTAH		10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 766' +/-		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC. 27, T8S, R21E Mer SLB
16. NO. OF ACRES IN LEASE 1280.00		12. COUNTY OR PARISH Uintah
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE UT
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 1002' +/-		20. BLM/BIA Bond No. on file ESB000024
19. PROPOSED DEPTH 16,400'		21. ELEVATIONS (Show whether DF, RT, GR, ect.) 4779.1' GR
22. DATE WORK WILL START ASAP		23. Estimated duration 70 Days
24. Attachments		

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

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

RECEIVED
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 VERNAL FIELD OFFICE
 11-20-2007

SIGNED *Jan Nelson* Name (printed/typed) Jan Nelson DATE 9-25-07

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *[Signature]* TITLE Assistant Field Manager DATE 11-20-2007
VERNAL FIELD OFFICE Lands & Mineral Resources
 *See Instructions On Reverse Side

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

NOTICE OF APPROVAL **RECEIVED APPROVAL ATTACHED** **CONFIDENTIAL**

DEC 05 2007

DIV. OF OIL, GAS & MINING

NOS 7/24/07
07PP2614A



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

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Questar Exploration & Production Co. **Location:** SWSE, Sec 27, T8S, R21E
Well No: GB 15D-27-8-21 **Lease No:** UTU-0803
API No: 43-047-39662 **Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(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	
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

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	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 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 should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should 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 should 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 tanks Desert Tan
 - Apply rock and gravel.
 - For any other additional stipulations, see concurrence letter.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- The operator is required to use '10,000' psi annular preventer for the specified BOP 10M system.
- A casing shoe integrity test shall be performed before Drilling more than twenty feet below the casing shoe on the intermediate and liner casing.
- Intermediate casing 9 5/8" cement shall be brought up and into the surface.
- For casing intermediate liner installation, casing liner is to be installed and tested to the standards of Onshore Order #2. The operator specified casing liner lap overlap interval length is 500 ft.
- Production casing cement shall be brought up and into the intermediate casing shoe 9 5/8". The minimum cement top is 1000 ft above the intermediate liner top 7".
- A cement Bond Log (CBL) shall be run from the production casing shoe to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

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

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

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: QUESTAR E&P COMPANY

Well Name: GB 15D-27-8-21

Api No: 43-047-39662 Lease Type: FEDERAL

Section 27 Township 08S Range 21E County UINTAH

Drilling Contractor _____ RIG # _____

SPUDDED:

Date 04/26/08

Time NOON

How DRY

Drilling will Commence: _____

Reported by KERRY SALES

Telephone # (801) 598-5087

Date 04/28/08 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.	UTU-0803
6. If Indian, Allottee or Tribe Name	UTE TRIBE
7. If Unit or CA, Agreement Designation	N/A
8. Well Name and No.	GB 15D 27 8 21
9. API Well No.	43-047-39662
10. Field and Pool, or Exploratory Area	NATURAL BUTTES
11. County or Parish, State	UINTAH

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)
766' FSL, 2160' FEL, SWSE, SEC 27-T8S-R21E

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 4/26/08 - Drilled 90' of 30" conductor hole. Set 90' of 20" conductor pipe. Pressure cmtd W/ Pro Petro.

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

RECEIVED
APR 30 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed Dahn F. Caldwell Title Office Administrator II Date 4/28/08

(This space for Federal or State office use)

Approved by: _____ Title _____

Conditions of approval, if any _____

CONFIDENTIAL

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

OPERATOR: **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
	99999	16830	43-047-39662	GB 15D 27 8 21	SWSE	27	8S	21E	Uintah	4/26/08	4/30/08

WELL 1 COMMENTS: *DKTA*

CONFIDENTIAL

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)

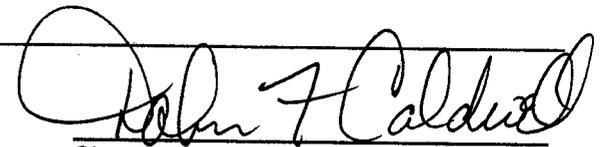
NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED

APR 30 2008

DIV. OF OIL, GAS & MINING



Signature

Office Administrator II
Title

4/28/08
Date

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

CONFIDENTIAL

43-047-39662
27 8s 21e

CONFIDENTIAL

QUESTAR

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR
 Start: 4/28/2008
 Rig Release: 4/30/2008
 Rig Number: 8
 Spud Date: 4/26/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/29/2008	06:00 - 08:00	2.00	DRL	1	DRLCON	DRILL 90' OF 30" HOLE AND SET 20" PIPE AND PRESSURE CEMENT WITH 15.8 PPG, YEALD 1.15, 5 GAL/SK, 450 SK, 92.1 BBL.
	08:00 - 10:00	2.00	LOC	4	MIRU	MOVE IN AND RIG UP ROTARY TOOLS.
	10:00 - 01:00	15.00	DRL	9	DRLSUR	DRILL 17 1/2" HOLE FROM 90' TO 560'. 470'. BLOW DOWN AND LOAD HOLE. LAY DOWN DRILL PIPE.
	01:00 - 02:30	1.50	CSG	2	CSGSUR	RUN 13 3/8", 54.5#, K-55, ST&C AS FOLLOWS: RAN 13 JOINTS 11 RANGE 3 AND 2 RANGE 2. SHOE AT 530' GROUND LEVEL MEASUREMENTS. FLOAT COLLAR AT 505.30'. RAN 3 CENTRALIZERS FROM 520' TO 438' AND ONE AT 126'.
5/8/2008	02:30 - 04:00	1.50	CMT	2	CSGSUR	PRE JOB SAFETY MEETING AND CEMENT AS FOLLOWS: PUMP 70 BBL OF WATER AND 20 BBL OF GEL PRE FLUSH. TAIL 102.4 BBL, 500 SKS, 15.8 PPG, YEALD 1.15, 5 GAL/SK WATER. DISPLACE WITH 78.4 BBL/WATER, PLUG BUMPED AND FLOATS HELD. 1 BBL BACK. 22 BBL OF GOOD CEMENT BACK.
	04:00 - 06:00	2.00	WOT	1	CSGSUR	WAIT ON CEMENT. RIG RELEASED AND OFF LOCATION 4/30/2008.
5/9/2008	18:00 - 06:00	12.00	LOC	3	RDMO	CONTINUE TO RIG DOWN TOP DRIVE SERVICE LOOP RIG DOWN RIG FLOOR, CLEAN FLOOR BEAMS, RIG DOWN BACK YARD, BLOW DOWN BRAKE COOLER, TIE BACK LINES IN DERRICK HOOK UP PUSH OVER LINES PREPARE TO LAY OVER DERRICK
	06:00 - 18:00	12.00	LOC	4	MIRU	CONTINUE TO RIG DOWN BRIDLE UP LAY OVER DERRICK @ 1000 HRS, UNSPOOL DRAWWORKS, RIG DOWN SUBS, GENERATORS, FINISHING RIGGING DOWN BACK YARD 90 % RIGGED DOWN
5/10/2008	18:00 - 06:00	12.00	LOC	4	MIRU	WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	RDMO	RIG DOWN CAMP MOVE CAMP TO NEW LOCATION & RIG UP FINISHED @ 1530 HRS, MOVE BACK YARD, RIG DOWN MONKEY BOARD, MOVE PUMPS, GRASS HOPPER, SCR GAS BUSTER SUCTION TANKS & RESEVE TANKS DRILLER OFF SIDE DOG HOUSE TO NEW LOCATION 85 % RIG LOADS ON NEW LOCATION 15 % RIG REMAINS ON OLD LOCATION
5/11/2008	18:00 - 06:00	12.00	LOC	4	RDMO	WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	MIRU	MOVE DERRICK & SUB STRUCTURE FROM OLD LOCATION ARRIVED ON NEW LOCATION @ 1545 HRS, SPOT SUB MATS, SET SUBS, N/UP BOP STACK, SET CHOKE HOUSE, MUD TANKS & SET IN CAT WALKS IN SUB
5/12/2008	18:00 - 06:00	12.00	LOC	3	MIRU	NOTE : MOVE DERRICK IN ONE PIECE TOTAL 5 MILES IN 25 MINUTES.
	06:00 - 18:00	12.00	LOC	4	MIRU	100 % MOVE FROM OLD LOCATION 35 % RIGGED UP WAIT ON DAY LIGHT
5/13/2008	18:00 - 06:00	12.00	LOC	4	MIRU	SET IN MOTOR PACKAGE, WATER TANKS, MUD PUMPS, DRILLERS SIDE DOG HOUSE, SET FUEL TANK, HOPPER HOUSE, SET IN DERRICK & PIN TO RIG FLOOR
	06:00 - 18:00	12.00	LOC	4	MIRU	NOTE: ATTEMPT TO PICK UP DERRICK SMALL CRANE WAS UNABLE TO LIFT CROWN STECTION STRING EXTRA LINES ON SMALL CRANE CONTINUE TO RIG UP RAISE A LEGS SECTION WAIT ON DAY LIGHT
5/13/2008	18:00 - 06:00	12.00	LOC	4	MIRU	INSPECTED THE DRAWWORKS DRUM BEARINGS FOUND ALL BOLTS ON BRAKE DRUM HOUSING BOLTS LOOSE RE-TORQUE & CALB. MAIN BRAKE DRUM BEARING - OK
	06:00 - 18:00	12.00	LOC	4	MIRU	85 % RIGGED UP HOOK UP ALL ELECTRIC LINES, SET GAS BUSTER, STRING UP BLOCKS, M/UP FLOW LINE ON SHAKE TANK

RECEIVED
JUL 08 2008

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/13/2008	06:00 - 18:00	12.00	LOC	4	MIRU	& SUCTION LINES FOR MUD PUMPS, START UP # 1 & # 2 GEN. # 3 WOULD NOT START CALL TECH. HE WILL BE COMING OUT FIRST THING IN THE MORNING.
5/14/2008	18:00 - 06:00	12.00	LOC	4	MIRU	WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	MIRU	FINSIHNG RIGGING UP BACK YARD & MUD PITS, 30 MIN LOAD TEST ON DERRICK RAISE DERRICK & PIN TO A LEGS @ 1030 HRS, UNBRIDLE FROM BLOCKS, HOOK UP GAS BUSTER LINES TO FLOW LINE, PICK UP & M/UP TOP DRIVE RAILS & CONTINUE RIGGING UP
5/15/2008	18:00 - 06:00	12.00	LOC	4	MIRU	WAIT ON DAY LIGHT
	06:00 - 06:00	24.00	LOC	4	MIRU	PICK UP TOP DRIVE, HANG SERVICE LOOP & ATTACH TO TOP DRIVE & TOP DRIVE HOUSE, RIG UP CHOKE LINE, WORK ON REPLACING GASKETS IN MUD PITS, MIX KCL WATER, CARRY OUT END PLAY CHECK ON TOP DRIVE BY UNITS MECHANIC OBSERVE WATER LEAK F/ DRAWWORKS END OF SPEAR REPLACE SNUFFING BOX PACKING ON DRILLER SIDE RIG UP TONGS TO TORQUE UP CONNECTION ON TOP DRIVE
5/16/2008	06:00 - 13:00	7.00	LOC	4	MIRU	RIG UP FLARES LINES TO FLARE BOX, CHANGE OUT HIGH PRESSURE BEARING ASSEMBLY TO LOW PRESSURE, HOOK UP KOOMEY HOSES TO BOPS, RIG UP LOAD CELL, INSTALL ROTATING MOUSE HOLE, REPLACE BUTTERFLY VALVE ON BOTTOM OF GAS BUSTER (DAMAGED DURING RIG MOVE) INSTALL SLIDES FOR CUTTINGS & FUNCTION TEST BOPS
	13:00 - 18:00	5.00	BOP	1	DRLIN1	NIPPLE UP BOPS & TIGHTEN BOLTS
5/17/2008	18:00 - 03:00	9.00	BOP	2	DRLIN1	TEST BOP 5,000 PSI HIGH AND 250 LOW, TOP & BOTTOM PIPE RAMS BLIND RAMS CHOKE MANIFOLD HCR TEST CASING TO 1500 PULL TEST PLUG & RIG DOWN TESTERS
	03:00 - 06:00	3.00	TRP	1	DRLIN1	LAY OUT BHA & STRAP SAME
	06:00 - 07:30	1.50	TRP	2	DRLIN1	INSTALL WEAR BUSHING
	07:30 - 11:00	3.50	TRP	1	DRLIN1	PICK UP BHA
	11:00 - 13:00	2.00	OTH	1	DRLIN1	TRIP TO LANDING COLLAR @ 507' CEMENET CELLAR
	13:00 - 15:00	2.00	DRL	1	DRLIN1	DRILL OUT SHOE TRACK & 10' OF NEW 12.25 HOLE
	15:00 - 16:30	1.50	EQT	2	DRLIN1	CIR. HOLE CLEAN & PREFROM FIT EQUAL. TO 10.5 PPG
	16:30 - 18:00	1.50	TRP	2	DRLIN1	TRIP OUT OF HOLE
	18:00 - 22:30	4.50	TRP	1	DRLIN1	MAKE UP HOLE OPENER BHA & TRIP IN HOLE TO 565'
	22:30 - 23:30	1.00	RIG	1	DRLIN1	RIG SERVICE
5/18/2008	23:30 - 06:00	6.50	DRL	1	DRLIN1	DRILL F/ 565' TO 1060' (495' @ 76.2' P/HR) WOB 12 TO 14 MUD WT 8.6 PPG VIS 26
	06:00 - 10:30	4.50	DRL	1	DRLIN1	DRILL F/ 1060' TO 1430' (370' @ 83' P/HR) WOB 15 DHRPM 245 MUD WT 8.8 VIS 29 W/ NO LOSSES
	10:30 - 11:00	0.50	RIG	1	DRLIN1	RIG SERVICE
	11:00 - 12:00	1.00	DRL	1	DRLIN1	DRILL F/ 1430' TO 1521' (91' @ 91' P/HR) WOB 15 DHRPM 245 MUD WT 8.8 VIS 30
	12:00 - 13:00	1.00	CIRC	1	DRLIN1	CIR. HOLE CLEAN & WIRE LINE @ 1445' (.9 DEG) DIR. @ 261
	13:00 - 22:00	9.00	DRL	1	DRLIN1	DRILL F/ 1521' TO 2184' (663' @ 83' P/HR) WOB 15 DHRPM 245 MUD WT 8.9 VIS 31 W/ NO LOSSES
5/19/2008	22:00 - 23:00	1.00	CIRC	1	DRLIN1	CIR. & CLEAN HOLE SURVEY @ 2145' (.5 DEG) DIR. @ 220
	23:00 - 06:00	7.00	DRL	1	DRLIN1	DRILL F/ 2184' TO 2450' (266' @ 38' P/HR) WOB 20 DHRPM 250 MUD WT 8.9 VIS 32 W/ NO LOSSES
	06:00 - 18:00	12.00	DRL	1	DRLIN1	DRILL F/ 2450' TO 3022' (572' @ 48' P/HR) WOB 20 TO 22 DHRPM 245 MUD WT 9 VIS 32 W/ NO LOSSES TORQUE F/ 10 TO 12000 ON BOTTOM
	18:00 - 18:30	0.50	DRL	1	DRLIN1	DRILL F/ 3022' TO 3040 (18') WOB 22 DHRPM 245 MUD WT 9 VIS

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 Rig Release: 4/30/2008
 Rig Number: 8

End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/19/2008	18:00 - 18:30	0.50	DRL	1	DRLIN1	31
	18:30 - 19:30	1.00	SUR	1	DRLIN1	CIR. & CLEAN HOLE WIRE LINE SURVEY @ 3010' @ 1 DEG DIR. 168
	19:30 - 06:00	10.50	DRL	1	DRLIN1	DRILL F/ 3040' TO 3425' (385' @ 36.7' P/HR) WOB 22 TO 24 DHRPM 245 MUD WT 9 VIS 31 W/ NO LOSSES
5/20/2008	06:00 - 07:00	1.00	DRL	1	DRLIN1	DRILL F/ 3410' TO 3424' (14' @ 14' P/HR) WOB 23 TO 25 DHRPM 255 MUD WT 9.1 VIS 31 W/ NO LOSSES UNABLE TO DRILL DUE TO HIGH TORQUE
	07:00 - 08:00	1.00	CIRC	1	DRLIN1	CIR. BOTTOMS UP FLOW CHECK WELL STATIC PUMP SLUG
	08:00 - 10:30	2.50	TRP	2	DRLIN1	TRIP OUT OF HOLE W/ HOLE OPENER ASSEMBLY W/ NO TIGHT HOLE OR PROBLEMS
	10:30 - 11:30	1.00	TRP	1	DRLIN1	LAY DOWN HOLE OPENER, 6.5 MUD MOTOR, 8 3/4 BIT & 12 1/8 IBS M/U SLICK 9" MUD MOTOR W/ REED 12.25 BIT.
	11:30 - 13:30	2.00	TRP	2	DRLIN1	TRIP IN HOLE
	13:30 - 15:00	1.50	RIG	2	DRLIN1	REPAIR TOP DRIVE
	15:00 - 16:00	1.00	REAM	1	DRLIN1	WASH & REAM F/ 3239' TO BOTTOM 3424'
	16:00 - 17:00	1.00	RIG	1	DRLIN1	RIG SERVICE
	17:00 - 18:00	1.00	DRL	1	DRLIN1	DRILL F/ 3424' TO 3455' (31' @ 31' P/HR) WOB 18 DHRPM 90 MUD WT 9.1 VIS 32
	18:00 - 06:00	12.00	DRL	1	DRLIN1	DRILL F/ 3455' TO 3865' (410' @ 34.2' P/HR) WOB 20 TO 25 DHRPM 90 MUD WT 9.2 VIS 32 W/ NO LOSSES
5/21/2008	06:00 - 17:00	11.00	DRL	1	DRLIN1	DRILL F/ 3865' TO TD @ 4165' (300' @ 28' P/HR) WOB 20 TO 25 MUD WT 9.2 VIS 32 W/ NO LOSSES
	17:00 - 17:30	0.50	CIRC	1	DRLIN1	CIR. & CLEAN HOLE (SHAKER CLEAN)
	17:30 - 18:30	1.00	TRP	2	DRLIN1	WIPER TRIP NO HOLE PROBLEMS HOLE IS IN VERY GOOD CONDITION
	18:30 - 19:30	1.00	CIRC	1	DRLIN1	PUMP & CIR. SWEEP & CLEAN HOLE CLEAN FLOW CHECK OK
	19:30 - 22:00	2.50	TRP	2	DRLIN1	PUMP SLUG DROP SURVEY
	22:00 - 23:30	1.50	TRP	1	DRLIN1	TOOH STRAP DRILL PIPE NO CORRECTION
	23:30 - 00:00	0.50	TRP	2	DRLIN1	L/D 8" DRILL COLLARS, MONEL & MOTOR
	00:00 - 03:00	3.00	CSG	1	DRLIN1	PULL WEAR BUSHING
	03:00 - 06:00	3.00	CSG	2	DRLIN1	RUP ROCKY MOUNTAIN CASING CREW, P/UP MACHINE & FRANKS TORQUE TURN HOLD SAFETY MEETING
	06:00 - 10:30	4.50	CSG	2	CSGIN1	M/UP SHOE TRACK CHECK FLOAT EQUIPMENT OK RUN IN HOLE W/ 9 5/8 CASING
5/22/2008	10:30 - 11:30	1.00	CSG	1	CSGIN1	RUN 95 JOINTS OF 9 5/8", 46.1#, P-110, SLIJ-II-SMLS CASING AS FOLLOWS: SHOE AT 4145', FLOAT COLLAR AT 4054'. RAN 28 CENTRALIZERS EVERY 120' +-, 2 ON SHOE TRACT.
	11:30 - 14:00	2.50	OTH	1	CSGIN1	RIG DOWN CASING CREWS/ BREAK CIRCULATION.
	14:00 - 16:00	2.00	CIRC	1	CSGIN1	INSTALL CASING HEAD PACK OFF AND CEMENT ISOLATION TOOL. TESTED CEMENT PACK OFF TO 5000 PIS FOR 15 MINUTES.
	16:00 - 19:00	3.00	CMT	2	CSGIN1	PRE JOB SAFETY MEETING. INSTALL CEMENT HEAD AND CIRCULATE BOTTOMS UP 2.5 TIMES.
	19:00 - 20:00	1.00	CMT	1	CSGIN1	CEMENT 9 5/8" FIRST INTERMEDIATE CASING AS FOLLOWS: PRESSURE TEST LINES TO 8,000 PSI, PUMP SPACER 10BBL. WATER, 50 BBL.S OF SUPER FLUSH, 30 BBL.S OF SCAVENGER CEMENT 7 PPG, PUMP 146 BBL.S 1st LEAD CEMENT 8.5 PPG, PUMP 95 BBL.S 2nd LEAD CEMENT 11 PPG, PUMP 60 BBL. TAIL CEMENT 14.3 PPG, DISPLACE WITH 298 BBL. OF 9.2 PPG MUD, PLUG BUMP AND FLOATS HELD PUMPED 55 BBL.S OF TOP OUT
	20:00 - 21:00	1.00	CMT	1	CSGIN1	RIG DOWN CEMENTERS
	21:00 - 22:00	1.00	RIG	1	CSGIN1	PULL CEMENT ISOLATION TOOL, AND LAY DOWN LANDING JT. WORK ON TOP DRIVE

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/22/2008	22:00 - 23:30	1.50	OTH		CSGIN1	PUT BALES ON TOP DRIVE AND MOUSE HOLE IN TO TEST TEST TOP DRIVE VALVES 250 LOW AND 10,000 HIGH GOOD, PICK UP TEST PLUG AND GET LOW TEST GO TO TEST HIGH COULDN'T GET HIGH TEST, PULL AND INSPECT LOOKED GOOD RESET TEST PLUG AND COULDN'T GET TO SEAL, WENT TO 109 AND BORROWED THERE PLUG, TRY TO TEST LOWER RAMS NO-GO, TRY TO TEST UPPER RAMS TESTED GOOD, (NEED TO CHANGE OUT BOTTOM RAMS)
	23:30 - 04:00	4.50			CSGIN1	
5/23/2008	04:00 - 06:00	2.00	OTH		CSGIN1	CHANGE OUT LOWER PIPE RAMS
	06:00 - 11:00	5.00	BOP	2	DRLIN2	FINISH PUTTING IN NEW RAMS, ATEMPT TO TEST-TEST 500 PSI LOW, 10,000 PSI HIGH NO GOOD, PULLED JOINT OF DRILL PIPE (HAD WASH WHERE RAM SEALED), INSTALLED NEW JOINT AND COUNDN'T GET A TEST, PULLED FLEX PACKERS AND PUT 5" DRILL PIPE RUBBERS IN. (HAD A GOOD TEST)
		11:00 - 14:00	3.00	BOP	2	DRLIN2
	14:00 - 15:30	1.50	TRP	1	DRLIN2	PICK UP BIT MOTOR, MONEL AND DRILL COLLARS (WHILE WAITING ON NEW WEAR BUSHING- EGGED FIRST)
	15:30 - 16:30	1.00	OTH		DRLIN2	INSTALL WEAR BUSHING
	16:30 - 19:00	2.50	TRP	2	DRLIN2	TRIP TAGGED @ 4057
	19:00 - 21:30	2.50	DRL	4	DRLIN2	DRIL OUT FLOAT EQUIPMENT FLOAT 4059 SHOE @ 4147
	21:30 - 22:30	1.00	EQT	2	DRLIN2	CIRCULATE AND PERFORM FIT TEST 9.3 + 868 PSI = 13.3 PPG EQUIV
	22:30 - 06:00	7.50	DRL	1	DRLIN2	DRILL FROM 4175 TO 4340 (ROP 22' HR), WOB 12-25, DHRPM 162, MW 9.2, VIS 34, BG GAS 29
	5/24/2008	06:00 - 15:00	9.00	DRL	1	DRLIN2
15:00 - 15:30		0.50	RIG	1	DRLIN2	SERVICE TOP DRIVE AND BLOCKS SWIVEL--(TOOK OIL SAMPLES OF TOPDRIVE)
15:30 - 18:00		2.50	DRL	1	DRLIN2	DRILL FROM 4,542 TO 4,597 (ROP 22' HR) SAME PERAMETERS
18:00 - 23:30		5.50	DRL	1	DRLIN2	DRILL FROM 4,597 TO 4,732 (ROP 24.5) HAD SOME HOLE SEEPAGE @ 4605' TOOK 17 BBL.S RIGHT AWAY--PUMPED SWEEP AND HEALED UP
23:30 - 00:30		1.00	SUR	1	DRLIN2	SURVEY @ 4657, INC. 1.2, AZ. 161.3
00:30 - 06:00		5.50	DRL	1	DRLIN2	DRILL FROM 4,732 TO 4866 (ROP 24.3' HR) RUN SAME PERRAMETERS
5/25/2008	06:00 - 14:30	8.50	DRL	1	DRLIN2	DRILL FROM 4,866 TO 5,115 (ROP 29.3' HR) WOB 25-27, DHRPM 157, MW 9.0+, VIS 36, BG GAS 43, CONN GAS 192, HAVE SOME BIT BOUNCE DUE TO FORMATION'S
	14:30 - 15:00	0.50	RIG	1	DRLIN2	SERVICE TOP DRIVE, BLOCKS, SWIVEL, CROWN, DRAW-WORKS
	15:00 - 18:00	3.00	DRL	1	DRLIN2	DRILL FROM 5,115 TO 5,211 (ROP 32' HR) WORK SAME PERAMETERS
	18:00 - 19:00	1.00	SUR	1	DRLIN2	SURVEY @ 5137 DIR. 8 AZ 145.4
5/26/2008	19:00 - 06:00	11.00	DRL	1	DRLIN2	DRILL FROM 5,211 TO 5,460 (ROP 22.6' HR)
	06:00 - 13:30	7.50	DRL	1	DRLIN2	DRILL FROM 5,460 TO 5,593 (ROP 17.7' HR) WOB 25-30, DHRPM 140-162, MW 9.1 VIS 36, BG GAS 29 CON GAS 738
	13:30 - 14:00	0.50	RIG	1	DRLIN2	SERVICE TOP DRIVE AND BLOCKS AND SWIVEL
	14:00 - 16:00	2.00	DRL	1	DRLIN2	DRILL FROM 5,593 TO 5,616 (ROP 11.5' HR) WORK ALL DIFFERNT PERRAMETERS, HAVING SOME BIT BOUNCE
	16:00 - 16:30	0.50	SUR	1	DRLIN2	DROP SURVEY

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/26/2008	16:30 - 19:30	3.00	TRP	10	DRLIN2	PUMP TRIP SLUG AND TRIP OUT OF HOLE
	19:30 - 20:00	0.50	TRP	10	DRLIN2	CHANGE BIT AND CLEAN RIG FLOOR
	20:00 - 23:00	3.00	TRP	10	DRLIN2	TRIP IN HOLE (NO TIGHT SPOTS)
	23:00 - 00:00	1.00	REAM	1	DRLIN2	WASH AND REAM F/ 5497 TO 5,616 (HAD 3' OF OUT OF GAGE HOLE) AND FAN BOTTOM--START OFF WITH LIGHT WEIGHT TO BREAK IN BIT
	00:00 - 06:00	6.00	DRL	1	DRLIN2	DRILL FROM 5,616 TO 5776 (ROP 26 .7' HR.) WOB 5-10, DHRPM 174, MW 9.2, VIS 34, BG GAS 18 -NO FLARES
5/27/2008	06:00 - 13:30	7.50	DRL	1	DRLIN2	DRILL FROM 5,776 TO 5,973 (ROP 26.2' HR) WOB 5-10, DHRPM 175, MW 9.2, VIS 33, BG GAS 75, NO LOSSES--PUMPING SWEEPS
	13:30 - 14:00	0.50	RIG	1	DRLIN2	SERVICE TOP DRIVE BLOCKS, SWIVEL
	14:00 - 21:00	7.00	DRL	1	DRLIN2	DRILL FROM 5,973 TO 6,163 (ROP 27.1' HR) WORKING SAME PERAMETERS
	21:00 - 22:00	1.00	SUR	1	DRLIN2	SURVEY 6092, DEG. 1.2, AZ 152.6
	22:00 - 06:00	8.00	DRL	1	DRLIN2	DRILL 6,163 TO 6,405 (ROP 30.25' HR) WORKING SAME PERAMETERS
5/28/2008	06:00 - 12:30	6.50	DRL	1	DRLIN2	DRILL FROM 6,405 TO 6,545 (ROP 21.5' HR) WOB 5-10,DHRPM 164, MW 9.2, VIS 34, BG 30
	12:30 - 13:00	0.50	RIG	1	DRLIN2	SERVICE TOP DRIVE, SWIVEL, BLOCKS AND CROWN
	13:00 - 04:00	15.00	DRL	1	DRLIN2	DRILL FROM 6,545 TO 7022' (ROP 31.8' HR) WOB 10/12, DHRPM 164, STROKES 65 X2, PSI 2335
	04:00 - 05:00	1.00	SUR	1	DRLIN2	WIRE LINE SURVEY AT 6951'. INC 1.6, AZIMUTH 137.4
	05:00 - 06:00	1.00	DRL	1	DRLIN2	DRILL FROM 7022' TO 7060'(ROP 38' HR.) WORKING SAME PERAMETERS
5/29/2008	06:00 - 11:00	5.00	DRL	1	DRLIN2	DRILL FROM 7,060 TO 7,214 (ROP 30.8' HR) WOB 6-11, DHRPM 175, MW 9.1+, VIS 37, BG GAS 32, CONN GAS 490, (NO LOSSES),
	11:00 - 12:00	1.00	RIG	1	DRLIN2	SERVICE RIG, CHECK OIL IN SWIVEL, GREASE BLOCKS, DRAW-WORKS, SWIVEL, TOP-DRIVE--CHANGED FILTERS ON MUD PUMPS, (FIX LINER WASHER HOSE)
	12:00 - 18:00	6.00	DRL	1	DRLIN2	DRILL FROM 7,214 TO 7360 (ROP 24.3' HR) WOB 10-15, DHRPM 145-175, MW 9.2, VIS 37, BG GAS 35, (NO LOSSES)
	18:00 - 04:30	10.50	DRL	1	DRLIN2	DRILL FROM 7,360 TO 7,611 (ROP 22.7' HR) WOB 5-17, 145-175, MW 9.2, VIS 38, BG GAS HAVE HIGH TORQUE TO NO TORQUE, BIT DIED COULDN'T GET TO DRILL LAST 220' HAD ALOT OF TORQUE--THE GB-9D WELL (200 YARDS AWAY) HAD ALOT OF TORQUE ALSO IN SAME INTERVUL
	04:30 - 05:30	1.00	CIRC	1	DRLIN2	PUMP HI VIS SWEEP AND CIRCULATE OUT OF HOLE
	05:30 - 06:00	0.50	SUR	1	DRLIN2	DROP SURVEY
5/30/2008	06:00 - 09:00	3.00	TRP	13	DRLIN2	TRIP OUT OF HOLE FOR MOTOR FAILURE (6 3/4 BICO), BIT WAS IN GREAT SHAPE, STATOR WAS HANGING 2 3/8" LOWER THAN WHEN PUT INTO HOLE
	09:00 - 10:00	1.00	TRP	1	DRLIN2	LAY DOWN AND PICK UP NEW MOTOR AND BIT AND CLEAN RIG FLOOR
	10:00 - 12:00	2.00	TRP	13	DRLIN2	TRIP IN HOLE TO SHOE BREAK CIRCULATION
	12:00 - 12:30	0.50	OTH		DRLIN2	INSTALL ROTATING RUBBER
	12:30 - 13:00	0.50	CIRC	1	DRLIN2	CIRCULATE BOTTOMS UP AT THE SHOE/ TO GET HEAVY TRIP SLUG OUT OF HOLE
	13:00 - 14:00	1.00	TRP	13	DRLIN2	TRIP IN HOLE TO 7508
	14:00 - 14:30	0.50	REAM	1	DRLIN2	WASH AND REAM FROM 7508 TO 7611(NO FILL)
	14:30 - 06:00	15.50	DRL	1	DRLIN2	DRILL FROM 7611 TO 7930 (ROP 20.5' HR) WOB 10-15, DHRPM 135, MW 9.3, VIS 41, BG GAS 26, CON GAS 140, (NO LOSSES)
5/31/2008	06:00 - 12:00	6.00	DRL	1	DRLIN2	DRILL FROM 7,930 TO 8,083 (ROP 25.5' HR) WOB 10-15, DHRPM

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/31/2008	06:00 - 12:00	6.00	DRL	1	DRLIN2	115-135, MW 9.3, VIS 40, BG GAS 25, CON GAS 125,
	12:00 - 13:00	1.00	RIG	1	DRLIN2	SERVICE TOP DRIVE, BLOCKS, SWIVEL, DRAW-WORKS
	13:00 - 18:00	5.00	DRL	1	DRLIN2	DRILL FROM 8,083 TO 8,196 (ROP 22.6' HR) WOB 10-16, DHRPVM 115-135, MW 9.3, VIS 40, BG 25, CONN GAS 130
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL FROM 8196 TO 8505 (ROP 25.75' HR) WORK THE SAME PERRAMETERS
6/1/2008	06:00 - 11:00	5.00	DRL	1	DRLIN2	DRILL FROM 8,505 TO 8,655 (ROP 30' HR) WOB 15, DHRPM 118, MW 9.3, VIS 40, BG GAS 30, CONN GAS 120
	11:00 - 12:00	1.00	RIG	1	DRLIN2	SERVICE TOP DRIVE, DRAW-WORKS, BLOCKS, SWIVEL, TABLE
	12:00 - 18:00	6.00	DRL	1	DRLIN2	DRILL FROM 8,655 TO 8,838 (ROP 30.5' HR) WOB 15-18, DHRPM 100-120, MW 9.4, VIS 42, BG GAS 40, CON GAS 550
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL FROM 8,838 TO 9160 (ROP 26.8' HR) WORK SAME PERAMETERS BUT HAD SOME BIT BOUNCE @ 8870 CONTROLLING WITH ROT., MW 9.4, VIS. 43, BG GAS 259, CON GAS 2600 12' FLARE--SEEPING 5 BBL.S HR--HEALING WITH LCM SWEEP--HEALED AT PRESENT TIME
6/2/2008	06:00 - 11:30	5.50	DRL	1	DRLIN2	DRILL FROM 9,160 TO 9,323 (ROP 29.6' HR) WOB 15-18, DHRPM 105-125, MW 9.5, VIS 44, BG GAS 4200, CONN GAS 7654--4' FLARE
	11:30 - 12:00	0.50	RIG	1	DRLIN2	RIG SERVICE, SERVICE BLOCKS, SWIVEL, TOP DRIVE, CROWN
	12:00 - 18:00	6.00	DRL	1	DRLIN2	DRILL FROM 9,323 TO 9,484 (ROP 26.8' HR)WORKING SAME PERAMETERS, NO LOSSES
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL FROM 9,484 TO 9,840 (ROP 29.6' HR) WORKING THE SAME PERAMETERS--NO LOSSES
6/3/2008	06:00 - 11:30	5.50	DRL	1	DRLIN2	DRILL FROM 9,840 TO 9,991 (ROP 27.5' HR.) WOB 15-18, DHRPM 120, MW 9.5, VIS 43, BG GAS 3300, CONN. 5,000
	11:30 - 12:00	0.50	RIG	1	DRLIN2	SERVICE RIG, TOP DRIVE, BLOCKS AND SWIVEL
	12:00 - 18:00	6.00	DRL	1	DRLIN2	DRILL FROM 9,991 TO 10,145 (ROP 25.6' HR.) WORK THE SAME PERAMETERS
	18:00 - 22:00	4.00	DRL	1	DRLIN2	DRILL FROM 10,145 TO 10,220 WORK THE SAME PERAMETERS, MOTOR STALLED AND PRESSURED UP
	22:00 - 22:30	0.50	SUR	1	DRLIN2	CHECK FLOW AND DROP SURVEY
	22:30 - 23:30	1.00	CIRC	1	DRLIN2	CIRCULATE BOTTOMS UP, MW 9.7 HAD 3' FLARE
	23:30 - 04:00	4.50	TRP	10	DRLIN2	TRIP OUT (HOLE FILL WAS 16 BBL.S OVER CALC.)
6/4/2008	04:00 - 05:00	1.00	TRP	1	DRLIN2	BREAK BIT AND LAY DOWN AND PICK UP MUD MOTOR
	05:00 - 06:00	1.00	TRP	2	DRLIN2	TRIP IN HOLE INSPECTING BHA
	06:00 - 11:00	5.00	TRP	2	DRLIN2	INSPECT BHA WHILE TRIPPING IN HOLE EVERYTHING CHECKED OUT GOOD, BENT ONE JOINT OF HWDP BREAKING OUT--BOX WAS DRY--LAY DOWN BENT JOINT
	11:00 - 12:30	1.50	TRP	2	DRLIN2	TRIP IN HOLE TO SHOE
	12:30 - 13:30	1.00	RIG	6	DRLIN2	CUT AND SLIP DRILLING LINE
	13:30 - 14:00	0.50	CIRC	1	DRLIN2	CIRCULATE OUT HEAVY TRIP SLUG @ SHOE
	14:00 - 17:00	3.00	TRP	2	DRLIN2	TRIP IN HOLE (HOLE CLEAN)
	17:00 - 18:00	1.00	REAM	1	DRLIN2	WASH AND REAM FROM 10,050 TO 10,220 HAD 3' HOLE FILL
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL FROM 10,220 TO 10,489 (ROP 22.4' HR) WOB 5-13, DHRPM 135, MW 9.7, VIS 43, BG GAS 5575, CON 7250--10' FLARE
	6/5/2008	06:00 - 11:00	5.00	DRL	1	DRLIN2
11:00 - 11:30		0.50	RIG	1	DRLIN2	RIG SERVICE
11:30 - 18:00		6.50	DRL	1	DRLIN2	DRILL F/ 10634' TO 10798' (164' @ 26' P/HR) WOB 16/20 MUD WT 10.2 PPG VIS 43 W/ NO LOSSES
18:00 - 06:00		12.00	DRL	1	DRLIN2	DRILL F/ 10798' TO 11035' (237' @ 20' P/HR) WOB 15/25 MUD WT 10.2 PPG VIS 43 DRILLING BREAK @ 10,875', AFTER DRILLING TOTAL 12' GAIN 18 BBL.S DURING DRILLING NEXT DRILLING

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/5/2008	18:00 - 06:00	12.00	DRL	1	DRLIN2	BREAK @ 10,964 AGAIN PIT GAIN TOTAL 21 BBLS D.BREAK @ 10,999 LOSSES @ 5 BBLS
6/6/2008	06:00 - 11:00	5.00	DRL	1	DRLIN2	DRILL F/ 11035' TO 11069' (34' @ 6.8' P/HR) WOB 20/25 MUD WT 10.2 VIS 44
	11:00 - 12:00	1.00	CIRC	1	DRLIN2	CIR. & PUMP PILL & DROP SURVEY
	12:00 - 18:00	6.00	TRP	2	DRLIN2	TRIP OUT OF HOLE W/ NO HOLE PROBLEMS
	18:00 - 20:30	2.50	TRP	1	DRLIN2	CHANGE OUT MUD MOTOR, BIT & MONEL (THREADS DAMAGED PIN END ON MONEL)
	20:30 - 01:30	5.00	TRP	2	DRLIN2	TRIP TO 8817' INSTALL ROTATE RUBBER
	01:30 - 02:30	1.00	CIRC	1	DRLIN2	CIR. OUT ECD PILL @ 8817'
	02:30 - 04:00	1.50	TRP	2	DRLIN2	TRIP IN HOLE TO 10885'
	04:00 - 04:30	0.50	REAM	1	DRLIN2	WASH & REAM F/ 10885' TO BOTTOM @ 11069' W/ NO PROBLEMS OR FILL
	04:30 - 06:00	1.50	DRL	1	DRLIN2	DRILL F/ 11069' TO 11100' (31' @ 21' P/HR) WOB 8/10 MUD WT 10.3 VIS 42
	6/7/2008	06:00 - 16:00	10.00	DRL	1	DRLIN2
16:00 - 16:30		0.50	RIG	1	DRLIN2	RIG SERVICE
16:30 - 18:00		1.50	DRL	1	DRLIN2	DRILL F/ 11303' TO 11335' (32' @ 21.4' P/HR) WOB 12/15 MUD WT 10.5 VIS 41
18:00 - 06:00		12.00	DRL	1	DRLIN2	DRILL F/ 11335' TO 11580' (245' @ 20.4' P/HR) WOB 12/15 MUD WT 10.8 VIS 43
6/8/2008	06:00 - 15:00	9.00	DRL	1	DRLIN2	DRILL F/ 11580' TO 11782' (205' @ 23' P/HR) WOB 15 MUD WT 10.8 VIS 42
	15:00 - 15:30	0.50	RIG	1	DRLIN2	RIG SERVICE
	15:30 - 18:00	2.50	DRL	1	DRLIN2	DRILL F/ 11782' TO 11850' (68' @ 27.2' P/HR) WOB 12/15 MUD WT 10.8 VIS 40
	18:00 - 22:30	4.50	DRL	1	DRLIN2	DRILL F/ 11850' TO 11973' (123' @ 27.5' P/HR) WOB 12/15 MUD WT 10.8 VIS 42
	22:30 - 00:00	1.50	CIRC	1	DRLIN2	CIR. HOLE CLEAN FOR WIPER TRIP
6/9/2008	00:00 - 01:00	1.00	TRP	14	DRLIN2	WIPER TRIP F/ 11973' TO 10965' W/ NO PROBLEMS
	01:00 - 03:30	2.50	CIRC	1	DRLIN2	CIR. & CLEAN HOLE SPOT ECD PILL DROP SURVEY
	03:30 - 06:00	2.50	TRP	2	DRLIN2	TRIP OUT OF HOLE TO LOG W/ SCH.
	06:00 - 10:30	4.50	TRP	2	DRLIN2	TOOH F/ LOGS STRAP PIPE (NO CORRECTION 3.5' DIFFERENTS)
	10:30 - 11:30	1.00	OTH		DRLIN2	CHANGE OUT ROTATING HEAD ASSEMBLY
	11:30 - 12:00	0.50	LOG	1	DRLIN2	S/M & R/UP LOGGERS
	12:00 - 18:00	6.00	LOG	1	DRLIN2	LOG HOLE W/ PLATFORM EXPRESS (ONE RUN STRAIGHT TRIPLE COMBO) F/ 11978' TO 4150' CONTINUE W/ CASE HOLE W/ GR + NEUTRON F/ 4150' TO 1500' GR TO SURFACE
	18:00 - 19:30	1.50	LOG	1	DRLIN2	RIG DOWN SCH. LOGGING TOOLS & EQUIPMENT
	19:30 - 22:30	3.00	TRP	2	DRLIN2	TIH W/ SLICK ASSEMBLY TO CASING SHOE @ 4150'
	22:30 - 23:30	1.00	RIG	6	DRLIN2	CUT & SLIP DRILLING LINE
6/10/2008	23:30 - 01:30	2.00	TRP	2	DRLIN2	TIH TO 8785'
	01:30 - 02:30	1.00	CIRC	1	DRLIN2	CIR. OUT ECD PILL
	02:30 - 05:00	2.50	TRP	2	DRLIN2	CONTINUE TO TRIP IN HOLE TIGHT HOLE @ 8910'- 8965' - 9425'
	05:00 - 06:00	1.00	CIRC	1	DRLIN2	CIR. HOLE CLEAN & CONDITION MUD
	06:00 - 07:30	1.50	CIRC	1	DRLIN2	CIR. & CONDITION MUD
	07:30 - 08:00	0.50	CIRC	1	DRLIN2	SPOT ECD PILL ON BOTTOM
	08:00 - 09:00	1.00	TRP	2	DRLIN2	TRIP OUT OF HOLE F/ 11973' TO 9485' W/ NO HOLE PROBLEMS
	09:00 - 10:00	1.00	TRP	2	DRLIN2	S/M & R/UP ROCKY MOUNTAIN LAY DOWN MACHINE
	10:00 - 15:30	5.50	TRP	3	DRLIN2	LAY DOWN DRILL PIPE
	15:30 - 16:30	1.00	TRP	2	DRLIN2	TRIP IN HOLE W/ DRILL PIPE FROM DERRICK

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
6/10/2008	16:30 - 20:00	3.50	TRP	2	DRLIN2	LAY DOWN DRILL PIPE & BHA	
	20:00 - 21:00	1.00	TRP	2	DRLIN2	PULL WEAR BUSHING	
	21:00 - 23:00	2.00	CSG	1	DRLIN2	S/M & RIG UP CASING CREW	
	23:00 - 06:00	7.00	CSG	2	DRLIN2	M/UP SHOE TRACK EQUIPMENT & RUN IN HOLE W/ 7" CASING	
6/11/2008	06:00 - 13:00	7.00	CSG	2	DRLIN2	RUN IN HOLE W/ 7" CASING & M/UP LANDING JT & AND LAND OFF IN MBS	
	13:00 - 15:00	2.00	CIRC	1	DRLIN2	STARTED CIR. @ 30 SPM W/ FULL RETURNS FOR 20 MINUTES OBSERVE RETURNS GETTING LESS AFTER 55 MINUTES NO RETURNS HOLE WAS FULL FLOW CHECK WELL STATIC 15 MIN. LAY DOWN FILL UP TOOL & CASING EQUIPMENT	
	15:00 - 16:30	1.50	CIRC	1	DRLIN2	INSTALL CAMERON SEAL ASSY. & P/TEST TO 10000 PSI - OK	
	16:30 - 19:00	2.50	CMT	2	DRLIN2	S/M & R/UP HAL. CEMENT HEAD	
	19:00 - 20:00	1.00	CMT	2	DRLIN2	ATTEMPT TO PREPARE FOR NITROGEN CEMENT JOB NITROGEN CMT TRUCK WOULD NOT PUMP WAIT FOR ONE FROM TOWN	
	20:00 - 23:00	3.00	CMT	2	DRLIN2	P/TEST LINES TO 10000 PSI OK PUMP 5 BBLs OF SUPER FLUSH & 10 BBLs WATER	
	23:00 - 01:00	2.00	CMT	2	DRLIN2	OBSERVE RETURNS COMING F/ C SECTION PACK OFF LEAKING ON CAMERON SEAL ASSY PULL OUT OF HOLE FOUND CUTTING AROUND SEAL ASSEMBLY CLEAN & RESET SEAL ASSY.	
	01:00 - 06:00	5.00	CMT	2	DRLIN2	R/UP CEMENT HEAD & LINES & P/TEST LINES TO 8000 PSI OK CARRY OUT CEMENT JOB AS PER PROGRAM (WITH NO RETURNS DURING CEMENT JOB) AT THE MOMENT ONLY 120 PSI INCREASE DURING PUMPING CMT	
6/12/2008	06:00 - 07:00	1.00	CMT	2	DRLIN2	PUMP 10 BBLs FRESH W. PUMP 30 BBLs SUPER FLUSH XLC, PUMP 10 BBLs WATER BEHIND, PUMP 30 BBLs FOAM SCA. @ 14.3 FOAMED TO 7 PPG PUMP 1ST FOAM LEAD @ 14.3 PPG FOAMED @ 9.5 PPG 148 BBLs, PUMP 2ND FOAM LEAD @ 14.3 PPG FOAMED @ 7 PPG 225 BBLs, PUMP 56 BBLs UNFOAMED TAIL LEAD @ 14.3 PPG DROP PLUG DISPLACE W/ OBM 457 BBLs BUMP PLUG HELD 1500 PSI FOR 15 MIN OK RELEASE PRESSURE NO BACK FLOW PUMP CAP CEMENT 14.6 PPG 10 BBLs ATT. TO PUMP MORE CMT PUMP PRESSURE INCREASED TO 900 PSI & HOLDING SOLID BLEED OFF PRESSURE PREPARE TO R/D CEMENTERS	
	07:00 - 07:30	0.50	CMT	1	DRLIN2	RIG DOWN CEMENT HEAD & LINES	
	07:30 - 10:00	2.50	RIG	2	DRLIN2	CHANGE OUT LOWER PIPE RAMS	
	10:00 - 18:00	8.00	BOP	2	DRLIN2	P/TEST BOPS TO 250 PSI LOW & 10000 PSI HIGH TEST ANN. TO 250 PSI LOW & 7500 HIGH P/TEST CASING TO 1500 PSI NOTE: CLEAN MUD TANKS FOR OIL BASE MUD & RIG UP DRY CUTTING SHAKER & NEW CUTTING LINES TO REVERSE PIT	
	18:00 - 19:00	1.00	TRP	2	DRLIN2	INSTALL WEAR BUSHING	
	19:00 - 22:00	3.00	OTH		DRLIN2	CHANGE OUT LOW PRESSURE ROTATING HEAD TO HIGH PRESSURE	
	22:00 - 00:00	2.00	OTH		DRLIN2	S/M & R/UP ROCKY MOUNTAIN LAY DOWN MACHINE	
	00:00 - 06:00	6.00	TRP	1	DRLIN2	M/UP 6 1/8 BHA (NEW DRILL COLLARS) M/UP & BREAK OUT & RETORQUE ALL DRILL COLLARS	
	6/13/2008	06:00 - 17:30	11.50	TRP	2	DRLIN2	PICK UP 4" STRING PIPE FROM PIPE RACK
		17:30 - 19:00	1.50	TRP	2	DRLIN2	RIG DOWN LAY DOWN MACHINE
19:00 - 20:00		1.00	RIG	6	DRLIN2	CUT & SLIP DRILLING LINE 92' TOTAL	
20:00 - 21:00		1.00	TRP	2	DRLIN2	INSTALL ROTATING HEAD RUBBER	
21:00 - 22:30		1.50	DRL	4	DRLIN2	DRILL OUT LANDING COLLAR & SHOE	
22:30 - 23:00		0.50	DRL	1	DRLIN2	DRILL F/ 11973' TO 11985'	
23:00 - 23:30		0.50	EQT	2	DRLIN2	CIR. HOLE CLEAN & CONDUCT FIT TO 16 PPG EQUIVALENT GOOD TEST	

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/13/2008	23:30 - 03:00	3.50	DRL	1	DRLIN2	DRILL F/ 11985' TO 12093' (108' @ 31' P/HR) WOB 2/4 MUD WT 13.7 PPG VIS 52
	03:00 - 06:00	3.00	WCL	1	DRLIN2	OBSERVE FLOW P/UP FLOW CHECK WELL FLOWING SHUT IN WELL SICP @ 915 PSI W/ 13.7 PPG MUD IN HOLE RAISE MUD WT TO 14.4 & KILL WELL FLOW CHECK OK
6/14/2008	06:00 - 08:00	2.00	WCL	1	DRLIN2	CONTINUE TO CIR. KILL MUD DOWN W/ RETURNS THROUGH CHOKE (KILL MUD 14.4 PPG) CHECK FLOW WELL STATIC
	08:00 - 18:00	10.00	DRL	1	DRLIN2	DRILL F/ 12093' TO 12477' (384' @ 39' P/HR) WOB 8/10 MUD WT 14.4 VIS 51
	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL F/ 12477' TO 13100' (623' @ 52' P/HR) WOB 8/10 MUD WT 14.4 VIS 53
6/15/2008	06:00 - 11:00	5.00	DRL	1	DRLIN2	DRILL F/ 13100' TO 13444' (344' @ 68.8' P/HR) WOB 8/10 MUD WT 14.6 VIS 48
	11:00 - 12:00	1.00	CIRC	1	DRLIN2	CIR. OUT GAS & RAISED MUD WT TO 14.8 (75' FLARE FOR 15 MINUTES)
	12:00 - 15:30	3.50	DRL	1	DRLIN2	DRILL F/ 13444' TO 13613' (169' @ 48.3' P/HR) WOB 8/10 MUD WT 14.8 VIS 51
	15:30 - 16:00	0.50	RIG	1	DRLIN2	RIG SERVICE
	16:00 - 18:00	2.00	DRL	1	DRLIN2	DRILL F/ 13613' TO 13712' (99' @ 49.6' P/HR) WOB 8/10 MUD WT 14.8 VIS 49
6/16/2008	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL F/ 13712' TO 14270' (558' @ 47' P/HR) WOB 8/10 MUD WT 14.8 VIS 51
	06:00 - 16:30	10.50	DRL	1	DRLIN2	DRILL F/ 14270' TO 14851' (581' @ 55.4' P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 52 W/ NO LOSSES
	16:30 - 17:30	1.00	RIG	1	DRLIN2	RIG SERVICE
	17:30 - 18:00	0.50	DRL	1	DRLIN2	DRILL F/ 14851' TO 14862' (11' @ 22' P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 51 W/ NO LOSSES
	18:00 - 21:00	3.00	DRL	1	DRLIN2	DRILL F/ 14862' TO 14968' 106' @ 35.5 P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 45
6/17/2008	21:00 - 01:30	4.50	CIRC	1	DRLIN2	CIR HOLE CLEAN & SPOT ECD PILL & DROP SURVEY
	01:30 - 06:00	4.50	TRP	2	DRLIN2	TRIP OUT OF HOLE (MOTOR FAILURE)
	06:00 - 09:00	3.00	TRP	2	DRLIN2	TRIP OUT OF HOLE TO BHA
	09:00 - 10:00	1.00	TRP	2	DRLIN2	CHANGE OUT MUD MOTOR & BIT
	10:00 - 18:00	8.00	TRP	2	DRLIN2	TRIP IN HOLE W/ NEW 6 1/8 BIT & MUD MOTOR TO 13250'
	18:00 - 19:00	1.00	CIRC	1	DRLIN2	CIR. OUT ECD PILL @ 13250 RETURNS THROUGH CHOKE FLARE @ BOTTOMS UP 60' FOR 15 MINUTES PIT GAIN 36 BBLS
	19:00 - 20:00	1.00	TRP	2	DRLIN2	TRIP IN HOLE TO 14803' (W/ NO HOLE PROBLEMS TIH) HOLE IS GOOD SHAPE
	20:00 - 20:30	0.50	REAM	1	DRLIN2	WASH & REAM F/ 14803' TO BOTTOMS @ 14968' W/ NO FILL
20:30 - 22:30	2.00	CIRC	1	DRLIN2	CIR. OUT ECD PILL W/ RETURNS GOING THROUGH CHOKE FLARE @ 50' FOR 5 MINUTES PIT GAIN 24 BBLS	
6/18/2008	22:30 - 06:00	7.50	DRL	1	DRLIN2	DRILL F/ 14968' TO 15,215' (247' @ 33' P/HR) WOB 8/10 MUD WT 15 VIS 46 W/ NO LOSSES NO HOLE PROBLEMS
	06:00 - 09:00	3.00	DRL	1	DRLIN2	DRILL F/ 15215' TO 15330 (115' @ 38.4' P/HR) WOB 8/10 MUD WT 15 PPG VIS 47
	09:00 - 10:00	1.00	RIG	1	DRLIN2	RIG SERVICE
	10:00 - 18:00	8.00	DRL	1	DRLIN2	DRILL F/ 15330' TO 15607' (277' @ 35' P/HR) WOB 8/10 MUD WT 15 PPG VIS 51
6/19/2008	18:00 - 06:00	12.00	DRL	1	DRLIN2	DRILL F/ 15607' TO 15906' (304' @ 25.3' P/HR) WOB 8/10 MUD WT 15 PPG VIS 48
	06:00 - 10:00	4.00	DRL	1	DRLPRO	DRILL FROM 15,906 TO 15,920 (ROP 3.5' HR) WORK ALL

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/19/2008	06:00 - 10:00	4.00	DRL	1	DRLPRO	DIFFERNET PERAMETERS TO GET TO DRILL NO GO
	10:00 - 10:30	0.50	SUR	1	DRLPRO	DROP SURVEY AND CHECK FOR FLOW 1/4" STREAM
	10:30 - 13:00	2.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP AND SPOT ECD SLUG
	13:00 - 20:00	7.00	TRP	10	DRLPRO	TRIP OUT OF HOLE
	20:00 - 21:00	1.00	TRP	1	DRLPRO	LAY DOWN AND PICK UP MOTOR AND BIT
	21:00 - 02:00	5.00	TRP	10	DRLPRO	TRIP IN HOLE TEST MOTOR AND TRIP IN HOLE FILL @ BHA AND EVERY 4,000' TO SHOE
	02:00 - 03:00	1.00	OTH		DRLPRO	CHANGE OUT SAVER SUB ON TOP DRIVE
	03:00 - 04:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ SHOE 30' FLARE
	04:00 - 05:00	1.00	TRP	10	DRLPRO	TRIP IN TO 14,087
	05:00 - 06:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ 14,087
6/20/2008	06:00 - 07:00	1.00	TRP	10	DRLPRO	TRIP FROM 14,078 TO 15,716
	07:00 - 07:30	0.50	REAM	1	DRLPRO	WASH FROM 15,716 TO 15,920 NO HOLE FILL
	07:30 - 08:00	0.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP 25' FLARE
	08:00 - 06:00	22.00	DRL	1	DRLPRO	DRILL FROM 15,920' TO 16047'.(ROP 5.8' HR) WOB 6/14, RPM 75/85, PUMP PSI 3850/3950. MW 12.1, VIS 45--BG GAS 2556- NO FLARE
6/21/2008	06:00 - 09:00	3.00	DRL	1	DRLPRO	DRILL FROM 16,047 TO 16,053
	09:00 - 09:30	0.50	SUR	1	DRLPRO	DROP SURVEY AND CHECK FLOW
	09:30 - 11:00	1.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP AND SPOT ECD PILL.
	11:00 - 18:00	7.00	TRP	10	DRLPRO	TRIP FOR BIT #11.
	18:00 - 19:00	1.00	TRP	10	DRLPRO	CHANGE OUT BIT #11 AND HUNTING MUD MOTOR.
	19:00 - 19:30	0.50	RIG	1	DRLPRO	SERVICE RIG.
	19:30 - 23:30	4.00	TRP	10	DRLPRO	TIH, TEST MUD MOTOR AT BHA AND FILL PIPE EVERY 4000' TO SHOE.
	23:30 - 00:30	1.00	RIG	6	DRLPRO	CUT AND SLIP DRILLING LINE
	00:30 - 02:00	1.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ SHOE 25' FLARE
	02:00 - 03:00	1.00	TRP	10	DRLPRO	TRIP IN HOLE TO 13,862
6/22/2008	03:00 - 04:30	1.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP, TOP HALF OF ECD PILL. 45' FLAIR. 2282U.
	04:30 - 05:30	1.00	TRP	10	DRLPRO	TRIP IN HOLE TO 15,875.
	05:30 - 06:00	0.50	REAM	1	DRLPRO	WASH IN HOLE FROM 15,875' TO 16,053'. (NO HOLE FILL178')
	06:00 - 10:30	4.50	DRL	1	DRLPRO	DRILL 6 1/8" HOLE FROM 16,053' TO 16,096'.
	10:30 - 11:00	0.50	RIG	1	DRLPRO	SERVICE RIG, TOP DRIVE, BLOCKS, SWIVEL, CROWN
	11:00 - 20:30	9.50	DRL	1	DRLPRO	DRILL FROM 16,096' TO 16,155 (ROP 6.2' HR) WOB 5-16, DHRPM 85, MW 15.1, VIS 45, 2' DRILLING FLARE--CORE POINT
	20:30 - 22:00	1.50	CIRC	1	DRLPRO	CIRCULATE UP SAMPLE FROM 16,155
	22:00 - 23:00	1.00	CIRC	1	DRLPRO	SPOT ECD SLUG 150 BBL. 17.0# IN OPEN HOLE
	23:00 - 06:00	7.00	TRP	2	DRLPRO	TRIP TO PICK UP CORE BARREL
	6/23/2008	06:00 - 07:00	1.00	TRP	1	DRLPRO
07:00 - 09:30		2.50	TRP	1	DRLPRO	PICK UP CORE BARREL AND SPACE OUT INNER BARREL, CORE HEAD, JARS, FLOAT SUB, PUMP OUT SUB
09:30 - 10:30		1.00	RIG	1	DRLPRO	SERVICE TOP DRIVE, DRAWWORKS, BLOCKS, SWIVEL
10:30 - 16:00		5.50	TRP	2	DRLPRO	TRIP IN HOLE, FILL PIPE @ BHA, EVERY 4,000'
16:00 - 18:00		2.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ SHOE 15' FLARE (HAD PUMP PROBLEMS AND WIND BLEW BREAKING SASH CORD HOLDING PIPE HAD 6 STANDS FALL OUT)
18:00 - 19:00		1.00	TRP	2	DRLPRO	TRIP IN HOLE TO 14,170. 40' FLAIR WITH 24 BBL GAIN.
19:00 - 20:00		1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ 14,170.
20:00 - 21:00		1.00	TRP	2	DRLPRO	TIH TO BOTTOM AT 15,980'.
21:00 - 21:30		0.50	REAM	1	DRLPRO	WASH IN HOLE FROM 15,980' TO 16,155'. 2' OF FILL.
21:30 - 22:30		1.00	CIRC	1	DRLPRO	CIRCULATE FINAL BOTTOMS UP. 20' FLAIR.
22:30 - 06:00	7.50	GEO	2	DRLPRO	CORE 6 1/4" HOLE FROM 16,155 TO 16,174'. 19'. ROP 2.5', WOB 12/13, RPM 50, PSI 2775, PUMP STKS 42.	

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Spud Date: 4/26/2008
 Start: 4/28/2008
 End:
 Rig Release: 4/30/2008
 Group:
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/24/2008	06:00 - 07:00	1.00	GEO	2	DRLPRO	CORE 6 1/4" HOLE FROM 16174' TO 16,175-TOTAL OF 20' OF CORE-ATEMPT TO GET CORE TO DRILL LOST ALL TORQUE AND WOULDNT DRILL OFF, PRESSURED UP
	07:00 - 08:30	1.50	GEO	2	DRLPRO	ATEMPT TO GET CORE TO DRILL LOST ALL TORQUE AND WOULDNT DRILL OFF, PRESSURED UP
	08:30 - 10:30	2.00	CIRC	1	DRLPRO	CIRCULATE UP BOTTOMS UP AND SPOT ECD SLUG
	10:30 - 17:00	6.50	TRP	2	DRLPRO	TRIP OUT OF HOLE USING PIPE SPINNERS
	17:00 - 17:30	0.50	OTH		DRLPRO	LAY DOWN INTER CORE BARREL, RETREIVED ~14 1/2',
	17:30 - 19:30	2.00	TRP	1	DRLPRO	PICK UP NEW INTER BARREL-
	19:30 - 20:00	0.50	TRP	2	DRLPRO	TRIP IN HOLE
	20:00 - 20:30	0.50	RIG	2	DRLPRO	HAD TWO LOOSE WRAPS ON DRAW-WORK DRUM, HANG BLOCKS AND RESPOOL DRILLING LINE
	20:30 - 01:00	4.50	TRP	2	DRLPRO	TRIP I HOLE FILL @ BHA AND EVERY 4,000
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ SHOE TO GET TRIP SLUG OUT
	02:00 - 03:00	1.00	TRP	2	DRLPRO	TRIP IN HOLE TO 13,960
	03:00 - 04:00	1.00	CIRC	1	DRLPRO	CIRCULATE ECD SLUG OUT OF HOLE @ 13,960 HAD 45' FLARE 32 BBL. GAIN
	04:00 - 05:00	1.00	TRP	2	DRLPRO	TRIP IN HOLE TO 16,043
	05:00 - 05:30	0.50	REAM	1	DRLPRO	WASH TO BOTTOM F 16,043
05:30 - 06:00	0.50	CIRC	1	DRLPRO	CIRCULATE ECD SLUG OUT OF HOLE	
6/25/2008	06:00 - 07:00	1.00	CIRC	1	DRLPRO	CIRCULATE ECD SLUG OUT OF HOLE.
	07:00 - 20:00	13.00	GEO	2	DRLPRO	CORE FROM 16,175 TO 16,195 (ROP 1.53' HR) LOST TORQUE COULDN'T GET TO DRILL LAST 2 HOURS CORED 1' STARTED TO PRESSURE UP ALSO
	20:00 - 21:30	1.50	CIRC	1	DRLPRO	CIRCULATE AND SPOT ECD SLUG 150 BBL @ 17.0 PPG
	21:30 - 05:00	7.50	TRP	2	DRLPRO	TRIP OUT OF HOLE WITH CORE TREAIVED ~20' CORE
6/26/2008	05:00 - 06:00	1.00	TRP	1	DRLPRO	BREAK OFF BIT, LAY DOWN JARS, CIRC SUB, FLOAT SUB, INTER BARREL, OUT BARREL
	06:00 - 11:30	5.50	TRP	10	DRLPRO	MAKE BIT AND BHA, TRIP IN HOLE FILL EVERY 4,000'
	11:30 - 12:00	0.50	OTH		DRLPRO	INSTALL ROTATING HEAD
	12:00 - 13:00	1.00	RIG	6	DRLPRO	CUT AND SLIP DRILLING LINE
	13:00 - 14:30	1.50	CIRC	1	DRLPRO	FILL PIPE AND CIRCULATE BOTTOMS UP @ SHOE 15' FLARE
	14:30 - 15:30	1.00	TRP	10	DRLPRO	TRIP IN HOLE TO 14,026
	15:30 - 17:00	1.50	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ 14,026- 45' FLARE
	17:00 - 18:00	1.00	TRP	10	DRLPRO	TRIP IN HOLE TO 16,046
	18:00 - 18:30	0.50	REAM	1	DRLPRO	WASH AND REAM FROM 16,046 TO 16,195 NO FILL
	18:30 - 19:30	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP AND START PATTERN ON BOTTOM WITH NEW BIT
	19:30 - 06:00	10.50	DRL	1	DRLPRO	DRILL FROM 16,195 TO 16,237'. (ROP 4' HR) WOB 4-9, DHRPM 240, MW 15.0, VIS 50, BG GAS 400-NO FLARE, SEEPAGE IF FLOW RATE IS OVER 205 GPM
6/27/2008	06:00 - 15:00	9.00	DRL	1	DRLPRO	DRILL FROM 16,237 TO 16,275. 38'. ROP 4'. WOB 10/11. PUMP STK 49. PSI 3400. MM RPM 201, ROTARY 50
	15:00 - 16:30	1.50	CIRC	5	DRLPRO	CIRCULATE SAMPLE UP.
	16:30 - 17:00	0.50	TRP	14	DRLPRO	SHORT TRIP OUT 10 STANDS-DIDNT SEE ANY
	17:00 - 17:30	0.50	OTH		DRLPRO	CHANGE OUT ROTATING HEAD RUBBER (LEAKING OVER TOP OF HEAD)
	17:30 - 18:30	1.00	TRP	14	DRLPRO	TRIP IN HOLE SLOW (NO HOLE FILL) TRIP WAS SLICK NO HANG UPS
	18:30 - 20:30	2.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP FOR TRIP TO LOG HAD 35' FLARE AND SPOT ECD SLUG (135 BBL OF 17PPG IN OPEN HOLE)
	20:30 - 04:00	7.50	TRP	2	DRLPRO	TRIP OUT FOR LOG'S (STRAP OUT OF HOLE)SLM-16,282.61
04:00 - 06:00	2.00	LOG	1	DRLPRO	HOLD SAFETY MEETING WITH LOGGERS AND LOG PRODUCTION	

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR
 Start: 4/28/2008
 Rig Release: 4/30/2008
 Rig Number: 8
 Spud Date: 4/26/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
6/27/2008	04:00 - 06:00	2.00	LOG	1	DRLPRO	HOLE- TRIPLE COMBO-SONIC--NEXT LOG IS OIL BASE MICRO IMAGING LOG	
6/28/2008	06:00 - 07:00	1.00	LOG	3	DRLPRO	GO IN HOLE WITH TRIPLE COMBO LOG	
	07:00 - 10:00	3.00	LOG	3	DRLPRO	LOGGING TRUCK CAN'T PULL UP TOOLS, 12,100', (MECHANIC FIXED SOME PARTS ON HYDRULIC PUMP)	
	10:00 - 13:30	3.50	LOG	3	DRLPRO	LOG OPEN HOLE TRIPLE COMBO-PLAT FORM EXPRESS, LOGGING DEPTH 16,300.5	
	13:30 - 14:30	1.00	LOG	3	DRLPRO	LOGGING TRUCK OVER HEATED (8230')	
	14:30 - 16:30	2.00	LOG	3	DRLPRO	PULL LOG OUT OF HOLE	
	16:30 - 17:30	1.00	LOG	3	DRLPRO	CHANGE OUT LOGGING TRUCKS	
	17:30 - 22:00	4.50	LOG	3	DRLPRO	RUN OIL BASE MICRO IMAGING LOG DEPTH 16,300	
	22:00 - 23:30	1.50	LOG	3	DRLPRO	RIG DOWN LOGGERS	
	23:30 - 04:00	4.50	TRP	15	DRLPRO	TRIP IN HOLE FILL PIPE BHA AND EVERY 4,000'	
	04:00 - 05:00	1.00	CIRC	1	DRLPRO	CIIRCULATE BOTTOMS UP @ SHOE	
	05:00 - 06:00	1.00	TRP	15	DRLPRO	TRIP IN HOLE TO 14,329	
	6/29/2008	06:00 - 07:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP @ 14,329 50' FLARE 40 BBL GAIN
		07:00 - 08:00	1.00	TRP	15	DRLPRO	TRIP IN HOLE TO 16,146
		08:00 - 08:30	0.50	REAM	1	DRLPRO	WASH FROM 16,146 TO 16,275 NO FILL
08:30 - 12:30		4.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP X 2 AND SPOT ECD SLUG OF 150 BBL 15.8# MUD IN OPEN HOLE	
12:30 - 14:00		1.50	TRP	2	DRLPRO	TRIP OUT TO SHOE TO LAY DOWN DRILL PIPE	
14:00 - 14:30		0.50	TRP	3	DRLPRO	RIG UP LAY DOWN TRUCK	
14:30 - 16:00		1.50	TRP	3	DRLPRO	LAY DOWN DRILL PIPE TO 10,100 (PIPE CAME WET)	
16:00 - 16:30		0.50	CIRC	1	DRLPRO	PUMP DRY SLUG	
16:30 - 23:00		6.50	TRP	3	DRLPRO	LAY DOWN DRILL PIPE	
23:00 - 23:30		0.50	OTH		DRLPRO	RIG DOWN LAY DOWN POLE	
23:30 - 01:00		1.50	TRP	3	DRLPRO	RUN 45 STAND'S IN HOLE	
01:00 - 06:00		5.00	TRP	3	DRLPRO	LAY DOWN DRILL PIPE AND BHA	
6/30/2008		06:00 - 06:30	0.50	TRP	1	DRLPRO	LAY DOWN BHA-BREAK BIT MOTOR AND CROSS OVERS
		06:30 - 07:30	1.00	OTH		DRLPRO	PULL HIGH PRESSURE HEAD AND PULL WEAR BUSHING
	07:30 - 09:30	2.00	CSG	1	CSGPRO	RIG UP CASING CREW	
	09:30 - 18:00	8.50	CSG	2	CSGPRO	RUN 4 1/2" PRODUCTION CASING TO 11,986	
	18:00 - 18:30	0.50	OTH		CSGPRO	INSTALL ROTATING HEAD RUBBER @ SHOE	
	18:30 - 20:00	1.50	CIRC	1	CSGPRO	CIRCULATE BOTTOMS UP @ SHOE 15' FLARE	
	20:00 - 21:00	1.00	CSG	2	CSGPRO	RUN 4 1/2" PRODUCTION CASING TO 13,917	
	21:00 - 22:30	1.50	CIRC	1	CSGPRO	CIRCULATE BOTTOMS UP 40' FLARE	
	22:30 - 00:30	2.00	CSG	2	CSGPRO	RUN 4 1/2" PRODUCTION CASING TO 16,275 (CIRCULATE LAST 4 JT'S DOWN) TAG BOTTOM AND PICK UP 4' CIRCULATE	
	00:30 - 01:30	1.00	CSG	1	CSGPRO	RIG DOWN CASING CREW WHILE CIRCULATING BOTTOMS UP 10' FLARE	
	01:30 - 02:00	0.50	CMT	1	CSGPRO	PUT CEMENT HEAD ON AND RIG UP IRON	
	02:00 - 03:30	1.50	CIRC	1	CSGPRO	CIRCULATE BOTTOMS UP THROUGH CEMENT HEAD	
	03:30 - 06:00	2.50	CMT	2	CSGPRO	HOLD SAFETY MEETING TALKED TO GAYLAND RICH WITH BLM 6-28-08 ~2:00 PM ABOUT CEMENTING	
	7/1/2008	06:00 - 07:00	1.00	CMT	2	CSGPRO	CEMENT 4 1/2" CASING, BUMPED FLOATS, HELD FOR 5 MIN BLED BACK 7 1/2 BBL'S BACK
07:00 - 10:00		3.00	BOP	1	CSGPRO	RIG DOWN DRIP PAN, KILL LINE FLOW LINE, CHOKE LINE,/ CLEAN MUD TANKS	
10:00 - 12:00		2.00	BOP	1	CSGPRO	HOLD SAFETY MEETING, RIG UP WINCHES AND LIFT STACK	
12:00 - 13:00		1.00	CSG	7	CSGPRO	SET CASING SLIPS 195,000 IN SLIPS, ROUGH CUT CASING	
13:00 - 14:00		1.00	BOP	1	CSGPRO	SET DOWN STACK AND RIG DOWN WINCHES	
14:00 - 18:00		4.00	LOC	4	CSGPRO	CLEAN RIG FLOOR TO LAY DOWN TOP DRIVE,BREAK CONNECTIONS ON TOP DRIVE	

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: DRILLING
 Contractor Name: Pro Petro
 Rig Name: AIR

Start: 4/28/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Spud Date: 4/26/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/1/2008	18:00 - 06:00	12.00			CSGPRO	LAY DOWN TOP DRIVE, KELLY HOSE, ELECTRIC LINES, KNOCK FLARE LINES LOOSE, GAS BUSTER, LAY DOWN ROTARY TOOLS, R/D MUD TANKS,(RIG RELEASED 0600 AM. 7/1/2008

QUESTAR

Operations Summary Report

Legal Well Name:	GB 15D-27-8-21		
Common Well Name:	GB 15D-27-8-21	Spud Date:	4/26/2008
Event Name:	COMPLETION	Start:	7/15/2008
Contractor Name:		Rig Release:	End:
Rig Name:		Rig Number:	Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/15/2008	08:00 - 21:00	13.00	LOG	2	C-LOG	MIRU LONE WOLF ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS AND TAG CORRELATED PBTD AT 16,283'. PRESSURE UP TO 4,000 PSI AND LOG UP TO 30'. EST. TOC AT SURFACE. BLEED PRESSURE TO ZERO AND POOH. RDMO ELU. TOOLS QUIT WORKING MULTIPLE TIMES BEFORE FINALLY GETTING A LOG.
7/16/2008	06:00 - 06:00	24.00	LOC	4	C-PRE	SETTING IPS FBE
7/17/2008	06:00 - 06:00	24.00	WOT	4	C-PRE	WOFC
7/18/2008	12:00 - 15:00	3.00	WHD	2	C-PRE	NU 4 1/16" FRAC TREE, SCHOONER HCR AND STINGER FRAC HEAD. SET WORK STAND.
7/19/2008	06:00 - 06:00	24.00	WOT	4	C-PRE	WOFC
7/20/2008	06:00 - 06:00	24.00	WOT	4	C-PRE	WOFC
7/25/2008	09:00 - 15:00	6.00	WOT	4	C-PRE	NU FBE. PRESSURE TEST FRAC TREE & FBE TO 12,000 PSI. TEST WAS GOOD.
7/26/2008	07:00 - 11:00	4.00	PERF	2	C-PERF	MIRU OWP ELU. MU & RIH WITH 2.5" GUNS. SHOOT 12 HOLES FROM 16,180' TO 16,184'. 900 PSI WHEN GUNS WERE FIRED. 50 PSI WITH GUNS AT SURFACE.
	11:00 - 13:00	2.00	STIM	1	C-STIM	MIRU HES EQUIPMENT AND PUMP 10 BBLS BREAK DOWN TEST. OPEN WELL W/ 0 PSI. BREAK PERFS DOWN @ 8.0 BPM & 10,500 PSI. PUMPED 8.0 BPM @ 7,990 PSI INTO PERFS. ISIP= 6,780 PSI. 5 MIN= 4,746 PSI. 10 MIN= 3,958 PSI. 15 MIN= 3,417. PUMPED A TOTAL OF 19 BBLS.
7/27/2008	13:00 - 06:00	17.00	PTST	2	C-STIM	MONITOR PRESSURE WITH HES QUARTZ GUAGES.
	07:00 - 10:00	3.00	PTST	2	C-STIM	OPEN WELL WITH 0 PSI. SHUT WELL BACK IN AT 10:00 AM. NO GAS OR FLUID FLOW.
7/28/2008	10:00 - 15:00	5.00	LOC	4	C-STIM	MIRU HES FRAC EQUIPMENT.
	15:00 - 06:00	15.00	PTST	2	C-STIM	MONITOR PRESSURE WITH HES QUARTZ GUAGES.
7/28/2008	06:00 - 11:00	5.00	WOT	2	C-OTH	WAITING ON HES ELU TO FIX PROBLEMS.
	11:00 - 12:15	1.25	PERF	2	C-PERF	PERF STG #1B WITH 1- 4' & 4- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE WITH 0 PSI. SHOOT 42 HOLES FROM 16,019' TO 16,159'.
7/29/2008	12:15 - 13:00	0.75	STIM	3	C-STIM	FRAC STAGE #1A & 1B WITH 1,404 BBLS 35# HYBOR-G CARRYING 71,600 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 49.1 BPM. AVG PSI= 10,469.
	13:00 - 16:00	3.00	PERF	2	C-PERF	PERF STG #2 WITH 10- 1' & 2- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 15,930' WITH 7,500 PSI. SHOOT 42 HOLES FROM 15,150' TO 15,899'.
7/29/2008	16:00 - 18:00	2.00	STIM	3	C-STIM	FRAC STAGE #2 WITH 800 GAL. 15% HCL AT 10 BPM, 2,459 BBLS SLICKWATER CARRYING 30,700 LBS# 30/60 SINTERLITE SAND. AVG RATE= 29.2 BPM. AVG PSI= 10,711.
	18:00 - 21:00	3.00	PERF	2	C-PERF	PERF STG #3 WITH 4- 1' & 5- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 15,030' WITH 8,000 PSI. SHOOT 42 HOLES FROM 14,440' TO 14,996'.
7/29/2008	06:00 - 08:45	2.75	STIM	3	C-STIM	FRAC STAGE #3 WITH 800 GAL. 15% HCL AT 10 BPM, 2,352 BBLS SLICKWATER CARRYING 40,100 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 31.7 BPM. AVG PSI= 11,023
	08:45 - 11:10	2.42	PERF	2	C-PERF	PERF STG #4 WITH 12- 1' & 1- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 14,260' WITH 8,000 PSI. SHOOT 42 HOLES FROM 13,539' TO 14,229'.
7/29/2008	11:10 - 13:00	1.83	STIM	3	C-STIM	FRAC STAGE #4 WITH 800 GAL. 15% HCL AT 10 BPM, 2,406 BBLS SLICKWATER CARRYING 39,900 LBS# 30/60 & 20/40 SINTERLITE

RECEIVED
SEP 04 2008

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 7/15/2008
 Rig Release:
 Rig Number:
 Spud Date: 4/26/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations	
7/29/2008	11:10 - 13:00	1.83	STIM	3	C-STIM	SAND. AVG RATE= 36.1 BPM. AVG PSI= 10,225.	
	13:00 - 15:00	2.00	PERF	2	C-PERF	PERF STG #5 WITH 7- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 13,440' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,750' TO 13,410'.	
	15:00 - 16:30	1.50	STIM	3	C-STIM	FRAC STAGE #5 WITH 800 GAL. 15% HCL AT 10 BPM, 2,431 BBLS SLICKWATER CARRYING 42,500 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 36.1 BPM. AVG PSI= 10,145.	
	16:30 - 18:30	2.00	PERF	2	C-PERF	PERF STG #6 WITH 7- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 12,570' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,058' TO 12,547'.	
7/30/2008	18:30 - 20:00	1.50	STIM	3	C-STIM	FRAC STAGE #6 WITH 800 GAL. 15% HCL AT 10 BPM, 2,437 BBLS SLICKWATER CARRYING 40,600 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 44.7 BPM. AVG PSI= 8,062.	
	06:00 - 08:00	2.00	PERF	2	C-PERF	PERF STG #7 WITH 6- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 11,730' WITH 5,000 PSI. SHOOT 36 HOLES FROM 11,515' TO 11,702'.	
	08:00 - 09:30	1.50	STIM	3	C-STIM	FRAC STAGE #7 WITH 800 GAL. 15% HCL AT 10 BPM, 2,349 BBLS SLICKWATER CARRYING 35,800 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 40.6 BPM. AVG PSI= 6,389.	
	09:30 - 11:00	1.50	PERF	2	C-PERF	PERF STG #8 WITH 14- 1' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 11,000' WITH 4,600 PSI. SHOOT 42 HOLES FROM 10,432' TO 10,978'.	
	11:00 - 12:30	1.50	STIM	3	C-STIM	FRAC STAGE #8 WITH 800 GAL. 15% HCL AT 10 BPM, 2,943 BBLS SLICKWATER CARRYING 71,300 LBS# 30/50 SB EXCEL SAND. AVG RATE= 48.4 BPM. AVG PSI= 6,179.	
	12:30 - 14:00	1.50	PERF	2	C-PERF	PERF STG #9 WITH 12- 1' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 10,190' WITH 4,200 PSI. SHOOT 36 HOLES FROM 10,053' TO 10,164'.	
	14:00 - 15:45	1.75	STIM	3	C-STIM	FRAC STAGE #9 WITH 800 GAL. 15% HCL AT 10 BPM, 2,933 BBLS SLICKWATER CARRYING 70,900 LBS# 30/50 SB EXCEL SAND. AVG RATE= 43.3 BPM. AVG PSI= 5,728.	
	15:45 - 17:15	1.50	PERF	2	C-PERF	PERF STG #10 WITH 6- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 9,470' WITH 3,500 PSI. SHOOT 36 HOLES FROM 9,166' TO 9,445'.	
	17:15 - 18:00	0.75	STIM	3	C-STIM	FRAC STAGE #10 WITH 800 GAL. 15% HCL AT 10 BPM, 1,974 BBLS SLICKWATER CARRYING 42,200 LBS# 30/50 SB EXCEL SAND. AVG RATE= 42.3 BPM. AVG PSI= 6,027.	
	18:00 - 19:30	1.50	PERF	2	C-PERF	PERF STG #11 WITH 6- 1' & 3- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 9,090' WITH 3,000 PSI. SHOOT 36 HOLES FROM 8,865' TO 9,072'.	
	19:30 - 22:30	3.00	STIM	3	C-STIM	FRAC STAGE #11 WITH 800 GAL. 15% HCL AT 10 BPM, 2,024 BBLS SLICKWATER CARRYING 47,661 LBS# 30/50 SB EXCEL SAND. AVG RATE= 43.2 BPM. AVG PSI= 5,103. RDMO HES & OWP ELU.	
	7/31/2008	06:00 - 22:00	16.00	DRL	6	C-TBNG	MIRU IPS CTU, SPIRIT FLUID SYSTEM, AND IPS GCDOE. MU QES 2 7/8" MOTOR/JARS WITH 3.55" 5-BLADE LUNK MILL. NU AND TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 7 PLUGS IN 5 HRS. CONTINUE IN HOLE AND DRILL ON PLUG #8 AT 14,210' FOR 3 HRS. PUMP FINAL SWEEP AND POOH. ND STACK AND DISCOVERED BOTTOM SECTION OF MOTOR ASSEMBLY HAD PARTED. SDFN
	8/1/2008	22:00 - 06:00	8.00	WOT	4	C-OTH	WAIT ON FISHING TOOLS.
06:00 - 13:00		7.00	FISH	5	C-OTH	MIRU J&C CRANE AND SGHOONER LUBRICATOR. MU QES 3.625" OVERSHOT DRESSED WITH 2 7/8" GRAPPLE. RIH AND TAG FISH	

Operations Summary Report

Legal Well Name: GB 15D-27-8-21
 Common Well Name: GB 15D-27-8-21
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 7/15/2008
 Rig Release:
 Rig Number:

Spud Date: 4/26/2008
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/1/2008	06:00 - 13:00	7.00	FISH	5	C-OTH	AT 14,229'. WORK SERVAL TIMES TRYING TO LATCH FISH. POOH WITHOUT FISH.
	13:00 - 20:00	7.00	FISH	5	C-OTH	MU QES 3.625" OVERSHOT DRESSED WITH 1 7/16" GRAPPLE. RIH AND TAG FISH AT 14,209'. WORK SERVAL TIMES AND POOH WITH OUT FISH.
8/2/2008	20:00 - 06:00	10.00	WOT	4	C-OTH	WAITING ON ORDERS AS TO WHAT TOOLS TO RUN.
	06:00 - 00:30	18.50	FISH	5	C-OTH	MU QES 3.00" WASH PIPE WITH 1 7/16" GRAPPLE. RIH AND TAG FISH AT 14,220'. WORK SERVAL TIMES TRYING TO LATCH FISH. POOH WITHOUT FISH. MU AND RBIH WITH 3.00" WASH PIPE WITH 1.61" GRAPPLE. TAG FISH AT 14,210'. POOH WITH OUT FISH. MU AND RBIH WITH 1.59" GRAPPLE. TAG FISH AT 14,215'. POOH WITH 800 LBS OVER PULL WITHOUT FISH. RDMO CTU.
8/3/2008	00:30 - 06:00	5.50	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/3/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/4/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/5/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/6/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/7/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH IPS FBE.
8/8/2008	06:00 - 06:00	24.00	PTST	2	C-OTH	FLOWING TO SALES THROUGH PRODUCTION EQUIPMENT.

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

Operator: Questar Exploration & Production Co Account: N5085 Today's Date: 10/23/2008

Problems:

- Late Report(s)
- Inaccurate Report(s)
- Incomplete Report(s)
- Other: _____

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

To avoid compliance action, these reporting problems should be resolved within 7 days.

Send reports to:

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

Fax to:

(801) 359-3940

43-047-39662
27 85 21e
GB 15D-27-8-21

Type of Report	Month(s) of Problem Report		
<input type="checkbox"/> Production – Form 10 <input type="checkbox"/> Disposition – Form 11 <input type="checkbox"/> Gas Plant – Form 13 <input type="checkbox"/> Enhanced Recovery – UIC Form 2 <input type="checkbox"/> Injection – UIC Form 3 <input type="checkbox"/> Other _____			
Type of Report	Well Name(s)	API Number(s)	Drilling Commenced
<input type="checkbox"/> Spud Notice – Form 9 <input checked="" type="checkbox"/> Drilling Reports – Form 9 <input type="checkbox"/> Well Completion Report – Form 8 <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/> List Attached		

Description of Problem:

Per R649-3-6 2.4 The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notice and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month.

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

cc: Compliance File
RAM
Well File
CHD

43-047-39662

Operations Summary Report - DRILLING

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/29/2008	06:00 - 08:00	2.00	DRL	1	DRILL 90' OF 30" HOLE AND SET 20" PIPE AND PRESSURE CEMENT WITH 15.8 PPG, YEALD 1.15, 5 GAL/SK, 450 SK, 92.1 BBL.
	08:00 - 10:00	2.00	LOC	4	MOVE IN AND RIG UP ROTARY TOOLS.
	10:00 - 01:00	15.00	DRL	9	DRILL 17 1/2" HOLE FROM 90' TO 560'. 470'. BLOW DOWN AND LOAD HOLE. LAY DOWN DRILL PIPE.
	01:00 - 02:30	1.50	CSG	2	RUN 13 3/8", 54.5#, K-55, ST&C AS FOLLOWS: RAN 13 JOINTS 11 RANGE 3 AND 2 RANGE 2. SHOE AT 530' GROUND LEVEL MEASUREMENTS. FLOAT COLLAR AT 505.30'. RAN 3 CENTRALIZERS FROM 520' TO 438' AND ONE AT 126'.
	02:30 - 04:00	1.50	CMT	2	PRE JOB SAFETY MEETING AND CEMENT AS FOLLOWS: PUMP 70 BBL OF WATER AND 20 BBL OF GEL PRE FLUSH. TAIL 102.4 BBL, 500 SKS, 15.8 PPG, YEALD 1.15, 5 GAL/SK WATER. DISPLACE WITH 78.4 BBL/WATER, PLUG BUMPED AND FLOATS HELD. 1 BBL BACK. 22 BBL OF GOOD CEMENT BACK.
5/8/2008	04:00 - 06:00	2.00	WOT	1	WAIT ON CEMENT. RIG RELEASED AND OFF LOCATION 4/30/2008.
	18:00 - 06:00	12.00	LOC	3	CONTINUE TO RIG DOWN TOP DRIVE SERVICE LOOP RIG DOWN RIG FLOOR, CLEAN FLOOR BEAMS, RIG DOWN BACK YARD, BLOW DOWN BRAKE COOLER, TIE BACK LINES IN DERRICK HOOK UP PUSH OVER LINES PREPARE TO LAY OVER DERRICK
5/9/2008	06:00 - 18:00	12.00	LOC	4	CONTINUE TO RIG DOWN BRIDLE UP LAY OVER DERRICK @ 1000 HRS, UNSPOOL DRAWWORKS, RIG DOWN SUBS, GENERATORS, FINISHING RIGGING DOWN BACK YARD 90 % RIGGED DOWN
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
5/10/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN CAMP MOVE CAMP TO NEW LOCATION & RIG UP FINISHED @ 1530 HRS, MOVE BACK YARD, RIG DOWN MONKEY BOARD, MOVE PUMPS, GRASS HOPPER, SCR GAS BUSTER SUCTION TANKS & RESEVE TANKS DRILLER OFF SIDE DOG HOUSE TO NEW LOCATION 85 % RIG LOADS ON NEW LOCATION 15 % RIG REMAINS ON OLD LOCATION
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
5/11/2008	06:00 - 18:00	12.00	LOC	4	MOVE DERRICK & SUB STRUCTURE FROM OLD LOCATION ARRIVED ON NEW LOCATION @ 1545 HRS, SPOT SUB MATS, SET SUBS, N/UP BOP STACK, SET CHOKE HOUSE, MUD TANKS & SET IN CAT WALKS IN SUB
	18:00 - 06:00	12.00	LOC	3	NOTE : MOVE DERRICK IN ONE PIECE TOTAL 5 MILES IN 25 MINUTES. 100 % MOVE FROM OLD LOCATION 35 % RIGGED UP
5/12/2008	18:00 - 06:00	12.00	LOC	3	WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	SET IN MOTOR PACKAGE, WATER TANKS, MUD PUMPS, DRILLERS SIDE DOG HOUSE, SET FUEL TANK, HOPPER HOUSE, SET IN DERRICK & PIN TO RIG FLOOR
5/13/2008	18:00 - 06:00	12.00	LOC	4	NOTE: ATTEMPT TO PICK UP DERRICK SMALL CRANE WAS UNABLE TO LIFT CROWN STECTION STRING EXTRA LINES ON SMALL CRANE
	06:00 - 18:00	12.00	LOC	4	CONTINUE TO RIG UP RAISE A LEGS SECTION
5/14/2008	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
	06:00 - 18:00	12.00	LOC	4	INSPECTED THE DRAWWORKS DRUM BEARINGS FOUND ALL BOLTS ON BRAKE DRUM HOUSING BOLTS LOOSE RE-TORQUE & CALB. MAIN BRAKE DRUM BEARING - OK
5/14/2008	18:00 - 06:00	12.00	LOC	4	85 % RIGGED UP HOOK UP ALL ELECTRIC LINES, SET GAS BUSTER, STRING UP BLOCKS, M/UP FLOW LINE ON SHAKE TANK & SUCTION LINES FOR MUD PUMPS, START UP # 1 & # 2 GEN. # 3 WOULD NOT START CALL TECH. HE WILL BE COMING OUT FIRST THING IN THE MORNING.
	06:00 - 18:00	12.00	LOC	4	WAIT ON DAY LIGHT
5/14/2008	18:00 - 06:00	12.00	LOC	4	FINISHING RIGGING UP BACK YARD & MUD PITS, 30 MIN LOAD TEST ON DERRICK
	06:00 - 18:00	12.00	LOC	4	RAISE DERRICK & PIN TO A LEGS @ 1030 HRS, UNBRIDLE FROM BLOCKS,

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/14/2008	06:00 - 18:00	12.00	LOC	4	HOOK UP GAS BUSTER LINES TO FLOW LINE, PICK UP & M/UP TOP DRIVE RAILS & CONTINUE RIGGING UP
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
5/15/2008	06:00 - 06:00	24.00	LOC	4	PICK UP TOP DRIVE, HANG SERVICE LOOP & ATTACH TO TOP DRIVE & TOP DRIVE HOUSE, RIG UP CHOKE LINE, WORK ON REPLACING GASKETS IN MUD PITS, MIX KCL WATER, CARRY OUT END PLAY CHECK ON TOP DRIVE BY UNITS MECHANIC
					OBSERVE WATER LEAK F/ DRAWWORKS END OF SPEAR REPLACE SNUFFING BOX PACKING ON DRILLER SIDE RIG UP TONGS TO TORQUE UP CONNECTION ON TOP DRIVE
5/16/2008	06:00 - 13:00	7.00	LOC	4	RIG UP FLARES LINES TO FLARE BOX, CHANGE OUT HIGH PRESSURE BEARING ASSEMBLY TO LOW PRESSURE, HOOK UP KOOMEY HOSES TO BOPS, RIG UP LOAD CELL, INSTALL ROTATING MOUSE HOLE, REPLACE BUTTERFLY VALVE ON BOTTOM OF GAS BUSTER (DAMAGED DURING RIG MOVE) INSTALL SLIDES FOR CUTTINGS & FUNCTION TEST BOPS
	13:00 - 18:00	5.00	BOP	1	NIPPLE UP BOPS & TIGHTEN BOLTS
	18:00 - 03:00	9.00	BOP	2	TEST BOP 5,000 PSI HIGH AND 250 LOW, TOP & BOTTOM PIPE RAMS BLIND RAMS CHOKE MANIFOLD HCR TEST CASING TO 1500 PULL TEST PLUG & RIG DOWN TESTERS
5/17/2008	03:00 - 06:00	3.00	TRP	1	LAY OUT BHA & STRAP SAME
	06:00 - 07:30	1.50	TRP	2	INSTALL WEAR BUSHING
	07:30 - 11:00	3.50	TRP	1	PICK UP BHA
	11:00 - 13:00	2.00	OTH		TRIP TO LANDING COLLAR @ 507' CEMENT CELLAR
	13:00 - 15:00	2.00	DRL	1	DRILL OUT SHOE TRACK & 10' OF NEW 12.25 HOLE
	15:00 - 16:30	1.50	EQT	2	CIR. HOLE CLEAN & PREFROM FIT EQUAL TO 10.5 PPG
	16:30 - 18:00	1.50	TRP	2	TRIP OUT OF HOLE
	18:00 - 22:30	4.50	TRP	1	MAKE UP HOLE OPENER BHA & TRIP IN HOLE TO 565'
	22:30 - 23:30	1.00	RIG	1	RIG SERVICE
	23:30 - 06:00	6.50	DRL	1	DRILL F/ 565' TO 1060' (495' @ 76.2' P/HR) WOB 12 TO 14 MUD WT 8.6 PPG VIS 26
5/18/2008	06:00 - 10:30	4.50	DRL	1	DRILL F/ 1060' TO 1430' (370' @ 83' P/HR) WOB 15 DHRPM 245 MUD WT 8.8 VIS 29 W/ NO LOSSES
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE
	11:00 - 12:00	1.00	DRL	1	DRILL F/ 1430' TO 1521' (91' @ 91' P/HR) WOB 15 DHRPM 245 MUD WT 8.8 VIS 30
	12:00 - 13:00	1.00	CIRC	1	CIR. HOLE CLEAN & WIRE LINE @ 1445' (.9 DEG) DIR. @ 261
	13:00 - 22:00	9.00	DRL	1	DRILL F/ 1521' TO 2184' (663' @ 83' P/HR) WOB 15 DHRPM 245 MUD WT 8.9 VIS 31 W/ NO LOSSES
	22:00 - 23:00	1.00	CIRC	1	CIR. & CLEAN HOLE SURVEY @ 2145 (.5 DEG) DIR. @ 220
	23:00 - 06:00	7.00	DRL	1	DRILL F/ 2184' TO 2450' (266' @ 38' P/HR) WOB 20 DHRPM 250 MUD WT 8.9 VIS 32 W/ NO LOSSES
5/19/2008	06:00 - 18:00	12.00	DRL	1	DRILL F/ 2450' TO 3022' (572' @ 48' P/HR) WOB 20 TO 22 DHRPM 245 MUD WT 9 VIS 32 W/ NO LOSSES TORQUE F/ 10 TO 12000 ON BOTTOM
	18:00 - 18:30	0.50	DRL	1	DRILL F/ 3022' TO 3040 (18') WOB 22 DHRPM 245 MUD WT 9 VIS 31
	18:30 - 19:30	1.00	SUR	1	CIR. & CLEAN HOLE WIRE LINE SURVEY @ 3010' @ 1 DEG DIR. 168
	19:30 - 06:00	10.50	DRL	1	DRILL F/ 3040' TO 3425' (385' @ 36.7' P/HR) WOB 22 TO 24 DHRPM 245 MUD WT 9 VIS 31 W/ NO LOSSES
5/20/2008	06:00 - 07:00	1.00	DRL	1	DRILL F/ 3410' TO 3424' (14' @ 14' P/HR) WOB 23 TO 25 DHRPM 255 MUD WT 9.1 VIS 31 W/ NO LOSSES UNABLE TO DRILL DUE TO HIGH TORQUE
	07:00 - 08:00	1.00	CIRC	1	CIR. BOTTOMS UP FLOW CHECK WELL STATIC PUMP SLUG
	08:00 - 10:30	2.50	TRP	2	TRIP OUT OF HOLE W/ HOLE OPENER ASSEMBLY W/ NO TIGHT HOLE OR PROBLEMS
	10:30 - 11:30	1.00	TRP	1	LAY DOWN HOLE OPENER, 6.5 MUD MOTOR, 8 3/4 BIT & 12 1/8 IBS M/U SLICK

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations	
5/20/2008	10:30 - 11:30	1.00	TRP	1	9" MUD MOTOR W/ REED 12.25 BIT.	
	11:30 - 13:30	2.00	TRP	2	TRIP IN HOLE	
	13:30 - 15:00	1.50	RIG	2	REPAIR TOP DRIVE	
	15:00 - 16:00	1.00	REAM	1	WASH & REAM F/ 3239' TO BOTTOM 3424'	
	16:00 - 17:00	1.00	RIG	1	RIG SERVICE	
	17:00 - 18:00	1.00	DRL	1	DRILL F/ 3424' TO 3455' (31' @ 31' P/HR) WOB 18 DHRPM 90 MUD WT 9.1 VIS 32	
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 3455' TO 3865' (410' @ 34.2' P/HR) WOB 20 TO 25 DHRPM 90 MUD WT 9.2 VIS 32 W/ NO LOSSES	
5/21/2008	06:00 - 17:00	11.00	DRL	1	DRILL F/ 3865' TO TD @ 4165' (300' @ 28' P/HR) WOB 20 TO 25 MUD WT 9.2 VIS 32 W/ NO LOSSES	
	17:00 - 17:30	0.50	CIRC	1	CIR. & CLEAN HOLE (SHAKER CLEAN)	
	17:30 - 18:30	1.00	TRP	2	WIPER TRIP NO HOLE PROBLEMS HOLE IS IN VERY GOOD CONDITION	
	18:30 - 19:30	1.00	CIRC	1	PUMP & CIR. SWEEP & CLEAN HOLE CLEAN FLOW CHECK OK PUMP SLUG DROP SURVEY	
	19:30 - 22:00	2.50	TRP	2	TOOH STRAP DRILL PIPE NO CORRECTION	
	22:00 - 23:30	1.50	TRP	1	L/D 8" DRILL COLLARS, MONEL & MOTOR	
	23:30 - 00:00	0.50	TRP	2	PULL WEAR BUSHING	
	00:00 - 03:00	3.00	CSG	1	R/UP ROCKY MOUNTAIN CASING CREW, P/UP MACHINE & FRANKS TORQUE TURN HOLD SAFETY MEETING	
5/22/2008	03:00 - 06:00	3.00	CSG	2	M/UP SHOE TRACK CHECK FLOAT EQUIPMENT OK RUN IN HOLE W/ 9 5/8 CASING	
	06:00 - 10:30	4.50	CSG	2	RUN 95 JOINTS OF 9 5/8", 46.1#, P-110, SLIJ-II-SMLS CASING AS FOLLOWS: SHOE AT 4145', FLOAT COLLAR AT 4054'. RAN 28 CENTRALIZERS EVERY 120' +/-, 2 ON SHOE TRACT.	
	10:30 - 11:30	1.00	CSG	1	RIG DOWN CASING CREWS/ BREAK CIRCULATION.	
	11:30 - 14:00	2.50	OTH	1	INSTALL CASING HEAD PACK OFF AND CEMENT ISOLATION TOOL. TESTED CEMENT PACK OFF TO 5000 PIS FOR 15 MINUTES.	
	14:00 - 16:00	2.00	CIRC	1	PRE JOB SAFETY MEETING. INSTALL CEMENT HEAD AND CIRCULATE BOTTOMS UP 2.5 TIMES.	
	16:00 - 19:00	3.00	CMT	2	CEMENT 9 5/8" FIRST INTERMEDIATE CASING AS FOLLOWS: PRESSURE TEST LINES TO 8,000 PSI, PUMP SPACER 10BBL. WATER, 50 BBL.S OF SUPER FLUSH, 30 BBL.S OF SCAVENGER CEMENT 7 PPG, PUMP 146 BBL.S 1st LEAD CEMENT 8.5 PPG, PUMP 95 BBL.S 2nd LEAD CEMENT 11 PPG, PUMP 60 BBL. TAIL CEMENT 14.3 PPG, DISPLACE WITH 298 BBL. OF 9.2 PPG MUD, PLUG BUMP AND FLOATS HELD PUMPED 55 BBL.S OF TOP OUT	
	19:00 - 20:00	1.00	CMT	1	RIG DOWN CEMENTERS	
	20:00 - 21:00	1.00	CMT	1	PULL CEMENT ISOLATION TOOL, AND LAY DOWN LANDING JT.	
	21:00 - 22:00	1.00	RIG	1	WORK ON TOP DRIVE	
	22:00 - 23:30	1.50	OTH	1	PUT BALES ON TOP DRIVE AND MOUSE HOLE IN TO TEST	
	23:30 - 04:00	4.50			TEST TOP DRIVE VALVES 250 LOW AND 10,000 HIGH GOOD, PICK UP TEST PLUG AND GET LOW TEST GO TO TEST HIGH COULDN'T GET HIGH TEST, PULL AND INSPECT LOOKED GOOD RESET TEST PLUG AND COULDN'T GET TO SEAL, WENT TO 109 AND BORROWED THERE PLUG, TRY TO TEST LOWER RAMS NO-GO, TRY TO TEST UPPER RAMS TESTED GOOD, (NEED TO CHANGE OUT BOTTOM RAMS)	
	5/23/2008	04:00 - 06:00	2.00	OTH		CHANGE OUT LOWER PIPE RAMS
		06:00 - 11:00	5.00	BOP	2	FINISH PUTTING IN NEW RAMS, ATEMPT TO TEST-TEST 500 PSI LOW, 10,000 PSI HIGH NO GOOD, PULLED JOINT OF DRILL PIPE (HAD WASH WHERE RAM SEALED), INSTALLED NEW JOINT AND COUNDN'T GET A TEST, PULLED FLEX PACKERS AND PUT 5" DRILL PIPE RUBBERS IN. (HAD A GOOD TEST)
11:00 - 14:00		3.00	BOP	2	TEST UPPER AND LOWER RAMS, BLIND RAMS, HCR VALVE, CHOKE MANIFOLD 500 PSI LOW AND 10,000 PSI HIGH, ANNULAR 500 PSI LOW, 5,500	

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/23/2008	11:00 - 14:00	3.00	BOP	2	PSI HIGH— LOWS AND HIGH'S 20 MIN- BLM WAS NOTIFIED-RAY ARNOLD VERBAL ON PHONE
	14:00 - 15:30	1.50	TRP	1	PICK UP BIT MOTOR, MONEL AND DRILL COLLARS (WHILE WAITING ON NEW WEAR BUSHING- EGGED FIRST)
	15:30 - 16:30	1.00	OTH		INSTALL WEAR BUSHING
	16:30 - 19:00	2.50	TRP	2	TRIP TAGGED @ 4057
	19:00 - 21:30	2.50	DRL	4	DRIL OUT FLOAT EQUIPMENT FLOAT 4059 SHOE @ 4147
	21:30 - 22:30	1.00	EQT	2	CIRCULATE AND PERFORM FIT TEST 9.3 + 868 PSI = 13.3 PPG EQUIV
	22:30 - 06:00	7.50	DRL	1	DRILL FROM 4175 TO 4340 (ROP 22' HR), WOB 12-25, DHRPM 162, MW 9.2, VIS 34, BG GAS 29
5/24/2008	06:00 - 15:00	9.00	DRL	1	DRILL FROM 4,330' TO 4,542'. (ROP 23.5' HR), WOB 25, DHRPM 152, MW 9.2, VIS 36, BG 25, DRILLING STEADY WITH A LITTLE BIT BOUNCE EVERY SO OFTEN
	15:00 - 15:30	0.50	RIG	1	SERVICE TOP DRIVE AND BLOCKS SWIVEL--(TOOK OIL SAMPLES OF TOPDRIVE)
	15:30 - 18:00	2.50	DRL	1	DRILL FROM 4,542 TO 4,597 (ROP 22' HR) SAME PERAMETERS
	18:00 - 23:30	5.50	DRL	1	DRILL FROM 4,597 TO 4,732 (ROP 24.5) HAD SOME HOLE SEEPAGE @ 4605' TOOK 17 BBL.S RIGHT AWAY--PUMPED SWEEP AND HEALED UP
	23:30 - 00:30	1.00	SUR	1	SURVEY @ 4657, INC. 1.2, AZ. 161.3
5/25/2008	00:30 - 06:00	5.50	DRL	1	DRILL FROM 4,732 TO 4866 (ROP 24.3' HR) RUN SAME PERRAMETERS
	06:00 - 14:30	8.50	DRL	1	DRILL FROM 4,866 TO 5,115 (ROP 29.3' HR) WOB 25-27, DHRPM 157, MW 9.0+, VIS 36, BG GAS 43, CONN GAS 192, HAVE SOME BIT BOUNCE DUE TO FORMATION'S
5/26/2008	14:30 - 15:00	0.50	RIG	1	SERVICE TOP DRIVE, BLOCKS, SWIVEL, CROWN, DRAW-WORKS
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 5,115 TO 5,211 (ROP 32' HR) WORK SAME PERAMETERS
	18:00 - 19:00	1.00	SUR	1	SURVEY @ 5137 DIR .8 AZ 145.4
	19:00 - 06:00	11.00	DRL	1	DRILL FROM 5,211 TO 5,460 (ROP 22.6' HR)
	06:00 - 13:30	7.50	DRL	1	DRILL FROM 5,460 TO 5,593 (ROP 17.7' HR) WOB 25-30, DHRPM 140-162, MW 9.1 VIS 36, BG GAS 29 CON GAS 738
	13:30 - 14:00	0.50	RIG	1	SERVICE TOP DRIVE AND BLOCKS AND SWIVEL
	14:00 - 16:00	2.00	DRL	1	DRILL FROM 5,593 TO 5,616 (ROP 11.5' HR) WORK ALL DIFFERNT PERRAMETERS, HAVING SOME BIT BOUNCE
	16:00 - 16:30	0.50	SUR	1	DROP SURVEY
5/27/2008	16:30 - 19:30	3.00	TRP	10	PUMP TRIP SLUG AND TRIP OUT OF HOLE
	19:30 - 20:00	0.50	TRP	10	CHANGE BIT AND CLEAN RIG FLOOR
	20:00 - 23:00	3.00	TRP	10	TRIP IN HOLE (NO TIGHT SPOTS)
	23:00 - 00:00	1.00	REAM	1	WASH AND REAM F/ 5497 TO 5,616 (HAD 3' OF OUT OF GAGE HOLE) AND FAN BOTTOM--START OFF WITH LIGHT WEIGHT TO BREAK IN BIT
	00:00 - 06:00	6.00	DRL	1	DRILL FROM 5,616 TO 5776 (ROP 26 .7' HR.) WOB 5-10, DHRPM 174, MW 9.2, VIS 34, BG GAS 18 -NO FLARES
	06:00 - 13:30	7.50	DRL	1	DRILL FROM 5,776 TO 5,973 (ROP 26.2' HR) WOB 5-10, DHRPM 175, MW 9.2, VIS 33, BG GAS 75, NO LOSSES--PUMPING SWEEPS
	13:30 - 14:00	0.50	RIG	1	SERVICE TOP DRIVE BLOCKS, SWIVEL
5/28/2008	14:00 - 21:00	7.00	DRL	1	DRILL FROM 5,973 TO 6,163 (ROP 27.1' HR) WORKING SAME PERAMETERS
	21:00 - 22:00	1.00	SUR	1	SURVEY 6092, DEG. 1.2, AZ 152.6
	22:00 - 06:00	8.00	DRL	1	DRILL 6,163 TO 6,405 (ROP 30.25' HR) WORKING SAME PERAMETERS
	06:00 - 12:30	6.50	DRL	1	DRILL FROM 6,405 TO 6,545 (ROP 21.5' HR) WOB 5-10,DHRPM 164, MW 9.2, VIS 34, BG 30
	12:30 - 13:00	0.50	RIG	1	SERVICE TOP DRIVE, SWIVEL, BLOCKS AND CROWN
5/28/2008	13:00 - 04:00	15.00	DRL	1	DRILL FROM 6,545 TO 7022' (ROP 31.8' HR) WOB 10/12, DHRPM 164, STROKES 65 X2, PSI 2335
	04:00 - 05:00	1.00	SUR	1	WIRE LINE SURVEY AT 6951'. INC 1.6, AZIMUTH 137.4
	05:00 - 06:00	1.00	DRL	1	DRILL FROM 7022' TO 7060'(ROP 38' HR.) WORKING SAME PERAMETERS

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/29/2008	06:00 - 11:00	5.00	DRL	1	DRILL FROM 7,060 TO 7,214 (ROP 30.8' HR) WOB 6-11, DHRPM 175, MW 9.1+, VIS 37, BG GAS 32, CONN GAS 490, (NO LOSSES),
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG, CHECK OIL IN SWIVEL, GREASE BLOCKS, DRAW-WORKS, SWIVEL, TOP-DRIVE—CHANGED FILTERS ON MUD PUMPS, (FIX LINER WASHER HOSE)
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 7,214 TO 7360 (ROP 24.3' HR) WOB 10-15, DHRPM 145-175, MW 9.2, VIS 37, BG GAS 35, (NO LOSSES)
	18:00 - 04:30	10.50	DRL	1	DRILL FROM 7,360 TO 7,611 (ROP 22.7' HR) WOB 5-17, 145-175, MW 9.2, VIS 38, BG GAS HAVE HIGH TORQUE TO NO TORQUE, BIT DIED COULDN'T GET TO DRILL LAST 220' HAD ALOT OF TORQUE- THE GB-9D WELL (200 YARDS AWAY) HAD ALOT OF TORQUE ALSO IN SAME INTERVUL
	04:30 - 05:30	1.00	CIRC	1	PUMP HI VIS SWEEP AND CIRCULATE OUT OF HOLE
5/30/2008	05:30 - 06:00	0.50	SUR	1	DROP SURVEY
	06:00 - 09:00	3.00	TRP	13	TRIP OUT OF HOLE FOR MOTOR FAILURE (6 3/4 BICO), BIT WAS IN GREAT SHAPE, STATOR WAS HANGING 2 3/8" LOWER THAN WHEN PUT INTO HOLE
	09:00 - 10:00	1.00	TRP	1	LAY DOWN AND PICK UP NEW MOTOR AND BIT AND CLEAN RIG FLOOR
	10:00 - 12:00	2.00	TRP	13	TRIP IN HOLE TO SHOE BREAK CIRCULATION
	12:00 - 12:30	0.50	OTH		INSTALL ROTATING RUBBER
	12:30 - 13:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP AT THE SHOE/ TO GET HEAVY TRIP SLUG OUT OF HOLE
	13:00 - 14:00	1.00	TRP	13	TRIP IN HOLE TO 7508
	14:00 - 14:30	0.50	REAM	1	WASH AND REAM FROM 7508 TO 7611(NO FILL)
	14:30 - 06:00	15.50	DRL	1	DRILL FROM 7611 TO 7930 (ROP 20.5' HR) WOB 10-15, DHRPM 135, MW 9.3, VIS 41, BG GAS 26, CON GAS 140, (NO LOSSES)
	5/31/2008	06:00 - 12:00	6.00	DRL	1
12:00 - 13:00		1.00	RIG	1	SERVICE TOP DRIVE, BLOCKS, SWIVEL, DRAW-WORKS
13:00 - 18:00		5.00	DRL	1	DRILL FROM 8,083 TO 8,196 (ROP 22.6' HR) WOB 10-16, DHRPVM 115-135, MW 9.3, VIS 40, BG 25, CONN GAS 130
6/1/2008	18:00 - 06:00	12.00	DRL	1	DRILL FROM 8196 TO 8505 (ROP 25.75' HR) WORK THE SAME PERRAMETERS
	06:00 - 11:00	5.00	DRL	1	DRILL FROM 8,505 TO 8,655 (ROP 30' HR) WOB 15, DHRPM 118, MW 9.3, VIS 40, BG GAS 30, CONN GAS 120
	11:00 - 12:00	1.00	RIG	1	SERVICE TOP DRIVE, DRAW-WORKS, BLOCKS, SWIVEL, TABLE
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 8,655 TO 8,838 (ROP 30.5' HR) WOB 15-18, DHRPM 100-120, MW 9.4, VIS 42, BG GAS 40, CON GAS 550
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 8,838 TO 9160 (ROP 26.8' HR) WORK SAME PERAMETERS BUT HAD SOME BIT BOUNCE @ 8870 CONTROLING WITH ROT., MW 9.4, VIS. 43, BG GAS 259, CON GAS 2600 12' FLARE—SEEPING 5 BBL.S HR—HEALING WITH LCM SWEEP—HEALED AT PRESENT TIME
6/2/2008	06:00 - 11:30	5.50	DRL	1	DRILL FROM 9,160 TO 9,323 (ROP 29.6' HR) WOB 15-18, DHRPM 105-125, MW 9.5, VIS 44, BG GAS 4200, CONN GAS 7654—4' FLARE
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE, SERVICE BLOCKS, SWIVEL, TOP DRIVE, CROWN
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 9,323 TO 9,484 (ROP 26.8' HR)WORKING SAME PERAMETERS, NO LOSSES
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 9,484 TO 9,840 (ROP 29.6' HR) WORKING THE SAME PERAMETERS—NO LOSSES
6/3/2008	06:00 - 11:30	5.50	DRL	1	DRILL FROM 9,840 TO 9,991 (ROP 27.5' HR.) WOB 15-18, DHRPM 120, MW 9.5, VIS 43, BG GAS 3300, CONN. 5,000
	11:30 - 12:00	0.50	RIG	1	SERVICE RIG, TOP DRIVE, BLOCKS AND SWIVEL
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 9,991 TO 10,145 (ROP 25.6' HR.) WORK THE SAME PERAMETERS
	18:00 - 22:00	4.00	DRL	1	DRILL FROM 10,145 TO 10,220 WORK THE SAME PERAMETERS, MOTOR STALLED AND PRESSURED UP

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/3/2008	22:00 - 22:30	0.50	SUR	1	CHECK FLOW AND DROP SURVEY
	22:30 - 23:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP, MW 9.7 HAD 3' FLARE
	23:30 - 04:00	4.50	TRP	10	TRIP OUT (HOLE FILL WAS 16 BBL.S OVER CALC.)
	04:00 - 05:00	1.00	TRP	1	BREAK BIT AND LAY DOWN AND PICK UP MUD MOTOR
	05:00 - 06:00	1.00	TRP	2	TRIP IN HOLE INSPECTING BHA
6/4/2008	06:00 - 11:00	5.00	TRP	2	INSPECT BHA WHILE TRIPPING IN HOLE EVERYTHING CHECKED OUT GOOD, BENT ONE JOINT OF HWDP BREAKING OUT-BOX WAS DRY-LAY DOWN BENT JOINT
	11:00 - 12:30	1.50	TRP	2	TRIP IN HOLE TO SHOE
	12:30 - 13:30	1.00	RIG	6	CUT AND SLIP DRILLING LINE
	13:30 - 14:00	0.50	CIRC	1	CIRCULATE OUT HEAVY TRIP SLUG @ SHOE
	14:00 - 17:00	3.00	TRP	2	TRIP IN HOLE (HOLE CLEAN)
	17:00 - 18:00	1.00	REAM	1	WASH AND REAM FROM 10,050 TO 10,220 HAD 3' HOLE FILL
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 10,220 TO 10,489 (ROP 22.4' HR) WOB 5-13, DHRPM 135, MW 9.7, VIS 43, BG GAS 5575, CON 7250-10' FLARE
6/5/2008	06:00 - 11:00	5.00	DRL	1	DRILL F/ 10489' TO 10634' (145' @ 29' P/HR) WOB 15/20 MUD WT 10.1 PPG VIS 42 W/ NO LOSSES
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE
	11:30 - 18:00	6.50	DRL	1	DRILL F/ 10634' TO 10798' (164' @ 26' P/HR) WOB 16/20 MUD WT 10.2 PPG VIS 43 W/ NO LOSSES
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 10798' TO 11035' (237' @ 20' P/HR) WOB 15/25 MUD WT 10.2 PPG VIS 43 DRILLING BREAK @ 10,875', AFTER DRILLING TOTAL 12' GAIN 18 BBL.S DURING DRILLING NEXT DRILLING BREAK @ 10,964 AGAIN PIT GAIN TOTAL 21 BBL.S D.BREAK @ 10,999 LOSSES @ 5 BBL.S
6/6/2008	06:00 - 11:00	5.00	DRL	1	DRILL F/ 11035' TO 11069' (34' @ 6.8' P/HR) WOB 20/25 MUD WT 10.2 VIS 44
	11:00 - 12:00	1.00	CIRC	1	CIR. & PUMP PILL & DROP SURVEY
	12:00 - 18:00	6.00	TRP	2	TRIP OUT OF HOLE W/ NO HOLE PROBLEMS
	18:00 - 20:30	2.50	TRP	1	CHANGE OUT MUD MOTOR, BIT & MONEL (THREADS DAMAGED PIN END ON MONEL)
	20:30 - 01:30	5.00	TRP	2	TRIP TO 8817' INSTALL ROTATE RUBBER
	01:30 - 02:30	1.00	CIRC	1	CIR. OUT ECD PILL @ 8817'
	02:30 - 04:00	1.50	TRP	2	TRIP IN HOLE TO 10885'
	04:00 - 04:30	0.50	REAM	1	WASH & REAM F/ 10885' TO BOTTOM @ 11069' W/ NO PROBLEMS OR FILL
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 11069' TO 11100' (31' @ 21' P/HR) WOB 8/10 MUD WT 10.3 VIS 42
6/7/2008	06:00 - 16:00	10.00	DRL	1	DRILL F/ 11100' TO 11303' (203' @ 20.3' P/HR) WOB 12/15 MUD WT 10.5 VIS 42
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 18:00	1.50	DRL	1	DRILL F/ 11303' TO 11335' (32' @ 21.4' P/HR) WOB 12/15 MUD WT 10.5 VIS 41
6/8/2008	18:00 - 06:00	12.00	DRL	1	DRILL F/ 11335' TO 11580' (245' @ 20.4' P/HR) WOB 12/15 MUD WT 10.8 VIS 43
	06:00 - 15:00	9.00	DRL	1	DRILL F/ 11580' TO 11782' (205' @ 23' P/HR) WOB 15 MUD WT 10.8 VIS 42
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
6/9/2008	15:30 - 18:00	2.50	DRL	1	DRILL F/ 11782' TO 11850' (68' @ 27.2' P/HR) WOB 12/15 MUD WT 10.8 VIS 40
	18:00 - 22:30	4.50	DRL	1	DRILL F/ 11850' TO 11973' (123' @ 27.5' P/HR) WOB 12/15 MUD WT 10.8 VIS 42
	22:30 - 00:00	1.50	CIRC	1	CIR. HOLE CLEAN FOR WIPER TRIP
	00:00 - 01:00	1.00	TRP	14	WIPER TRIP F/ 11973' TO 10965' W/ NO PROBLEMS
	01:00 - 03:30	2.50	CIRC	1	CIR. & CLEAN HOLE SPOT ECD PILL DROP SURVEY
	03:30 - 06:00	2.50	TRP	2	TRIP OUT OF HOLE TO LOG W/ SCH.
	06:00 - 10:30	4.50	TRP	2	TOOH F/ LOGS STRAP PIPE (NO CORRECTION 3.5' DIFFERENTS)
	10:30 - 11:30	1.00	OTH		CHANGE OUT ROTATING HEAD ASSEMBLY
	11:30 - 12:00	0.50	LOG	1	S/M & R/UP LOGGERS
	12:00 - 18:00	6.00	LOG	1	LOG HOLE W/ PLATFORM EXPRESS (ONE RUN STRAIGHT TRIPLE COMBO) F/ 11978' TO 4150' CONTINUE W/ CASE HOLE W/ GR + NEUTRON F/ 4150' TO 1500' GR TO SURFACE
18:00 - 19:30	1.50	LOG	1	RIG DOWN SCH. LOGGING TOOLS & EQUIPMENT	

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/9/2008	19:30 - 22:30	3.00	TRP	2	TIH W/ SLICK ASSEMBLY TO CASING SHOE @ 4150'
	22:30 - 23:30	1.00	RIG	6	CUT & SLIP DRILLING LINE
	23:30 - 01:30	2.00	TRP	2	TIH TO 8785'
	01:30 - 02:30	1.00	CIRC	1	CIR. OUT ECD PILL
	02:30 - 05:00	2.50	TRP	2	CONTINUE TO TRIP IN HOLE TIGHT HOLE @ 8910' - 8965' - 9425'
6/10/2008	05:00 - 06:00	1.00	CIRC	1	CIR. HOLE CLEAN & CONDITION MUD
	06:00 - 07:30	1.50	CIRC	1	CIR. & CONDITION MUD
	07:30 - 08:00	0.50	CIRC	1	SPOT ECD PILL ON BOTTOM
	08:00 - 09:00	1.00	TRP	2	TRIP OUT OF HOLE F/ 11973' TO 9485' W/ NO HOLE PROBLEMS
	09:00 - 10:00	1.00	TRP	2	S/M & R/UP ROCKY MOUNTAIN LAY DOWN MACHINE
	10:00 - 15:30	5.50	TRP	3	LAY DOWN DRILL PIPE
	15:30 - 16:30	1.00	TRP	2	TRIP IN HOLE W/ DRILL PIPE FROM DERRICK
	16:30 - 20:00	3.50	TRP	2	LAY DOWN DRILL PIPE & BHA
	20:00 - 21:00	1.00	TRP	2	PULL WEAR BUSHING
	21:00 - 23:00	2.00	CSG	1	S/M & RIG UP CASING CREW
6/11/2008	23:00 - 06:00	7.00	CSG	2	M/UP SHOE TRACK EQUIPMENT & RUN IN HOLE W/ 7" CASING
	06:00 - 13:00	7.00	CSG	2	RUN IN HOLE W/ 7" CASING & M/UP LANDING JT & AND LAND OFF IN MBS
	13:00 - 15:00	2.00	CIRC	1	STARTED CIR. @ 30 SPM W/ FULL RETURNS FOR 20 MINUTES OBSERVE RETURNS GETTING LESS AFTER 55 MINUTES NO RETURNS HOLE WAS FULL FLOW CHECK WELL STATIC 15 MIN.
	15:00 - 16:30	1.50	CIRC	1	LAY DOWN FILL UP TOOL & CASING EQUIPMENT
	16:30 - 19:00	2.50	CMT	2	INSTALL CAMERON SEAL ASSY. & P/TEST TO 10000 PSI - OK
	19:00 - 20:00	1.00	CMT	2	S/M & R/UP HAL. CEMENT HEAD
	20:00 - 23:00	3.00	CMT	2	ATTEMPT TO PREPARE FOR NITROGEN CEMENT JOB NITROGEN CMT TRUCK WOULD NOT PUMP WAIT FOR ONE FROM TOWN
	23:00 - 01:00	2.00	CMT	2	P/TEST LINES TO 10000 PSI OK PUMP 5 BBLS OF SUPER FLUSH & 10 BBLS WATER
					OBSERVE RETURNS COMING F/ C SECTION PACK OFF LEAKING ON CAMERON SEAL ASSY PULL OUT OF HOLE FOUND CUTTING AROUND SEAL ASSEMBLY CLEAN & RESET SEAL ASSY.
		01:00 - 06:00	5.00	CMT	2
6/12/2008	06:00 - 07:00	1.00	CMT	2	PUMP 10 BBLS FRESH W. PUMP 30 BBLS SUPER FLUSH XLC, PUMP 10 BBLS WATER BEHIND, PUMP 30 BBLS FOAM SCA. @ 14.3 FOAMED TO 7 PPG PUMP 1ST FOAM LEAD @ 14.3 PPG FOAMED @ 9.5 PPG 148 BBLS, PUMP 2ND FOAM LEAD @ 14.3 PPG FOAMED @ 7 PPG 225 BBLS, PUMP 56 BBLS UNFOAMED TAIL LEAD @ 14.3 PPG DROP PLUG DISPLACE W/ OBM 457 BBLS BUMP PLUG HELD 1500 PSI FOR 15 MIN OK RELEASE PRESSURE NO BACK FLOW PUMP CAP CEMENT 14.6 PPG 10 BBLS ATT. TO PUMP MORE CMT PUMP PRESSURE INCREASED TO 900 PSI & HOLDING SOLID BLEED OFF PRESSURE PREPARE TO R/D CEMENTERS
	07:00 - 07:30	0.50	CMT	1	RIG DOWN CEMENT HEAD & LINES
	07:30 - 10:00	2.50	RIG	2	CHANGE OUT LOWER PIPE RAMS
	10:00 - 18:00	8.00	BOP	2	P/TEST BOPS TO 250 PSI LOW & 10000 PSI HIGH TEST ANN. TO 250 PSI LOW & 7500 HIGH P/TEST CASING TO 1500 PSI NOTE: CLEAN MUD TANKS FOR OIL BASE MUD & RIG UP DRY CUTTING SHAKER & NEW CUTTING LINES TO REVERSE PIT
	18:00 - 19:00	1.00	TRP	2	INSTALL WEAR BUSHING
	19:00 - 22:00	3.00	OTH		CHANGE OUT LOW PRESSURE ROTATING HEAD TO HIGH PRESSURE
	22:00 - 00:00	2.00	OTH		S/M & R/UP ROCKY MOUNTAIN LAY DOWN MACHINE
	00:00 - 06:00	6.00	TRP	1	M/UP 6 1/8 BHA (NEW DRILL COLLARS) M/UP & BREAK OUT & RETORQUE ALL DRILL COLLARS

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/13/2008	06:00 - 17:30	11.50	TRP	2	PICK UP 4" STRING PIPE FROM PIPE RACK
	17:30 - 19:00	1.50	TRP	2	RIG DOWN LAY DOWN MACHINE
	19:00 - 20:00	1.00	RIG	6	CUT & SLIP DRILLING LINE 92' TOTAL
	20:00 - 21:00	1.00	TRP	2	INSTALL ROTATING HEAD RUBBER
	21:00 - 22:30	1.50	DRL	4	DRILL OUT LANDING COLLAR & SHOE
	22:30 - 23:00	0.50	DRL	1	DRILL F/ 11973' TO 11985'
	23:00 - 23:30	0.50	EQT	2	CIR. HOLE CLEAN & CONDUCT FIT TO 16 PPG EQUIVALENT GOOD TEST
	23:30 - 03:00	3.50	DRL	1	DRILL F/ 11985' TO 12093' (108' @ 31' P/HR) WOB 2/4 MUD WT 13.7 PPG VIS 52
	03:00 - 06:00	3.00	WCL	1	OBSERVE FLOW P/UP FLOW CHECK WELL FLOWING SHUT IN WELL SICP @ 915 PSI W/ 13.7 PPG MUD IN HOLE RAISE MUD WT TO 14.4 & KILL WELL FLOW CHECK OK
6/14/2008	06:00 - 08:00	2.00	WCL	1	CONTINUE TO CIR. KILL MUD DOWN W/ RETURNS THROUGH CHOKE (KILL MUD 14.4 PPG) CHECK FLOW WELL STATIC
	08:00 - 18:00	10.00	DRL	1	DRILL F/ 12093' TO 12477' (384' @ 39' P/HR) WOB 8/10 MUD WT 14.4 VIS 51
6/15/2008	18:00 - 06:00	12.00	DRL	1	DRILL F/ 12477' TO 13100' (623' @ 52' P/HR) WOB 8/10 MUD WT 14.4 VIS 53
	06:00 - 11:00	5.00	DRL	1	DRILL F/ 13100' TO 13444' (344' @ 68.8' P/HR) WOB 8/10 MUD WT 14.6 VIS 48
	11:00 - 12:00	1.00	CIRC	1	CIR. OUT GAS & RAISED MUD WT TO 14.8 (75' FLARE FOR 15 MINUTES)
	12:00 - 15:30	3.50	DRL	1	DRILL F/ 13444' TO 13613' (169' @ 48.3' P/HR) WOB 8/10 MUD WT 14.8 VIS 51
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE
6/16/2008	16:00 - 18:00	2.00	DRL	1	DRILL F/ 13613' TO 13712' (99' @ 49.6' P/HR) WOB 8/10 MUD WT 14.8 VIS 49
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 13712' TO 14270' (558' @ 47' P/HR) WOB 8/10 MUD WT 14.8 VIS 51
	06:00 - 16:30	10.50	DRL	1	DRILL F/ 14270' TO 14851' (581' @ 55.4' P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 52
					W/ NO LOSSES
	16:30 - 17:30	1.00	RIG	1	RIG SERVICE
	17:30 - 18:00	0.50	DRL	1	DRILL F/ 14851' TO 14862' (11' @ 22' P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 51
					W/ NO LOSSES
	18:00 - 21:00	3.00	DRL	1	DRILL F/ 14862' TO 14968' 106' @ 35.5 P/HR) WOB 8/10 MUD WT 14.8 PPG VIS 45
6/17/2008	21:00 - 01:30	4.50	CIRC	1	CIR HOLE CLEAN & SPOT ECD PILL & DROP SURVEY
	01:30 - 06:00	4.50	TRP	2	TRIP OUT OF HOLE (MOTOR FAILURE)
	06:00 - 09:00	3.00	TRP	2	TRIP OUT OF HOLE TO BHA
	09:00 - 10:00	1.00	TRP	2	CHANGE OUT MUD MOTOR & BIT
	10:00 - 18:00	8.00	TRP	2	TRIP IN HOLE W/ NEW 6 1/8 BIT & MUD MOTOR TO 13250'
	18:00 - 19:00	1.00	CIRC	1	CIR. OUT ECD PILL @ 13250 RETURNS THROUGH CHOKE FLARE @ BOTTOMS UP 60' FOR 15 MINUTES PIT GAIN 36 BBLS
	19:00 - 20:00	1.00	TRP	2	TRIP IN HOLE TO 14803' (W/ NO HOLE PROBLEMS TIH) HOLE IS GOOD SHAPE
	20:00 - 20:30	0.50	REAM	1	WASH & REAM F/ 14803' TO BOTTOMS @ 14968' W/ NO FILL
	20:30 - 22:30	2.00	CIRC	1	CIR. OUT ECD PILL W/ RETURNS GOING THROUGH CHOKE FLARE @ 50' FOR 5 MINUTES PIT GAIN 24 BBLS
	22:30 - 06:00	7.50	DRL	1	DRILL F/ 14968' TO 15,215' (247' @ 33' P/HR) WOB 8/10 MUD WT 15 VIS 46 W/ NO LOSSES NO HOLE PROBLEMS
6/18/2008	06:00 - 09:00	3.00	DRL	1	DRILL F/ 15215' TO 15330 (115' @ 38.4' P/HR) WOB 8/10 MUD WT 15 PPG VIS 47
	09:00 - 10:00	1.00	RIG	1	RIG SERVICE
	10:00 - 18:00	8.00	DRL	1	DRILL F/ 15330' TO 15607' (277' @ 35' P/HR) WOB 8/10 MUD WT 15 PPG VIS 51
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 15607' TO 15906' (304' @ 25.3' P/HR) WOB 8/10 MUD WT 15 PPG VIS 48
6/19/2008	06:00 - 10:00	4.00	DRL	1	DRILL FROM 15,906 TO 15,920 (ROP 3.5' HR) WORK ALL DIFFERNET PERAMETERS TO GET TO DRILL NO GO
	10:00 - 10:30	0.50	SUR	1	DROP SURVEY AND CHECK FOR FLOW 1/4" STREAM

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/19/2008	10:30 - 13:00	2.50	CIRC	1	CIRCULATE BOTTOMS UP AND SPOT ECD SLUG
	13:00 - 20:00	7.00	TRP	10	TRIP OUT OF HOLE
	20:00 - 21:00	1.00	TRP	1	LAY DOWN AND PICK UP MOTOR AND BIT
	21:00 - 02:00	5.00	TRP	10	TRIP IN HOLE TEST MOTOR AND TRIP IN HOLE FILL @ BHA AND EVERY 4,000' TO SHOE
	02:00 - 03:00	1.00	OTH		CHANGE OUT SAVER SUB ON TOP DRIVE
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 30' FLARE
	04:00 - 05:00	1.00	TRP	10	TRIP IN TO 14,087
6/20/2008	05:00 - 06:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ 14,087
	06:00 - 07:00	1.00	TRP	10	TRIP FROM 14,078 TO 15,716
	07:00 - 07:30	0.50	REAM	1	WASH FROM 15,716 TO 15,920 NO HOLE FILL
	07:30 - 08:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP 25' FLARE
	08:00 - 06:00	22.00	DRL	1	DRILL FROM 15,920' TO 16047'.(ROP 5.8' HR) WOB 6/14, RPM 75/85, PUMP PSI 3850/3950. MW 12.1, VIS 45-BG GAS 2556- NO FLARE
6/21/2008	06:00 - 09:00	3.00	DRL	1	DRILL FROM 16,047 TO 16,053
	09:00 - 09:30	0.50	SUR	1	DROP SURVEY AND CHECK FLOW
	09:30 - 11:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP AND SPOT ECD PILL.
	11:00 - 18:00	7.00	TRP	10	TRIP FOR BIT #11.
	18:00 - 19:00	1.00	TRP	10	CHANGE OUT BIT #11 AND HUNTING MUD MOTOR.
	19:00 - 19:30	0.50	RIG	1	SERVICE RIG.
	19:30 - 23:30	4.00	TRP	10	TIH, TEST MUD MOTOR AT BHA AND FILL PIPE EVERY 4000' TO SHOE.
	23:30 - 00:30	1.00	RIG	6	CUT AND SLIP DRILLING LINE
	00:30 - 02:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 25' FLARE
	02:00 - 03:00	1.00	TRP	10	TRIP IN HOLE TO 13,862
	03:00 - 04:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP, TOP HALF OF ECD PILL. 45' FLAIR. 2282U.
6/22/2008	04:30 - 05:30	1.00	TRP	10	TRIP IN HOLE TO 15,875.
	05:30 - 06:00	0.50	REAM	1	WASH IN HOLE FROM 15,875' TO 16,053'. (NO HOLE FILL 178')
	06:00 - 10:30	4.50	DRL	1	DRILL 6 1/8" HOLE FROM 16,053' TO 16,096'.
	10:30 - 11:00	0.50	RIG	1	SERVICE RIG, TOP DRIVE, BLOCKS, SWIVEL, CROWN
	11:00 - 20:30	9.50	DRL	1	DRILL FROM 16,096' TO 16,155 (ROP 6.2' HR) WOB 5-16, DHRPM 85, MW 15.1, VIS 45, 2' DRILLING FLARE-CORE POINT
	20:30 - 22:00	1.50	CIRC	1	CIRCULATE UP SAMPLE FROM 16,155
	22:00 - 23:00	1.00	CIRC	1	SPOT ECD SLUG 150 BBL. 17.0# IN OPEN HOLE
6/23/2008	23:00 - 06:00	7.00	TRP	2	TRIP TO PICK UP CORE BARREL
	06:00 - 07:00	1.00	TRP	1	LAY DOWN BHA, MOTOR, MONEL, IBS, JARS
	07:00 - 09:30	2.50	TRP	1	PICK UP CORE BARREL AND SPACE OUT INNER BARREL, CORE HEAD, JARS, FLOAT SUB, PUMP OUT SUB
	09:30 - 10:30	1.00	RIG	1	SERVICE TOP DRIVE, DRAWWORKS, BLOCKS, SWIVEL
	10:30 - 16:00	5.50	TRP	2	TRIP IN HOLE, FILL PIPE @ BHA, EVERY 4,000'
	16:00 - 18:00	2.00	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 15' FLARE (HAD PUMP PROBLEMS AND WIND BLEW BREAKING SASH CORD HOLDING PIPE HAD 6 STANDS FALL OUT)
	18:00 - 19:00	1.00	TRP	2	TRIP IN HOLE TO 14,170. 40' FLAIR WITH 24 BBL GAIN.
	19:00 - 20:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ 14,170.
	20:00 - 21:00	1.00	TRP	2	TIH TO BOTTOM AT 15,980'.
	21:00 - 21:30	0.50	REAM	1	WASH IN HOLE FROM 15,980' TO 16,155'. 2' OF FILL.
	21:30 - 22:30	1.00	CIRC	1	CIRCULATE FINAL BOTTOMS UP. 20' FLAIR.
6/24/2008	22:30 - 06:00	7.50	GEO	2	CORE 6 1/4" HOLE FROM 16,155 TO 16,174'. 19'. ROP 2.5', WOB 12/13, RPM 50, PSI 2775, PUMP STKS 42.
	06:00 - 07:00	1.00	GEO	2	CORE 6 1/4" HOLE FROM 16174' TO 16,175-TOTAL OF 20' OF CORE-ATEMPT TO GET CORE TO DRILL LOST ALL TORQUE AND WOULDN'T DRILL OFF, PRESSURED UP
	07:00 - 08:30	1.50	GEO	2	ATEMPT TO GET CORE TO DRILL LOST ALL TORQUE AND WOULDN'T DRILL

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/24/2008	07:00 - 08:30	1.50	GEO	2	OFF, PRESSURED UP
	08:30 - 10:30	2.00	CIRC	1	CIRCULATE UP BOTTOMS UP AND SPOT ECD SLUG
	10:30 - 17:00	6.50	TRP	2	TRIP OUT OF HOLE USING PIPE SPINNERS
	17:00 - 17:30	0.50	OTH		LAY DOWN INTER CORE BARREL, RETRIEVED ~14 1/2'
	17:30 - 19:30	2.00	TRP	1	PICK UP NEW INTER BARREL-
	19:30 - 20:00	0.50	TRP	2	TRIP IN HOLE
	20:00 - 20:30	0.50	RIG	2	HAD TWO LOOSE WRAPS ON DRAW-WORK DRUM, HANG BLOCKS AND RESPOOL DRILLING LINE
	20:30 - 01:00	4.50	TRP	2	TRIP I HOLE FILL @ BHA AND EVERY 4,000
	01:00 - 02:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE TO GET TRIP SLUG OUT
	02:00 - 03:00	1.00	TRP	2	TRIP IN HOLE TO 13,960
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE ECD SLUG OUT OF HOLE @ 13,960 HAD 45' FLARE 32 BBL. GAIN
	04:00 - 05:00	1.00	TRP	2	TRIP IN HOLE TO 16,043
	05:00 - 05:30	0.50	REAM	1	WASH TO BOTTOM F 16,043
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE ECD SLUG OUT OF HOLE
6/25/2008	06:00 - 07:00	1.00	CIRC	1	CIRCULATE ECD SLUG OUT OF HOLE.
	07:00 - 20:00	13.00	GEO	2	CORE FROM 16,175 TO 16,195 (ROP 1.53' HR) LOST TORQUE COULDN'T GET TO DRILL LAST 2 HOURS CORED 1' STARTED TO PRESSURE UP ALSO
	20:00 - 21:30	1.50	CIRC	1	CIRCULATE AND SPOT ECD SLUG 150 BBL @ 17.0 PPG
	21:30 - 05:00	7.50	TRP	2	TRIP OUT OF HOLE WITH CORE TREAIVED ~20' CORE
6/26/2008	05:00 - 06:00	1.00	TRP	1	BREAK OFF BIT, LAY DOWN JARS, CIRC SUB, FLOAT SUB, INTER BARREL, OUT BARREL
	06:00 - 11:30	5.50	TRP	10	MAKE BIT AND BHA, TRIP IN HOLE FILL EVERY 4,000'
	11:30 - 12:00	0.50	OTH		INSTALL ROTATING HEAD
	12:00 - 13:00	1.00	RIG	6	CUT AND SLIP DRILLING LINE
	13:00 - 14:30	1.50	CIRC	1	FILL PIPE AND CIRCULATE BOTTOMS UP @ SHOE 15' FLARE
	14:30 - 15:30	1.00	TRP	10	TRIP IN HOLE TO 14,026
	15:30 - 17:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP @ 14,026- 45' FLARE
	17:00 - 18:00	1.00	TRP	10	TRIP IN HOLE TO 16,046
	18:00 - 18:30	0.50	REAM	1	WASH AND REAM FROM 16,046 TO 16,195 NO FILL
	18:30 - 19:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP AND START PATTERN ON BOTTOM WITH NEW BIT
6/27/2008	19:30 - 06:00	10.50	DRL	1	DRILL FROM 16,195 TO 16,237. (ROP 4' HR) WOB 4-9, DHRPM 240, MW 15.0, VIS 50, BG GAS 400-NO FLARE, SEEPAGE IF FLOW RATE IS OVER 205 GPM
	06:00 - 15:00	9.00	DRL	1	DRILL FROM 16,237 TO 16,275. 38'. ROP 4'. WOB 10/11. PUMP STK 49. PSI 3400. MM RPM 201, ROTARY 50
	15:00 - 16:30	1.50	CIRC	5	CIRCULATE SAMPLE UP.
	16:30 - 17:00	0.50	TRP	14	SHORT TRIP OUT 10 STANDS-DIDN'T SEE ANY
	17:00 - 17:30	0.50	OTH		CHANGE OUT ROTATING HEAD RUBBER (LEAKING OVER TOP OF HEAD)
	17:30 - 18:30	1.00	TRP	14	TRIP IN HOLE SLOW (NO HOLE FILL) TRIP WAS SLICK NO HANG UPS
	18:30 - 20:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP TO LOG HAD 35' FLARE AND SPOT ECD SLUG (135 BBLS OF 17PPG IN OPEN HOLE)
	20:30 - 04:00	7.50	TRP	2	TRIP OUT FOR LOG'S (STRAP OUT OF HOLE)SLM-16,282.61
	04:00 - 06:00	2.00	LOG	1	HOLD SAFETY MEETING WITH LOGGERS AND LOG PRODUCTION HOLE- TRIPLE COMBO-SONIC—NEXT LOG IS OIL BASE MICRO IMAGING LOG
	6/28/2008	06:00 - 07:00	1.00	LOG	3
07:00 - 10:00		3.00	LOG	3	LOGGING TRUCK CAN'T PULL UP TOOLS, 12,100', (MECHANIC FIXED SOME PARTS ON HYDRULIC PUMP)
10:00 - 13:30		3.50	LOG	3	LOG OPEN HOLE TRIPLE COMBO-PLAT FORM EXPRESS, LOGGING DEPTH 16,300.5
13:30 - 14:30		1.00	LOG	3	LOGGING TRUCK OVER HEATED (8230')
14:30 - 16:30		2.00	LOG	3	PULL LOG OUT OF HOLE
16:30 - 17:30		1.00	LOG	3	CHANGE OUT LOGGING TRUCKS
17:30 - 22:00		4.50	LOG	3	RUN OIL BASE MICRO IMAGING LOG DEPTH 16,300

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name: AIR

Spud Date: 4/26/2008
 Rig Release: 4/30/2008
 Rig Number: 8

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/28/2008	22:00 - 23:30	1.50	LOG	3	RIG DOWN LOGGERS
	23:30 - 04:00	4.50	TRP	15	TRIP IN HOLE FILL PIPE BHA AND EVERY 4,000'
	04:00 - 05:00	1.00	CIRC	1	CIIRCULATE BOTTOMS UP @ SHOE
6/29/2008	05:00 - 06:00	1.00	TRP	15	TRIP IN HOLE TO 14,329
	06:00 - 07:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ 14,329 50' FLARE 40 BBL GAIN
	07:00 - 08:00	1.00	TRP	15	TRIP IN HOLE TO 16,146
	08:00 - 08:30	0.50	REAM	1	WASH FROM 16,146 TO 16,275 NO FILL
	08:30 - 12:30	4.00	CIRC	1	CIRCULATE BOTTOMS UP X 2 AND SPOT ECD SLUG OF 150 BBL15.8# MUD IN OPEN HOLE
	12:30 - 14:00	1.50	TRP	2	TRIP OUT TO SHOE TO LAY DOWN DRILL PIPE
	14:00 - 14:30	0.50	TRP	3	RIG UP LAY DOWN TRUCK
6/30/2008	14:30 - 16:00	1.50	TRP	3	LAY DOWN DRILL PIPE TO 10,100 (PIPE CAME WET)
	16:00 - 16:30	0.50	CIRC	1	PUMP DRY SLUG
	16:30 - 23:00	6.50	TRP	3	LAY DOWN DRILL PIPE
	23:00 - 23:30	0.50	OTH		RIG DOWN LAY DOWN POLE
	23:30 - 01:00	1.50	TRP	3	RUN 45 STAND'S IN HOLE
	01:00 - 06:00	5.00	TRP	3	LAY DOWN DRILL PIPE AND BHA
	06:00 - 06:30	0.50	TRP	1	LAY DOWN BHA-BREAK BIT MOTOR AND CROSS OVERS
	06:30 - 07:30	1.00	OTH		PULL HIGH PRESSURE HEAD AND PULL WEAR BUSHING
	07:30 - 09:30	2.00	CSG	1	RIG UP CASING CREW
	09:30 - 18:00	8.50	CSG	2	RUN 4 1/2" PRODUCTION CASING TO 11,986
	18:00 - 18:30	0.50	OTH		INSTALL ROTATING HEAD RUBBER @ SHOE
	18:30 - 20:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 15' FLARE
	20:00 - 21:00	1.00	CSG	2	RUN 4 1/2" PRODUCTION CASING TO 13,917
	21:00 - 22:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP 40' FLARE
	22:30 - 00:30	2.00	CSG	2	RUN 4 1/2" PRODUCTION CASING TO 16,275 (CIRCULATE LAST 4 JT'S DOWN) TAG BOTTOM AND PICK UP 4' CIRCULATE
7/1/2008	00:30 - 01:30	1.00	CSG	1	RIG DOWN CASING CREW WHILE CIRCULATING BOTTOMS UP 10' FLARE
	01:30 - 02:00	0.50	CMT	1	PUT CEMENT HEAD ON AND RIG UP IRON
	02:00 - 03:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP THROUGH CEMENT HEAD
	03:30 - 06:00	2.50	CMT	2	HOLD SAFETY MEETING TALKED TO GAYLAND RICH WITH BLM 6-28-08 ~2:00 PM ABOUT CEMENTING
	06:00 - 07:00	1.00	CMT	2	CEMENT 4 1/2" CASING, BUMPED FLOATS, HELD FOR 5 MIN BLED BACK 7 1/2 BBL'S BACK
	07:00 - 10:00	3.00	BOP	1	RIG DOWN DRIP PAN, KILL LINE FLOW LINE, CHOKE LINE,/ CLEAN MUD TANKS
	10:00 - 12:00	2.00	BOP	1	HOLD SAFETY MEETING, RIG UP WINCHES AND LIFT STACK
	12:00 - 13:00	1.00	CSG	7	SET CASING SLIPS 195,000 IN SLIPS, ROUGH CUT CASING
	13:00 - 14:00	1.00	BOP	1	SET DOWN STACK AND RIG DOWN WINCHES
	14:00 - 18:00	4.00	LOC	4	CLEAN RIG FLOOR TO LAY DOWN TOP DRIVE,BREAK CONNECTIONS ON TOP DRIVE
	18:00 - 06:00	12.00			LAY DOWN TOP DRIVE, KELLY HOSE, ELECTRIC LINES, KNOCK FLARE LINES LOOSE, GAS BUSTER, LAY DOWN ROTARY TOOLS, R/D MUD TANKS,(RIG RELEASED 0600 AM. 7/1/2008

CONFIDENTIAL

Operations Summary Report - Completion

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name:

Spud Date: 4/26/2008
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/15/2008	08:00 - 21:00	13.00	LOG	2	MIRU LONE WOLF ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS AND TAG CORRELATED PBSD AT 16,283'. PRESSURE UP TO 4,000 PSI AND LOG UP TO 30'. EST. TOC AT SURFACE. BLEED PRESSURE TO ZERO AND POOH. RDMO ELU. TOOLS QUIT WORKING MULTIPLE TIMES BEFORE FINALLY GETTING A LOG.
7/16/2008	06:00 - 06:00	24.00	LOC	4	SETTING IPS FBE
7/17/2008	06:00 - 06:00	24.00	WOT	4	WOFC
7/18/2008	12:00 - 15:00	3.00	WHD	2	NU 4 1/16" FRAC TREE, SCHOONER HCR AND STINGER FRAC HEAD. SET WORK STAND.
7/19/2008	06:00 - 06:00	24.00	WOT	4	WOFC
7/20/2008	06:00 - 06:00	24.00	WOT	4	WOFC
7/25/2008	09:00 - 15:00	6.00	WOT	4	NU FBE. PRESSURE TEST FRAC TREE & FBE TO 12,000 PSI. TEST WAS GOOD.
7/26/2008	07:00 - 11:00	4.00	PERF	2	MIRU OWP ELU. MU & RIH WITH 2.5" GUNS. SHOOT 12 HOLES FROM 16,180' TO 16,184'. 900 PSI WHEN GUNS WERE FIRED. 50 PSI WITH GUNS AT SURFACE.
	11:00 - 13:00	2.00	STIM	1	MIRU HES EQUIPMENT AND PUMP 10 BBLS BREAK DOWN TEST. OPEN WELL W/ 0 PSI. BREAK PERFS DOWN @ 8.0 BPM & 10,500 PSI. PUMPED 8.0 BPM @ 7,990 PSI INTO PERFS. ISIP= 6,780 PSI. 5 MIN= 4,746 PSI. 10 MIN= 3,958 PSI. 15 MIN= 3,417. PUMPED A TOTAL OF 19 BBLS.
7/27/2008	13:00 - 06:00	17.00	PTST	2	MONITOR PRESSURE WITH HES QUARTZ GUAGES.
	07:00 - 10:00	3.00	PTST	2	OPEN WELL WITH 0 PSI. SHUT WELL BACK IN AT 10:00 AM. NO GAS OR FLUID FLOW.
	10:00 - 15:00	5.00	LOC	4	MIRU HES FRAC EQUIPMENT.
	15:00 - 06:00	15.00	PTST	2	MONITOR PRESSURE WITH HES QUARTZ GUAGES.
7/28/2008	06:00 - 11:00	5.00	WOT	2	WAITING ON HES ELU TO FIX PROBLEMS.
	11:00 - 12:15	1.25	PERF	2	PERF STG #1B WITH 1- 4' & 4- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE WITH 0 PSI. SHOOT 42 HOLES FROM 16,019' TO 16,159'.
	12:15 - 13:00	0.75	STIM	3	FRAC STAGE #1A & 1B WITH 1,404 BBLS 35# HYBOR-G CARRYING 71,600 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 49.1 BPM. AVG PSI= 10,469.
	13:00 - 16:00	3.00	PERF	2	PERF STG #2 WITH 10- 1' & 2- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 15,930' WITH 7,500 PSI. SHOOT 42 HOLES FROM 15,150' TO 15,899'.
	16:00 - 18:00	2.00	STIM	3	FRAC STAGE #2 WITH 800 GAL. 15% HCL AT 10 BPM, 2,459 BBLS SLICKWATER CARRYING 30,700 LBS# 30/60 SINTERLITE SAND. AVG RATE= 29.2 BPM. AVG PSI= 10,711.
	18:00 - 21:00	3.00	PERF	2	PERF STG #3 WITH 4- 1' & 5- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 15,030' WITH 8,000 PSI. SHOOT 42 HOLES FROM 14,440' TO 14,996'.
7/29/2008	06:00 - 08:45	2.75	STIM	3	FRAC STAGE #3 WITH 800 GAL. 15% HCL AT 10 BPM, 2,352 BBLS SLICKWATER CARRYING 40,100 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 31.7 BPM. AVG PSI= 11,023
	08:45 - 11:10	2.42	PERF	2	PERF STG #4 WITH 12- 1' & 1- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 14,260' WITH 8,000 PSI. SHOOT 42 HOLES FROM 13,539' TO 14,229'.
	11:10 - 13:00	1.83	STIM	3	FRAC STAGE #4 WITH 800 GAL. 15% HCL AT 10 BPM, 2,406 BBLS SLICKWATER CARRYING 39,900 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 36.1 BPM. AVG PSI= 10,225.
	13:00 - 15:00	2.00	PERF	2	PERF STG #5 WITH 7- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 13,440' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,750' TO

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name:

Spud Date: 4/26/2008
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/29/2008	13:00 - 15:00	2.00	PERF	2	13,410'.
	15:00 - 16:30	1.50	STIM	3	FRAC STAGE #5 WITH 800 GAL. 15% HCL AT 10 BPM, 2,431 BBLs SLICKWATER CARRYING 42,500 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 36.1 BPM. AVG PSI= 10,145.
	16:30 - 18:30	2.00	PERF	2	PERF STG #6 WITH 7- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 12,570' WITH 7,000 PSI. SHOOT 42 HOLES FROM 12,058' TO 12,547'.
	18:30 - 20:00	1.50	STIM	3	FRAC STAGE #6 WITH 800 GAL. 15% HCL AT 10 BPM, 2,437 BBLs SLICKWATER CARRYING 40,600 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 44.7 BPM. AVG PSI= 8,062.
7/30/2008	06:00 - 08:00	2.00	PERF	2	PERF STG #7 WITH 6- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 11,730' WITH 5,000 PSI. SHOOT 36 HOLES FROM 11,515' TO 11,702'.
	08:00 - 09:30	1.50	STIM	3	FRAC STAGE #7 WITH 800 GAL. 15% HCL AT 10 BPM, 2,349 BBLs SLICKWATER CARRYING 35,800 LBS# 30/60 & 20/40 SINTERLITE SAND. AVG RATE= 40.6 BPM. AVG PSI= 6,389.
	09:30 - 11:00	1.50	PERF	2	PERF STG #8 WITH 14- 1' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 11,000' WITH 4,600 PSI. SHOOT 42 HOLES FROM 10,432' TO 10,978'.
	11:00 - 12:30	1.50	STIM	3	FRAC STAGE #8 WITH 800 GAL. 15% HCL AT 10 BPM, 2,943 BBLs SLICKWATER CARRYING 71,300 LBS# 30/50 SB EXCEL SAND. AVG RATE= 48.4 BPM. AVG PSI= 6,179.
	12:30 - 14:00	1.50	PERF	2	PERF STG #9 WITH 12- 1' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 10,190' WITH 4,200 PSI. SHOOT 36 HOLES FROM 10,053' TO 10,164'.
	14:00 - 15:45	1.75	STIM	3	FRAC STAGE #9 WITH 800 GAL. 15% HCL AT 10 BPM, 2,933 BBLs SLICKWATER CARRYING 70,900 LBS# 30/50 SB EXCEL SAND. AVG RATE= 43.3 BPM. AVG PSI= 5,728.
	15:45 - 17:15	1.50	PERF	2	PERF STG #10 WITH 6- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 9,470' WITH 3,500 PSI. SHOOT 36 HOLES FROM 9,166' TO 9,445'.
	17:15 - 18:00	0.75	STIM	3	FRAC STAGE #10 WITH 800 GAL. 15% HCL AT 10 BPM, 1,974 BBLs SLICKWATER CARRYING 42,200 LBS# 30/50 SB EXCEL SAND. AVG RATE= 42.3 BPM. AVG PSI= 6,027.
	18:00 - 19:30	1.50	PERF	2	PERF STG #11 WITH 6- 1' & 3- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 9,090' WITH 3,000 PSI. SHOOT 36 HOLES FROM 8,865' TO 9,072'.
	19:30 - 22:30	3.00	STIM	3	FRAC STAGE #11 WITH 800 GAL. 15% HCL AT 10 BPM, 2,024 BBLs SLICKWATER CARRYING 47,661 LBS# 30/50 SB EXCEL SAND. AVG RATE= 43.2 BPM. AVG PSI= 5,103. RDMO HES & OWP ELU.
7/31/2008	06:00 - 22:00	16.00	DRL	6	MIRU IPS CTU, SPIRIT FLUID SYSTEM, AND IPS GCDOE. MU QES 2 7/8" MOTOR/JARS WITH 3.55" 5-BLADE LUNK MILL. NU AND TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 7 PLUGS IN 5 HRS. CONTINUE IN HOLE AND DRILL ON PLUG #8 AT 14,210' FOR 3 HRS. PUMP FINAL SWEEP AND POOH. ND STACK AND DISCOVERED BOTTOM SECTION OF MOTOR ASSEMBLY HAD PARTED. SDFN
8/1/2008	22:00 - 06:00	8.00	WOT	4	WAIT ON FISHING TOOLS.
	06:00 - 13:00	7.00	FISH	5	MIRU J&C CRANE AND SGHOONER LUBRICATOR. MU QES 3.625" OVERSHOT DRESSED WITH 2 7/8" GRAPPLE. RIH AND TAG FISH AT 14,229'. WORK SERVAL TIMES TRYING TO LATCH FISH. POOH WITHOUT FISH.
	13:00 - 20:00	7.00	FISH	5	MU QES 3.625" OVERSHOT DRESSED WITH 1 7/16" GRAPPLE. RIH AND TAG FISH AT 14,209'. WORK SERVAL TIMES AND POOH WITH OUT FISH.
	20:00 - 06:00	10.00	WOT	4	WAITING ON ORDERS AS TO WHAT TOOLS TO RUN.

CONFIDENTIAL

Operations Summary Report

Well Name: GB 15D-27-8-21
 Location: 27- 8-S 21-E 26
 Rig Name:

Spud Date: 4/26/2008
 Rig Release:
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/2/2008	06:00 - 00:30	18.50	FISH	5	MU QES 3.00" WASH PIPE WITH 1 7/16" GRAPPLE. RIH AND TAG FISH AT 14,220'. WORK SERVAL TIMES TRYING TO LATCH FISH. POOH WITHOUT FISH. MU AND RBIH WITH 3.00" WASH PIPE WITH 1.61" GRAPPLE. TAG FISH AT 14,210'. POOH WITH OUT FISH. MU AND RBIH WITH 1.59" GRAPPLE. TAG FISH AT 14,215'. POOH WITH 800 LBS OVER PULL WITHOUT FISH. RDMO CTU.
	00:30 - 06:00	5.50	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/3/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/4/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/5/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/6/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/7/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
8/8/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH PRODUCTION EQUIPMENT.
9/12/2008	06:00 - 06:00	24.00	PTST	2	NU 4 1/16" 15K FRAC TREE. RU IPS MANIFOLD AND OPEN TOP TANK. OPEN WELL WITH 3,400 PSI. PRESSURE DROPPED TO 120 PSI AND FISH MOVED INTO WELLHEAD. MIRU HOT OIL TRUCK AND PUMPED FISH CLEAR OF WELLHEAD. MI AND NU SCHOONER HCR, 20' OF 4 1/16" LUBRICATOR AND FLOWCROSS. OPEN WELL TO TANK THROUGH IPS MANIFOLD AND CAUGHT FISH IN LUBRICATOR. SI AND RD FLOWCROSS, LUBRICATOR AND HCR. ALL FISH ON BANK. RU IPS MANIFOLD TO TANK. OPEN WELL AND PLUGGED OFF WITH PLUG PARTS TWO TIMES. SI AND SDFN.
9/17/2008	06:00 - 06:00	24.00	LOG	4	MIRU PLS SLU. MU SPANG JARS AND 1.75" HOLE GAUGE. OPEN WELL AND RIH 4'. TAG SOMETHING SOLID. POOH AND RDMO SLU. FLOWING TO SALES THROUGH PRODUCTION EQUIPMENT.
9/19/2008	06:00 - 21:00	15.00	DRL	6	MIRU IPS CTU, SPIRIT FLUIDS AND IPS MANIFOLD. MU QES 2 7/8" MOTOR/JARS AND 3.55" 5 BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND CLEAN OUT TO FC DEPTH OF 16,273'. PUMP 20 BBL SWEEP AND POOH TO 4,000' AND LOST RETURNS. RBIH RO 8,000' AND START PUMPING N2 AT 400 SCFM/1/2 BPM FLUID WHILE POOH. RDMO DRILLOUT EQUIPMENT. PUT WELL TO SALES THROUGH PRODUCTION EQUIPMENT. FINAL REPORT UNTIL FUTHER ACTIVITY.

CONFIDENTIAL

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

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

2. Name of Operator
Questar Exploration & Production Co.

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

3a. Phone No. (include area code)
(435)781-4342

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 766' FSL, 2160' FEL, SWSE, SEC 27-T8S-R21E

766' FSL, 2160' FEL, SWSE, SEC 27-T8S-R21E

At top prod. interval reported below

At total depth 766' FSL, 2160' FEL, SWSE, SEC 27-T8S-R21E

14. Date Spudded
04/26/2008

15. Date T.D. Reached
06/26/2008

16. Date Completed 08/03/2008
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
4804' KB

18. Total Depth: MD 16275'
TVD

19. Plug Back T.D.: MD 16273'
TVD

20. Depth Bridge Plug Set: MD N/A
TVD

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

GR/CBL, THREE-DETECTOR LITHO COMP NEUTRON & ARRAY INDUCTION TOOL

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
17-1/2"	13-3/8"	54.5		530'		500 SXS		SURF - CIRC	
12-1/4"	9-5/8"	47		4145'		1320 SXS		SURF - CIRC	
8-1/2"	7"	26 & 29		11958'		1586 SXS			
6-1/4"	4-1/2"	15.1/16.6		16275'		665 SXS		SURF - CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A								

25. Producing Intervals

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

26. Perforation Record

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

Depth Interval	Amount and Type of Material
SEE ATTACH. REPORT	

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
8/3/2008	8/5/2008	24	→	0	3059	1741			FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
22/64	SI N/A	3640	→					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.	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)

RECEIVED

CONFIDENTIAL

OCT 27 2008

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
WASATCH	5679'			DAKOTA SILT	15817'
MESA VERDE	8610'			DAKOTA	16017'
CASTLEGATE	11118'			TD	16275'
BLACKHAWK	11429'				
MANCOS	11871'				
MANCOS B	12341'				
FRONTIER	14951'				

32. Additional remarks (include plugging procedure):

GEOLOGIST REPORTS:

GREEN RIVER 2330'
MAHOGANY 3132'

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 (d/c)* Date 10/22/2008

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

**GB 15D 27 8 21 – Attachment Report
PERFORATION DETAIL:**

Open Perfs	Stimulation					Perf Status
8865' – 8866'	Frac w/	47,661	Lbs in	85,008	Gals	Open – Mesa Verde
8875' – 8876'						Open – Mesa Verde
8875' – 8876'						Open – Mesa Verde
8879' – 8880'						Open – Mesa Verde
8897' – 8898'						Open – Mesa Verde
8901' – 8902'						Open – Mesa Verde
8910' – 8911'						Open – Mesa Verde
9060' – 9062'						Open – Mesa Verde
9065' – 9067'						Open – Mesa Verde
9070' – 9072'						Open – Mesa Verde
9166' – 9168'	Frac w/	42,200	Lbs in	82,908	Gals	Open - LMV
9173' – 9175'						Open - LMV
9431' – 9433'						Open - LMV
9436' – 9438'						Open - LMV
9441' – 9443'						Open - LMV
9443' – 9445'						Open - LMV
10053' – 10054'	Frac w/	70,900	Lbs in	123,186	Gals	Open - LMV
10083' – 10084'						Open - LMV
10090' – 10092'						Open - LMV
10100' – 10101'						Open - LMV
10111' – 10112'						Open - LMV
10142' – 10143'						Open - LMV
10145' – 10146'						Open - LMV
10151' – 10152'						Open - LMV
10154' – 10155'						Open - LMV
10159' – 10160'						Open - LMV
10161' – 10162'						Open - LMV
10163' – 10164'	Open - LMV					
10432' – 10433'	Frac w/	71,300	Lbs in	123,606	Gals	Open - LMV
10464' – 10465'						Open - LMV
10556' – 10557'						Open - LMV
10578' – 10579'						Open - LMV
10697' – 10698'						Open - LMV
10702' – 10703'						Open - LMV
10846' – 10847'						Open - LMV
10850' – 10851'						Open - LMV
10881' – 10882'						Open - LMV
10926' – 10927'						Open - LMV
10933' – 10934'						Open - LMV
10942' – 10943'						Open - LMV
10951' – 10952'						Open - LMV
10977' – 10978'						Open - LMV

CONFIDENTIAL

11515' - 11517'	}	Frac w/	35,800	Lbs in	98,658	Gals	Open - Blackhawk
11517' - 11519'							Open - Blackhawk
11580' - 11582'							Open - Blackhawk
11584' - 11586'							Open - Blackhawk
11666' - 11668'							Open - Blackhawk
11700' - 11702'							Open - Blackhawk
12058' - 12060'	}	Frac w/	40,600	Lbs in	102,354	Gals	Open - Mancos
12083' - 12085'							Open - Mancos
12189' - 12191'							Open - Mancos
12310' - 12312'							Open - Mancos 'B'
12330' - 12332'							Open - Mancos 'B'
12388' - 12390'							Open - Mancos 'B'
12545' - 12547'	Open - Mancos						
12750' - 12752'	}	Frac w/	42,500	Lbs in	102,102	Gals	Open - Mancos
12950' - 12952'							Open - Mancos
13078' - 13080'							Open - Mancos
13124' - 13126'							Open - Mancos
13223' - 13225'							Open - Mancos
13341' - 13343'							Open - Mancos
13408' - 13410'	Open - Mancos						
13539' - 13540'	}	Frac w/	39,900	Lbs in	101,052	Gals	Open - Mancos
13550' - 13551'							Open - Mancos
13583' - 13584'							Open - Mancos
13617' - 13618'							Open - Mancos
13657' - 13658'							Open - Mancos
13726' - 13727'							Open - Mancos
13781' - 13783'							Open - Mancos
13820' - 13821'							Open - Mancos
13862' - 13863'							Open - Mancos
13933' - 13934'							Open - Mancos
13990' - 13991'							Open - Mancos
14063' - 14064'	Open - Mancos						
14228' - 14229'	Open - Mancos						
14440' - 14442'	}	Frac w/	40,100	Lbs in	98,784	Gals	Open - Mancos
14516' - 14517'							Open - Mancos
14533' - 14534'							Open - Mancos
14587' - 14589'							Open - Mancos
14651' - 14653'							Open - Mancos
14695' - 14697'							Open - Mancos
14836' - 14837'							Open - Mancos
14954' - 14955'							Open - Frontier
14994' - 14996'	Open - Frontier						

CONFIDENTIAL

15150' - 15152'						Open - Frontier
15156' - 15157'						Open - Frontier
15207' - 15208'						Open - Frontier
15233' - 15234'						Open - Frontier
15398' - 15399'						Open - Frontier
15452' - 15453'						Open - Frontier
15481' - 15483'						Open - Frontier
15546' - 15547'	Frac w/	30,700	Lbs in	103,278	Gals	Open - Frontier
15624' - 15625'						Open - Frontier
15782' - 15783'						Open - Frontier
15830' - 15831'						Open - Dakota Silt
15898' - 15899'						Open - Dakota Silt
16019' - 16023'						Open - Dakota
16049' - 16051'						Open - Dakota
16121' - 16123'						Open - Dakota
16147' - 16149'	Frac w/	71,600	Lbs in	58,966	Gals	Open - Dakota
16157' - 16159'						Open - Dakota
16180' - 16184'						Open - Dakota C

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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.

UTU-0803

6. If Indian, Allottee or Tribe Name

UTE INDIAN TRIBE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
QUESTAR EXPLORATION & PRODUCTION CO.

CONTACT: Mike Stahl

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

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

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

766' FSL 2160' FEL, SWSE, SECTION 27, T8S, R21E

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

8. Well Name and No.
GB 15D-27-8-21

9. API Well No. 43-047-39662

10. Field and Pool or Exploratory Area
NATURAL BUTTES

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 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 GB 15D-27-8-21. 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 and Mesa Verde intervals. Based upon offset production logs, the proposed initial allocation is as follows: Mancos - 50% ; Mesa Verde - 50%.

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: 4-14-2009

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 03/12/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Don McHurt

Title

Ret. Eng.

Date

4/13/09

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

DOGAN

Federal Approval Of This
Action Is Necessary

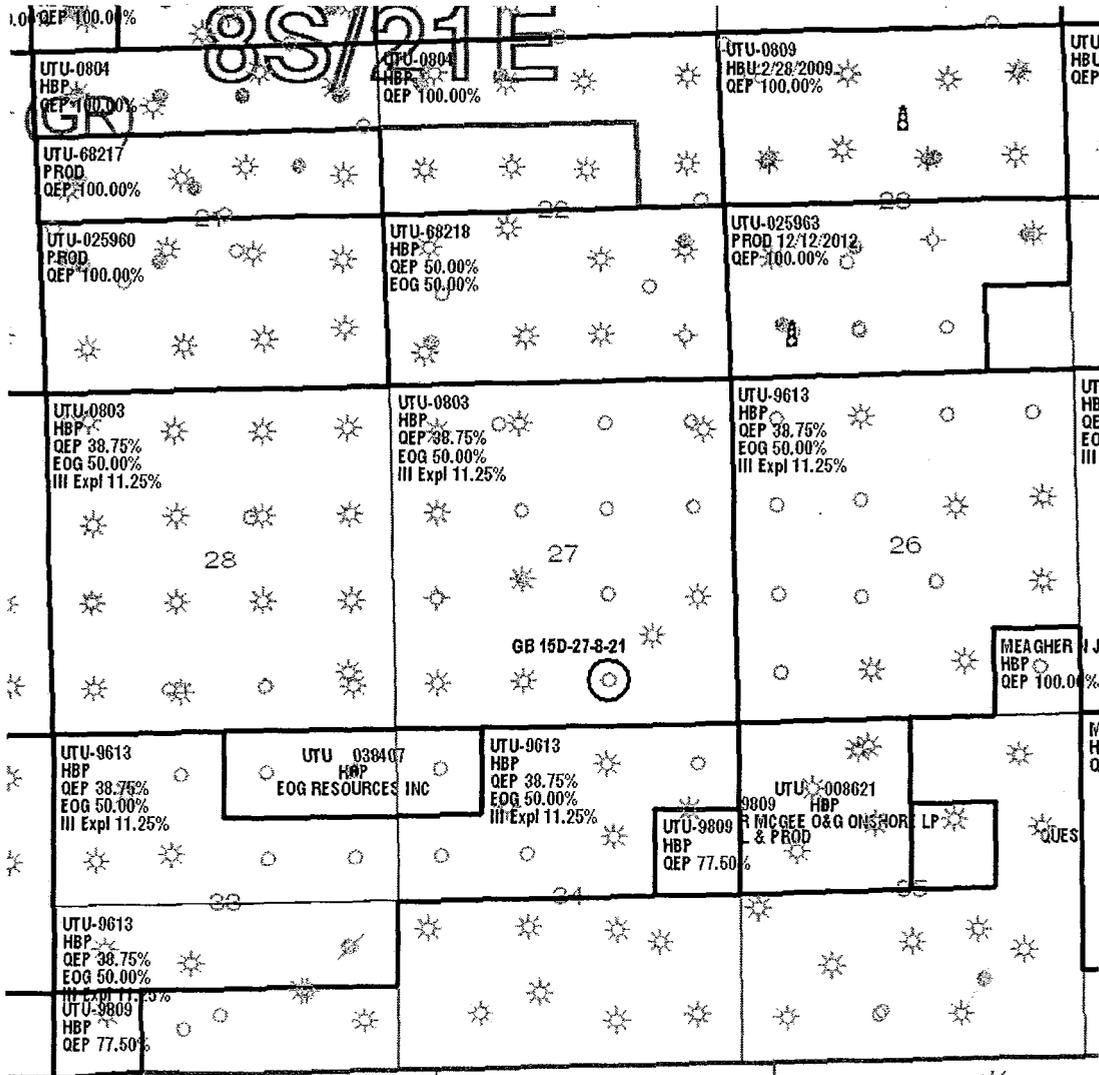
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

MAR 16 2009

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



T8S-R21E

**Tw/Kmv
COMMINGLED PRODUCTION**
Uinta Basin—Uintah County, Utah

Well: GB 15D-27-8-21
Lease: UTU 0803

○ Commingled well

QUESTAR
Exploration and
Production

1050 17th St., # 500 Denver, CO 80265

Geologist:	
Landman: Chad Matney	
Date: September 16, 2008	

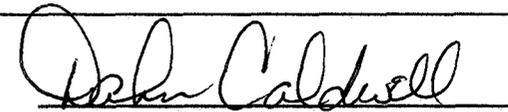
OPERATOR: **Questar Exploration & Production Co.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078 (435)781-4342

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	16830	16830	43-047-39662	GB 15D 27 8 21	SWSE	27	8S	21E	Uintah	4/26/08	3/1/09
WELL 1 COMMENTS: <i>MMFB</i>										CONFIDENTIAL <i>4/14/09</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)


Signature

Office Administrator 4/10/09
Title Date

Phone No. (435)781-4342

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

(3/89)

RECEIVED
APR 13 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

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

CA No.

Unit:

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

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

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

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

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

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

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

(See Instructions on Reverse Side)

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

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

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
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	

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
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	

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
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

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
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