Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

005

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RED WASH U 34-27C	27	070S	240E	4304735045		Federal	GW	APD	C
WV EXT 1W-17-8-21	17	080S	210E	4304734927		Federal	GW	APD	C
WV EXT 8W-17-8-21	17	080S	210E	4304734929	13792	Federal	GW	DRL	C
N DUCK CREEK 9M-22-8-21	22	080S	210E	4304734901		Federal	GW	APD	C
N DUCK CREEK 11M-22-8-21	22	080S	210E	4304734902		Federal	GW	APD	C
NDC 10W-25-8-21	25	080S	210E	4304734923		Federal	GW	APD	C
N DUCK CREEK 3M-27-8-21	27	080S	210E	4304734900		Federal	GW	APD	C
NDC 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	DRL	C
NDC 9M-27-8-21	27	080S	210E	4304734956		Federal	GW	APD	C
NDC 1M-27-8-21	27	080S	210E	4304734957		Federal	GW	APD	C
NDC 15M-28-8-21	28	080S	210E	4304734958		Federal	GW	APD	C
GB 7W-36-8-21	36	080S	210E	4304734893		State	GW	APD	
GB 3W-36-8-21	36	080S	210E	4304734894	13791	State	GW	DRL	
GB 5W-36-8-21	36	080S	210E	4304734925	13808	State	GW	DRL	
GB 4W-36-8-21	36	080S	210E	4304734926		State	GW	APD	
WRU EIH 9W-26-8-22	26	080S	220E	4304735047		Federal	GW	APD	C
NC 8M-32-8-22	32	080S	220E	4304734897		State	GW	APD	
NC 3M-32-8-22	32	080S	220E	4304734899		State	GW	APD	
NC 11M-32-8-22	32	080S	220E	4304735040		State	GW	NEW	
WRU EIH 10W-35-8-22	35	080S	220E	4304735046	13544	Federal	GW	DRL	C

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: **YES** Business Number: 5292864-0151
5. If NO, the operator was contacted contacted on: ____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **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: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/11/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/11/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** 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:

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UT-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

1a. Type of Work: ☒ DRILL ☐ REENTER

CONFIDENTIAL

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
NORTH DUCK CREEK 9M-27-8-21

2. Name of Operator
SHENANDOAH ENERGY INC.

Contact: JOHN BUSCH
E-Mail: john.busch@questar.com

9. API Well No.
43-047-34956

3a. Address
11002 E. 17500 S.
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.4341
Fx: 435.781.4323

10. Field and Pool, or Exploratory
NATURAL BUTTES

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

At surface NESE 1891FSL 590FEL 4438815Y 40.09222
625165X -109.53177

At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 27 T8S R21E Mer SLB

14. Distance in miles and direction from nearest town or post office*
20 +/- MILES SOUTHWEST OF REDWASH, UTAH

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
590' +/-

16. No. of Acres in Lease
1280.00

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
1000' +/-

19. Proposed Depth
12500 MD
12500 TVD

20. BLM/BIA Bond No. on file
UT-1237

21. Elevations (Show whether DF, KB, RT, GL, etc.
4796 KB

22. Approximate date work will start

23. Estimated duration
10 DAYS

24. Attachments

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

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

25. Signature — Name (Printed/Typed): JOHN BUSCH — Date: 05/08/2003

Title: OPERATIONS

Federal Approval of this Action is Necessary

Approved by (Signature) — Name (Printed/Typed): BRADLEY G. HILL — Date: 05-15-03

Title — Office: ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the applicant holds 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, are attached.

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.

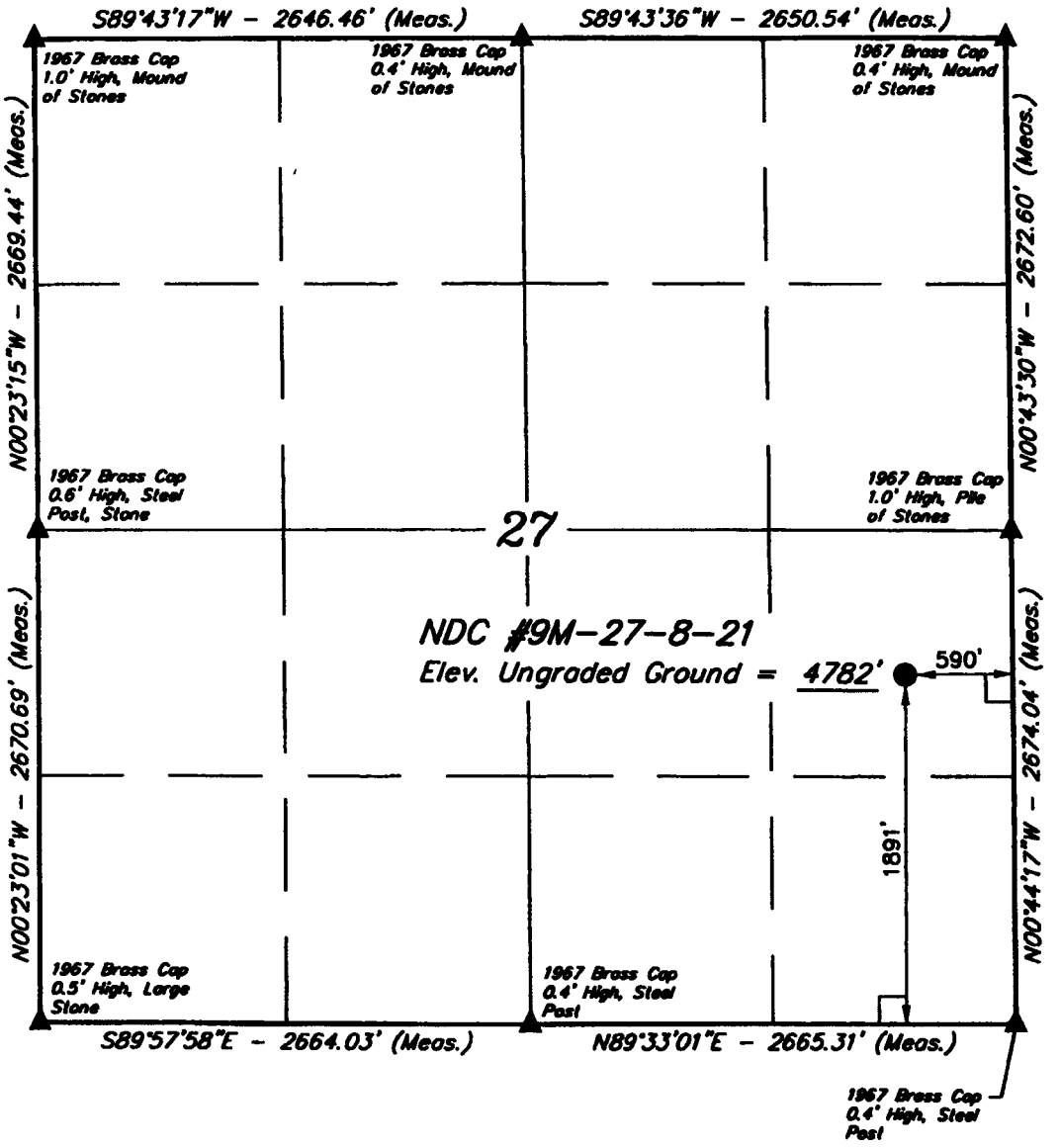
Additional Operator Remarks (see next page)

Electronic Submission #20769 verified by the BLM Well Information System
For SHENANDOAH ENERGY INC., sent to the Vernal

RECEIVED
MAY 0 9 2003
DIV. OF OIL, GAS & MINING

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°05'31.52" (40.092089)

LONGITUDE = 109°31'56.92" (109.532478)

QUESTAR EXPLORATION & PRODUCTION

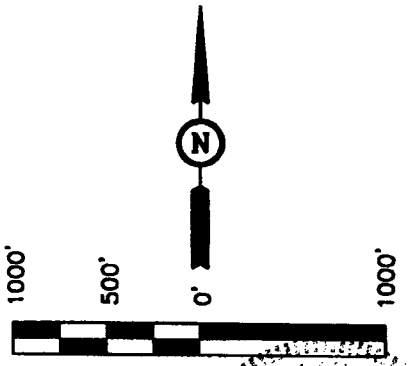
Well location, NDC #9M-27-8-21, located as shown in the NE 1/4 SE 1/4 of Section 27, T8S, R21E, S.L.B.&M. Uintah County, Utah.

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.



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

SCALE: 1" = 1000'	DATE SURVEYED: 03-06-03	DATE DRAWN: 03-10-03
PARTY: D.A. J.A. D.COX	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: QUESTAR EXPLORATION & PRODUCTION	

002

SHENANDOAH ENERGY INC.
NORTH DUCK CREEK 9M-27-8-21
1891' FSL, 590' FEL
NESE, SECTION 27, T8S, R21E, SLB&M
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 West of Ouray, Utah.

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

There will be no improvements made to existing access roads.

2. **Planned Access Roads:**

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

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

Please refer to Topo Map C.

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

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

A containment dike will be constructed completely around those production facilities which contains fluids (I.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The use of topsoil of the construction of dikes will not be allowed. All loading lines will be placed inside the berm surrounding tank battery. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Tan (174/FEB 141) unless the BLM/VFO AO determines that another color shall be used. Surface pipeline will be 3" zaplocked steel surface line. Pipeline will be zaplocked on location and than pulled into place using a rubber tired tractor.

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

Fresh water for drilling purposes will be obtained from Wonsits Valley Water Right #36125, or Red Wash Right #49-2153.

6. **Source of Construction Materials:**

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

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

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

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

8. **Ancillary Facilities:**

None anticipated.

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

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

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

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

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

11. Surface Ownership:

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

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

12. Other Information

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

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:

Formation	Depth	Prod. Phase Anticipated
Uinta	Surface	
Green River	2392'	
Mahongy	3107'	
Wasatch	5677'	
Mesa Verde	8625'	
Blackhawk	11390'	
Mancos B	12205'	
TD	12500'	

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

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

Substance	Formation	Depth
Oil/Gas	Mancos	12500'

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 no 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 #36125 or where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

3. Operator's Specification for Pressure Control Equipment:

A. 3,000 psi till 9 5/8 is set, 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)

B. Functional test daily

C. All casing strings shall be pressure tested (0.2 psi/foot or 2500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	Depth	Hole Size	Csg Size	Type	Weight
Surface	700'	17-1/2"	13-3/8"	H-40	48lb/ft (new) ST&C
Intermediate	4400'	12 –1/4"	9-5/8"	N-80	40lb/ft (new) LT&C
Intermediate	5677'	12 –1/4"	9-5/8"	S-95	40lb/ft (new) LT&C
Production	11390'	8 –3/4"	4 –1/2"	HCP-110*	11.6lb/ft (new)LT&C
Production	12500'	8 –3/4"	4 –1/2"	P-110	13.5lb/ft (new)LT&C

*High Collapse P-110

5. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – no

DRILLING PROGRAM

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:

F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

H. Compressor shall be tied directly to the blooie line through a manifold.

I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

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

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

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

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

6. Testing, logging and coring program

A. Cores – none anticipated

B. DST – none anticipated

DRILLING PROGRAM

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

C. Formation and Completion Interval: Mancos interval, final determination 0f completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

Casing	Volume	Type & Additives

*See attached calculations

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

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5000.0 psi. Maximum anticipated bottom hole temperature is 140° F.

Lessee's or Operator's Representative:

John Busch
Red Wash Operations Rep.
Shenandoah Energy Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4341

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.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

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

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

John Busch — May 08-03

John Busch
Red Wash Operations Representative

Date

Additional Operator Remarks:

Shenandoah Energy Inc. proposes to drill a well to 12500' to test the Mancos. If productive, casing will be run and the well will be completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See attached Multi- Point and Surface Use along with the 8 point drilling program.

See Onshore Order No. 1 attached

Please be advised that Shenandoah Energy Inc. agree 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. UT-1237. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.

Questar Exploration And Production
1331 17th Street Suite 300
Denver, Colorado 80202

NDC 9M-27-8-22 /

Uintah County, Utah
United States of America

Cementing Recommendation And Cost Estimate

Prepared for:
April 11, 2003
Version: 1

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

HALLIBURTON

HALLIBURTON

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

Foreword

Enclosed is our recommended procedure for cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

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

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

Prepared by: _____
John Jorgensen
Procedure Analyst

Submitted by: _____
Rob Kruger
Technical Advisor

SERVICE CENTER: Vernal Utah
SERVICE COORDINATOR: Dale Horrald
OPER. ENGINEER: Mike Stahl
PHONE NUMBER:(800)874-2550

Job Information

13 3/8" Surface

NDC 9M-27-8-2[illegible]

Well Intervals:

17 1/2" Open Hole		0 - 700 ft (MD)
		0 - 700 ft (TVD)
	Inner Diameter	17.500 in
	Job Excess	50 %
13 3/8" Surface		0 - 700 ft (MD)
		0 - 700 ft (TVD)
	Outer Diameter	13.375 in
	Inner Diameter	12.615 in
	Linear Weight	54.50 lbm/ft
	Job Excess	0 %

Spacer:

Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Cement : (700.00 ft fill)

700.00 ft * 0.6946 ft^3/ft * 50 %	= 729.37 ft^3
Primary Cement	= 729.37 ft^3
	= 129.91 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.868 ft^3/ft	= 36.45 ft^3
	= 6.49 bbl
Tail plus shoe joint	= 765.82 ft^3
	= 136.40 bbl
Total Tail	= 639 sks

Total Pipe Capacity:

700.00 ft * 0.868 ft^3/ft	= 607.58 ft^3
	= 108.21 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 108.21 bbl - 6.49 bbl
	= 101.72 bbl

Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water Ahead

Fluid Density:	8.40 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Primary Cement

Premium Plus Cement

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

Fluid Weight	15.60 lbm/gal
Slurry Yield:	1.20 ft^3/sk
Total Mixing Fluid:	5.25 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	700 ft
Volume:	136.40 bbl
Calculated Sacks:	639.25 sks
Proposed Sacks:	640 sks

Fluid 3: Water Spacer

Displacement

Fluid Density:	8.33 lbm/gal
Fluid Volume:	101.72 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water Ahead	8.4	3.0	20 bbl
2	Cement	Premium Plus V	15.6	3.0	640 sks
3	Spacer	Displacement	8.3	3.0	101.72 bbl

HALLIBURTON

Cost Estimate — 13 3/8" Surface

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7521	PSL - CMT SURFACE CASING - BOM	1	JOB	0.00	0.00	47%	0.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	4.41	352.80	47%	186.98
	Number of Units	1					
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	2.60	208.00	47%	110.24
	Number of Units	1					
16091	ZI - PUMPING CHARGE	1	EA	2,405.00	2,405.00	47%	1,274.65
	DEPTH	700					
	FEET/METRES (FT/M)	FT					
	EQUIPMENT & SERVICES						
	SubTotal			**USD**	**2,965.80**	**47.0%**	**1,571.87**
100005048	HOWCO GEL	4	SK	26.44	105.76	47%	56.05
100003167	PLUG - CMTG - TOP PLASTIC - 13-3/8	1	EA	510.00	510.00	47%	270.30
100012205	PREMIUM PLUS CEMENT	640	SK	17.58	11,251.20	47%	5,963.14
100005053	CALCIUM CHLORIDE	16	SK	122.40	1,958.40	47%	1,037.95
100005049	FLOCELE	160	LB	2.71	433.60	47%	229.81
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN	40	MI	1.51	1,857.90	47%	984.69
	NUMBER OF TONS	30.76					
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	669	CF	2.47	1,652.43	47%	875.79
	NUMBER OF EACH	1					
	MATERIALS						
	SubTotal			**USD**	**17,769.29**	**47.0%**	**9,417.73**
100004730	SHOE,GID,13 3/8 8RD,CEM	1	EA	489.00	489.00	43%	278.73
100004852	COLLAR-FLOAT- 13-3/8 8RD 48-72#/FT -	1	EA	1,085.00	1,085.00	43%	618.45
100004631	CLAMP - LIMIT - 13-3/8 - HINGED -	1	EA	38.00	38.00	43%	21.66
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	43%	10.51
100004487	CENTRALIZER-13 3/8"-CSG-17 1/2"-HINGED	10	EA	186.90	1,869.00	43%	1,065.33
	FLOAT EQUIPMENT						
	SubTotal			**USD**	**3,499.43**	**43.0%**	**1,994.68**
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	66.24	66.24		66.24
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	39.74	39.74		39.74
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	0.24	19.20		19.20
	Number of Units	1					
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	0.08	6.40		6.40
	Number of Units	1					
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	40	TNM	0.08	98.43		98.43
	NUMBER OF TONS	30.76					
	SURCHARGES						
	SubTotal			**USD**	**230.01**	**0.0%**	**230.01**
	Total			**USD**			**24,464.54**
	Discount			**USD**			**11,250.25**
	Discounted Total			**USD**			**13,214.29**

HALLIBURTON

Primary Plant:	Vernal, UT, USA	**Price Book Ref:**	01 Western US
Secondary Plant:	Vernal, UT, USA	**Price Date:**	4/1/2001

NDC 9M-27-8-2[illegible]

Well Intervals:

13 3/8" Surface		0 - 700 ft (MD)
		0 - 700 ft (TVD)
	Outer Diameter	13.375 in
	Inner Diameter	12.615 in
	Linear Weight	54.50 lbm/ft
	Job Excess	0 %
12 1/4" Open Hole		700 - 5677 ft (MD)
		700 - 5677 ft (TVD)
	Inner Diameter	12.250 in
	Job Excess	50 %
9 5/8" Intermediate		0 - 5677 ft (MD)
		0 - 5677 ft (TVD)
	Outer Diameter	9.625 in
	Inner Diameter	8.921 in
	Linear Weight	36 lbm/ft
	Job Excess	0 %

Spacer:

Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Cement : (3677.00 ft fill)

700.00 ft * 0.3627 ft^3/ft * 0 %	= 253.88 ft^3
2977.00 ft * 0.3132 ft^3/ft * 50 %	= 1398.54 ft^3
Total Lead Cement	= 1652.42 ft^3
	= 294.31 bbl
Sacks of Cement	= 433 sks

Cement : (2000.00 ft fill)

2000.00 ft * 0.3132 ft^3/ft * 50 %	= 939.56 ft^3
Tail Cement	= 939.56 ft^3
	= 167.34 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.4341 ft^3/ft	= 18.23 ft^3
	= 3.25 bbl
Tail plus shoe joint	= 957.79 ft^3
	= 170.59 bbl
Total Tail	= 785 sks

Total Pipe Capacity:

5677.00 ft * 0.4341 ft^3/ft	= 2464.19 ft^3
	= 438.89 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 438.89 bbl - 3.25 bbl
	= 435.64 bbl

Fluid Instructions

Fluid 1: Water Based Spacer
Gel Water Ahead

Fluid Density:	8.40 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Lead Cement
Halliburton Hi-Fill

Fluid Weight	11 lbm/gal
Slurry Yield:	3.82 ft^3/sk
Total Mixing Fluid:	22.88 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	3677 ft
Volume:	294.31 bbl
Calculated Sacks:	432.57 sks
Proposed Sacks:	435 sks

Fluid 3: Tail Cement
50/50 Poz Premium

2 % Total	Bentonite (Light Weight Additive)
5 %	Salt (Accelerator)bwow
0.25 lbm/sk	Flocele (Lost Circulation Additive)
0.4 %	Halad(R)-322 (Low Fluid Loss Control)

Fluid Weight	14.35 lbm/gal
Slurry Yield:	1.22 ft^3/sk
Total Mixing Fluid:	5.32 Gal/sk
Top of Fluid:	3677 ft
Calculated Fill:	2000 ft
Volume:	170.59 bbl
Calculated Sacks:	785.08 sks
Proposed Sacks:	790 sks

Fluid 4: Water Spacer
Displacement

Fluid Density:	8.33 lbm/gal
Fluid Volume:	435.64 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water Ahead	8.4	5.0	20 bbl
2	Cement	Hi Fill	11.0	5.0	435 sks
3	Cement	50 50 POZ	14.35	5.0	790 sks
4	Spacer	Displacement	8.3	5.0	435.64 bbl

HALLIBURTON

Cost Estimate — 9 5/8" Intermediate

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7522	PSL - CMT INTERMEDIATE CASING - BOM	1	JOB	0.00	0.00	47%	0.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	4.41	705.60	47%	373.97
	Number of Units	2					
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	2.60	208.00	47%	110.24
	Number of Units	1					
16091	ZI - PUMPING CHARGE	1	EA	3,556.00	3,556.00	47%	1,884.68
	DEPTH	5677					
	FEET/METRES (FT/M)	FT					
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	1,109.00	1,109.00	47%	587.77
	NUMBER OF UNITS	1					
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	916.00	916.00	47%	485.48
	NUMBER OF DAYS	1					
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI	1	EA	320.00	320.00	47%	169.60
	DAYS OR PARTIAL DAY(WHOLE NO.)	1					
	EQUIPMENT & SERVICES						
	SubTotal			**USD**	**6,814.60**	**47.0%**	**3,611.74**
100005048	HOWCO GEL	4	SK	26.44	105.76	47%	56.05
100003164	PLUG - CMTG - TOP PLASTIC - 9-5/8	1	EA	239.00	239.00	47%	126.67
21832	HALLIBURTON HI-FILL	435	SK	29.43	12,802.05	47%	6,785.09
12302	50-50 POZ (PREMIUM)	790	SK	14.35	11,336.50	47%	6,008.34
100003652	SALT	1751	LB	0.22	385.22	47%	204.17
100005049	FLOCELE	198	LB	2.71	536.58	47%	284.39
100003646	HALAD(R)-322	260	LB	9.21	2,394.60	47%	1,269.14
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN	40	MI	1.51	3,652.99	47%	1,936.09
	NUMBER OF TONS	60.48					
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	1507	CF	2.47	3,722.29	47%	1,972.81
	NUMBER OF EACH	1					
	MATERIALS						
	SubTotal			**USD**	**35,174.99**	**47.0%**	**18,642.74**
100004955	SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA	715.00	715.00	43%	407.55
100004823	CLR,FLOAT,9-5/8 8RD,29.3-40#/FT,2 3/4	1	EA	792.00	792.00	43%	451.44
100004629	COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA	30.00	30.00	43%	17.10
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	25	EA	98.70	2,467.50	43%	1,406.47
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	43%	10.51
	FLOAT EQUIPMENT						
	SubTotal			**USD**	**4,022.93**	**43.0%**	**2,293.07**
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	66.24	66.24		66.24
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	39.74	39.74		39.74
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	0.24	38.40		38.40
	Number of Units	2					
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	0.08	6.40		6.40
	Number of Units	1					
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	40	TNM	0.08	193.54		193.54

HALLIBURTON

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
	NUMBER OF TONS	60.48					
	SURCHARGES						
	SubTotal			**USD**	**344.32**	**0.0%**	**344.32**
	Total			**USD**			**46,356.84**
	Discount			**USD**			**21,464.97**
	Discounted Total			**USD**			**24,891.87**

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

Price Book Ref: 01 Western US
Price Date: 4/1/2001

Job Information — 4 1/2" Production

NDC 9M-27-8-22

Well Intervals:

9 5/8" Intermediate		0 - 5677 ft (MD)
		0 - 5677 ft (TVD)
	Outer Diameter	9.625 in
	Inner Diameter	8.921 in
	Linear Weight	36 lbm/ft
	Job Excess	0 %
7 7/8" Open Hole		5677 - 12500 ft (MD)
		5677 - 12500 ft (TVD)
	Inner Diameter	7.875 in
	Job Excess	25 %
4 1/2" Production		0 - 12500 ft (MD)
		0 - 12500 ft (TVD)
	Outer Diameter	4.500 in
	Inner Diameter	4.000 in
	Linear Weight	11.60 lbm/ft
	Job Excess	0 %

Spacer:

347.00 ft * 0.3236 ft^3/ft * 0 %	= 112.30 ft^3
Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Spacer:

347.00 ft * 0.3236 ft^3/ft * 0 %	= 112.30 ft^3
Total Spacer	= 112.29 ft^3
	= 20.00 bbl

Cement : (7323.00 ft fill)

500.00 ft * 0.3236 ft^3/ft * 0 %	= 161.81 ft^3
6823.00 ft * 0.2278 ft^3/ft * 25 %	= 1942.82 ft^3
Primary Cement	= 2104.63 ft^3
	= 374.85 bbl

Shoe Joint Volume: (42.00 ft fill)

42.00 ft * 0.0873 ft^3/ft	= 3.67 ft^3
	= 0.65 bbl
Tail plus shoe joint	= 2108.29 ft^3
	= 375.50 bbl
Total Tail	= 1627 sks

Total Pipe Capacity:

12500.00 ft * 0.0873 ft^3/ft	= 1090.83 ft^3
	= 194.28 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint	= 194.28 bbl - 0.65 bbl
	= 193.63 bbl

Fluid Instructions

Fluid 1: Reactive Spacer

Super Flush

Fluid Density:	9 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Water Spacer

Fresh Water Spacer

Fluid Density:	8.33 lbm/gal
Fluid Volume:	20 bbl

Fluid 3: Primary Cement

50/50 Poz Premium

2 % Total	Bentonite (Light Weight Additive)	Fluid Weight	14.20 lbm/gal
0.6 %	Halad(R)-322 (Low Fluid Loss Control)	Slurry Yield:	1.30 ft^3/sk
2 %	HR-5 (Expander)	Total Mixing Fluid:	5.66 Gal/sk
5 %	Salt (Salt)bwow	Top of Fluid:	5177 ft
0.25 lbm/sk	Flocele (Lost Circulation Additive)	Calculated Fill:	7323 ft
0.3 %	Super CBL (Expander)	Volume:	375.50 bbl
2 %	Microbond HT (Expander)	Calculated Sacks:	1626.77 sks
		Proposed Sacks:	1630 sks

Fluid 4: Water Spacer

Displacement

Fluid Density:	8.33 lbm/gal
Fluid Volume:	193.63 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Super Flush	9.0	5.0	20 bbl
2	Spacer	Fresh Water Spacer	8.3	5.0	20 bbl
3	Cement	50/50 POZ	14.2	5.0	1630 sks
4	Spacer	Displacement	8.3	5.0	193.63 bbl

HALLIBURTON

Cost Estimate — 4 1/2" Production

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7523	PSL - CMT PRODUCTION CASING - BOM	1	JOB	0.00	0.00	47%	0.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	4.41	1,058.40	47%	560.95
	Number of Units	3					
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	2.60	416.00	47%	220.48
	Number of Units	2					
16091	ZI - PUMPING CHARGE	1	EA	10,687.00	10,687.00	47%	5,664.11
	DEPTH	12500					
	FEET/METRES (FT/M)	FT					
13	CSG PUMPING,STANDBY UNIT,/6HRS,ZI	1	UNT	2,996.00	2,996.00	47%	1,587.88
	HOUR IN RANGE OF 6 HOURS	1					
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	1,109.00	1,109.00	47%	587.77
	NUMBER OF UNITS	1					
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	916.00	916.00	47%	485.48
	NUMBER OF DAYS	1					
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI	1	EA	320.00	320.00	47%	169.60
	DAYS OR PARTIAL DAY(WHOLE NO.)	1					
	EQUIPMENT & SREVICES						
	SubTotal			**USD**	**17,502.40**	**47.0%**	**9,276.27**
100003140	PLUG - CMTG - TOP ALUM - 4-1/2	1	EA	110.00	110.00	47%	58.30
100003639	SUPER FLUSH	20	SK	147.76	2,955.20	47%	1,566.26
100003729	CLAYFIX II	20	GAL	42.64	852.80	47%	451.98
12302	50-50 POZ (PREMIUM)	1630	SK	14.35	23,390.50	47%	12,396.97
100003646	HALAD(R)-322	805	LB	9.21	7,414.05	47%	3,929.45
100005050	HR-5	2682	LB	5.39	14,455.98	47%	7,661.67
100003652	SALT	3844	LB	0.22	845.68	47%	448.21
100005049	FLOCELE	408	LB	2.71	1,105.68	47%	586.01
100003668	SUPER CBL	403	LB	35.26	14,209.78	47%	7,531.18
100003723	MICROBOND HT	2682	LB	2.88	7,724.16	47%	4,093.80
76400	ZI MILEAGE,CMT MTLS DEL/RET MIN	40	MI	1.51	4,456.31	47%	2,361.85
	NUMBER OF TONS	73.78					
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	1880	CF	2.47	4,643.60	47%	2,461.11
	NUMBER OF EACH	1					
	MATERAILS						
	SubTotal			**USD**	**82,163.74**	**47.0%**	**43,546.78**
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	292.00	292.00	43%	166.44
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	341.00	341.00	43%	194.37
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	21.00	21.00	43%	11.97
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	25	EA	59.85	1,496.25	43%	852.86
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	43%	10.51
	Comment						
	SubTotal			**USD**	**2,168.68**	**43.0%**	**1,236.15**
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	66.24	66.24		66.24
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	39.74	39.74		39.74

HALLIBURTON

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	0.24	57.60		57.60
	Number of Units	3					
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	0.08	12.80		12.80
	Number of Units	2					
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	40	TNM	0.08	236.10		236.10
	NUMBER OF TONS	73.78					
	SURCHARGES						
	SubTotal			**USD**	**412.48**	**0.0%**	**412.48**
	Total			**USD**			**102,247.30**
	Discount			**USD**			**47,775.62**
	Discounted Total			**USD**			**54,471.68**

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

Price Book Ref: 01 Western US
Price Date: 4/1/2001

Conditions

The cost in this analysis is good for the materials and/or services outlined within. These prices are based on Halliburton being awarded the work on a first call basis. Prices will be reviewed for adjustments if awarded on 2nd or 3rd call basis and/or after 30 days of this written analysis. This is in an effort to schedule our work and maintain a high quality of performance for our customers.

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

It is understood and agreed between the parties that with the exception of the subject discounts, all services performed and equipment and materials sold are provided subject to Halliburton's General Terms and Conditions contained in our current price list, (which include LIMITATION OF LIABILITY and WARRANTY provisions), and pursuant to the applicable Halliburton Work Order Contract (whether or not executed by you), unless a Master Service and/or Sales Contract applicable to the services, equipment, or materials supplied exists between your company and Halliburton, in which case the negotiated Master Contract shall govern the relationship between the parties. A copy of the latest version of our General Terms and Conditions is available from your Halliburton representative or at: http://www.halliburton.com/hes/general_terms_conditions.pdf for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.
Any terms and conditions contained in purchase orders or other documents issued by the customer shall be of no effect except to confirm the type and quantity of services, equipment, and materials to be supplied to the customer.
If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice.

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

QUESTAR EXPLR. & PROD.

NDC #9M-27-8-21

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

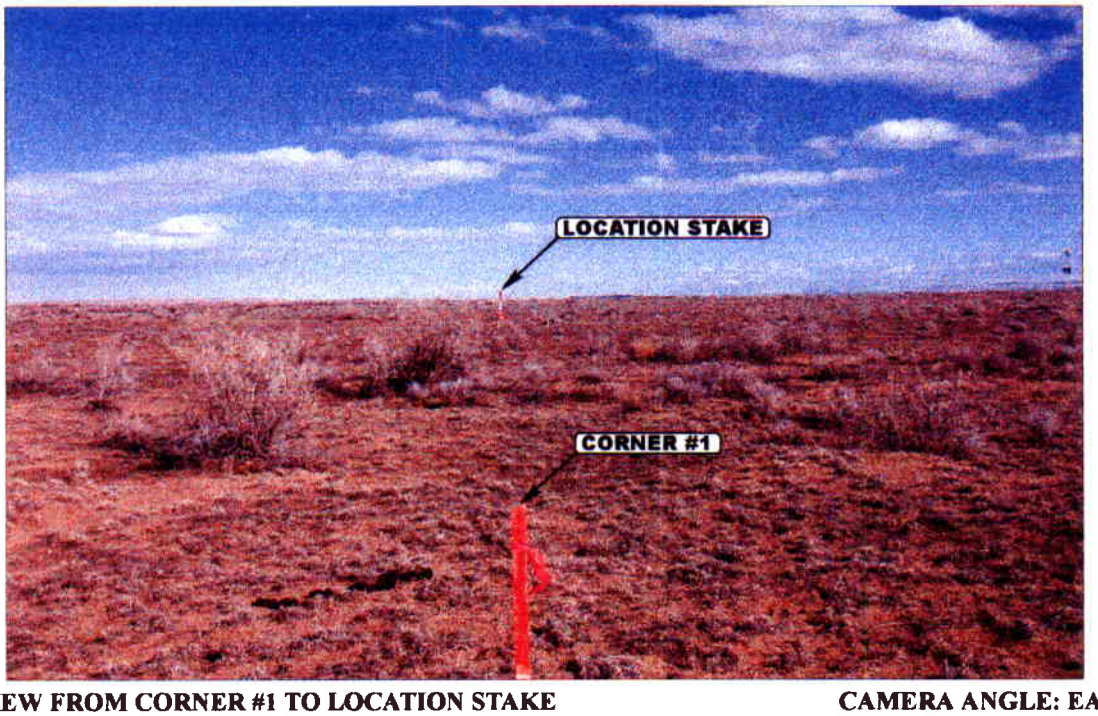


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE **CAMERA ANGLE: EASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	03 MONTH	07 DAY	03 YEAR	PHOTO
TAKEN BY: D.A.	DRAWN BY: P.M.	REVISED: 00-00-00		

QUESTAR EXPLORATION & PRODUCTION

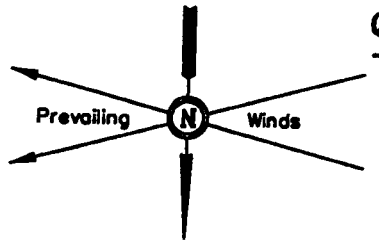
FIGURE #1

LOCATION LAYOUT FOR

NDC #9M-27-8-21

SECTION 27, T8S, R21E, S.L.B.&M.

1891' FSL 590' FEL



SCALE: 1" = 50'
DATE: 03-10-03
Drawn By: D.COX

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

Proposed Access Road

F-2.4'
El. 79.2'

Approx. Toe of Fill Slope

C-1.9'
El. 83.5'

C-1.3'
El. 82.9'

Sta. 3+50

Approx. Top of Cut Slope

PIPE TUBS

PIPE RACKS

CATWALK

FLARE PIT

C-0.6'
El. 82.2'

C-0.2'
El. 81.8'

RIG

Sta. 1+75

El. 83.4'
C-13.8'
(btm. pit)

70'

RESERVE PITS
(12' Deep)

SLOPE 1-1/2 :1

MUD TANKS

DOG HOUSE

TOILET

TRAILER

F-0.7'
El. 80.9'

LIGHT PLANT

BOILER

COMPRESSOR

BOOSTER

PUMP HOUSE

WATER TANK

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH

150'

175'

Topsoil Stockpile

Total Pit Capacity W/2' of Freeboard = 10,560 Bbls. ±
Total Pit Volume = 2,930 Cu. Yds.

Sta. 0+51

TRASH

PROPANE STORAGE

33'

48'

El. 84.2'
C-14.6'
(btm. pit)

C-2.0'
El. 83.6'

Pit Topsoil

C-1.7'
El. 83.3'

Sta. 0+00

C-0.2'
El. 81.8'

C-1.6'
El. 83.2'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4781.8'

FINISHED GRADE ELEV. AT LOC. STAKE = 4781.6'

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

QUESTAR EXPLORATION & PRODUCTION

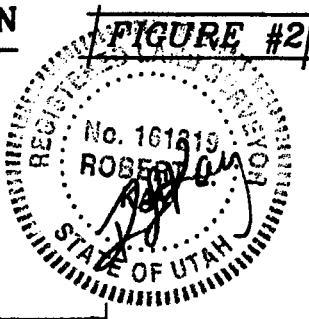
FIGURE #2

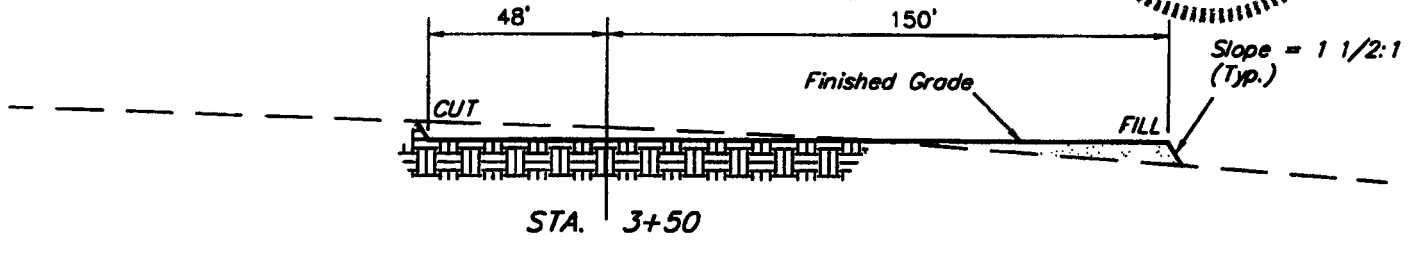
TYPICAL CROSS SECTIONS FOR

NDC #9M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
1891' FSL 590' FEL

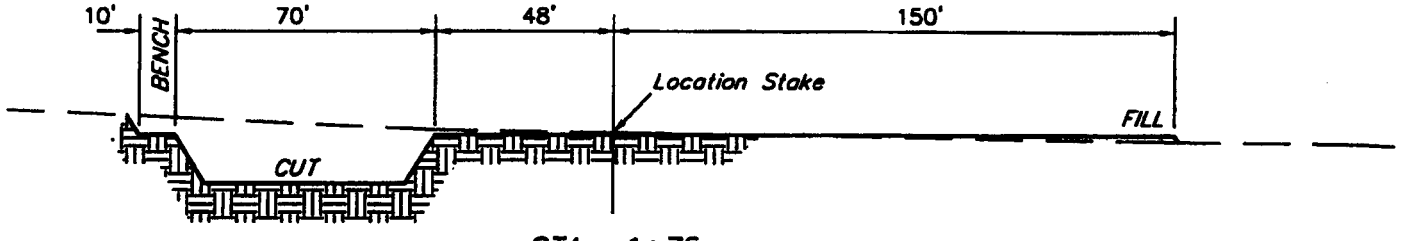
1" = 20'
X-Section Scale
1" = 50'

DATE: 03-10-03
Drawn By: D.COX

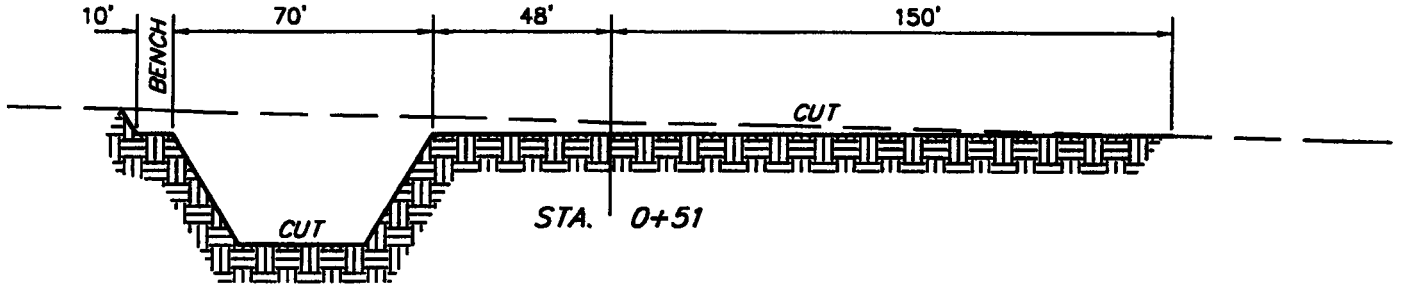




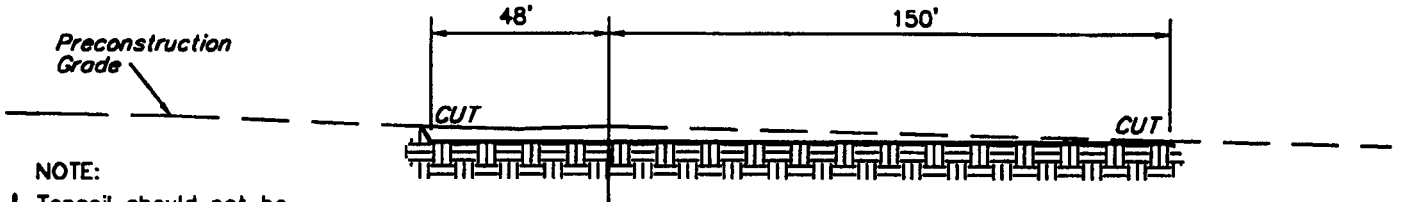
STA. 3+50



STA. 1+75



STA. 0+51



STA. 0+00

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

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,070 Cu. Yds.
Remaining Location = 3,430 Cu. Yds.

TOTAL CUT = 6,500 CU.YDS.
FILL = 1,870 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 4,530 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 4,530 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

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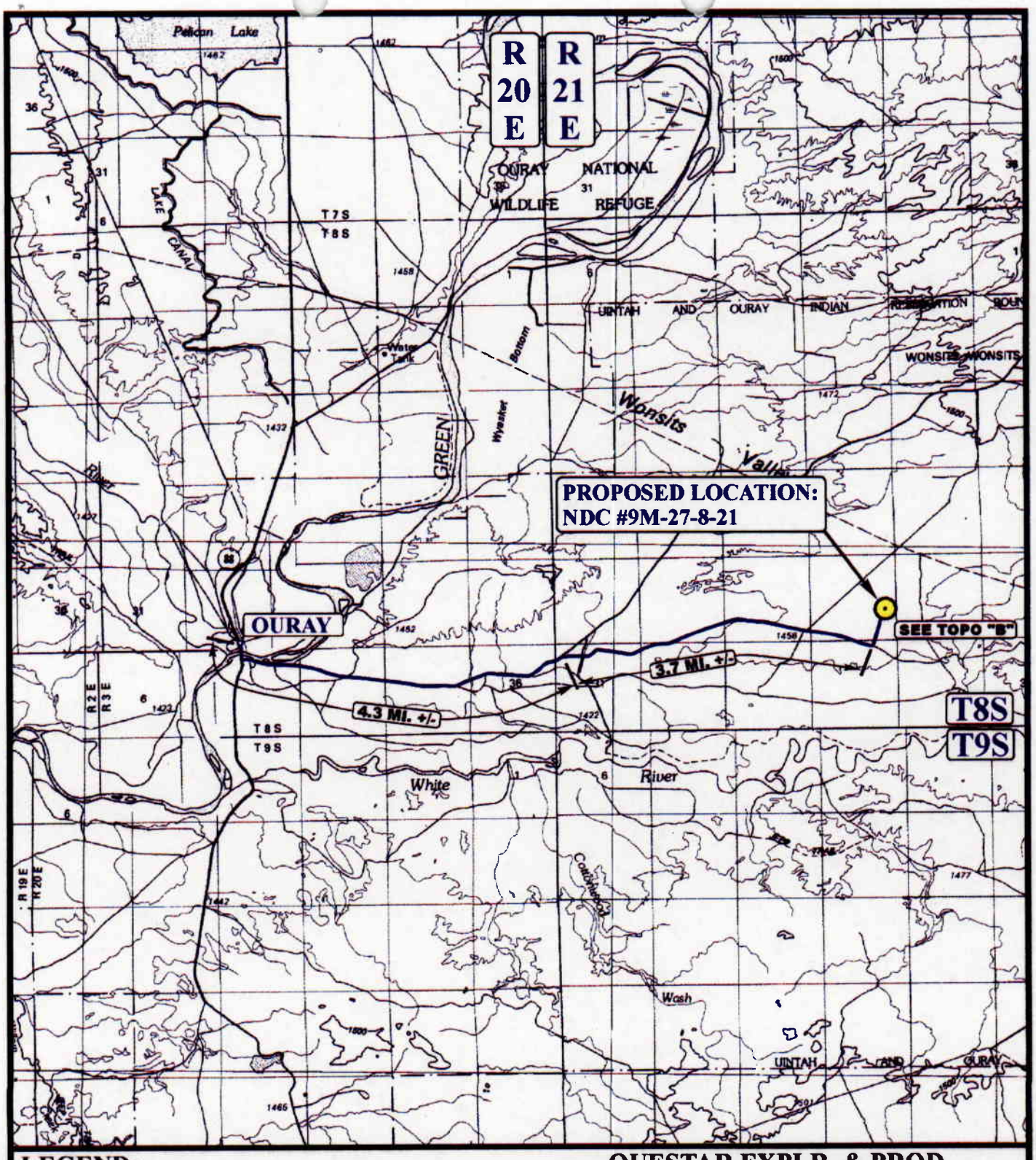
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



LEGEND:

⊙ PROPOSED LOCATION

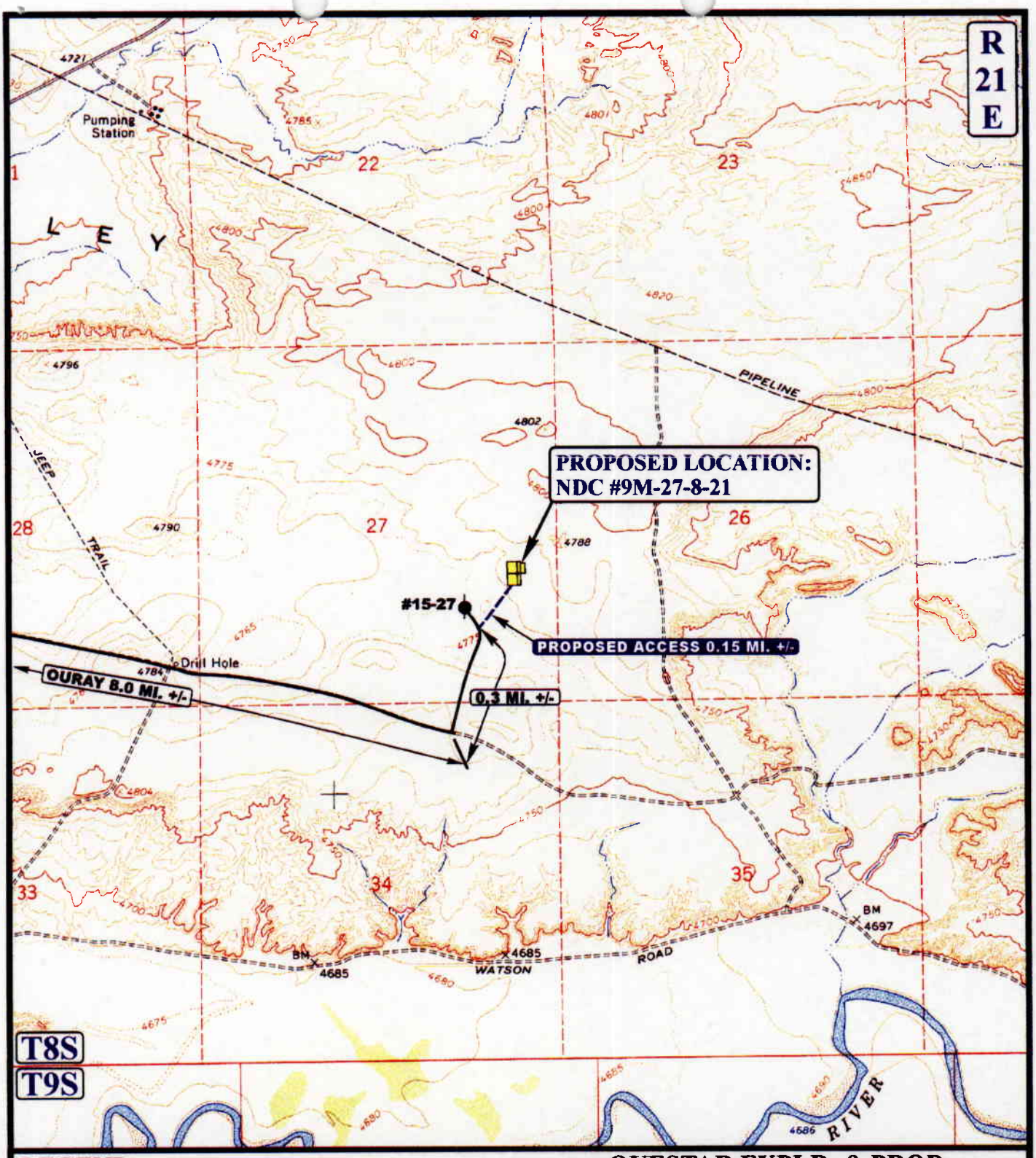
N

QUESTAR EXPLR. & PROD.

NDC #9M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
1891' FSL 590' FEL

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

TOPOGRAPHIC MAP	03 MONTH	07 DAY	03 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

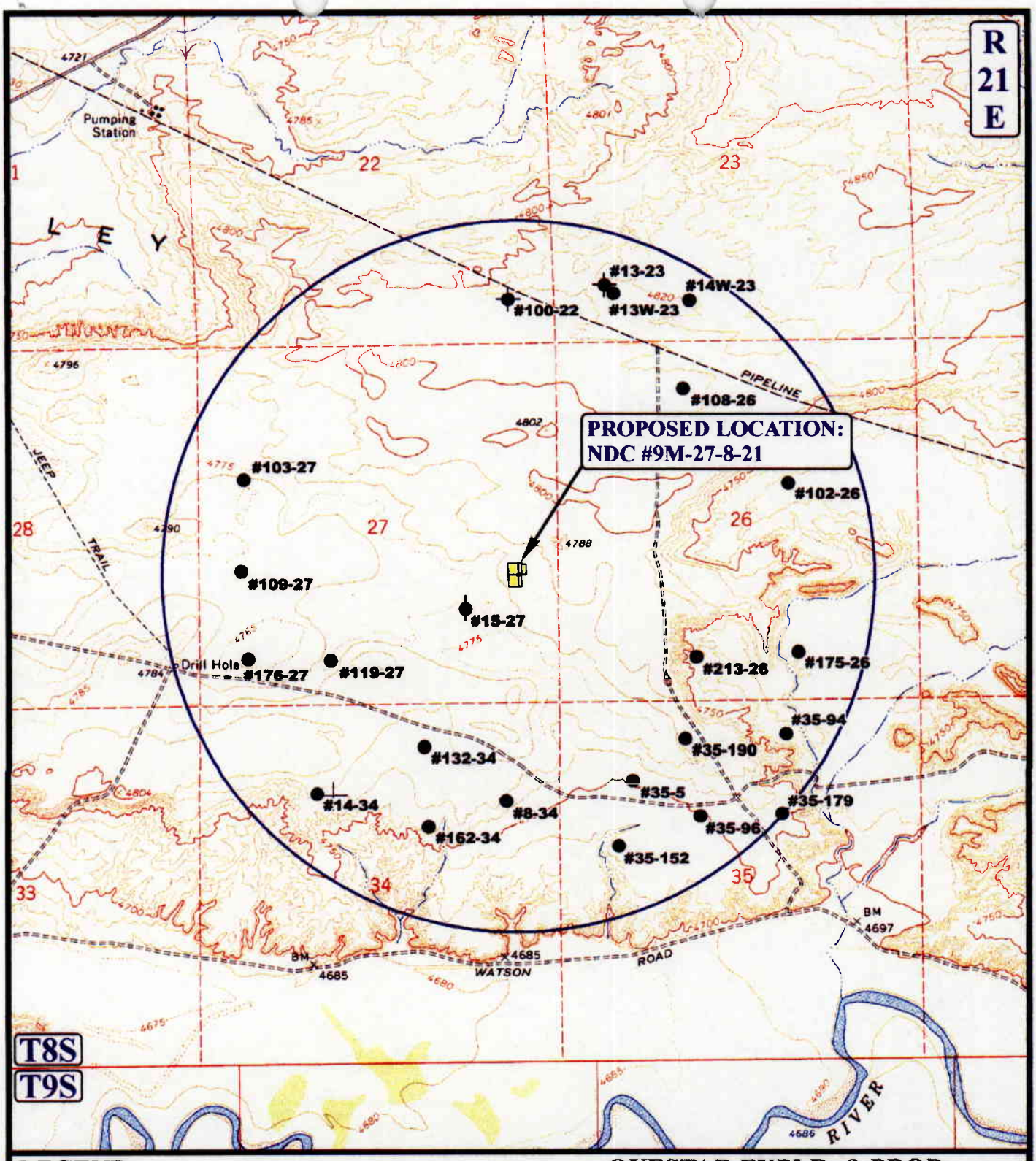
N

QUESTAR EXPLR. & PROD.

NDC #9M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
1891' FSL 590' FEL

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

TOPOGRAPHIC MAP	03 MONTH	07 DAY	03 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

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

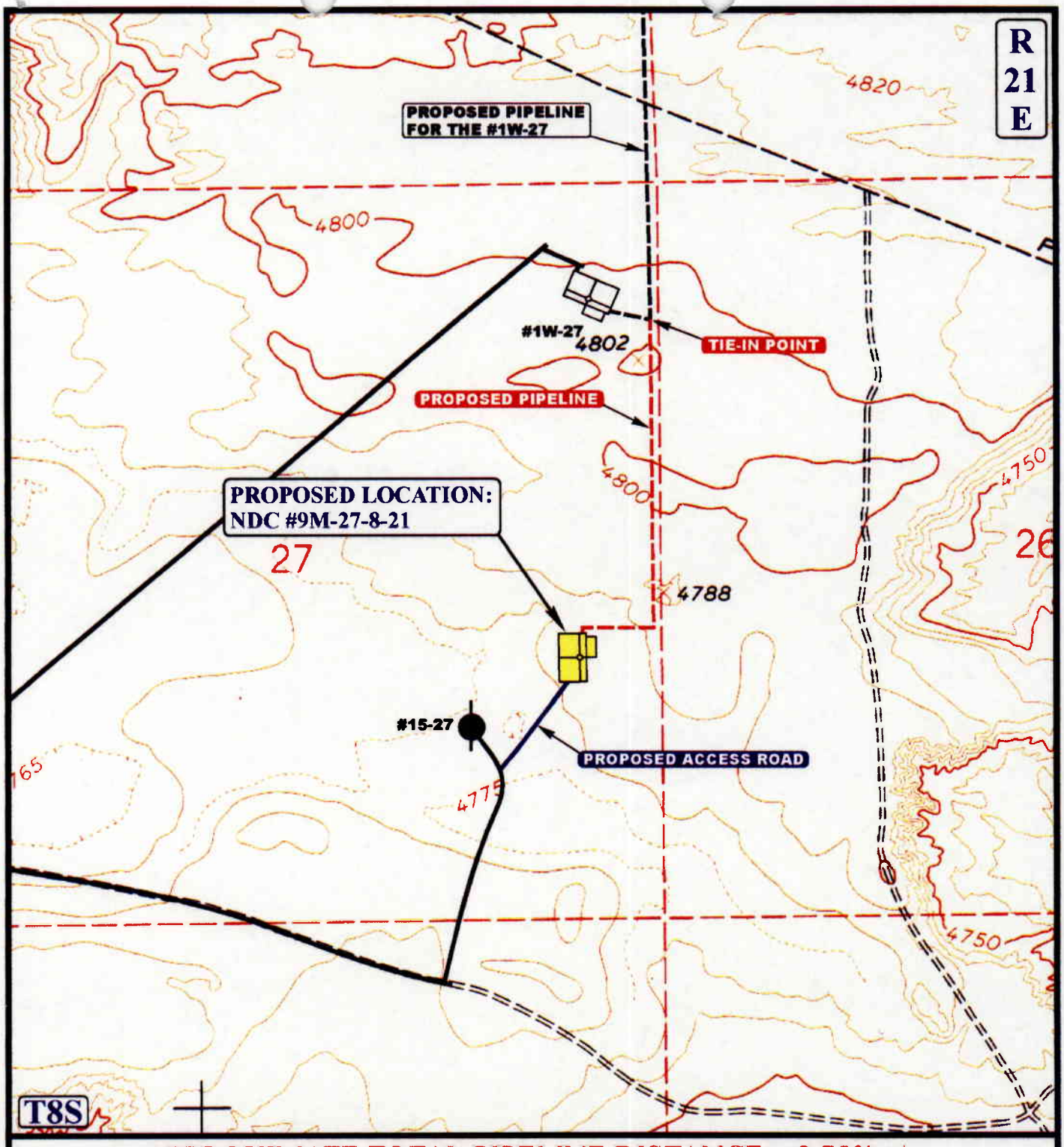
N

QUESTAR EXPLR. & PROD.

NDC #9M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
1891' FSL 590' FEL

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

TOPOGRAPHIC MAP	03 MONTH	07 DAY	03 YEAR
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00	C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,750' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

QUESTAR EXPLR. & PROD.

NDC #9M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
1891' FSL 590' FEL

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

TOPOGRAPHIC MAP	03 MONTH	07 DAY	03 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: P.M.	REVISED: 00-00-00		

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/09/2003

API NO. ASSIGNED: 43-047-34956

WELL NAME: NDC 9M-27-8-21
OPERATOR: SHENANDOAH ENERGY INC (N4235)
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:
NESE 27 080S 210E
SURFACE: 1891 FSL 0590 FEL
BOTTOM: 1891 FSL 0590 FEL
UINTAH
NATURAL BUTTES (630)

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

PROPOSED FORMATION: MNCS

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.09222

LONGITUDE: 109.53177

RECEIVED AND/OR REVIEWED:

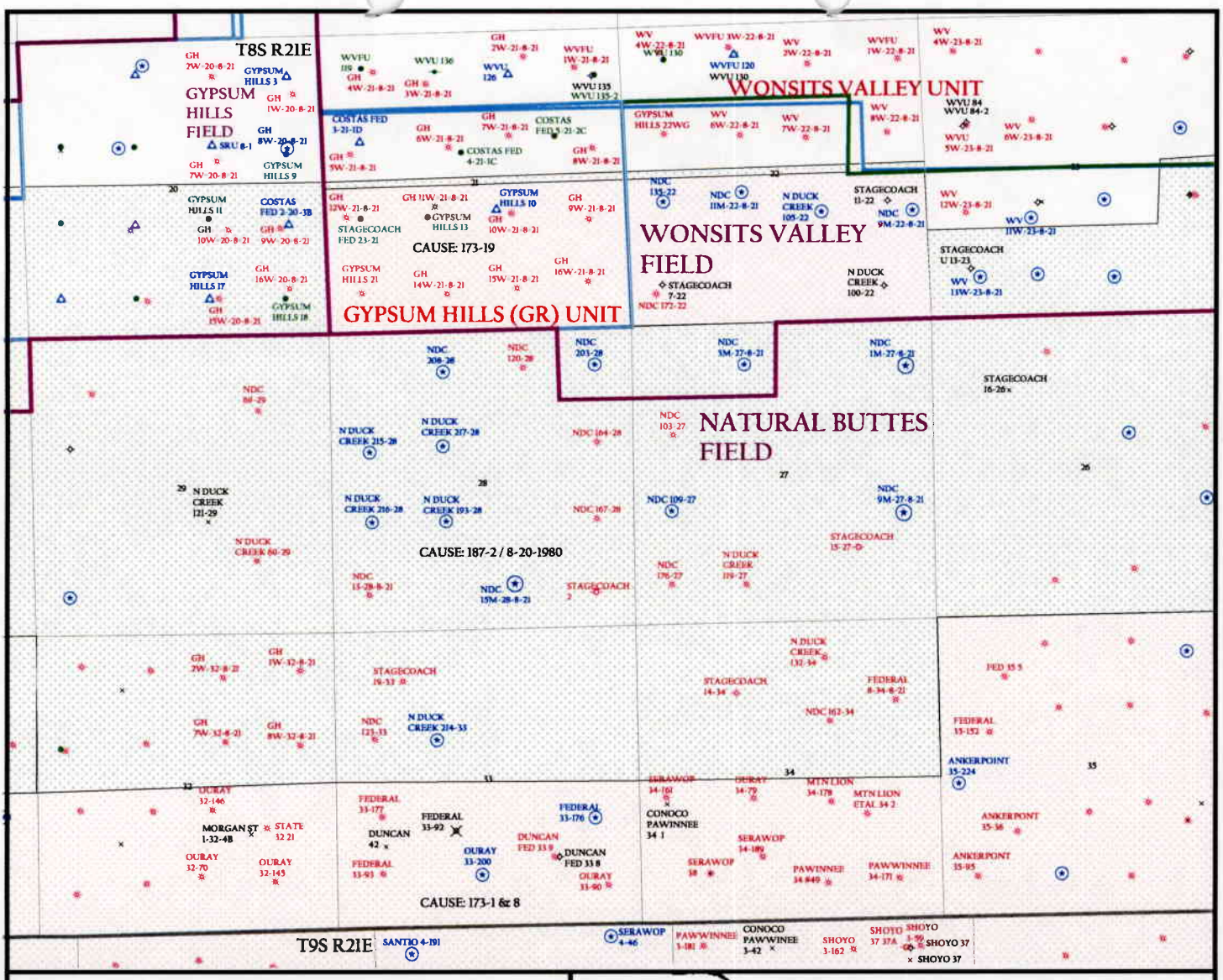
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT-1237)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 49-2153)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

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

COMMENTS: _____

STIPULATIONS: 1- federal approval
2- Spacing Slip



OPERATOR: SHENANDOAH ENERGY (N4235)

SEC. 27 T8S, R21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

Spacing: R649-3-2 / General Siting

Utah Oil Gas and Mining

WELLS
- 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

UNIT STATUS
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES

N W E S

PREPARED BY: DIANA MASON
DATE: 12-MAY-2003

004

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

May 15, 2003

Shenandoah Energy Inc.
11002 E 17500 S
Vernal, UT 84078

Re: North Duck Creek 9M-27-8-21 Well, 1891' FSL, 590' FEL, NE 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 43-047-34956.

Sincerely,

for John R. Baza
Associate Director

pab
Enclosures

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

Utah!
Where ideas connect

Operator: Shenandoah Energy Inc.

Well Name & Number North Duck Creek 9M-27-8-21

API Number: 43-047-34956

Lease: UT-0803

Location: NE 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 Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

5. 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.

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

006

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU0803
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. NORTH DUCK CREEK 9M-27-8-21
2. Name of Operator SHENANDOAH ENERGY INC Contact: JOHN BUSCH E-Mail: john.busch@questar.com	9. API Well No. 43-047-34956-00-X1
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078-8526 3b. Phone No. (include area code) Ph: 435.781.4341 Fx: 435.781.4323	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NESE 1891FSL 590FEL At proposed prod. zone	11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T8S R21E Mer SLB SME: BIA
14. Distance in miles and direction from nearest town or post office* 20 +/- MILES SOUTHWEST OF REDWASH, UTAH	12. County or Parish UINTAH 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 590' +/- 16. No. of Acres in Lease	17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1000' +/- 19. Proposed Depth 12500 MD 12500 TVD	20. BLM/BIA Bond No. on file UT1237
21. Elevations (Show whether DF, KB, RT, GL, etc. 4796 KB 22. Approximate date work will start	23. Estimated duration 10 DAYS

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) JOHN BUSCH	Date 05/08/2003
Title OPERATIONS		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) ED FORSMAN	Date 06/16/2003
Title ACTING AFM FOR MINERAL RESOURCES	Office Vernal	

Application approval does not warrant or certify the applicant holds 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, are attached.

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.

Additional Operator Remarks (see next page)

Electronic Submission #20769 verified by the BLM Well Information System
For SHENANDOAH ENERGY INC, sent to the Vernal
Committed to AFMSS for processing by LESLIE WALKER on 05/29/2003 (03LW1588AE)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional Operator Remarks:

Shenandoah Energy Inc. proposes to drill a well to 12500' to test the Mancos. If productive, casing will be run and the well will be completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See attached Multi- Point and Surface Use along with the 8 point drilling program.

See Onshore Order No. 1 attached

Please be advised that Shenandoah Energy Inc. agree 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. UT-1237. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.

Revisions to Operator-Submitted EC Data for APD #20769

	Operator Submitted	BLM Revised (AFMSS)
Lease:	UT-0803	UTU0803
Agreement:		
Operator:	SHENANDOAH ENERGY INC. 11002 E. 17500 S. VERNAL, UT 84078 Ph: 435.781.4341 Fx: 435.781.4323	SHENANDOAH ENERGY INC 11002 EAST 17500 SOUTH VERNAL, UT 84078-8526 Ph: 435.781.4300 Fx: 435.781.4329
Admin Contact:	JOHN BUSCH OPERATIONS 11002 E. 17500 S. VERNAL, UT 84078 Ph: 435.781.4341 Fx: 435.781.4323 E-Mail: john.busch@questar.com	JOHN BUSCH OPERATIONS 11002 EAST 17500 SOUTH VERNAL, UT 84078-8526 Ph: 435.781.4341 Fx: 435.781.4323 E-Mail: john.busch@questar.com
Tech Contact:		
Well Name: Number:	NORTH DUCK CREEK 9M-27-8-21	NORTH DUCK CREEK 9M-27-8-21
Location: State: County: S/T/R: Surf Loc:	 UT UINTAH Sec 27 T8S R21E Mer SLB NESE 1891FSL 590FEL	 UT UINTAH Sec 27 T8S R21E Mer SLB NESE 1891FSL 590FEL
Field/Pool:	NATURAL BUTTES	NATURAL BUTTES
Bond:	UT-1237	UT1237

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.

Well Name & Number: NDC 9M-27-8-21

API Number: 43-047-34956

Lease Number: U-0803

Location: NESE Sec. 27 T. 8S R. 21E

Agreement: N/A

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

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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

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

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

Pressure Control Equipment

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

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

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

Casing Program and Auxiliary Equipment

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

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

Coring, Logging and Testing Program

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

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all logs run on this well in LAS format. This submission will supercede the requirement for submittal of paper logs to the BLM.

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

Notifications of Operations

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

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

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Other Information

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

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

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

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

Ed Forsman (435) 828-7874
Petroleum Engineer

Kirk Fleetwood (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

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

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

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

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

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

A ROW, 30 feet wide and 757 feet long, was granted for the access road. A corridor ROW, 60 feet wide and 2619 feet long, was granted for the pipeline. The constructed travel width of the access road will be limited to 18 feet. Upon authorization by the Ute Tribe Energy & Minerals Department, the ROW may be wider where sharp curves, deep cuts and fills occur; or, where intersections with other roads are required.

Upon completion of the pertinent APD and ROWs, Shenandoah will notify the Ute Tribe Energy & Minerals Department for a Tribal Technician to verify the Affidavit of Completion. When each pipeline has been constructed and completed as built descriptions will be filed with the Ute Tribal Energy and Minerals Department.

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

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

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

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

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

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

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

A closed system will be used during production. This means that production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites. If any of the produced water is diverted to drilling activities, then any reserve pits where this produced water is hauled must have a pit liner installed. This produced water may not be injected down the annulus of a well after the drilling has been completed.

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

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

Soil erosion will be mitigated, by reseeding all disturbed areas.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
(UT-924)

July 21, 2003

Memorandum

To: Vernal Field Office

From: ACTING Chief, Branch of Minerals Adjudication

Subject: Name Change Approval

Attached is an approved copy of the name change from BLM-Eastern States, which is recognized by the Utah State Office. We have updated our records to reflect:

The name change from Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated is effective July 23, 1999. The BLM Bond Number is ESB000024.

Mary Higgins
Acting Chief, Branch of
Minerals Adjudication

Enclosure
1. Eastern States Letter
2. List of leases

cc: MMS, James Sykes, PO Box 25165, M/S 357 B1, Denver CO 80225
State of Utah, DOGM, Earlene Russell (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTSL-065342
UTSL-065429
UTSL-066409-A
UTSL-066446
UTSL-066446-A
UTSL-066446-B
UTSL-066791
UTSL-069330
UTSL-070932-A
UTSL-071745
UTSL-071963
UTSL-071964
UTSL-071965

UTU-046
UTU-055
UTU-057
UTU-058
UTU-059
UTU-080
UTU-081
UTU-082
UTU-093
UTU-0116
UTU-0558
UTU-0559
UTU-0560
UTU-0561
UTU-0562
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UTU-0567
UTU-0568
UTU-0569
UTU-0570
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UTU-0572
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UTU-0971-A
UTU-01089
UTU-02025
UTU-02030
UTU-02060
UTU-02148
UTU-02149
UTU-02510-A
UTU-09613
UTU-09617
UTU-09809
UTU-011225-B
UTU-011226
UTU-011226-B
UTU-012457
UTU-012457-A
UTU-018260-A
UTU-022158
UTU-025960
UTU-025962
UTU-025963
UTU-029649
UTU-65471
UTU-65472
UTU-103144
UTU-140740
UTU-14219
UTU-14639
UTU-16551
UTU-28652
UTU-42050
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UTU-43917
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UTU-56947
UTU-65276
UTU-65404
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UTU-65472
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UTU-80636
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UTU-80638
UTU-80639
UTU-80640

SEI (N4235) to QEP (N2460)

well_name	Sec	T	R	api DOGM	Entity		type	stat	
WV 14W-4-8-21	04	080S	210E	4304734040		Federal	GW	APD	C
WV 16W-4-8-21	04	080S	210E	4304734041		Federal	GW	APD	C
WV 5W-36-7-21	36	070S	210E	4304734099	13807	State	GW	DRL	C
WV 16W-31-7-22	31	070S	220E	4304734257		Federal	GW	APD	C
RED WASH 16W-19-7-22	19	070S	220E	4304734258		Federal	GW	APD	C
WV 9W-16-7-21	16	070S	210E	4304734324		State	GW	APD	
GH 6W-20-8-21	20	080S	210E	4304734331		Federal	GW	APD	C
WV 10W-23-8-21	23	080S	210E	4304734341	13766	Federal	GW	PA	C
WV 11W-23-8-21	23	080S	210E	4304734342		Federal	GW	APD	C
WV 13W-23-8-21	23	080S	210E	4304734344		Federal	GW	APD	C
WV 14W-23-8-21	23	080S	210E	4304734345		Federal	GW	APD	C
WV 15W-23-8-21	23	080S	210E	4304734346		Federal	GW	APD	C
WV 7W-31-7-22	31	070S	220E	4304734379		Federal	GW	APD	C
WV 9W-30-7-22	30	070S	220E	4304734381		Federal	GW	APD	C
WV 10W-25-7-21	25	070S	210E	4304734382		Federal	GW	APD	C
WV 10W-26-7-21	26	070S	210E	4304734383		Federal	GW	APD	C
WV 14W-30-7-22	30	070S	220E	4304734384	13750	Federal	GW	DRL	C
WV 15W-27-7-21	27	070S	210E	4304734385		Federal	GW	APD	C
GH 8W-20-8-21	20	080S	210E	4304734393		Federal	GW	APD	C
SU PURDY 3W-30-7-22	30	070S	220E	4304734394		Federal	GW	APD	C
STIRRUP UNIT 10G-5-8-22	05	080S	220E	4304734396		Federal	OW	APD	C
WV 10W-35-7-21	35	070S	210E	4304734397		Federal	GW	APD	C
WV 16G-6-8-22	06	080S	220E	4304734404		Federal	OW	APD	C
SU 4W-26-7-21	26	070S	210E	4304734408		Federal	GW	APD	C
STIRRUP U 12W-6-8-22	06	080S	220E	4304734449		Federal	GW	APD	C
STIRRUP U 10W-6-8-22	06	080S	220E	4304734451		Federal	GW	APD	C
STIRRUP U 8W-5-8-22	05	080S	220E	4304734453		Federal	GW	APD	C
STIRRUP U 6W-5-8-22	05	080S	220E	4304734454		Federal	GW	APD	C
WV EXT 10W-17-8-21	17	080S	210E	4304734561	13744	Federal	GW	P	C
STIRRUP U 7G-5-8-22	05	080S	220E	4304734609		Federal	OW	APD	C
STIRRUP U 9G-5-8-22	05	080S	220E	4304734610		Federal	OW	APD	C
STIRRUP U 9G-6-8-22	06	080S	220E	4304734611		Federal	OW	APD	C
OU GB 10W-16-8-22	16	080S	220E	4304734616		State	GW	APD	C
OU GB 14W-16-8-22	16	080S	220E	4304734619		State	GW	APD	C
OU GB 16W-20-8-22	20	080S	220E	4304734633		Federal	GW	APD	C
OU WIH 15W-21-8-22	21	080S	220E	4304734634		Federal	GW	APD	C
OU GB 8W-17-8-22	17	080S	220E	4304734647		Federal	GW	APD	C
OU GB 11W-15-8-22	15	080S	220E	4304734648	13822	Federal	GW	DRL	C
OU GB 16W-16-8-22	16	080S	220E	4304734655	13815	State	GW	DRL	C
OU GB 1W-16-8-22	16	080S	220E	4304734656		State	GW	APD	C
OU GB 8W-16-8-22	16	080S	220E	4304734660	13769	State	GW	DRL	C
OU GB 3W-15-8-22	15	080S	220E	4304734677		Federal	GW	APD	C
OU GB 4W-21-8-22	21	080S	220E	4304734685	13772	Federal	GW	P	C
OU WIH 2W-21-8-22	21	080S	220E	4304734687	13837	Federal	GW	PA	C
OU GB 9W-16-8-22	16	080S	220E	4304734692		State	GW	APD	C
OU WIH 1W-21-8-22	21	080S	220E	4304734693		Federal	GW	APD	C
OU GB 7G-19-8-22	19	080S	220E	4304734694		Federal	OW	APD	C
OU GB 5G-19-8-22	19	080S	220E	4304734695	13786	Federal	OW	P	C
OU GB 8W-20-8-22	20	080S	220E	4304734706		Federal	GW	APD	C
OU SG 14W-15-8-22	15	080S	220E	4304734710	13821	Federal	GW	DRL	C
OU SG 15W-15-8-22	15	080S	220E	4304734711	13790	Federal	GW	DRL	C
OU SG 16W-15-8-22	15	080S	220E	4304734712	13820	Federal	GW	DRL	C
OU SG 4W-15-8-22	15	080S	220E	4304734713	13775	Federal	GW	DRL	C
OU SG 12W-15-8-22	15	080S	220E	4304734714	13828	Federal	GW	DRL	C
OU SG 5W-15-8-22	15	080S	220E	4304734715		Federal	GW	APD	C
OU SG 6W-15-8-22	15	080S	220E	4304734716	13865	Federal	GW	PA	C
OU SG 8W-15-8-22	15	080S	220E	4304734717	13819	Federal	GW	DRL	C

SEI (N4235) to QEP (N2460)

well_name	Sec	T	R	api DOGM	Entity		type	stat	
OU SG 9W-15-8-22	15	080S	220E	4304734718	13773	Federal	GW	P	C
OU SG 1W-15-8-22	15	080S	220E	4304734720		Federal	GW	APD	C
OU SG 2W-15-8-22	15	080S	220E	4304734721		Federal	GW	APD	C
OU SG 7W-15-8-22	15	080S	220E	4304734722		Federal	GW	APD	C
GYPSUM HILLS 13HG-17-8	17	080S	210E	4304734723	13765	Federal	GW	DRL	C
OU GB 14SG-29-8-22	29	080S	220E	4304734743		Federal	GW	APD	C
OU GB 16SG-29-8-22	29	080S	220E	4304734744	13771	Federal	GW	DRL	C
OU GB 13W-10-8-22	10	080S	220E	4304734754	13774	Federal	GW	P	C
OU GB 6W-21-8-22	21	080S	220E	4304734755	13751	Federal	GW	P	C
OU SG 10W-10-8-22	10	080S	220E	4304734764		Federal	GW	DRL	C
OU SG 15W-10-8-22	10	080S	220E	4304734765	13849	Federal	GW	DRL	C
OU GB 14W-10-8-22	10	080S	220E	4304734768	13781	Federal	GW	P	C
OU SG 16W-10-8-22	10	080S	220E	4304734784	13777	Federal	GW	P	C
OU GB 15G-16-8-22	16	080S	220E	4304734829		State	OW	DRL	
BASER WASH 6W-7-7-22	07	070S	220E	4304734837		Federal	GW	APD	C
GB 5G-15-8-22	15	080S	220E	4304734876		Federal	OW	APD	C
GB 4G-21-8-22	21	080S	220E	4304734882		Federal	OW	APD	C
W IRON HORSE 2W-28-8-2	28	080S	220E	4304734883		Federal	GW	APD	C
OU GB 8WX-29-8-22	29	080S	220E	4304734884		Federal	GW	APD	C
GB 7W-36-8-21	36	080S	210E	4304734893		State	GW	APD	
GB 3W-36-8-21	36	080S	210E	4304734894	13791	State	GW	DRL	
NC 8M-32-8-22	32	080S	220E	4304734897		State	GW	APD	
NC 3M-32-8-22	32	080S	220E	4304734899		State	GW	APD	
N DUCK CREEK 3M-27-8-2	27	080S	210E	4304734900		Federal	GW	APD	C
N DUCK CREEK 9M-22-8-2	22	080S	210E	4304734901		Federal	GW	APD	C
N DUCK CREEK 11M-22-8	22	080S	210E	4304734902		Federal	GW	APD	C
NDC 10W-25-8-21	25	080S	210E	4304734923		Federal	GW	APD	C
GB 5W-36-8-21	36	080S	210E	4304734925	13808	State	GW	DRL	
GB 4W-36-8-21	36	080S	210E	4304734926		State	GW	APD	
WV EXT 1W-17-8-21	17	080S	210E	4304734927		Federal	GW	APD	C
WV EXT 8W-17-8-21	17	080S	210E	4304734929	13792	Federal	GW	DRL	C
NDC 11M-27-8-21	27	080S	210E	4304734952	13809	Federal	GW	DRL	C
NDC 9M-27-8-21	27	080S	210E	4304734956		Federal	GW	APD	C
NDC 1M-27-8-21	27	080S	210E	4304734957		Federal	GW	APD	C
NDC 15M-28-8-21	28	080S	210E	4304734958		Federal	GW	APD	C
NC 11M-32-8-22	32	080S	220E	4304735040		State	GW	NEW	
RED WASH U 34-27C	27	070S	240E	4304735045		Federal	GW	APD	C
WRU EIH 10W-35-8-22	35	080S	220E	4304735046	13544	Federal	GW	DRL	C
WRU EIH 9W-26-8-22	26	080S	220E	4304735047		Federal	GW	APD	C
WRU EIH 15W-26-8-22	26	080S	220E	4304735048		Federal	GW	APD	C
WRU EIH 1W-35-8-22	35	080S	220E	4304735049		Federal	GW	APD	C
WRU EIH 9W-35-8-22	35	080S	220E	4304735050		Federal	GW	APD	C
WRU EIH 7W-35-8-22	35	080S	220E	4304735051		Federal	GW	APD	C
WRU EIH 2W-35-8-22	35	080S	220E	4304735052		Federal	GW	APD	C

007

CONFIDENTIAL

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0803

SUNDRY NOTICES AND REPORTS ON WELLS

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

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.

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NDC 9M-27-8-21

2. NAME OF OPERATOR: QEP UINTA BASIN, INC.

9. API NUMBER: 4304734956

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4341

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1891' FSL 590' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 27 T8S 21E

STATE: UTAH

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

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

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

QEP Uinta Basin Inc. hereby requests a 1 year extension on the APD for the NDC 9M-27-8-21.

Approved by the Utah Division of Oil, Gas and Mining
Date: 05-12-04
By:

RECEIVED
MAY 10 2004
DIV OF OIL, GAS & MINING

NAME (PLEASE PRINT) John Busch TITLE Operations

SIGNATURE John Busch DATE 5/5/2004

(This space for State use only)

COPY SENT TO OPERATOR
Date: 5-13-04
Initials: CHD

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

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-34956
Well Name: NDC 9M-27-8-21
Location: 1891' FSL 590' FEL NESE SEC 27 T8S R21E
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 5/15/2003

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

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

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

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

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

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

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

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

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

John Busch
Signature

5/5/2004
Date

Title: OPERATIONS

Representing: QEP UINTA BASIN, INC.

*Form 3160-5
(June 1990)

008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: NDC 9M-27-8-21

2. Name of Operator: QEP UINTA BASIN, INC.
Contact: John Busch
Email: john.busch@questar.com

9. API Well No.: 43-047-34956

3. Address and Telephone No: 11002 E. 17500 S. VERNAL, UT 84078-8526
(435) 781-4341

10. Field and Pool, or Exploratory Area: NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1891'FSL 590' FEL NESE SEC 27 T8S R21E

11. County or Parish, State: UINTAH, UTAH

RECEIVED
MAY - 6 2004
By

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction	
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing Repair	[ ] Water Shut-Off	
	[ ] Altering Casing	[ ] Conversion to Injection	
	[X] Other **APD Extension**	[ ] Dispose Water	

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

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

QEP Uinta Basin, Inc. hereby requests a 1 year extension on the APD for the NDC 9M-27-8-21.

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JUN 0 1 2004
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.
Signed John Busch Title OPERATIONS Date 5/5/2004

(This space for Federal or State office use)
Approved by: Kirk Fleetwood Title Petroleum Engineer Date 5/24/04
Conditions of approval, if any

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

UDOGM

*See instruction on Reverse Side

QEP- Uintah Basin Inc.
APD Extension

Well: NDC 9M-27-8-21 Location: NESE Sec. 27, T8S, R21E

Lease: U-0803

CONDITIONS OF APPROVAL

An extension for the referenced APD is granted with the following conditions:

---

1. The extension will expire 6/16/05

2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood of this office at (435) 781-4486

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

009

SUBMIT IN TRIPLICATE

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

1. Type of Well
Oil Well [ ] Gas Well [X] Other [ ]

CONFIDENTIAL

8. Well Name and No.
NDC 9M 27-8-21

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

9. API Well No.
43-047-34956

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526
Email: Dahn.Caldwell@questar.com
435-781-4342 Fax 435-781-4357

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NESE, 1891' FSL, 590' FEL, Sec 27-T8S-R21E

11. County or Parish, State
UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **SPUD**	[ ] 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 3/15/05 - Drilled 40' of 20" hole. Set 40' of 14" conductor pipe. Cmt w/ Ready Mix.

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

14. I hereby certify that the foregoing is true and correct.
Signed **Dahn F. Caldwell** Title **Office Administator II** Date **3/24/2005**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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

CONFIDENTIAL

FORM 6

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

010

ENTITY ACTION FORM

Operator: QEP Uinta Basin, Inc.
Operator Account Number: N 2460
Address: 11002 East 17500 South
city Vernal
state UT zip 84078
Phone Number: (435) 781-4342

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734956	NDC 9M 27 8 21		NESE	27	8	21	Uintah
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	14633	3/15/2005			3/31/05	K
Comments: MNCS CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

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ACTION CODES:
- 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)

Name (Please Print) John T Caldwell
Signature
Office Administrator II
Title
3/24/2005
Date

(5/2000)

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Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.	UTU-0803
6. If Indian, Allottee or Tribe Name	UTE TRIBE
7. If Unit or CA/Agreement, Name and/or No.	N/A
8. Well Name and No.	NDC 9M-27-8-21
9. API Well No.	43-047-34956
10. Field and Pool, or Exploratory Area	NATURAL BUTTES
11. County or Parish, State	UINTAH

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
QEP Uinta Basin, Inc. *Contact: Jim Davidson*

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

3b. Phone No. *(include area code)*
303-308-3090

3
1891' FSL 590' FEL NESE, SECTION 27, T8S, R21E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	**TD CHANGE**
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QEP Uinta Basin, Inc. proposes to drill this well to the Dakota formation. The proposed TD was 12,500', the new proposed TD will be 16,600'. Please refer to revised 8-point drilling plan, cement and BOP.

QEP Uinta Basin, Inc. proposes to change well name from NDC 9M-27-8-21 to ~~GB 9D 27 8 21~~.

Federal Approval of this Action is Necessary

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-28-06

By:

COPY SENT TO OPERATOR
Date: 11-30-06
Initials: RM

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

Name *(Printed/Typed)* Jan Nelson	Title Regulatory Affairs
Signature	Date November 22, 2006

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

RECEIVED
NOV 28 2006
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

ONSHORE OIL & GAS ORDER NO. 1
QEP UINTA BASIN, INC.
GB 9D-27-8-21

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:

Formation	Depth
Uinta	Surface
Green River	2,392'
Wasatch	5,677'
Mesaverde	8,625'
Blackhawk	11,390'
Mancos Shale	11,790'
Mancos B	12,205'
Frontier	14,905'
Dakota Silt	15,805'
Dakota SS	16,005'
TD	16,600'

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

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

Substance	Formation	Depth
Gas	Wasatch	5,677'
Gas	Mesaverde	8,625'
Gas	Blackhawk	11,390'
Gas	Mancos Shale	11,790'
Gas	Mancos B	12,205'
Gas	Frontier	14,905'
Gas	Dakota Silt	15,805'
Gas	Dakota SS	16,005'

DRILLING PROGRAM

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

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If 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 before1989 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. 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic attached)

B. Functional test daily

C. 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.

D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 10M system and individual components shall be operable as designed.

ONSHORE OIL & GAS ORDER NO. 1
QEP UINTA BASIN, INC.
GB 9D-27-8-21

DRILLING PROGRAM

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.
26"	20"	sfc	40'	Steel	Cond.	None	Used
17-1/2"	13-3/8	sfc	500'	54.5	K-55	STC	New
12-1/4"	9-5/8"	sfc	6500'	47	N-80	LTC	New
8-1/2"	7"	sfc	9000'	26	HCP-110	LTC	New
8-1/2"	7"	9000'	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'	16,600'	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.	N-80	LTC	4,760 psi	6,870 psi	905,000 lb.
7"	26 lb.	HCP-110	LTC	7,800 psi	9,950 psi	693,000 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**

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 – no

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:

F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

H. Compressor shall be tied directly to the blooie line through a manifold.

I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

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

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% $CaCl_2$
Slurry wt: 15.6 ppg, slurry yield: 1.20 ft^3/sx, slurry volume: 17-1/2" hole + 100% excess.

9-5/8" Intermediate Casing: sfc - 6500' (MD)
Lead Slurry: 0' – 4,250'. 1332 sks (3915 cu ft) Rockies LT cement + 0.25 lb/sk Flocele.
Slurry wt: 11.5 ppg, Slurry yield: 2.94 ft^3/sk, Slurry volume: 12-1/4" hole + 100% excess.
Tail Slurry: 6,250' – 6,500'. 80 sks (157 cu ft) Rockies LT cement + 0.25 lb/sk Flocele.
Slurry wt: 13.0 ppg, Slurry yield: 1.99 ft^3/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: sfc - 12,000' (MD)
Foamed Lead Slurry 1: 0' – 6,000'. 580 sks (1141 cu ft) 50/50 Poz Premium + 5 lb/sk silicalite compacted light weight additive + 20% SSA-1 additive + 0.3% FDP-C766-05 fluid loss + 0.2% Versaset thixotropic additive + 1.5% Zonesealant 2000 foamer. Slurry wt: 14.3 ppg, foamed 11.0 ppg, Slurry yield: 1.48 ft^3/sk, Slurry yield foamed: 1.98 ft^3/sk, Slurry volume: 8-1/2" hole + 50% excess in open hole section.
Foamed Lead Slurry 2: 6,000' – 11,500'. 540 sks (1046 cu ft) 50/50 Poz Premium + 5 lb/sk silicalite compacted light weight additive + 20% SSA-1 additive + 0.3% FDP-C766-05 fluid loss + 0.2% Versaset thixotropic additive + 1.5% Zonesealant 2000 foamer. Slurry wt: 14.3 ppg, foamed 11.5 ppg, Slurry yield: 1.48 ft^3/sk, Slurry yield foamed: 1.96 ft^3/sk, Slurry volume: 8-1/2" hole + 50% excess.
Tail Slurry: 11,500' – 12,000'. 42 sks (70cu ft) of 50/50 Poz Premium + 5 lb/sk silicalite compacted light weight additive + 20% SSA-1 additive + 0.3% FDP-C766-05 fluid loss + 0.2% Versaset thixotropic additive. Slurry wt: 14.3 ppg, Slurry yield: 1.48 ft^3/sk, Slurry volume: 8-1/2" hole + 50% excess.
Top Out Cement: 75 sks (117 cu ft) Premium cement + 10 lb/sk gilsonite + 12% Cal-Seal 60 + 3% $CaCl_2$.

4-1/2" Production Casing: sfc - 16,700' (MD)
Lead/Tail Slurry: 6,500 - 16,700'. 995 sks (1630 cu ft) Premium Cement + 0.5% HR-12 retarder + 35% SSA-1 + 0.2% Suspend HT + 0.4% Halad(R)-344 fluid loss + 0.3% Halad(R)-413 fluid loss + 0.4% Super CBL gas migration + 0.2% HR-25 retarder. Slurry wt: 15.25 ppg, Slurry yield: 1.64 ft^3/sk, Slurry volume: 6-1/8" hole + 25% in open hole section.

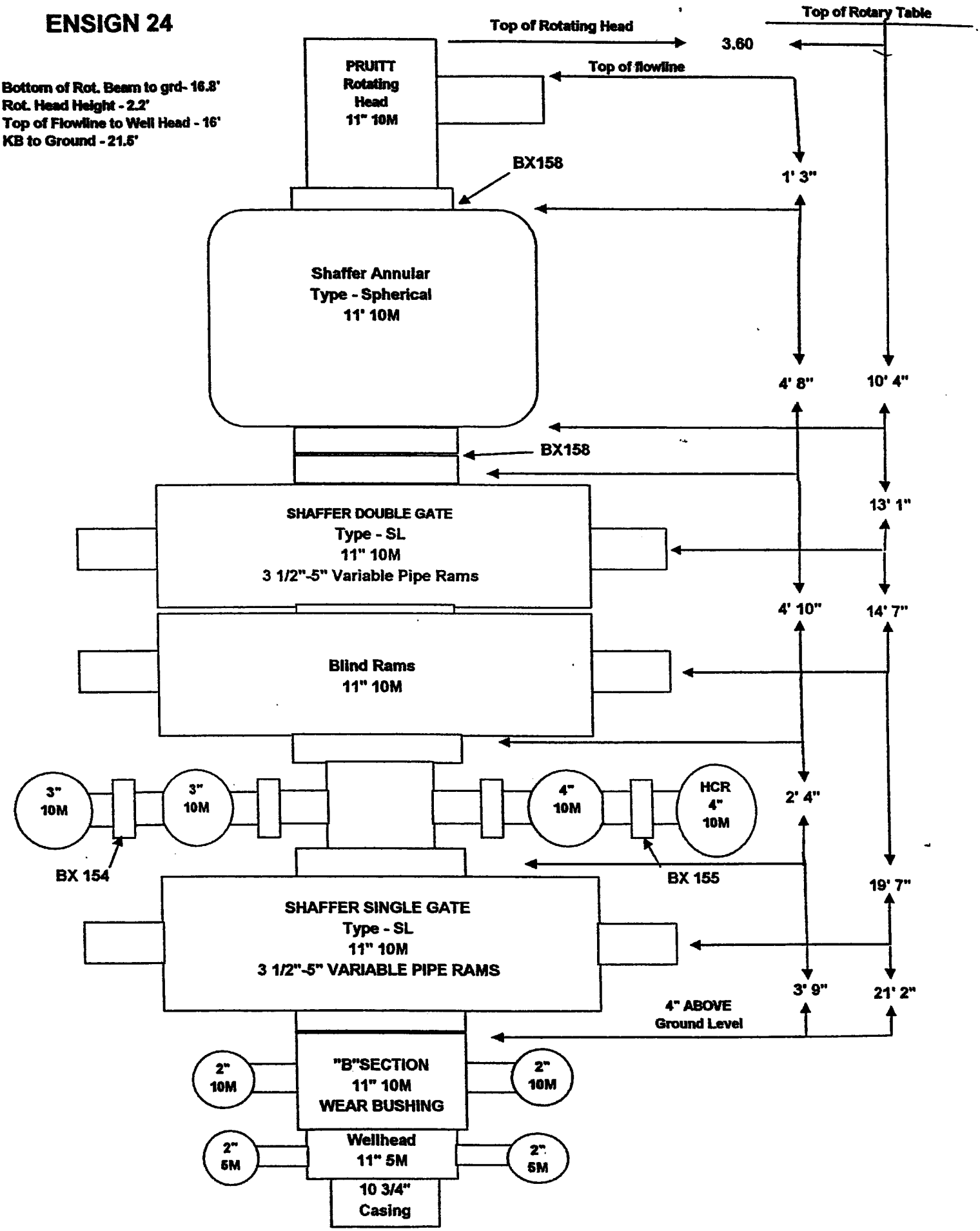
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate string and 5,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

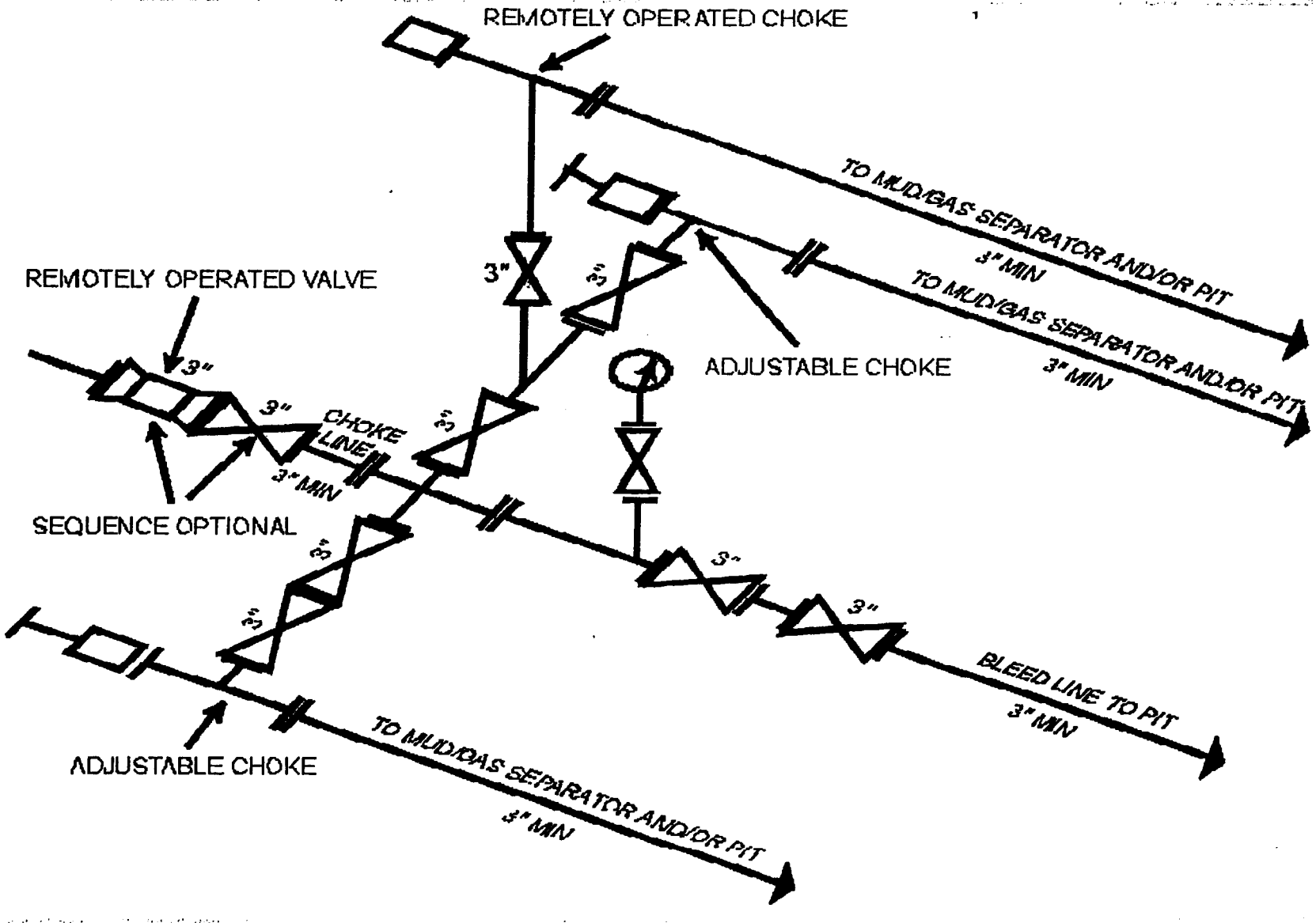
8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

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 13,400 psi. Maximum anticipated bottom hole temperature is 320° F.

ENSIGN 24

Bottom of Rot. Beam to grd- 16.3'
Rot. Head Height - 2.2'
Top of Flowline to Well Head - 16'
KB to Ground - 21.5'





I-4 10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[54 FR 39528, Sept. 27, 1989]

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

CA No. **Unit:**

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: n/a
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS: THIS IS A COMPANY NAME CHANGE.
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

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

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

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

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

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

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

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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068
4. LOCATION OF WELL
FOOTAGES AT SURFACE: attached
COUNTY: Uintah
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		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

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

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

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

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

(This space for State use only)

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APR 19 2007
DIV. OF OIL, GAS & MINING

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265	PHONE NUMBER: (303) 308-3068 / 10. FIELD AND POOL, OR WILDCAT:
4 LOCATION OF WELL: FOOTAGES AT SURFACE: attached	COUNTY: Uintah
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		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

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

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

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APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

United States Department of the Interior

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

IN REPLY REFER TO:
3100
(UT-922)

January 23, 2008

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Name Change Approval

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

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

/s/ Leslie Wilcken

Leslie Wilcken
Land Law Examiner
Branch of Fluid Minerals

cc: MMS
State of Utah, DOGM,

bcc: Dave Mascarenas
Susan Bauman
Connie Seare

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
UTU-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
GB 9D-27-8-21

2. Name of Operator
QEP Uinta Basin, Inc. Contact: Jan Nelson

9. API Well No.
43-047-34956

3a. Address
1571 East 1700 South, Vernal, UT 84078

3b. Phone No. *(include area code)*
435-781-4032

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1891' FSL 590' FEL, NESE, SECTION 27, T8S, R21E

11. County or Parish, State
Uintah

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QEP Uinta Basin, Inc set Conductor on 3/15/05. This location is currently being drilled.

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

Name *(Printed/Typed)*	Title
Laura Bills	Regulatory Assistant
Signature: Laura Bills	Date: February 6, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date

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

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

(Instructions on reverse)

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FEB 09 2007
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CONFIDENTIAL

UINTA BASIN - OPERATIONS REPORT – 1/17/07 – 1/29/07

CONFIDENTIAL – 'TIGHT HOLE'

Qep
27 8s 21e
43-047-34956

"Drilling Activity Only":

Ensign 24 – GB 9D 27 8 21

Spud Date: 12/14/06

Currently drilling @ 8,316' as of 1/31/07

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CONFIDENTIAL

Questar E & P

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

43-047-34956

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/14/2006	06:00 - 18:00	12.00	DRL	1	DRILL FROM 40' TO 560' - 17.5 HOLE FOR 13 3/8 PIPE
	18:00 - 19:00	1.00	CSG	2	RUN CASING TO BOTTOM
	19:00 - 22:00	3.00	CMT	2	CEMENT CASING, BUMP PLUG, FLOAT HELD, 52 BBLS CEMENT TO SURFACE
	22:00 - 23:00	1.00	LOC	4	RIG DOWN AND MOVE OFF OF LOCATION
12/16/2006	06:00 - 18:00	12.00	LOC	4	RIG DOWN - READY RIG TO LAY DERRICK OVER
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/17/2006	06:00 - 18:00	12.00	LOC	4	RIG DOWN FOR MOVE, INSTALL WELL HEAD AND BRACES, LOWER AND MOVE 3 BAR HOPPERS, MOVE SUCTION TANK ALONG WITH FUEL TANKS, MOVED AND SET SHACKS
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/18/2006	06:00 - 18:00	12.00	LOC	4	LOWER DERRICK TO GROUND AND DISASEMBLE FOR TRUCKS, LOWER DRAWWORKS AND MOTOR SHEDS TO GROUND AND HAUL TO NEW LOCATION. HAULED 28 LOADS - MORE SNOW ON OLD LOCATION - ALL TRUCKS USING CHAINS - MATS AND BOTTOMS SUBS WILL BE FIRST LOAD TO SHOW UP IN MORNING AND SET
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/19/2006	06:00 - 16:30	10.50	LOC	4	CLEAN SNOW FROM LOCATION, SET MATS AND SUBS, SET IN STACK AND ALL SUB BRACES, LEVEL AND SQUARE UP, UNLOADED TRUCKS, OLD LOCATION EMPTY EXCEPT TWO TRASH BINS WHICH WILL BE HAULED TO TOWN IN MORNING. 20% RIGGED UP - 100% HAULED IN
	16:30 - 17:30	1.00	RIG	7	SHUT RIG MOVE DOWN AND HELD SAFETY MEETING WITH CRANE -RIG - TRUCK PEOPLE. WHEN MEETING WAS DONE I ASKED IF ANYBODY WAS PUSHING THEM TO HURRY OR IF THEY FELT PUSHED - ALL SAID THERE WAS NO HURRYING GOING ON - BUT WHY DID ACCIDENT OCCUR? LOOKS LIKE NO COMUNICATION WHAT SO EVER BETWEEN THE TWO
	17:30 - 18:00	0.50	LOC	4	RIG UP RACKING BOARD AND RT. TABLE, DRAWWORKS REPAIRS = 40% DONE - TOOL PUSHER THAT IS HERE HAS NEVER MOVED THIS RIG BEFORE - HE IS FILLING IN AS MAIN T.P. HAD SURGERY ON FOOT AND RELIEF IS ON DAYS OFF. - THE MOVE WILL BE SLOWER.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/20/2006	06:00 - 07:00	1.00	RIG	7	SAFETY STAND DOWN MEETING
	07:00 - 18:00	11.00	LOC	4	PUT DERRICK TOGETHER AND SET ON FLOOR ALONG WITH DRAW WORKS, SET IN PUMPS AND MUD TANKS, SET FUEL TANKS - LIGHT PLANT AND HOPPER BUILDING, MEETING PAID OFF WITH A NEAR MISS. TRUCK DRIVER WAS CHECKING LOAD HITCHES ON 400 BBL UPRIGHT WATER TANKS AND FOUND LOAD HITCH WAS CRACKED. WELDER WILL FIX IN MORNING.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/21/2006	06:00 - 18:00	12.00	LOC	4	SET IN ALL BAR HOPPER EQUIPMENT, SET IN GAS BUSTER AND LINES EXCEPT FLARES WHICH WE PLAN ON FINISHING WHILE TESTING STACK. INSTALLED KILL LINE AND CHOKE LINE VALVES ECT. TRUCKS - CRANE - TRENCHER ALL RELEASED EARY AFTERNOON. FINISHED INSTALLING EXHAUST ON MOTOR SHEDS. STRING UP CREW COMING AT 10:00. ELECTRICAN COMING AT 09:00 TO REPAIR ELECTICAL PROBLEM (GENERATOR AND DOG HOUSE CORD ASSEMBLY. 3 CREW WILL BE SHOWING UP ON THURSDAY - NEW TOOL PUSHER IS SLOWER BUT HE DOES WORK CORRECT THE FIRST TIME - HE WILL SPLIT CREWS INTO GROUPS OF 2 AND 3, HAS LIST FOR EACH GROUP - SHOULD WORK WELL
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/22/2006	06:00 - 18:00	12.00	LOC	4	DERRICK 90% READY TO RAISE, BOILER AND STEAM LINES READY FOR WATER, GENERATOR PANEL REPAIRED(BREAKER WIRES AND FUSE HOLDERS LOOSE, BAD BREAKER) COMPOUND AND INPUT CHAINS ON ALONG WITH COVERS, SOLIDS CONTROL EQUIPMENT 65% RIGGED UP, LIGHTS 40% RIGGED UP, PUMP LINES ON ONE CHANGED FROM 5" TO 6 ",

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/22/2006	06:00 - 18:00	12.00	LOC	4	RIG GENERATOR FINALLY RUNNING AT 1730, HOPE TO BREAK TOUR ON FRIDAY, BOP TESTERS AND BLM NOTIFIED FOR HOPEFULL TESTING ON SATURDAY(BLM - MESSAGE LEFT AT OFFICE AND CELL PHONE - NO RETURN PHONE CALL YET)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/23/2006	06:00 - 18:00	12.00	LOC	4	HOOK DRILL LINE TO DRUM, GET DRILLERS COUNSEL WORKING - FROZEN AIR LINES, THAW AIR LINE TO FLOOR MOTORS AND START, GET WATER CIRCULATING ALONG WITH BOILER RUNNING, PUT TARPS UP ON SUBS, MAIN BOP STACK TORQUES UP, MAIN DIESEL TANK HOT OILED TO THAW OUT-SUCK OUT AND REPLACE WITH NEW DIESEL(WESTERN PET. HAND ON LOCATION), ELECTRICIANS 80% DONE - # 1PUMP COMPLETED - #2 PUMP 50 % DONE, I WASH PLATE LEFT TO CUT OUT WITH WELDER, SECOND TOOL PUSHER COMING TODAY TO HELP ON RIG UP AND HOPEFULLY ON SPUD - ONE DRILLER QUIT AFTER INCIDENT - THE OTHER WENT QUIT AND WENT PUSHING FOR PIONEER DRILLING- ONE WE WILL MISS-THE OTHER WILL NOT NOTOICE GONE
	18:00 - 06:00	12.00	LOC	1	WAIT ON DAYLIGHTS
12/24/2006	06:00 - 18:00	12.00	LOC	4	RIG STEAM LINES IN SUB ECT. RAISE DERRICK - 50% UNBRIDALED, ELECTRICIAN FINISHED, WELDER FINISHED, INSTALLED FLOOR PLATES, RT. CHANIN AND GUARD, #2 PUMP FINISHED EXCEPT FOR 1 SWAB, INSTALLED NEW SPERE, STARTED CIRCULATING THRU HYDROMATIC AND TEE VALVE ASSEMBLY CAME APART - WILL RESUME REPAIRS ON SUNDAY, NO WORKING STEAM HEATERS IN PUMP ROOM - WILL BE ONE DRILLER SHORT SUNDAY AND MONDAY - IF THEY BREAK TOUR ON MONDAY A TOOLPUSHER WILL HAVE TO BE A DRILLER, ONE DRILLER QUIT OR LETS SAY RETIRED AND ONE DRILLER WENT PUSHING FOR PIONEER DRILLING, WE WILL HAVE TO DRILLERS STARTING TUESDAY'S HITCH - ONE DRILLER FROM ANOTHER ENSIGN RIG BUT HAS NOT RUN A TOP DRIVE. WE HAVE ALOT TO DO BE FORE DRILLING - HOLIDAYS ARE GIVING ME GRIEF ON TRUCKING - CEMENT - PARTS ECT. TRYING TO FINISH RIG UP BUT KEEP RUNNING INTO MORE REPAIRS ALONG THE WAY
12/25/2006	06:00 - 18:00	12.00	LOC	4	RIG UP TONGS ON FLOOR, START RIGGING UP TOP DRIVE- 75% RIGGED ON TOP DRIVE, HANDS WORKING TEE VALVE ASSEMBLY, PUMP REMOTES, ROD WASHERS FROZEN FROM RIG MOVE(NOT DRAINED PROPERLY FOR RIG MOVE) HOPE WE BREAK TOUR ON MONDAY, HAVE ASKED TO GET RIGGED UP COMPLETELY BEFORE GETTING STEAM - WATER ECT. GOING BUT SAYS HE NEEDS STEAM TO HELP HIS RIG UP IN COLD WEATHER, STILL SHORT A DRILLER PLUS DAYLIGHTS SHORT 1 PERSON
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/26/2006	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING UP TOP DRIVE - TORQUED ALL CONNECTIONS - PUT BALES ON - SET DRILL PIPE TORQUE, INSTALLED NEW COMPLTE COVER ON 27 CORD AND HYD. HOSES ON TOP DRIVE, FINISHED REPAIRS ON TEE VALVE ASSEMBLY FOR HYDROMATIC AND BRAKE WATER, MUD LINES INSTALLED FROM PUMPS TO KELLY HOSE, KELLY HOSE NOT INSTALLED AS OF YET, MUD TANK GATES CLEANED AND SEALED AND READY FOR WATER, STILL SOME RIGGING UP ON TANKS, SOLIDS CONTROL EQUIPMENT 85% DONE, BAR HOPPERS AND PREMIX TANK 90% COMPLETE FOR OPERATION. PUMP BELT GUARDS INSTALLED - ONE CREW MEMBER SHORT ON DAYLIGHTS, NEW DRILLER CAME AND HELPED TODAY
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/27/2006	06:00 - 18:00	12.00	LOC	4	HOOK UP KILL - CHOKE LINES - FLOW LINE TO RT - INSTALL BOTH MOUSE HOLES, HOOK KELLY HOSE TO SWIVEL, GET WET SYSTEM WORKING ON PREMIX, REPAIR LEAK ON HYDRULIC HOSE AND WELDER REPAIR BRACKET

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/27/2006	06:00 - 18:00	12.00	LOC	4	ON TOP DRIVE - BREAKING TOUR
	18:00 - 20:00	2.00	LOC	4	REPAIR MUD TANK LEAKS - HOOK UP FLOW LINE TO RT. HEAD
	20:00 - 06:00	10.00	BOP	2	START TESTING BOP'S - 5000 PSI TEST - 3500 PSI ON BAG, WHEN DONE TESTING ENSIGN NEEDS TO FINISH GROUNDING EQUIPMENT - GET PIT PUMP CIRCULATING - PRESSURE TEST MUD LINES - THAW REST OF THERE EQUIPMENT OUT - REPLACE BURNED OUT MOTOR ON #2 PUMP ROD WASHER - WHEN READY TO PICK UP BHA - DRILL - WILL BACK UP RIG TIME - STONEY WITH BLM CALLED THIS MORNING - WAS ON HOLIDAY VACATION - DID VERBAL REPORT ON BOP TEST - GOOD TO GO
12/28/2006	06:00 - 08:30	2.50	BOP	2	FINISH TEST ON BOP'S - TEST CASING TO 1500 PSI - OK
	08:30 - 09:00	0.50	BOP	1	INSTALL WEAR BUSHING
	09:00 - 14:00	5.00	WOT	4	T.P. AND DRILLER INSTALLED WEAR BUSHING IMPROPERY - EGGED BUSHING WAIT ON NEW ONE FROM CAMERON, ENSIGN PAYING FOR REPLACEMENT BUSHING AND TIME, WHILE WATING FOR BUSHING THEY CONTINUED RIGGING UP AND FIXING, GOT YELLOW DOG RUNNING, THAWED FROZEN FLOW LINE Y AT SHAKER POSSUM BELLY, THAW FROZEN MUD ON SHAKER BELLY - SCREENS NOT PULLED AND WASHED UNDERNEATH BEFORE RIG MOVE, REPLACEED VALVES ON GUN LINE,
	14:00 - 18:00	4.00	WOT	4	ELECTRICIANCAME OUT WITH NEW MOTOR FOR #2 ROD WASHER PUMP - SAFETY PINS ON GAS BUSTER STAIRS AND MAKE READY AGAIN FOR PICKING UP BHA
	18:00 - 21:00	3.00	TRP	1	PICK UP BIT - MM AND BHA TO TOP OF FLOAT COLLAR
	21:00 - 21:30	0.50	DRL	4	DRILL FLOAT COLLAR - OUT OF AIR - CLUTCHES SMOKING
	21:30 - 04:00	6.50	RIG	2	REPAIR AIR LINES BETWEEN MOTORS - WHEN RIGGED UP AIR LINES FOR FLOOR MOTORS(BETWEEN EACH UNIT) WERE ONLY HAND TIGHT - ONE WAS CUT AND HAD TO REPAIR - AIR NOW STAYING AT 120 PSI WITH PUMPS RUNNING
	04:00 - 05:00	1.00	DRL	4	DRILL CEMENT IN SHOE JOINT AND FLOAT SHOE PLUS 10 EXTRA FEET FPR FIT
	05:00 - 06:00	1.00	EQT	2	FIT - DEPTH = 535', FOR 10.5 EQUIVELANT - 64 PSI SURFACE - OK - NEW DRILLER COMING ON - NO TOP DRIVE EXPERIANCE - WILL BE INSTALLING RT. HEAD - AND ADJUST BRAKES SO THEY ARE EVEN SO AUTO DRILLER WORKS - WILL BACK TIME UP 12 HOURS AT END OF HOLE FOR WHAT THEY DID ACCOMPLISH LAST NIGHT - T.P. OK WITH THAT AND WILL PASS ON TO SUPT.
12/29/2006	06:00 - 07:00	1.00	DRL	1	DRILL FROM 525 TO 589 - REAM EACH CONNECTION - ONCE KELLY DOWN CIRCULATE FOR 5 MIN.
	07:00 - 07:30	0.50	RIG	2	ADJUST BRAKES SO AUTO DRILLER WOULD CORRECTLY
	07:30 - 08:00	0.50	BOP	1	INSTALL RT. HEAD
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, FUNCTION HYDRILL AND C.O.M.
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 589 TO 670 - REAM CONNECTIONS - CIRCULATE FOR 5 MIN. WHEN KELLY DOWN
	11:00 - 12:00	1.00	RIG	2	WORK ON TOP DRIVE - RPM AND TORQUE FOR PASON SCREEN
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 670 TO 895 - REAM EACH CONNECTION
	18:00 - 04:30	10.50	DRL	1	DRILL FROM 895 TO 1281 - REAM ALL CONNECTIONS - CIRCULATE 5 MIN. EVERY KELLY DOWN
	04:30 - 05:00	0.50	CIRC	1	CIRCULATE TO SWEEPS AROUND FOR SURVEY
	05:00 - 06:00	1.00	SUR	1	SURVEY - DEPTH = 1224 - .9 - 311.3
12/30/2006	06:00 - 14:00	8.00	DRL	1	DRILL F/ 1281 TO 1654
	14:00 - 14:30	0.50	RIG	2	FIX CROWN O MATIC
	14:30 - 16:30	2.00	DRL	1	DRILLING FROM 1654 TO 1749
	16:30 - 17:30	1.00	RIG	1	RIG SER. TOP DRIVE
	17:30 - 01:00	7.50	DRL	1	DRILLF/1749 TO 2033

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/30/2006	01:00 - 01:30	0.50	SUR	1	SURVEY AT 1960 DEG .6 AZ 163.0
	01:30 - 06:00	4.50	DRL	1	DRILL F/2033 TO 2130
12/31/2006	06:00 - 16:30	10.50	DRL	1	DRILL F/ 2,126'-2,297', WOB- 12-25K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 50u, CONN GAS- 200u
	16:30 - 17:00	0.50	SUR	1	DROP SURVEY
	17:00 - 17:30	0.50	CIRC	1	CIRCULATE & PUMP TRIP SLUG
	17:30 - 18:00	0.50	TRP	10	TRIP OUT F/ BIT #1, RESET COM
	18:00 - 20:00	2.00	TRP	10	TRIP OUT F/ BIT #1
	20:00 - 21:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	21:00 - 22:00	1.00	TRP	10	CHANGE BITS & TRIP IN BHA
	22:00 - 23:00	1.00	RIG	2	RELEVEL DERRICK
	23:00 - 00:30	1.50	TRP	10	TRIP IN, INSTALL CORROSION RING & ROT. HEAD
	00:30 - 01:00	0.50	REAM	1	WASH 75' TO BTM (5' OF FILL)
	01:00 - 06:00	5.00	DRL	1	DRILL F/ 2,297'-2,336', WOB- 8-15K, RPM- 125 COMBINED, GPM- 775, MW- 8.5+, VIS- 28, BG GAS- 25u, CONN GAS- 70u, TRIP GAS- 3870u, NO FLARES
1/1/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 2,336'-2,437', WOB- 18-25K, RPM- 125 COMBINED, GPM- 775, MW- 8.4, VIS- 27, BG GAS- 75u, CONN GAS- 150u
	12:00 - 13:30	1.50	RIG	2	TOP DRIVE GENERATOR DIED,THAW OUT AIR LINE TO AIR STARTER & RESTART MOTOR, FINISH LEVELING DERRICK
	13:30 - 15:00	1.50	DRL	1	DRILL F/ 2,437'-2,470', DRLG WITH SAME PARAMETERS, MW & VIS
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	16:00 - 06:00	14.00	DRL	1	DRILL F/ 2,470'-2,786', WOB- 22-26K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 200u, CONN GAS- 360u, PICKING UP TRACE OF TRONA WATER, BUT NO FLOW ON CONNECTIONS.
1/2/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 2,786'-2,849', WOB- 24-26K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 200u, CONN GAS- 420u, PICKING UP TRACE OF TRONA WATER BUT NO FLOW ON CONNECTIONS.
	09:00 - 10:00	1.00	SUR	1	CIRC & SURVEY @ 2,849', SURVEY DEPTH- 2,769', 1 DEG, 252.1 AZ
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM (CENTER BOP STACK)
	11:00 - 18:00	7.00	DRL	1	DRILL F/ 2,849'-3,034', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 300u, CONN GAS- 700u, NO FLOW ON CONNECTIONS.
	18:00 - 04:00	10.00	DRL	1	DRILL F/ 3,034'-3,346', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 2,500u, CONN GAS- 4,000u, TRACE OF TRONA WATER, NO FLOW ON CONNECTIONS.
1/3/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 3,380'-3,453', BIT STARTED STICK SLIPPING F/ 3,390'-3,450', COULD ONLY RUN 10-20K,RPM- 125 COMBINED, GPM- 775, MW- 8.5+, VIS- 28, BG GAS- 1,100u, NO FLOW ON CONNECTION.
	09:00 - 10:00	1.00	RIG	2	TOP DRIVE MOTOR DIED, REPLACE FUEL LINE TO MOTOR.
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	11:00 - 18:00	7.00	DRL	1	DRILL F/ 3,453'-3,597', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 1300u, CONN GAS- 5400u, NO FLOW ON CONNECTIONS
	18:00 - 05:30	11.50	DRL	1	DRILL F/ 3,597'-3,847', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 750u, CONN GAS- 3,750u, NO FLOW ON CONNECTIONS.
	05:30 - 06:00	0.50	SUR	1	CIRC & SURVEY @ 3,847', SURVEY DEPTH- 3,767', 1.2 INC, 132.5 AZ
1/4/2007	06:00 - 11:30	5.50	DRL	1	DRILL F/ 3,847'-3,981', WOB- 28-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 1030u, CONN GAS- 7100u, NO FLOW ON CONNECTIONS
	11:30 - 12:30	1.00	RIG	2	REPLACE BAD FAST CAP GASKETS ON BOTH PUMPS
	12:30 - 13:30	1.00	DRL	1	DRILL F/ 3,981'-4,007', DRLG WITH SAME PARAMETERS, MW & VIS
	13:30 - 14:00	0.50	RIG	2	REPLACE BAD FAST CAP PLUG & GASKET ON #1 PUMP
	14:00 - 15:30	1.50	DRL	1	DRILL F/ 4,007'-4,036', DRLG WITH SAME PARAMETERS, MW & VIS
	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR VALVE & COM
	16:30 - 18:00	1.50	DRL	1	DRILL F/ 4,036'-4,078', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/4/2007	16:30 - 18:00	1.50	DRL	1	ON CONNECTION
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,078'-4,345', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 700u, CONN GAS- 3950u, NO FLOW ON CONNECTIONS.
1/5/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 4,345'-4,381', WOB- 30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 700u
	07:00 - 07:30	0.50	SUR	1	CIRC. & SURVEY @ 4,381', SURVEY DEPTH- 4,301', 1.6 INC, 139.4 AZ
	07:30 - 10:00	2.50	DRL	1	DRILL F/ 4,381'-4,443', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW ON CONNECTION
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	11:00 - 14:00	3.00	DRL	1	DRILL F/ 4,443'-4,506', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW ON CONNECTION
	14:00 - 14:30	0.50	RIG	2	STRING UP NEW WINCH LINE
	14:30 - 03:30	13.00	DRL	1	DRILL F/ 4,506'-4,678', WOB- 10-30K BIT IS BALLING UP & STICK SLIPPING)RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 250u, CONN GAS- 750u
	03:30 - 04:00	0.50	SUR	1	DROP SURVEY
	04:00 - 06:00	2.00	TRP	10	PUMP PILL & TRIP OUT F/ BIT #2, FUNCTION COM
1/6/2007	06:00 - 08:00	2.00	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM
	08:00 - 10:00	2.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHANGE OUT MUD MOTORS
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:00 - 14:00	3.00	TRP	10	TRIP IN, BREAK CIRC. @ 2,350'
	14:00 - 14:30	0.50	REAM	1	WASH 40' TO BOTTOM, 5' OF FILL
	14:30 - 18:00	3.50	DRL	1	DRILL F/ 4,678'-4,727', WOB- 6-14K, RPM- 125 COMBINED, GPM- 775, MW- 8.7, VIS- 29, BG GAS- 280u, TRIP GAS- 4300u.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,727'-4,845', WOB- 8-14K (BIT GOES INTO STICK SLIP WHEN WT REACHES 14K), RPM 160 COMBINED (RUNNING 80 SURFACE ROTARY TO REDUCE STICK SLIP) GPM- 790 GPM, MW- 8.7, VIS- 30, BG GAS- 125u, CONN GAS- 400u
1/7/2007	06:00 - 10:30	4.50	DRL	1	DRILL F/ 4,845'-4,878', WOB- 8-12K DUE TO STICK SLIPPING, RPM- 160 COMBINED, GPM- 790, MW- 8.6+, VIS- 31, BG GAS- 125u
	10:30 - 11:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	11:30 - 12:30	1.00	RIG	2	RELACE SWAB IN #2 PUMP & UNPLUG CHAIN OILER F/ #2 PUMP
	12:30 - 18:00	5.50	DRL	1	DRILL F/ 4,878'-4,917', DRLG WITH SAME PARAMETERS, MW & VIS
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,917'-5,070', WOB- 8-14K, RPM- 164 COMBINED (INCREASED SURFACE RPM TO 84 & STICK SLIPPING STOPPED), GPM- 790, MW- 8.6+, VIS- 33, BG GAS- 250u, CONN GAS- 500u
1/8/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 5,070'-5,164', WOB- 8-14K, RPM- 164 COMBINED, GPM- 790, MW- 8.6, VIS- 33, BG GAS- 125u, CONN GAS- 400u.
	12:00 - 13:00	1.00	SUR	1	CIRC. & WIRELINE SURVEY @ 5,164', SURVEY DEPTH- 5,084', 1 DEG, 45.9 AZ
	13:00 - 16:30	3.50	DRL	1	DRILL F/ 5,164'-5,204', DRLG WITH SAME PARAMETERS, STARTED MUD UP @ 5,150', MW- 8.6, VIS- 42, BG GAS- 150u, CONN GAS- 350u
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION UPPER PIPE RAMS & COM
	17:30 - 02:00	8.50	DRL	1	DRILL F/ 5,204'-5,276', WOB- 8-20K, RPM- 164 COMBINED, GPM- 790, MW- 8.7, VIS- 42, BG GAS- 25u, CONN GAS- 500u
	02:00 - 03:00	1.00	CIRC	1	CIRCULATE, MIX & PUMP PILL, FILL TRIP TANK
	03:00 - 06:00	3.00	TRP	10	PUMP PILL, BLOW DOWN STD PIPE & KELLY HOSE & TRIP OUT F/ BIT #3
1/9/2007	06:00 - 08:30	2.50	TRP	10	TRIP OUT, FUNCTION COM (HOLE FILL 4 BBLS OVER CALCULATED)
	08:30 - 09:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN MUD MOTOR & SHOCK SUB
	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CHANGE GRABBER DIES ON TOP DRIVE
	10:30 - 15:00	4.50	TRP	10	PICK UP NEW MOTOR, MAKE UP NEW BIT & TRIP IN SLOWLY, BREAK CIRC AT 950', 2,000' & 4,000' (LOST 150 BBLS TRIPPING IN)
	15:00 - 15:30	0.50	REAM	1	WASH 90' TO BTM, 5' OF FILL
	15:30 - 18:00	2.50	DRL	1	DRILL F/ 5,276'-5,329', WOB- 15-18K, RPM- 140 COMBINED, GPM- 705, MW-

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/9/2007	15:30 - 18:00	2.50	DRL	1	8.85, VIS- 42, BG GAS- 40u, TRIP GAS- 400u
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 5,329'-5,432', WOB- 12-20K (STILL HAVE STICK SLIPPING & BIT BALLING, STICK SLIP NOT AS BAD WITH .13 MOTOR) RPM- 160 COMBINED, GPM- 740, MW- 8.8, VIS- 42, BG GAS- 25, CONN GAS- 40, NO LOSSES
1/10/2007	06:00 - 12:30	6.50	DRL	1	DRILL F/ 5,432'-5,467', WOB- 15-30 (BIT BALLING & STICK SLIPPING), RPM - 140-160 COMBINED, GPM- 700-740, MW- 8.9, VIS- 41, BG GAS- 200u.
	12:30 - 13:00	0.50	REAM	1	BACK REAM TIGHT HOLE F/ 5,450'-5,447'
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:00 - 18:00	4.00	DRL	1	DRILL F/ 5,467'-5,495', DRLG WITH SAME PARAMETERS, MW & VIS (INCREASED POTASSIUM CHLORIDE FROM 20 MIN/SX TO 10 MIN/SX TO HELP CONTROL BIT BALLING)
	18:00 - 20:00	2.00	RIG	2	WORK ON BOTH PUMPS, REPLACE SWAB #2 PUMP & TIGHTEN ROD CLAMPS ON #1 PUMP
	20:00 - 00:30	4.50	DRL	1	DRILL F/ 5,495'-5,529', WOB- 20-25K, RPM- 165, GPM- 810 (INCREASED GPM TO HELP REDUCE BIT BALLING & STILL MIXING POTASSIUM CHLORIDE @ 10 MIN/SX) MW- 9, VIS- 40, BG GAS- 50
	00:30 - 01:30	1.00	REAM	1	BACK REAM F/ 5,529'-5,489' (SAMPLES AT SHAKERS ARE BENTONITE & CLAY)
	01:30 - 04:00	2.50	DRL	1	DRILL F/ 5,529'-5,554', DRLG WITH SAME PARAMETERS, MW- 8.9, VIS- 38, BG GAS- 150u, CONN GAS- 400u, NO LOSSES
	04:00 - 06:00	2.00	RIG	2	PUMP REPAIRS, LINER & SWAB IN # 2 PUMP & ROD WASHER ON #1 PUMP
1/11/2007	06:00 - 07:00	1.00	RIG	2	PUMP REPAIRS- REPLACE BAD FAST CAP GASKET & TIGHTEN ROD CLAMPS
	07:00 - 12:30	5.50	DRL	1	DRILL F/ 5,554'-5,579', WOB- 15-30K, RPM- 165 COMBINED, GPM- 810 (BIT BALLING & STICK SLIPPING)CONTINUE MIXING POTASSIUM CHLORIDE TO REDUCE BIT BALLING. MW- 8.9, VIS- 38, BG GAS- 150u
	12:30 - 13:30	1.00	RIG	2	TOP DRIVE MOTOR WENT DOWN- THAW OUT AIR LINE TO TOP DRIVE
	13:30 - 16:00	2.50	DRL	1	DRILL F/ 5,579'-5,592', WOB- 25K, RPM- 160 COMBINED, GPM- 775 (STARTED DRLG SHALE @ 5,580') MW- 9, VIS- 39, BG GAS- 80u, CONN GAS- 150u, NO LOSSES
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:00 - 18:00	1.00	DRL	1	DRILL F/ 5,592'-5,600', DRLG WITH SAME PARAMETERS, MW & VIS
	18:00 - 22:00	4.00	DRL	1	DRILL F/ 5,600'-5,655', WOB- 25-28K, RPM 160, GPM- 775, MW- 9, VIS- 38, BG GAS- 80u, CONN GAS- 880u
	22:00 - 23:00	1.00	REAM	1	BACK REAM THRU TIGHT HOLE F/ 5,655'-5,615'
	23:00 - 06:00	7.00	DRL	1	DRILL F/ 5,655'-5,725', WOB- 28-30K, RPM- 155 COMBINED, GPM- 775, MW- 9.1, VIS- 37, BG GAS- 275u, CONN GAS- 525u, NO LOSSES, TOP OF WASATCH- 5,674'
1/12/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 5,725'-5,781', WOB- 28-30K, RPM- 155 COMBINED, GPM- 775, MW- 9+, VIS- 39, BG GAS- 300u, NO LOSSES
	12:00 - 13:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM. CHANGED SHAKER SCREENS
	13:00 - 18:00	5.00	DRL	1	DRILL F/ 5,781'-5,813, WOB- 20-25K, RPM- 165 COMBINED, GPM- 810 (STARTED DRLG IN MORE BENTONITE AT 5,790', BUT BIT BALLING & STICK SLIPPING IS NOT AS SEVERE AS BEFORE)
	18:00 - 19:00	1.00	RIG	2	CHANGE SWAB & LINER IN #1 PUMP
	19:00 - 01:00	6.00	DRL	1	DRILL F/ 5,813'-5,850', WOB- 25-30K, RPM- 165 COMBINED, GPM- 810 (DRILLED IN BENTONITE UNTIL5,828') MW- 9+ VIS- 41, BG GAS- 300u, CONN GAS- 1100u, HOLE SEEPNIG 2 BBLS/HR
	01:00 - 01:30	0.50	SUR	1	DROP SURVEY
	01:30 - 06:00	4.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #4 (THAW OUT TRIP TANK LINE)
1/13/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT F/ BIT #4 (SNOWING HEAVILY)
	07:30 - 08:00	0.50	TRP	10	FUNCTION BLIND RAMS, BREAK BIT & RETRIEVE SURVEY TOOL
	08:00 - 09:00	1.00	TRP	10	MAKE UP NEW BIT & TRIP IN DC'S, BREAK CIRC.

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/13/2007	09:00 - 10:00	1.00	RIG	6	CUT DRLG LINE, RESET COM
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:00 - 14:00	3.00	TRP	10	TRIP IN SLOWLY, BREAK CIRC. AT 2,712'
	14:00 - 14:30	0.50	RIG	2	REPAIR VALVE ON AIR TANK IN MOTOR SHED
	14:30 - 15:00	0.50	RIG	2	CIRC. & THAW WATER LINE TO HYDROMATIC
	15:00 - 16:30	1.50	TRP	10	TRIP IN SLOWLY, LOST 25 BBLS TRIPPING IN
	16:30 - 17:00	0.50	REAM	1	BREAK CIRC. & SAFETY REAM 100' TO BTM, 5' OF FILL
	17:00 - 18:00	1.00	DRL	1	DRILL F/ 5,850'-5,860', WOB- 8-10K, RPM- 160 COMBINED, GPM- 776, MW- 9, VIS- 40, BG GAS- 275u, TRIP GAS- 9680u, NO FLARE
	18:00 - 19:00	1.00	DRL	1	DRILL F/ 5,860'-5,885', DRLG WITH SAME PARAMETERS, MW & VIS
	19:00 - 21:00	2.00	RIG	2	REPLACE SWAB & LINER IN #2 PUMP
	21:00 - 06:00	9.00	DRL	1	DRILL F/ 5,885'-6,061', WOB- 2-10K, RPM- 165 COMBINED, GPM- 776, MW- 9, VIS- 42, BG GAS- 200u, CONN GAS- 350u, SEEPING 2 BBLS/HR, PUMPING 10 BBLS SWEEPS WITH 10% LCM & MIXING WALNUT, MICA & PHENOSEAL HRLY TO CONTROL LOSSES.
1/14/2007	06:00 - 08:00	2.00	DRL	1	DRILL F/ 6,061'-6,093', WOB- 4-8K, RPM- 165 COMBINED, GPM- 740, MW- 9.1+, VIS- 45 BG GAS- 250u, SEEPING 2 BBLS/HR, PUMPING 10 BBL LCM SWEEPS HOURLY TO CONTROL SEEPAGE.
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR VALVE & COM
	09:00 - 18:00	9.00	DRL	1	DRILL F/ 6,093'-6,225', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 250u, CONN GAS- 1500u, SEEPING 2 BBLS/HR, PUMPING LCM SWEEPS & INCRESED MAKE UP WATER FROM 5 GAL/MIN TO 10 GAL/MIN TO LOWER MW.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6,225'-6,355', WOB- 5-12K, RPM- 165, GPM- 740, MW- 9.1, VIS- 38, BG GAS- 350u, CONN GAS- 1250u, SEEPING 2-3 BBLS/HR, MIXING WALNUT, MICA & PHENOSEAL 1/2 HR/SX & PUMPING 10 BBL SWEEPS WITH 10% LCM HRLY TO TRY TO STOP LOSSES & RUNNING MAKE UP WATER @ 12 GAL/MIN. TO HELP LOWER MW TO 9
1/15/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 6,355'-6,472', WOB- 5-12K, RPM- 165 COMBINED, GPM- 740, MW- 9, VIS- 41, BG GAS- 400u, CONN GAS- 1170u, SEEPAGE INCREASED TO 8-10 BBLS/HR AT 6,370', BYPASSED SKAKERS AT 6,400' & ADDED 6% LCM TO SYSTEM. LOSSES DROPPED TO 2-3 BBLS/HR.
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 6,472'-6,500', WOB- 5-12K, RPM- 165, GPM- 705, MW- 9.1, VIS- 44, BG GAS- 250u, LCM- 6%, SEEPING 4-6 BBLS/HR.
	20:00 - 20:30	0.50	RIG	2	REPACE BAD VALVE & SEAT IN #1 PUMP
	20:30 - 06:00	9.50	DRL	1	DRILL F/ 6,500'-6,615', WOB- 5-12K, RPM- 165, GPM- 705, MW- 9.1, VIS- 48, BG GAS- 250u, CONN GAS- 650u, LCM- 8%, SEEPING 8 BBLS/HR.
1/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL F/ 6,615'-6,661', WOB- 5-12K, RPM- 165 COMBINED, GPM- 705, MW- 9.1, VIS- 52, BG GAS- 250u, LCM- 10%, SEEPING 12 BBLS/HR
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	11:00 - 14:30	3.50	CIRC	1	CIRCULATE @ 300 GPM TO STOP LOSSES, MIXED WALNUT, MICA, LT PHALT & PHENOSEAL AT 20 MIN./SX, LOSSES STOPPED WHILE CIRCULATING AT THIS RATE. CHECKED VALVES & SEATS IN BOTH PUMPS WHILE CIRCULATING.
	14:30 - 21:00	6.50	DRL	1	DRILL F/ 6,661'-6,730', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 600u, CONN GAS- 1700u, 10% LCM, SEEPING 5-6 BBLS/HR
	21:00 - 02:00	5.00	RIG	2	TOP DRIVE REPAIR (REPLACE FUEL FILTERS & STARTER)
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 6,730'-6,755', WOB- 8-12K, RPM- 165 COMBINED, GPM- 762, MW- 9.1, VIS- 41, BG GAS- 350u, CONN GAS- 650u, LCM- 12%, SEEPING 2-3 BBLS/HR
1/17/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 6,755'-6,786', WOB- 8-12K, RPM- 170 COMBINED, GPM- 762, MW- 9.1, VIS- 42, BG GAS- 250, LCM- 12%, SEEPING 2-3 BBLS/HR
	08:30 - 09:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BTM PIPE RAMS & COM

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/17/2007	09:30 - 18:00	8.50	DRL	1	DRILL F/ 6,786'-6,863, DRLG WITH SAME PARAMETERS, MW & VIS, LCM- 14%, SEEPING 2 BBLS/HR
	18:00 - 01:00	7.00	DRL	1	DRILL F/ 6,863'-6,974', WOB- 8-15K, RPM- 170 COMBINED, GPM- 762, MW- 9.1, VIS- 41, BG GAS- 200u, CONN GAS- 900u, LCM- 12%, SEEPING 2 BBLS/HR
	01:00 - 01:30	0.50	RIG	2	THAW OUT AIR LINE TO #2 MOTOR CLUTCH
	01:30 - 06:00	4.50	DRL	1	DRILL F/ 6,974'-7,045', WOB- 10-15K, RPM- 170 COMBINED, GPM- 762, BG GAS- 150u, CONN GAS- 950u, LCM- 14%, NO LOSSES
1/18/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 7045 TO 7100 - ALL MUD PRODUCTS THE SAME
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CHECK C.O.M. - FUNCTION TOP PIPE RAMS
	10:30 - 18:00	7.50	DRL	1	DRILL FROM 7100 TO 7194
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7194 TO 7295 - 2.85% KCL - 13% LCM - CONNECTIONS ARE SMOOTH - NO LOSSES AT PRESENT - 150 BR W/ CONN. AT 300 - 9.1 MUD WT. 165 TOTAL RPM - ROP BETTER THAN OFFSET WITH 9.875 BIT VS. 12.250
1/19/2007	06:00 - 06:30	0.50	DRL	1	DRILL FROM 7295 TO 7297
	06:30 - 11:00	4.50	RIG	2	CHECK #2 PUMP OUT - HAMMERING REAL BAD - AFTER VISUAL INSPECTION FOUND NOTHING - WAITING ON MECHANIC - CIRCULATE WITH ONE PUMP
	11:00 - 11:30	0.50	SUR	1	SURVEY WHILE WAITING - 7212' - 2.0 - 155.5 - NOT SURE IF I BELIEVE SURVEY - WILL DROP ONE WHEN TRIPPING
	11:30 - 18:00	6.50	RIG	2	MECHANIC SHOWED UP - TOOK BACK GEAR BOX COVER OFF - FOUND 1-1/16 HEAD BOLT LAYING IN BOTTOM - COULD FIND NO PLACE FOR IT TO GO - CHECKED ALL CROSS HEADS AND BEARINGS - COULD NOT FIND ANY PROBLEMS - PUT TOGETHER AND RUN PUMP THRU POP OFF LINE -POP OFF LINE FROZE - THAWED OUT - PUMP SOUNDED GOOD - PUT ON LINE UNDER PRESSURE - STILL SOUNDED GOOD - GOING BACK TO DRILLING
	18:00 - 21:30	3.50	DRL	1	DRILL FROM 7297 TO 7329 - PUMP HAMMERS AT 110 STROKES(#2) 104 STROKES OK
	21:30 - 00:00	2.50	RIG	2	SHUT #2 PUMP IN AND GO THRU SUCTION AND DISCHARGE VALVES AGAIN - LOST 100 PSI - FOUND NO PROBLEMS - KICK PUMP ON - PUMP PRESSURE IS BACK
	00:00 - 06:00	6.00	DRL	1	DRILL FROM 7329 TO 7375 - NO LOSSES W/ 11% LCM - 2.75 KCL - P RATE HAS SLOWED A LITTLE BUT OFF SET ALSO DID AT SAME DEPTH - STILL DOING GOOD WITH 12.250 VS 9.875 HOLE
1/20/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 7375 TO 7414
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	12:00 - 15:00	3.00	DRL	1	DRILL FROM 7414 TO 7426 - ALL MUD PRODUCTS THE SAME - ROP SLOWED WITH INCREASED TORQUE TO NO TORQUE
	15:00 - 16:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT - BUILD TRIP SLUG -
	16:00 - 17:00	1.00	SUR	1	DROP SURVEY AND PUMP PILL
	17:00 - 18:00	1.00	TRP	10	BLOW DOWN STAND PIPE AND KELLY HOSE - START TRIP OUT
	18:00 - 01:30	7.50	TRP	10	TRIP OUT FOR BIT - NEW DRILLER AND TRAINEE DERRICKMAN - TWO TRAINEES ON FLOOR - HAD TWO OVER PULLS - BOTH 20 OVER AND WENT RIGHT THREW (2685 AND 2132)
	01:30 - 04:30	3.00	TRP	1	HANDLE BHA - LAY DOWN OLD MOTOR AND PICK UP NEW MUD MOTOR = 9.625 AND SWAP OUT BIT
	04:30 - 05:00	0.50	BOP	2	FUNCTION BOP EQUIPMENT AS PER BLM REQUIRMENTS
	05:00 - 06:00	1.00	RIG	5	THAW OUT ELEVATORS AND TONGS - THAW AND CLEAN PART OF FLOOR
1/21/2007	06:00 - 06:30	0.50	TRP	2	TRIP TWO STANDS OF BHA OUT TO DOUBLE CHECK CROWS FOOT (DID NOT INSPECT AS REQUESTED)
	06:30 - 08:30	2.00	TRP	2	TRIP IN TO HOLE - FILL AND CIRCULATE EVERY TWO ROWS - CHANGE OUT CORROSIN RING - INSTALL RT. HEAD
	08:30 - 10:30	2.00	RIG	2	HEAT HYD. OIL ON TOP DRIVE SO IT WOULD ACTIVATE ROTATION - WAS IN WINTER MODE WHILE TRIPPING BUT GOT TO COLD - UNIT IS WRAPPED FROM WAETHER

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/21/2007	10:30 - 15:00	4.50	TRP	2	TRIP IN TO HOLE - FILL AND CIRCULATE EVERY TWO ROWS - MUD VERY COLD - THICK - ECT.
	15:00 - 18:00	3.00	REAM	1	WASH AND REAM 150' OF VERY STICKY - THICK - SOFT FILL - COULD ONLY KEEP PUMPS AT 80 STROKES UNTIL FLUID STARTED RELAXING A LITTLE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7426 TO 7505 - NOT DRILLING AS EXPECTED - WORKING BIT WT. - RPM - ECT VERY AGGESSIVELY TO KEEP ROP UP - TORQUE RUNNING HIGH BUT NEED IT TO DRILL - GETTING MUD WT. BACK TO 9.1 - RUNNING WATER AT 5 GALLONS P/M
1/22/2007	06:00 - 06:30	0.50	DRL	1	DRILL FROM 7505 TO 7510 - BAD SLIP STICK - HIGH TORQUE
	06:30 - 08:00	1.50	RIG	2	CHANGE OUT ON #2 PUMP
	08:00 - 11:30	3.50	DRL	1	DRILL FROM 7510 TO 7530 - HAVING HARD TIME TO GET TO DRILL - NO P RATE
	11:30 - 13:00	1.50	CIRC	1	CIRCULATE AND CONDITION MUD FOR TRIP OUT - MIX AND PUMP PILL - BLOW KELLY DOWN
	13:00 - 18:00	5.00	TRP	10	TRIP OUT FOR DIFFERANT BIT AND MM - HOLE FILL = 7 BBLS EXTRA - CHECKED C.O.M.
	18:00 - 19:00	1.00	TRP	1	HANDLE BHA - LDMM AND BIT - PICK UP SAME
	19:00 - 23:00	4.00	TRP	2	PICK UP BHA AND FILL AND TEST MM, FILL AT 4500'
	23:00 - 23:30	0.50	CIRC	1	CIRCULATE TRIP SLUG TO SURFACE
	23:30 - 02:00	2.50	TRP	2	TRIP TO 90' FROM BOTTOM
	02:00 - 03:00	1.00	REAM	1	SAFETY REAM 90' TO BOTTOM AND TO HELP CONDITION COLD MUD
	03:00 - 04:00	1.00	DRL	1	DRILL FROM 7530 TO 7538
	04:00 - 05:00	1.00	RIG	2	REPAIR AIR LINE TO #2 PUMP CLUTCH
	05:00 - 06:00	1.00	DRL	1	DRILL FROM 7538 TO 7550 - PR COMING UP - TORQUE DOING GREAT SO FAR
1/23/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 7550 TO 7593 - P RATE IS UP BUT SO FAR CAN NOT ADJUST ENOUGH TO TAKE CARE OF SLIP STICK
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, CHECK C.O.M. AND UPPER PIPE RAMS
	10:30 - 14:00	3.50	DRL	1	DRILL FROM 7593 TO 7614 - CAN NOT CONTROL P-RATE OR SLIP STICK - HOLD CONFERANCE CALL AND DECIDE TO TRIP
	14:00 - 16:00	2.00	RIG	2	REPLACE SWAB AND LINER IN #2 PUMP
	16:00 - 18:00	2.00	TRP	10	PUMP PILL AND TRIP OUT FOR BIT
	18:00 - 20:00	2.00	TRP	10	TRIP OUT TO 1600'
	20:00 - 21:00	1.00	BOP	1	PULL RT HEAD - CHANGE OUT RT HEAD AND READY FOR TRIP IN
	21:00 - 21:30	0.50	TRP	2	FINISH TRIP OUT
	21:30 - 22:30	1.00	TRP	1	SWAP OUT BIT AND CLEAN ICE FROM FLOOR TO TRIP IN TO HOLE
	22:30 - 01:30	3.00	TRP	2	TRIP BHA IN AND FILL AND CIRCULATE
	01:30 - 02:30	1.00	TRP	2	TRIP IN - INSTALL RT HEAD - FILL AND CIRCULATE BOTTOMS UP
	02:30 - 03:30	1.00	TRP	2	TRIP IN TO HOLE TO 7500'
	03:30 - 04:30	1.00	REAM	1	SAFETY WASH AND REAM 114' TO BOTTOM - OK
	04:30 - 06:00	1.50	DRL	1	DRILL FROM 7614 TO 7620 - BREAK BIT IN SLOWLY - BIT WANTED TO BOUNCE FROM 15 TO 20 WT. WORKING RPM ON BOTH MM AND ROTARY - RESTARTING BIT IS HELPING - NOW RUNNING 23K ON BIT WITH TOTAL RPM AT 160 - ROP IS FROM 5 TO 9 - WILL KEEP WORKING WITH IT
1/24/2007	06:00 - 12:00	6.00	DRL	1	DRILL FROM 7620 TO 7656 - WORK PUMPS - ROTARY - BIT WT. - TO KEEP FROM BOUNCING - SMOOTHED OUT FINALLY AND GOT DRILLING - 95 STROKES ON PUMPS - 75 RT. - 37 K ON BIT
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS
	13:00 - 18:00	5.00	DRL	1	DRILL FROM 7656 TO 7700
	18:00 - 19:00	1.00	DRL	1	DRILL FROM 7700 TO 7709 - LAST THREE FEET STARTED SLOWING DOWN - TORQUE DROPPED - ADDED 1 K TO BIT AND IT TORQUED - PULLED OF BOTTOM -
	19:00 - 20:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP - READY FOR TRIP OUT - READY TRIP SLUG

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/24/2007	20:30 - 02:30	6.00	TRP	10	PUMP PILL - BLOW KELLY DOWN - TRIP OUT - NON ROTATE USING PIPE SPINNERS
	02:30 - 04:30	2.00	TRP	1	LD MM AND BIT - PICK UP MM - BIT AND SHOCK SUB
	04:30 - 06:00	1.50	TRP	2	TRIP BHA INTO HOLE
1/25/2007	06:00 - 09:00	3.00	TRP	2	TRIP IN TO HOLE SLOWLY - RETURNS ARE SLOWING - ADDING LCM TO SUCTION AND SPOTTING ON BACKSIDE WHILE FILLING AND STAGING IN TO HOLE
	09:00 - 09:30	0.50	BOP	1	INSTALL RT. HEAD
	09:30 - 13:00	3.50	TRP	2	TRIP - STAGE IN TO HOLE = 45, FILL PIPE AND SPOT LCM EVERY 10 STANDS, RETURNS ARE PICKING UP GOOD
	13:00 - 14:00	1.00	REAM	1	SAFETY REAM 160' TO BOTTOM - MUD CLABBERED UP - PUMP RATE LOWER
	14:00 - 15:00	1.00	CIRC	1	CIRCULATE AND CONDITION MUD WHILE CLEANING BOTTOM OF HOLE FOR BREAKING BIT IN
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 7709 TO 7728 - MUD GETTING BETTER - ADDING WATER AND DRILL THIN TO SYSTEM ALONG WITH 14% LCM - AT 1800 LOSSES DOWN TO 4 BBLS PER HOUR AND SLOWING
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	19:00 - 03:30	8.50	DRL	1	DRILL FROM 7728 TO 7774 - NO LOSSES AT PRESENT - TOTAL LOSSES = 130 BBLS - BIT DIED - NO TORQUE - BIT BALLING SWEEPS DID NOT HELP NOR DID WIDENED BIT PERAMATERS HELP - CALLED EVERY BODY - GOING TRIPPING AGAIN - WILL HAVE TO CUT DRILL LINE WHEN GOING IN TO HOLE
	03:30 - 05:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP WHILE BUILDING TRIP SLUG
	05:00 - 05:30	0.50	CIRC	1	PUMP PILL AND BLOW KELLY DOWN
	05:30 - 06:00	0.50	RIG	2	TRIP OUT FOR BITRIG DOWN TIME DUE TO NO AIR TO DRILLERS CONSEL - POSSIBLEY FROZEN
1/26/2007	06:00 - 07:30	1.50	RIG	2	THAW OUT AIR COMPRESSOR AND AIR LINES - FROZEN - NO AIR TO DRILLERS CONSEL,
	07:30 - 13:30	6.00	TRP	10	TRIP OUT FOR BIT - LAST 27 STANDS WET
	13:30 - 14:30	1.00	OTH		CLEAN FLOOR FROM WET TRIP
	14:30 - 15:00	0.50	TRP	1	PICK UP AND INSTALL IBS
	15:00 - 17:30	2.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY - KEEPING FLOW TO 12%
	17:30 - 18:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - SO FAR FULL RETURNS - 3 BBL LOSS
	18:00 - 19:00	1.00	TRP	2	TRIP 2 ROWN IN AT TRIP SPEED OF 60 - SLOW
	19:00 - 19:30	0.50	CIRC	1	INSTALL RT. HEAD AND CIRCULATE BOTTOMS UP
	19:30 - 21:00	1.50	TRP	2	STAGE PIPE TO 120' FROM BOTTOM - LOST 79 BBLS TOTAL ON TRIP - HOLE IN SMOOTH SHAPE ON WAY IN
	21:00 - 22:00	1.00	REAM	1	WASH AND REAM 120' TO BOTTOM - NO FILL AND NO TIGHT SPOTS - MAINLY DONE TO GET MUD MOVING AND SLOWLY INCREASING PUMP STROKES - FULL FLOW AT BOTTOM - 15% LCM
	22:00 - 04:00	6.00	DRL	1	DRILL FROM 7774 TO 7813 - MUD STARTING TO LOOK REAL GOOD - MUD WT. BACK TO 9.2 TO 9.25 - HARD TO TELL IF WE ARE LOSING MUD AT PRESENT AS BOTH CENT. ARE WORKING HARD. WILL BYPASS EQUIPMENT LATER THIS MORNING AND DO A 2 HOUR GAIN/LOSS CHECK
	04:00 - 06:00	2.00	RIG	2	GO THRU BOTH MUD PUMPS AS THEY ARE BOTH RUNNING ROUGH - POSSIBLE SEATS AND VALVE PROBLEM FROM LCM 79 BBL LOSS ON TRIP TALKED TO BLM ABOUT BOP MONTHLY TEST DUE ON SATURDAY - CLIFF SAID TO GO AHEAD AND SEE HOW THIS BIT DOES
1/27/2007	06:00 - 07:30	1.50	RIG	2	FINISH GOING THRU BOTH PUMPS - 3 SEATS AND 3 VALVES - RUBBER MALLOT IN SUCTION LINE
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 7813 TO 7832
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE -
	11:30 - 12:30	1.00	LOC	7	CLEAN SHAKER PIT - 90% FULL OF CUTTINGS
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 7832 TO 7861 - SOME TORQUEY DRILLING - SLOW DRILLING

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/27/2007	12:30 - 18:00	5.50	DRL	1	AND SOME FAST
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7861 TO 7918 - VERY TOUGH DRILLING - WAS GOING TO PULL BIT 3 TIMES BUT WAS ABLE TO GET DRILLING AGAIN - ALSO HAD PROBLEMS WITH RETURN VIS. GOT UP TO 140 TO 160 - WE HAD TO DRILL THRU A BENTNITE STRINGERS - MUD LOGGER DID NOT SEEM THEM
1/28/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 7918 TO 7926
	07:00 - 08:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CHECK C.O.M. AND ANNULAR
	08:00 - 13:30	5.50	DRL	1	DRILL FROM 7926 TO 7947 - BIT WT. UP TO 25,000 JUST TO GET IT TO DRILL - SLIP STICK AND TORQUE HAS GOTTEN UNCONTROLABLE - COULD NOT PUT ON BOTTOM AGAIN SMOOTHLY
	13:30 - 14:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE MIXING TRIP SLUG,
	14:30 - 15:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL
	15:00 - 16:00	1.00	TRP	2	BLOW DOWN KELLY AND TRIP FOR BIT
	16:00 - 16:30	0.50	RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	16:30 - 18:00	1.50	TRP	2	TRIP OUT - HOLE SMOOTH - FILL OK
	18:00 - 19:00	1.00	TRP	10	TRIP OUT
	19:00 - 20:30	1.50	TRP	1	HANDLE BHA - LDMM - LD IBS - CHANGE OUT BIT AND JARS
	20:30 - 22:30	2.00	TRP	2	TRIP BHA IN TO HOLE SLOWLY AND FILL
	22:30 - 23:30	1.00	RIG	6	CUT 120' OF DRILL LINE
	23:30 - 01:30	2.00	TRP	2	TRIP TO 3776 SLOWLY
	01:30 - 02:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - CIRCULATE TRIP SLUG OUT
	02:00 - 05:30	3.50	TRP	2	STAGE TO BOTTOM - FILL AND CIRCULATE 5 MIN. EVERY 20 STANDS - HOLE DOING GOOD - LOST 7 BBLS ON TRIP - VERY GOOD
	05:30 - 06:00	0.50	REAM	1	SAFETY WASH AND REAM 30' TO BOTTOM - ALSO STAGE MUD PUMPS STROKES UP
1/29/2007	06:00 - 07:00	1.00	CIRC	1	CIRCULATE AND STAGE PUMPS UP - MUD COLD - HAD TO EASE PUMPS UP AS MUD WAS THICK - HIGH FLOW % AND WOULD RUN OVER BYPASSED SHAKERS
	07:00 - 14:30	7.50	DRL	1	DRILL FROM 7947 TO 7998 - BIT BREAK WAS VERY SMOOTH - TORQUE IS GREAT WITH NO SLIPSTICK - 111 MM RPM WITH 65 ON TABLE
	14:30 - 15:30	1.00	RIG	2	CHANGE OUT SWAB
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 7998 TO 8011
	18:00 - 19:00	1.00	DRL	1	DRILL FROM 8011 TO 8015
	19:00 - 20:30	1.50	RIG	2	REPLACE SWIVEL PACKING
	20:30 - 06:00	9.50	DRL	1	DRILL FROM 8015 TO 8085 - MUD IS GOOD - TORQUE GREAT AND NO SLIPSTICK - LIFE IS PRESENTLY GREAT
1/30/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 8085 TO 8104
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE AND FUNCTION TOP PIPE RAMS
	11:30 - 18:00	6.50	DRL	1	DRILL FROM 8104 TO 8141
	18:00 - 06:00	12.00	DRL	1	8141 TO 8211 - 8101 8110 THE ROCK GOT HARDER. USED 23K ON BIT TO GET THRU IT, NEEDING 19K ON BIT TO KEEP DRILLING - TORQE AND ROTARTY SMOOTH - MUD WT. 9.5 - CONNECTIONS REAL GOOD - SOLIDS CONTROL RUNNING GOOD,
1/31/2007	06:00 - 06:30	0.50	RIG	2	CHANGE OUT SWAB
	06:30 - 07:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 8218 TO 8226
	08:30 - 10:30	2.00	RIG	2	CHANGE OUT SWABS AND LINERS
	10:30 - 11:30	1.00	DRL	1	DRILL FROM 8226 TO 8229
	11:30 - 12:30	1.00	RIG	2	CHANGE OUT ANOTHER SWAB AND LINER
	12:30 - 16:00	3.50	DRL	1	DRILL FROM 8229 TO 8250
	16:00 - 18:00	2.00	RIG	2	CHANGE OUT LAST SWAB AND LINER
	18:00 - 23:30	5.50	DRL	1	DRILL FROM 8250 TO 8290

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/31/2007	23:30 - 00:00	0.50	RIG	2	REPAIR VALVE AND SEAT IN MUD PUMP
	00:00 - 04:30	4.50	DRL	1	DRILL FROM 8290 TO 8316 - ROP IS PICKING UP A LITTLE AND STARTING TO DRILL WITH LESS WT.
	04:30 - 06:00	1.50	RIG	2	RIG REPAIR - NO AIR - RIG AIR SCREW COMPESSOR IS COMPUTERIZED AND IS HAVING A GLITCH
2/1/2007	06:00 - 18:00	12.00	RIG	2	WAIT ON CLUTCH UNTIL 1430 - PUT ON AND WAS REPAIRING AIR LEAK WHEN THEY DISCOVERED A CRACK IN THE PUMP CLUTCH HUB - TEAR APART AND WAIT ON MORE PARTS - NO MECHANIC INVOLVED YET - JUST TOOL PUSHER AND CREWS
	18:00 - 06:00	12.00	RIG	2	NEW PARTS SHOWED UP AT 00:30 AND THEN STARTED PUTTING TOGETHER. AT 0400 THEY ARE KICKING IN BOTH PUMPS - AS OF 0430 BOTH PUMPS RUNNING FINE BUT #1 PUMP CLUTCH DOES NOT KICK OUT COMPLETLY WHEN #2 IS RUNNING, THEY ARE PUMPING LINES WITH DEICER AND PUTTING STEAM ON LINES TO MAKE SURE THERE IS NO FROZEN SPOTS. AFTER CHECKING ALL CLUTCHES WHILE RUNNING UNDER PRESSURE THEY ARE LOSING AIR - STARTED KICKING OUT EACH CLUTCH SEPERATE AND ISOLATED AIR PROBLEM TO #1 MOTOR CLUTCH - AIR FLEX CLUTCH WHICH HAS A HOLE IN BOOT AND LOOKS TO BE WHAT CAUSED THE PROBLEMS ON PUMP CLUTCH - IT IS A COMMON 24" AIR FLEX AND NATIONAL WILL HAVE ONE IN STOCK AND IF NOT WILSON SUPPLY WILL HAVE ONE - AND IS A EASIER SWAP OUT - FULL AIR WITH IT KICKED OUT - THEY ALSO FOUND A AIR LEAK FROM SUPPLY TANK TO COMPOUND - REPAIRING IT NOW - ALL OTHER LINES HAVE BEEN CHECKED AND DOUBLE CHECKED - 0530 BOTH PUMP CLUTCHES WORKING GREAT - 0545 NATIONAL DOES NOT HAVE ONE BUT WILSON DOES AND IS ON THE WAY
2/2/2007	06:00 - 09:30	3.50	RIG	2	FINISH REPAIRING CLUTCHES ECT - RUN AND CHECK EVERYTHING OUT - OK TO DRILL
	09:30 - 14:00	4.50	DRL	1	DRILL FROM 8316 TO 8356
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAM - CHECK C.O.M.
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 8356 TO 8395
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 8395 TO 8469 , - MUD WT. = 9.3 - 43 VIS - DRILLING GOOD - STEADY TORQUE - BIT TRYING TO BALL UP AT 8455 - SAMPLES CONFIRM IT. MIXING UP BIT BALLING SWEEPS - FIRST WILL BE 15 BBLS WITH 5 BBLS EVERY HALF HOUR - MUD LOGGERS ALONG WITH RUSSEL STILL SHOWED THE MESA-VERDE COMING IN AT 8383
2/3/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 8469 TO 8490
	10:30 - 11:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE WAITING ON ORDERS FOR POSSIBLE TD ON INTER.
	11:30 - 13:00	1.50	DRL	1	DRILL FROM 8490 TO 8498
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 15:30	1.50	DRL	1	DRILL FROM 8498 TO 8504 - HIGH TORQUE AND SLIP STICK
	15:30 - 16:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP FOR SHORT TRIP FOR LOGS
	16:30 - 18:00	1.50	TRP	14	PUMP PILL, BLOW KELLY DOWN, TRIP OUT
	18:00 - 20:00	2.00	TRP	14	FINISH SHORT TRIP OUT AND GO BACK TO BOTTOM
	20:00 - 21:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AFTER SHORT TRIP - HOLE IN GOOD SHAPE - GAS FROM 634 = 2218 UNITS WITH NO OTHER GAS
	21:00 - 22:00	1.00	SUR	1	DROP SURVEY - PUMP TRIP SLUG AND BLOW DOWN KELLY
	22:00 - 06:00	8.00	TRP	2	TRIP OUT FOR LOGS - HOLE OK - USED PIPE SPINNERS ON WAY OUT - STRAPED PIPE ON WAY OUT
2/4/2007	06:00 - 08:30	2.50	TRP	2	FINISH TRIP OUT WITH SPINERS AND SLM - DAYLIGHTS SHORT 1 CREW MEMBER
	08:30 - 14:00	5.50	LOG	1	RIG UP LOGGERS - LOG HOLE - RIG DOWN LOGGERS

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/4/2007	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION BOP 'S AS PER BLM REQUIRMENTS
	15:00 - 16:00	1.00	WOT	2	WAIT ON BOB L. TO FINISH READING LOGS TO SEE IF WE DRILL DEEPER OR ARE TD. CALLED AND WE ARE GOING DEEPER - CALLED BLM TO LET THEM KNOW AS WE ARE OVER 30 DAY TEST - CLIFF SAID TO DRILL IT UP AND WE WILL TEST ON NEXT STACK
	16:00 - 18:00	2.00	TRP	1	HANDLE BHA - LD MUD MOTOR - PICK UP SAME AND SHOCK - BIT TO DRILL MORE HOLE
	18:00 - 19:30	1.50	TRP	2	TRIP BHA IN TO HOLE
	19:30 - 20:30	1.00	RIG	2	AIR TANK IN GENERATOR BUILDING GOT A CRACK IN TANK - BYPASSED TANK
	20:30 - 21:00	0.50	TRP	2	FINISH TRIPPING BHA IN TO HOLE
	21:00 - 23:00	2.00	TRP	2	BHA TOOK CORRECT FILL BUT WOULD NOT CIRCULATE - JUST PRESSURE UP - TRIED TO SHAKE LOOSE - TRIP BHA OUT WET
	23:00 - 00:00	1.00	TRP	1	BIT NOT PLUUGED - DRAINED MOTOR THRU BIT - CLEANED FLOOR FOR TRIP BACK IN
	00:00 - 05:00	5.00	TRP	2	STAGE IN TO HOLE - CIRCULATE BOTTOMS UP AT 1458' - FILL AT 3315' - FILL AND CIRCULATE BOTTOMS UP AT 5400'
	05:00 - 05:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP TO GET RID OF TRIP SLUG
	05:30 - 06:00	0.50	TRP	2	STAGE - TRIP TO BOTTOM - HOLE DOING VERY GOOD SO FAR
2/5/2007	06:00 - 08:00	2.00	DRL	1	FINISH TRIP TO BOTTOM SLOWLY
	08:00 - 09:00	1.00	REAM	1	WASH AND REAM LAST 110' TO BOTTOM - 15' OF FILL-ALL SOFT - 12 BBLS LOST ON TRIP AND LOGS
	09:00 - 13:00	4.00	DRL	1	DRILL FROM 8504 TO 8540
	13:00 - 14:30	1.50	RIG	2	REPLACE SWAB AND REPAIR POP OFF LINE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 8540 TO 8575
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 8575 TO 8586 - TD
	20:00 - 21:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, CHECK C.O.M. AND FUNCTION HYDRILL
	21:00 - 22:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP - BUILD SMALL TRIP SLUG FOR SHORT TRIP
	22:00 - 01:00	3.00	TRP	14	SHORT TRIP 20 STANDS OUT AND THEN BACK IN - TWO SMALL TIGHT SPOTS FROM 8385 TO 8300 - BENT. SWELLING
	01:00 - 02:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP - BUILD TRIP SLUG FOR TRIP OUT TO RUN CASING
	02:30 - 03:30	1.00	SUR	1	DROP SURVEY - PUMP PILL - BLOW KELLY DOWN
	03:30 - 06:00	2.50	TRP	2	TRIP OUT FOR RUNNING CASING - TIGHT SPOT IN SAME AREA BUT PULLED THRU WITH NO PROBLEMS - TOOL PUSHER LOOKING FOR CRANE TO CHANGE OUT #3 MOTOR TORQUE CONVERTER WHEN CONVIENET - CERT. WELDER COMING TODAY TO REPAIR AIR TANK - WILL CHANGE OUT SWIVEL WHEN TIME ALLOWS
2/6/2007	06:00 - 07:30	1.50	TRP	2	FINISH TRIP OUT TO 8" - PULL CORROSION RING
	07:30 - 08:30	1.00	CSG	1	RIG UP LD CREW AND HOLD SAFETY MEETING
	08:30 - 09:30	1.00	TRP	2	PICK UP 20 STANDS DP AND BHA FROM PIT SIDE AND PUT ON DRILLERS SIDE SO CASING TROUGH WOULD PSS THREW
	09:30 - 12:00	2.50	TRP	1	LD 8" DC AND MUD MOTOR - LD SHOCK SUB AND BIT
	12:00 - 13:00	1.00	BOP	1	LD WEAR RING
	13:00 - 16:00	3.00	CSG	1	RIG UP CASING CREW AND HOLD SAFETY MEETING
	16:00 - 18:00	2.00	CSG	2	RUN CASING IN TO HOLE SLOWLY
	18:00 - 06:00	12.00	CSG	2	RUN CASING IN SLOWLY - CIRCULATING BOTTOMS UP AT 1500'-3000'-4500'-6500' - HAD 25 BBLS LOSS UP TO 3000' BUT DOING GREAT NOW - AT 0530 WE ARE AT 6600 FEET
2/7/2007	06:00 - 10:00	4.00	CSG	2	FINISH STAGING CASING TO BOTTOM - 79 BBLS LOST WHILE RUNNING CASING TO BOTTOM
	10:00 - 11:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP WITH SHAKERS BYPASSED

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/7/2007	11:30 - 15:00	3.50	CIRC	1	CIRCULATE THREW CEMENT HEAD SHAKING OUT LCM - RIGGING UP HALLIBURTON AT SAME TIME
	15:00 - 18:00	3.00	CMT	2	HOLD SAFETY MEETING - TEST LINES AND START CEMENTING
	18:00 - 19:00	1.00	CMT	2	FINISH CEMENT JOB - 623 BBLS DISPACEMENT WITH MUD FROM ACRIVE SYSTEM -20 BBLS SUPER FLUSH AT 9.2# - LEAD WAS 675 SACKS - TYPE 3 - 10.5# - 4.14 FT3/SK - 26.29 GAL/SK - MIDDLE SLURRY = 395 SKS - TYPE G - TOP TO 5800' - 12.5# - 2.03 FT3/SK - 10.99 GAL/SK - TAIL = 400 SKS - 50/50 POZ - 14.35# - 1.25 FT3/SK - 5.5 GAL/SK - PRESSURES GOOD - 3800 PSI BUMPED PLUG TO 4400 PSI - HELD FOR 5 MIN. - FLOAT HELD - DISPLACEMENT 623.28 - BUMPED 5 BBLS EARLY - TUBS WHERE FILL FULL AND SUCKED LOW
	19:00 - 21:00	2.00	CMT	1	RIG DOWN CEMENTERS
	21:00 - 02:00	5.00	BOP	1	NIPPLE DOWN BOP FOR PREPARATION OF SETTING SLIPS
	02:00 - 06:00	4.00	RIG	2	WORK ON RIG - TORQUE CONVERTER - CLUTCHES - TAKE APART AS CRANE AND MECHANIC TO BE HERE IN MORNING FOR REPAIRS AND REPLACEMENT
2/8/2007	06:00 - 07:00	1.00	RIG	2	INSTALL #3 TORQUE CONVERTER
	07:00 - 10:00	3.00	CSG	1	RIG UP CSG CREW & PICK UP 1 JT. OF CSG
	10:00 - 14:00	4.00	CSG	7	NIPPLE DOWN BOP & SET SLIPS AT 350K
	14:00 - 18:00	4.00	BOP	1	NIPPLE DOWN & SET OUT 13 5/8" STACK
	18:00 - 23:00	5.00	BOP	1	INSTALL "B" SECTION, PACK OFF P-SEAL TO 6500# & TEST VOID TO 4300#
	23:00 - 06:00	7.00	BOP	1	NIPPLE UP 11" 10M BOP
2/9/2007	06:00 - 18:00	12.00	BOP	1	NIPPLE UP 11" 10M BOP (HAD SEVERAL STUDS ON THE DOUBLE GATE THAT NEEDED TO BE DRESSED, WILL REPLACE STUDS WHEN BOP IS NIPPLED DOWN)
	18:00 - 06:00	12.00	BOP	2	PRESSURE TEST TOP DRIVE VALVES & TIW VALVE (2 UPPER & LOWER VALVES ON TOP DRIVE WOULD NOT TEST, 3RD VALVE TESTED TO 5000# HI, 250# LOW. TIW VALVE WOULD NOT TEST, KNIGHT OIL TOOL IS LOOKING FOR ANOTHER ONE.) BLM IS WITNESSING TEST.
2/10/2007	06:00 - 15:00	9.00	BOP	2	PRESSURE TEST BOP (TESTED PIPE RAMS, BLIND RAMS, KILL LINE & CHOKE MANIFOLD TO 5000#, ANNULAR- 3500#, SUPER CHOKE- 1000# & CSG TO 1500#. PERFORMED ACCUMALATOR FUNCTION TEST- OK, NEED TO RECHARGE ONE LOW BOTTLE
	15:00 - 16:00	1.00	BOP	1	INSTALL WEAR BUSHING
	16:00 - 18:00	2.00	BOP	1	TIGHTEN UP FLOWLINE, HOOK UP TURN BUCKLES & CENTER STACK
	18:00 - 19:00	1.00	OTH		INSTALL CELLAR RING & PICK UP TOOLS
	19:00 - 21:00	2.00	TRP	1	MAKE UP BIT, DOG SUB, MUD MTR, IBS, NON MAG DC & MOVE ONE ROW OF DP FROM LEFT SIDE TO RIGHT SIDE
	21:00 - 03:30	6.50	ISP	1	INSPECT BHA TRIPPING IN (ALL OK)
	03:30 - 04:00	0.50	TRP	2	TRIP IN 11 STDS OF DP
	04:00 - 06:00	2.00	RIG	2	CHANGE OUT SWIVEL
2/11/2007	06:00 - 14:30	8.50	RIG	2	CHANGE OUT SWIVEL, HAD TO BREAK OUT DOUBLE PIN IN NEW SWIVEL, CHANGE HAMMER UNION, PUT IN NEW SWIVEL PACKING & REMOVE BUMPER PAD FOR BAILS BEFORE IT COULD BE MADE UP TO TOP DRIVE.
	14:30 - 17:00	2.50	RIG	2	REPLACE IBOP VALVE, SAVER SUB & GRABBER DIES ON TOP DRIVE.
	17:00 - 18:00	1.00	CIRC	1	MAKE UP KELLY HOSE & BREAK CIRC.
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR
	19:00 - 22:30	3.50	TRP	2	TRIP IN, FUNCTION COM, BREAK CIRC. @ 5,329', INSTALL ROT. HEAD, BREAK CIRC. @ 7,870'
	22:30 - 03:30	5.00	DRL	4	DRILL SHOE TRACK, TAGGED CEMENT @ 8,497' (PERIODIC EXCESSIVE TORQUE DUE TO SQUARE MOTOR & GOT TEMORARILY STUCK WHEN A PIECE OF THE PLUG OR CEMENT GOT WEDGED ALONG SIDE OF MOTOR)
	03:30 - 04:00	0.50	DRL	1	DRILL F/ 8,586'-8,596', WOB- 8-12K, RPM- 145 COMBINED, GPM- 416, MW- 9.25,

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/11/2007	03:30 - 04:00	0.50	DRL	1	VIS- 38
	04:00 - 05:00	1.00	EQT	2	CIRC & PERFORM FIT TO 13.5 EQUIVILENT
	05:00 - 06:00	1.00	DRL	1	DRILL F/ 8,596'-8,606', DRLG WITH SAME PARAMETERS, MW & VIS
2/12/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 8,606'-8,714', WOB- 8-14K, RPM- 145 COMBINED, GPM- 416, MW- 9.25, VIS- 40, BG GAS- 100u, CONN GAS- 650u. DRLG WITH NO LOSSES, RAISING MW TO 9.3-9.4
	12:00 - 13:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	13:00 - 18:30	5.50	DRL	1	DRILL F/ 8,714'-8,778', DRLG WITH SAME PARAMETERS, MW- 9.3, VIS- 40, STARTED PUMPING BIT BALLING SWEEPS TO IMPROVE DRLG, BG GAS- 150u.
	18:30 - 20:00	1.50	RIG	2	KNOCK KELLY HOSE OFF & TIGHTEN HAMMER UNION
	20:00 - 06:00	10.00	DRL	1	DRILL F/ 8,778'-8,878', WOB- 8-18K, RPM- 165 COMBINED, GPM- 490, VIS- 43, MW- 9.3, BG GAS- 35u, CONN GAS- 2,600u, PUMPING SWEEPS FOR BIT BALLING, INCREASING GPM HELPED TO KEEP THE BIT CLEANED , ALSO SEEING STICK SLIPPING WHEN BIT IS CLEANED OFF.
2/13/2007	06:00 - 15:00	9.00	DRL	1	DRILL F/ 8,878'-8,958', WOB- 8-18K (STARTS TO STICK SLIP OVER 18K), RPM- 165 COMBINED, GPM- 490, MW- 9.4, VIS- 43, BG GAS- 100u, MIX TRIP PILL
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR, FILL TRIP TANK
	16:00 - 16:30	0.50	SUR	1	DROP SURVEY
	16:30 - 18:00	1.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #13, FUNCTION COM
	18:00 - 21:00	3.00	TRP	10	TRIP OUT F/ BIT #13
	21:00 - 22:00	1.00	TRP	1	FUNCTION BLIND RAMS, CHANGE BITS & RETRIEVE SURVEY TOOL.
	22:00 - 04:00	6.00	TRP	10	TRIP IN, BREAK CIRC. @ 1,630', 5,485' & 8,400', INSTALL ROT. HEAD
	04:00 - 04:30	0.50	REAM	1	WASH 90' TO BTM, NO FILL
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 8,958'-8,970', WOB- 10-12K, RPM- 165 COMBINED, GPM- 490, MW- 9,55, VIS- 45, BG GAS- 35u, TRIP GAS- 4,750u
2/14/2007	06:00 - 14:30	8.50	DRL	1	DRILL F/ 8,970'-9,092', WOB- 8-15K, RPM- 165 COMBINED, GPM- 490, MW- 9.5, VIS- 46, BIT IS GETTING BALLED UP PUMPING SWEEPS TO HELP IMPROVE ROP. BG GAS- 30u, CONN GAS- 290u. NO LOSSES
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	15:30 - 18:00	2.50	DRL	1	DRILL F/ 9,092'-9,125', DRLG WITH SAME PARAMETERS, MW & VIS, BIT STILL BALLING UP, PUMPING SWEEPS TO IMPROVE ROP.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,092'-9,280', WOB- 10-24K, RPM- 160 COMBINED, GPM- 458, MW- 9.55, VIS- 44, BG GAS- 80u, CONN GAS- 880u, PUMPING SWEEPS F/ BIT BALLING, NO LOSSES
2/15/2007	06:00 - 11:00	5.00	DRL	1	DRILL F/ 9,280'-9,343', WOB- 10-25K, RPM- 160 COMBINED, GPM- 458, MW- 9.5+, VIS- 45, BG GAS- 70u, PUMPING SWEEPS FOR BIT BALLING, NO LOSSES
	11:00 - 12:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	12:00 - 18:00	6.00	DRL	1	DRILL F/ 9,343'-9,411', DRLG WITH SAME PARAMETERS MW & VIS, BIT BALLING STOPPED AT 9,355', NO LOSSES
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,411'-9,550', WOB- 18-26K, RPM- 160 COMBINED, GPM- 458, MW- 9.6, VIS- 44, BG GAS- 70u, CONN GAS- 3,630u, NO LOSSES & NO BIT BALLING
2/16/2007	06:00 - 16:00	10.00	DRL	1	DRILL F/ 9,550'-9,634', WOB- 25-28K, RPM- 160 COMBINED, GPM- 458, MW- 9.9, VIS- 47, BG GAS THRU BUSTER- 800u, OFF BUSTER- 6,800u, DRLG WITH 8-10' FLARE RAISING MW. NO LOSSES
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & CHANGE OUT ROT. HEAD RUBBER. NO FLOW WHILE DOING THIS.
	17:00 - 20:30	3.50	DRL	1	DRILL F/ 9,634'-9,657', WOB- 25-32K, RPM- 160 COMBINED, GPM- 458, MW- 10, VIS- 45, BG GAS THRU BUSTER- 1,100u, OFF BUSTER- 4,100u, DRLG WITH 4-6' FLARE, NO LOSSES
	20:30 - 22:00	1.50	CIRC	1	CIRC. & RAISE MW TO 10.2, BG GAS DECLINED TO 450u OFF THE BUSTER. CHECK F/ FLOW, NO FLOW

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/16/2007	22:00 - 22:30	0.50	SUR	1	DROP SURVEY
	22:30 - 23:30	1.00	TRP	10	PUMP PILL & TRIP OUT 12 STD TO CSG SHOE, FUNCTION COM
	23:30 - 00:30	1.00	TRP	10	CHECK FOR FLOW & PULL ROT. HEAD
	00:30 - 06:00	5.50	TRP	10	TRIP OUT F/ BIT #14, FUNCTION BLIND RAMS & BREAK BIT (HOLE FILL 15 BBLS OVER CALCULATED)
2/17/2007	06:00 - 06:30	0.50	TRP	1	PICK UP NEW MUD MOTOR & MAKE UP NEW BIT
	06:30 - 07:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	07:30 - 12:30	5.00	TRP	10	TRIP IN, BREAK CIRC @ 2,268', 5,368' & 8,441'
	12:30 - 14:00	1.50	CIRC	1	CIRCULATE OUT GAS AT CSG SHOE, REPLACE BAD LINE GUIDE ROLLERS
	14:00 - 15:30	1.50	RIG	6	CUT DRLG LINE & RESET COM
	15:30 - 16:30	1.00	RIG	2	REPLACE GRABBER CYLINDER ON TOP DRIVE
	16:30 - 17:30	1.00	TRP	10	TRIP IN SLOWLY
	17:30 - 18:00	0.50	REAM	1	WASH 65' TO BTM, NO FILL
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,657'-9,885', WOB- 8-14K, RPM- 100 COMBINED, ROT. TQ.- 1200 PSI, GPM- 416, MW- 10.2, VIS- 46, BG GAS- 2000u, CONN GAS- 5300u, TRIP GAS- 4600u THRU BUSTER WITH 10-20' FLARE. NO LOSSES WHILE DRLG.
2/18/2007	06:00 - 09:30	3.50	DRL	1	DRILL F/ 9,885'-9,948', WOB- 8-14K, RPM-100 COMBINED, GPM- 416, MW- 10.2, VIS- 46, BG GAS- 600u, CONN GAS- 5,630u, NO LOSSES
	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	10:30 - 18:00	7.50	DRL	1	DRILL F/ 9,848'-10,053', DRLG WITH SAME PARAMETERS, MW- 10.4, VIS- 45, WENT ON BUSTER AT 9,852', BG GAS- 4,850u, ON BUSTER 2,250u WITH 2-10' FLARE, CONTINUE TO RAISE MW, NO LOSSES.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 10,053'-10,152', WOB- 14-18K, RPM- 110 COMBINED, GPM- 458, MW- 10.7, VIS- 45, BG GAS- 1400u, CONN GAS- 5830u, WENT OFF BUSTER AT 10,070', HOLE STARTED SEEPING 2 BBLS /HR AT 10,075', PUMPING 10 BBL SWEEPS WITH 16% LCM HOURLY & MIXING MICA, WALNUT HULLS & PHENOSEAL 1/2 HR PER SACK F/ LOSSES.
2/19/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 10,152'-10,157', WOB- 20K, RPM- 110 COMBINED, GPM- 458, MW- 10.7, VIS- 45, BG GAS- 1400u, LOSING 2 BBLS/HR
	07:00 - 08:00	1.00	CIRC	1	CIRC. BTMS UP & MIX PILL
	08:00 - 08:30	0.50	SUR	1	DROP SURVEY & CHECK FOR FLOW- OK
	08:30 - 14:00	5.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #15, FUNCTION COM, HOLE FILL 14 BBLS OVER CALCULATED
	14:00 - 14:30	0.50	TRP	10	FUNCTION BLIND RAMS, RETRIEVE SURVEY TOOL & CHANGE BITS
	14:30 - 19:00	4.50	TRP	10	TRIP IN SLOWLY, BREAK CIRC. AT 2,015' & 4,929'
	19:00 - 20:30	1.50	CIRC	1	INSTALL ROT. HEAD & CIRC. OUT GAS AT CSG SHOE
	20:30 - 21:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, TAKE HALF LINK OUT OF INPUT CHAIN
	21:30 - 22:30	1.00	TRP	10	TRIP IN SLOWLY
	22:30 - 23:00	0.50	REAM	1	WASH 50' TO BTM, NO FILL
	23:00 - 06:00	7.00	DRL	1	DRILL F/ 10,157'-10,285', WOB- 8-16K, RPM- 100 COMBINED, GPM- 416, MW- 10.75, VIS- 45, DRLG THRU BUSTER WITH 3-5' FLARE, BG GAS- 2500u, CONN GAS- 5650u, TRIP GAS- 5800u WITH 15' FLARE, SEEPING 1-2 BBLS/ HR, PUMPING 10 BBL 16% LCM SWEEPS HOURLY
2/20/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 10,285'-10,326', WOB- 8-16K, RPM- 100 COMBINED, GPM- 416, MW- 10.8, VIS- 44, DRLG THRU BUSTER WITH 2-5' FLARE, BG GAS- 1470u, SEEPING- 2 BBLS, PUMPING PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY CONTINUE RAISING MW
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS, HCR & COM, BLEW OUT CHOKE LINE WITH AIR.
	10:00 - 21:00	11.00	DRL	1	DRILL F/ 10,326'-10,397', WOB- 8-20K, RPM 100-110 COMBINED, GPM- 416-458, MW- 11.25, VIS- 44, DRLG THRU BUSTER WITH 2-4' FLARE, BG GAS- 1400u, CONN GAS- 1750u WITH 8' FLARE, BIT SLOWED UP AT 10,365'. AT FIRST THOUGHT BIT WAS BALLING UP, PUMPED TWO SWEEPS WITH NO RESULTS.

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	10:00 - 21:00	11.00	DRL	1	SAMPLES SHOWED HARD SHALE WITH QUARTZ. CONTINUE TO RAISE MW WHILE DRLG WITH SLOW ROP.
	21:00 - 01:00	4.00	CIRC	1	CIRC. & RAISE MW FROM 11.25-11.4 & MIX TRIP SLUG
	01:00 - 01:30	0.50	TRP	10	CHECK FOR FLOW - OK
	01:30 - 06:00	4.50	TRP	10	PUMP PILL, BLOW DOWN STANDPIPE & TRIP OUT FOR BIT #16, PULLED ROT. HEAD AT CSG SHOE, FUNCTIONED COM.
2/21/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT F/ BIT #16, HOLE FILL 15 BBLS OVER CALCULATED
	07:30 - 08:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHANGE OUT MUD MOTORS
	08:30 - 13:30	5.00	TRP	10	MAKE UP NEW BIT & TRIP IN, BREAK CIRC. AT 2,170' & 5,271'
	13:30 - 14:30	1.00	CIRC	1	INSTALL ROT. HEAD & CIRC. BTMS UP AT CSG SHOE, TIGHTENED HAMMER UNION ON SWIVEL
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	15:30 - 16:30	1.00	TRP	10	TRIP IN SLOWLY
	16:30 - 17:00	0.50	REAM	1	WASH 95' TO BTM, 4' OF FILL
	17:00 - 06:00	13.00	DRL	1	DRILL F/ 10,397'- 10,515' , WOB- 8-16K, RPM- 120 COMBINED, GPM- 458, HAD STICK SLIP PROBLEMS WHILE DRLG WITH 48 RPM & 416 GPM, INCREASED RPM TO 60 & GPM TO 458 & THIS STOPPED THE STICK SLIPPING, DRLG THRU GAS BUSTER WITH NO FLARE CURRENTLY, BG GAS- 2690u, CONN GAS- 6250u, TRIP GAS- 8835u WITH 15-30' FLARE, STILL SEEPING 1-2 BBLS HOURLY, PUMPING 10 BBL SWEEPS WITH 15% LCM FOR LOSSES. CONTINUE TO RAISE MW.
2/22/2007	06:00 - 09:00	3.00	DRL	1	DRILL FROM 10515 TO 10545 - NO HOLE PROBLEMS
	09:00 - 10:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION ANNULAR - TIGHTEN #2 PUMP BELTS
	10:00 - 18:00	8.00	DRL	1	DRILL FROM 10545 TO 10624
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 10624 TO 10730 - RUNNING ALL SOLIDS CONTROL AND STILL BUILDING VOLUME - MUD WT. = 11.8 AND HOLDING WELL
2/23/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 10730 TO 10797
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS - FUNCTION C.O.M.
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 10797 TO 10827
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 10827 TO 10925 - NO LOSSES - FOUND SEGO WITH GAS - NO MUD WT. CHANGE -
2/24/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 10925 TO 11015
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION UPPER PIPE RAMS
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11015 TO 11043 - LOSING 2 BBLS PER HOUR
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 11043 TO 11042 - BIT SLOWING AND THEN ALMOST STOPPED - HOLE STILL LOSING 2 BBLS PER HOUR OK - SWEEPS WORKING WELL
	20:00 - 22:00	2.00	CIRC	1	CIRCULATE BOTTOMS UP AND CONDITION MUD FOR TRIP OUT
	22:00 - 22:30	0.50	SUR	1	DROP SURVEY - DEPTH = 11015 - 2.4 - 132.1
	22:30 - 23:00	0.50	CIRC	1	FLOW CHECK - OK
	23:00 - 23:30	0.50	CIRC	1	PUMP PILL AND BLOW DOWN STAND PIPE
	23:30 - 04:30	5.00	TRP	10	TRIP OUT FOR BIT - TRIP SHEET WAS 1 BBL OVER
	04:30 - 05:30	1.00	TRP	1	HANDLE BHA - SWAP OUT BIT AND MUD MOTOR
	05:30 - 06:00	0.50	TRP	2	TRIP BHA INTO HOLE
2/25/2007	06:00 - 11:00	5.00	TRP	2	TRIP IN TO HOLE, FILL AT 1300 - 3828 - 6935
	11:00 - 12:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AT SHOE
	12:00 - 13:00	1.00	RIG	6	CUT DRILL LINE
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 20:00	6.00	RIG	2	REPLACE CRACKED KELLY HOUSE AND TEST FOR LEAKS
	20:00 - 21:30	1.50	TRP	2	FINISH TRIP TO BOTTOM SLOWLY AND WASH AND REAM 30' TO BOTTOM
	21:30 - 23:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP - 20' FLARE - 42 BBL GAIN - LOST 17 BBLS ON TRIP - BU UNITS = 7050

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	23:30 - 06:00	6.50	DRL	1	DRILL FROM 11052 TO 11095 - BREAK BIT IN FOR 2 FEET AND THEN BRING DIFF. UP TO 200 - DRILLING FROM 5' TO 11' PER HOUR - 3700 UNITS CONN. - WITH 8' FLARE
2/26/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 11095 TO 11140
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS AND C.O.M.
	12:00 - 15:00	3.00	DRL	1	DRILL FROM 11140 TO 11158
	15:00 - 17:30	2.50	RIG	2	REPLACE TWO WASHED SEATS IN # 2 PUMP
	17:30 - 18:00	0.50	DRL	1	DRILL FROM 11158 TO 11160
	18:00 - 00:00	6.00	DRL	1	DRILL FROM 11160 TO 11199
	00:00 - 01:30	1.50	RIG	2	REPAIR SWABS ON #2 PUMP AND WASH OUT WASHER BOX
	01:30 - 06:00	4.50	DRL	1	DRILL FROM 11199 TO 11245 - RAISING MUD WT. TWO TENTHS - OVER PULL TRYING TO CREEP UP ON CONNECTIONS - - CASTLEGATE CAME IN AT 11098 - P RATE GOT DOWN TO 5.9 BUT AS WE GET DEEPER P RATE IS INCREASING TO 9' ROP -
2/27/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 11245 TO 11298
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11298 TO 11335 - STARTING TO RAISE MUD WT. FOR BLACKHAWK
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11335 TO 11415 - RAISED MUD WT. TO 12.2 - STILL LOSING 2 BBLS PER HOUR - SWEEPING HOLE EVERY HOUR
2/28/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 11415 TO 11445
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 11445 TO 11495
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 11495 TO 11518
	20:00 - 21:00	1.00	RIG	2	REPAIR COMPOUND OILER CHAIN AND CHANGE OUT SLIP DIES
	21:00 - 06:00	9.00	DRL	1	DRILL FROM 11518 TO 11563 - POSSIBLE MUD MOTOR PROBLEMS - PRESSURES UP AFTER TURNING PUMPS OFF - SHAKE MOTOR AND WORK PUMPS TO GET GOING - PREPAIRING FOR TRIP OUT - NEXT MAJOR GAS ZONE VERY CLOSE - WILL HAVE NEW EQUIPMENT ON BOTTOM BEFORE HITTING EXTRA SANDS - BACKGROUND GAS GOOD AND MUD WT. GOOD SO FAR
3/1/2007	06:00 - 07:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT - BUILD AND PUMP PILL
	07:30 - 14:30	7.00	TRP	12	TRIP OUT FOR BIT AND MUD MOTOR - MOTOR LOCKED UP ON #9 STAND COMING OUT - WET TRIP THE REST OF THE WAY - SET CELLAR PUMP TO DISCHARGE TO ACTIVE SYSTEM OVER SHAKERS - MANAGE TRIP VOLUMES THRU TRIP TANK
	14:30 - 15:00	0.50	BOP	1	PULL RT. HEAD AND SET 1ST STAND IN FRONT
	15:00 - 18:00	3.00	TRP	12	TRIP OUT WET
	18:00 - 19:00	1.00	TRP	1	LAY DOWN BIT AND MUD MOTOR - PICK UP SAME - FLOOR VERY DIRTY - WILL TRIP BHA AND 5 STANDS IN - INSTALL RT. HEAD - FILL AND CLEAN FLOOR FOR TRIP IN - BOTTOM BEARING FAILURE ON MOTOR
	19:00 - 20:30	1.50	TRP	2	TRIP BHA AND 5 STANDS IN - FILL AND CIRCULATE 5 MINUTES -
	20:30 - 21:30	1.00	BOP	1	INSTALL RT HEAD - CLEAN MAIN FLOOR AREA FOR TRIP IN
	21:30 - 01:30	4.00	TRP	2	TRIP IN TO HOLE WITH TRIP SPEED OF 85 - FLOW % TO 20 OR LESS - FILL PIPE AT 2736 - 4333 - 6406 - 8596
	01:30 - 02:00	0.50	BOP	1	PULL OLD RT. HEAD AND INSTALL NEW HEAD
	02:00 - 03:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AT SHOE - 7000 STROKES - 3454 UNITS
	03:00 - 05:00	2.00	TRP	2	TRIP TO 120 FROM BOTTOM - HOLE SMOOTH - WILL SAFETY WASH AND REAM LAST STAND AND A HALF TO BOTTOM
	05:00 - 06:00	1.00	CIRC	1	WILL CIRCULATE BOTTOMS UP BEFORE DRILLING - WANT GOOD 12.3 MUD ALL THE WAY AROUND BEFORE DRILLING IN TO NEXT GAS SECTION - 27 BBLS LOST ON WET TRIP
3/2/2007	06:00 - 07:00	1.00	CIRC	1	FINISH BOTTOMS UP

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/2/2007	07:00 - 18:00	11.00	DRL	1	DRILL FROM 11563 TO 11694
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11694 TO 11780 - GOOD LOWER SANDS IN BLACKHAWK - STILL HOLDING 12.4 - NO SEEPING IN LAST 14 HOURS - SEEKING OUT THE MANCOS
3/3/2007	06:00 - 07:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION UPPER PIPE RAMS
	07:00 - 18:00	11.00	DRL	1	DRILL FROM 11870 TO 11900 - HAD A COUPLE VERY SLOW SPOTS - HIGH TORGUE - BUT PATIENTS PAYED OFF AND DRILLING AHEAD SMOOTHLY
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11900 TO 12012 - NOW IN MANCOS SHALE - BACKGROUND STAYING UP - WILL LEAVE FOR A WHILE THEN WT. UP - TD NOW IN SIGHT
3/4/2007	06:00 - 07:30	1.50	DRL	1	DRILL FRO 12012 TO 12038 - HOLE VERY STABLE SO FAR
	07:30 - 08:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	08:30 - 18:00	9.50	DRL	1	DRILL FROM 12038 TO 12154 - DRILLED IN TO FRACTURE AT 12092 - STALLED TOP DRIVE - PICKED UP AND PUT ON BOTTOM - HIGH TORQUE AGAIN - PICKED UP AND GOT HUNG UP - STILL FULL RETURNS AND NO PUMP PRESSURE INCREASE- HUNG UP ON BHA SOMEWHERE - WORKED FREE AND WENT BACK TO DRILLING - WATCHED RETURNS AND BOTTOMS UP - NO LARGE CUTTINGS OR FRACTURE PIECES
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12154 TO 12275 - RAISING MUD WT. A TENTH AT A TIME - HOLDING GOOD - BACKGROUNG COMING DOWN - WILL BE - HOPE TO BE READY FOR MANCOS B AT AROUND 12320 PLUS OR MINUS WITH 12.8 TO 12.8+ MUD WT. BG SHOULD BE AROUND 1000 UNITS
3/5/2007	06:00 - 15:00	9.00	DRL	1	DRILL FROM 12275 TO 12374
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE GAS OUT THRU BUSTER - 8 TO 10 FOOT FLARE - LOSING MUD AT 20 BBLS PER HOUR
	15:30 - 16:30	1.00	DRL	1	DRILL FROM 12374 TO 13387 - SWEEPS NOT HELPING - BYPASS SHAKERS AND START BUILDING LCM % UP TO 5%
	16:30 - 18:00	1.50	CIRC	1	CIRCULATE MORE GAS OUT - 5% LCM ALL AROUND - RETURNS ARE GOOD - LOSING 3-4 BBLS PER HOUR AND GETTING BETTER
	18:00 - 20:30	2.50	DRL	1	DRILL FROM 12387 TO 12400 = LINER TD - RUSSEL AND BOB L. WERE CALLED FOR DOUBLE CHECK OF GAS - SANDS - AND AMOUNT OF SHALE FOR SHOE - MANCOS B = 12302 - BASE OFMANCOSB = 12362 = 37' OF SHALE FOR GOOD SHOE - 12302-12304 = 2100 UNITS - 12357 TO 12372 = 5200 UNITS - 4' TO 8' FLARE(22 BBL GAIN
	20:30 - 00:00	3.50	CIRC	6	CIRULATE HOLE CLEAN - BUILD VOLUME - LOSSES SO FAR = 175 BBLS - HOLE NOW HOLDING WITH 12.9 WT. AND 6% LCM - HALLIBURTON WIRELINE PUT ON NOTICE
	00:00 - 03:00	3.00	TRP	14	SHORT TRIP TO SHOE = 41 STANDS - TWO TIGHT SPOTS - 12357 - AND 11931 - PULL THRU AND THEN DOWN - OK - 1 BBL SHORT ON TRIP SHEET
	03:00 - 06:00	3.00	TRP	14	TRIP BACK IN TO HOLE VERY VERY SLOWLY - TRIP SPEED = 70 - FULL RETURNS - FILL AND CIRCULATE 5 MINUTES EVERY 10 STANDS - LOSSES ON SHORT TRIP = 2 BBLS
3/6/2007	06:00 - 11:00	5.00	CIRC	1	CIRCULATE AND CONDITION MUD FROM SHORT TRIP - CIRCULATE OUT GAS - FLARE = 10'
	11:00 - 11:30	0.50	DRL	1	WAS TOLD TO GO BACK DRILLING - DRILLED FROM 12400 TO 12403 THEN TOLD TO STOP
	11:30 - 13:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP FROM 3' OF DRILLING
	13:00 - 13:30	0.50	SUR	1	DROP SURVEY
	13:30 - 14:30	1.00	CIRC	1	SPOT WEIGHTED SLUG ON BOTTOM COVERING 1000 FEET = 70 BBLS 1 POUND OVER
	14:30 - 18:00	3.50	TRP	2	TRIP OUT - STRAP OUT - NO ROTATING UNTIL CASING - TIGHT SPOTS AT 11385 AND 11189 - PULL THRU AND THEN DOWN - SEEN NOTHING AFTER GOING BACK DOWN OR UP ON SECOND TIME
	18:00 - 21:30	3.50	TRP	2	TRIP OUT FOR LOGS

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release:
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/6/2007	21:30 - 22:00	0.50	BOP	1	PULL RT. HEAD
	22:00 - 23:30	1.50	TRP	2	FINISH TRIP OUT - TRIP CALCULATED = 114.85 - ACTUAL = 121.9
	23:30 - 00:00	0.50	TRP	1	LAYDOWN MUD MOTOR AND BIT
	00:00 - 06:00	6.00	LOG	1	RUN OPEN HOLE LOGS - DRILLERS DEPTH = 12403 - LOGGERS DEPTH = 12407 - STRAP OUT WAS 12411 - LOGGERS ABLE TO REACH BOTTOM BOTH TIMES WITH NO PROBLEMS

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Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

43-047-34956

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/14/2006	06:00 - 18:00	12.00	DRL	1	DRILL FROM 40' TO 560' - 17.5 HOLE FOR 13 3/8 PIPE
	18:00 - 19:00	1.00	CSG	2	RUN CASING TO BOTTOM
	19:00 - 22:00	3.00	CMT	2	CEMENT CASING, BUMP PLUG, FLOAT HELD, 52 BBLS CEMENT TO SURFACE
	22:00 - 23:00	1.00	LOC	4	RIG DOWN AND MOVE OFF OF LOCATION
12/16/2006	06:00 - 18:00	12.00	LOC	4	RIG DOWN - READY RIG TO LAY DERRICK OVER
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/17/2006	06:00 - 18:00	12.00	LOC	4	RIG DOWN FOR MOVE, INSTALL WELL HEAD AND BRACES, LOWER AND MOVE 3 BAR HOPPERS, MOVE SUCTION TANK ALONG WITH FUEL TANKS, MOVED AND SET SHACKS
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/18/2006	06:00 - 18:00	12.00	LOC	4	LOWER DERRICK TO GROUND AND DISASEMBLE FOR TRUCKS, LOWER DRAWWORKS AND MOTOR SHEDS TO GROUND AND HAUL TO NEW LOCATION. HAULED 28 LOADS - MORE SNOW ON OLD LOCATION - ALL TRUCKS USING CHAINS - MATS AND BOTTOMS SUBS WILL BE FIRST LOAD TO SHOW UP IN MORNING AND SET
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/19/2006	06:00 - 16:30	10.50	LOC	4	CLEAN SNOW FROM LOCATION, SET MATS AND SUBS, SET IN STACK AND ALL SUB BRACES, LEVEL AND SQUARE UP, UNLOADED TRUCKS, OLD LOCATION EMPTY EXCEPT TWO TRASH BINS WHICH WILL BE HAULED TO TOWN IN MORNING. 20% RIGGED UP - 100% HAULED IN
	16:30 - 17:30	1.00	RIG	7	SHUT RIG MOVE DOWN AND HELD SAFETY MEETING WITH CRANE -RIG - TRUCK PEOPLE. WHEN MEETING WAS DONE I ASKED IF ANYBODY WAS PUSHING THEM TO HURRY OR IF THEY FELT PUSHED - ALL SAID THERE WAS NO HURRYING GOING ON - BUT WHY DID ACCIDENT OCCUR? LOOKS LIKE NO COMUNICATION WHAT SO EVER BETWEEN THE TWO
	17:30 - 18:00	0.50	LOC	4	RIG UP RACKING BOARD AND RT. TABLE, DRAWWORKS REPAIRS = 40% DONE - TOOL PUSHER THAT IS HERE HAS NEVER MOVED THIS RIG BEFORE - HE IS FILLING IN AS MAIN T.P. HAD SURGERY ON FOOT AND RELIEF IS ON DAYS OFF. - THE MOVE WILL BE SLOWER.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/20/2006	06:00 - 07:00	1.00	RIG	7	SAFETY STAND DOWN MEETING
	07:00 - 18:00	11.00	LOC	4	PUT DERRICK TOGETHER AND SET ON FLOOR ALONG WITH DRAW WORKS, SET IN PUMPS AND MUD TANKS, SET FUEL TANKS - LIGHT PLANT AND HOPPER BUILDING, MEETING PAID OFF WITH A NEAR MISS. TRUCK DRIVER WAS CHECKING LOAD HITCHES ON 400 BBL UPRIGHT WATER TANKS AND FOUND LOAD HITCH WAS CRACKED. WELDER WILL FIX IN MORNING.
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/21/2006	06:00 - 18:00	12.00	LOC	4	SET IN ALL BAR HOPPER EQUIPMENT, SET IN GAS BUSTER AND LINES EXCEPT FLARES WHICH WE PLAN ON FINISHING WHILE TESTING STACK. INSTALLED KILL LINE AND CHOKE LINE VALVES ECT. TRUCKS - CRANE - TRENCHER ALL RELEASED EARY AFTERNOON. FINISHED INSTALLING EXHAUST ON MOTOR SHEDS. STRING UP CREW COMING AT 10:00. ELECTRICAN COMING AT 09:00 TO REPAIR ELECTICAL PROBLEM (GENERATOR AND DOG HOUSE CORD ASSEMBLY. 3 CREW WILL BE SHOWING UP ON THURSDAY - NEW TOOL PUSHER IS SLOWER BUT HE DOES WORK CORRECT THE FIRST TIME - HE WILL SPLIT CREWS INTO GROUPS OF 2 AND 3, HAS LIST FOR EACH GROUP - SHOULD WORK WELL
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/22/2006	06:00 - 18:00	12.00	LOC	4	DERRICK 90% READY TO RAISE, BOILER AND STEAM LINES READY FOR WATER, GENERATOR PANEL REPAIRED(BREAKER WIRES AND FUSE HOLDERS LOOSE, BAD BREAKER) COMPOUND AND INPUT CHAINS ON ALONG WITH COVERS, SOLIDS CONTROL EQUIPMENT 65% RIGGED UP, LIGHTS 40% RIGGED UP, PUMP LINES ON ONE CHANGED FROM 5" TO 6 ",

Printed: 4/5/2007 8:40:35 AM

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/22/2006	06:00 - 18:00	12.00	LOC	4	RIG GENERATOR FINALLY RUNNING AT 1730, HOPE TO BREAK TOUR ON FRIDAY, BOP TESTERS AND BLM NOTIFIED FOR HOPEFULL TESTING ON SATURDAY(BLM - MESSAGE LEFT AT OFFICE AND CELL PHONE - NO RETURN PHONE CALL YET)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/23/2006	06:00 - 18:00	12.00	LOC	4	HOOK DRILL LINE TO DRUM, GET DRILLERS COUNSEL WORKING - FROZEN AIR LINES, THAW AIR LINE TO FLOOR MOTORS AND START, GET WATER CIRCULATING ALONG WITH BOILER RUNNING, PUT TARPS UP ON SUBS, MAIN BOP STACK TORQUES UP, MAIN DIESEL TANK HOT OILED TO THAW OUT-SUCK OUT AND REPLACE WITH NEW DIESEL(WESTERN PET. HAND ON LOCATION), ELECTRICIANS 80% DONE - # 1PUMP COMPLETED - #2 PUMP 50 % DONE, I WASH PLATE LEFT TO CUT OUT WITH WELDER, SECOND TOOL PUSHER COMING TODAY TO HELP ON RIG UP AND HOPEFULLY ON SPUD - ONE DRILLER QUIT AFTER INCIDENT - THE OTHER WENT QUIT AND WENT PUSHING FOR PIONEER DRILLING- ONE WE WILL MISS-THE OTHER WILL NOT NOTOICE GONE
	18:00 - 06:00	12.00	LOC	1	WAIT ON DAYLIGHTS
12/24/2006	06:00 - 18:00	12.00	LOC	4	RIG STEAM LINES IN SUB ECT. RAISE DERRICK - 50% UNBRIDALED, ELECTRICIAN FINISHED, WELDER FINISHED, INSTALLED FLOOR PLATES, RT. CHANIN AND GUARD, #2 PUMP FINISHED EXCEPT FOR 1 SWAB, INSTALLED NEW SPERE, STARTED CIRCULATING THRU HYDROMATIC AND TEE VALVE ASSEMBLY CAME APART - WILL RESUME REPAIRS ON SUNDAY, NO WORKING STEAM HEATERS IN PUMP ROOM - WILL BE ONE DRILLER SHORT SUNDAY AND MONDAY - IF THEY BREAK TOUR ON MONDAY A TOOLPUSHER WILL HAVE TO BE A DRILLER, ONE DRILLER QUIT OR LETS SAY RETIRED AND ONE DRILLER WENT PUSHING FOR PIONEER DRILLING, WE WILL HAVE TO DRILLERS STARTING TUESDAY'S HITCH - ONE DRILLER FROM ANOTHER ENSIGN RIG BUT HAS NOT RUN A TOP DRIVE. WE HAVE ALOT TO DO BE FORE DRILLING - HOLIDAYS ARE GIVING ME GRIEF ON TRUCKING - CEMENT - PARTS ECT. TRYING TO FINISH RIG UP BUT KEEP RUNNING INTO MORE REPAIRS ALONG THE WAY
12/25/2006	06:00 - 18:00	12.00	LOC	4	RIG UP TONGS ON FLOOR, START RIGGING UP TOP DRIVE- 75% RIGGED ON TOP DRIVE, HANDS WORKING TEE VALVE ASSEMBLY, PUMP REMOTES, ROD WASHERS FROZEN FROM RIG MOVE(NOT DRAINED PROPERLY FOR RIG MOVE) HOPE WE BREAK TOUR ON MONDAY, HAVE ASKED TO GET RIGGED UP COMPLETELY BEFORE GETTING STEAM - WATER ECT. GOING BUT SAYS HE NEEDS STEAM TO HELP HIS RIG UP IN COLD WEATHER, STILL SHORT A DRILLER PLUS DAYLIGHTS SHORT 1 PERSON
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAYLIGHTS
12/26/2006	06:00 - 18:00	12.00	LOC	4	FINISHED RIGGING UP TOP DRIVE - TORQUED ALL CONNECTIONS - PUT BALES ON - SET DRILL PIPE TORQUE, INSTALLED NEW COMPLTE COVER ON 27 CORD AND HYD. HOSES ON TOP DRIVE, FINISHED REPAIRS ON TEE VALVE ASSEMBLY FOR HYDROMATIC AND BRAKE WATER, MUD LINES INSTALLED FROM PUMPS TO KELLY HOSE, KELLY HOSE NOT INSTALLED AS OF YET, MUD TANK GATES CLEANED AND SEALED AND READY FOR WATER, STILL SOME RIGGING UP ON TANKS, SOLIDS CONTROL EQUIPMENT 85% DONE, BAR HOPPERS AND PREMIX TANK 90% COMPLETE FOR OPERATION. PUMP BELT GUARDS INSTALLED - ONE CREW MEMBER SHORT ON DAYLIGHTS, NEW DRILLER CAME AND HELPED TODAY
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHTS
12/27/2006	06:00 - 18:00	12.00	LOC	4	HOOK UP KILL - CHOKE LINES - FLOW LINE TO RT - INSTALL BOTH MOUSE HOLES, HOOK KELLY HOSE TO SWIVEL, GET WET SYSTEM WORKING ON PREMIX, REPAIR LEAK ON HYDRULIC HOSE AND WELDER REPAIR BRACKET

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/27/2006	06:00 - 18:00	12.00	LOC	4	ON TOP DRIVE - BREAKING TOUR
	18:00 - 20:00	2.00	LOC	4	REPAIR MUD TANK LEAKS - HOOK UP FLOW LINE TO RT. HEAD
	20:00 - 06:00	10.00	BOP	2	START TESTING BOP'S - 5000 PSI TEST - 3500 PSI ON BAG, WHEN DONE TESTING ENSIGN NEEDS TO FINISH GROUNDING EQUIPMENT - GET PIT PUMP CIRCULATING - PRESSURE TEST MUD LINES - THAW REST OF THERE EQUIPMENT OUT - REPLACE BURNED OUT MOTOR ON #2 PUMP ROD WASHER - WHEN READY TO PICK UP BHA - DRILL - WILL BACK UP RIG TIME - STONEY WITH BLM CALLED THIS MORNING - WAS ON HOLIDAY VACATION - DID VERBAL REPORT ON BOP TEST - GOOD TO GO
12/28/2006	06:00 - 08:30	2.50	BOP	2	FINISH TEST ON BOP'S - TEST CASING TO 1500 PSI - OK
	08:30 - 09:00	0.50	BOP	1	INSTALL WEAR BUSHING
	09:00 - 14:00	5.00	WOT	4	T.P. AND DRILLER INSTALLED WEAR BUSHING IMPROPERY - EGGED BUSHING WAIT ON NEW ONE FROM CAMERON, ENSIGN PAYING FOR REPLACEMENT BUSHING AND TIME, WHILE WATING FOR BUSHING THEY CONTINUED RIGGING UP AND FIXING, GOT YELLOW DOG RUNNING, THAWED FROZEN FLOW LINE Y AT SHAKER POSSUM BELLY, THAW FROZEN MUD ON SHAKER BELLY - SCREENS NOT PULLED AND WASHED UNDERNEATH BEFORE RIG MOVE, REPLACEED VALVES ON GUN LINE,
	14:00 - 18:00	4.00	WOT	4	ELECTRICIANCAME OUT WITH NEW MOTOR FOR #2 ROD WASHER PUMP - SAFETY PINS ON GAS BUSTER STAIRS AND MAKE READY AGAIN FOR PICKING UP BHA
	18:00 - 21:00	3.00	TRP	1	PICK UP BIT - MM AND BHA TO TOP OF FLOAT COLLAR
	21:00 - 21:30	0.50	DRL	4	DRILL FLOAT COLLAR - OUT OF AIR - CLUTCHES SMOKING
	21:30 - 04:00	6.50	RIG	2	REPAIR AIR LINES BETWEEN MOTORS - WHEN RIGGED UP AIR LINES FOR FLOOR MOTORS(BETWEEN EACH UNIT) WERE ONLY HAND TIGHT - ONE WAS CUT AND HAD TO REPAIR - AIR NOW STAYING AT 120 PSI WITH PUMPS RUNNING
	04:00 - 05:00	1.00	DRL	4	DRILL CEMENT IN SHOE JOINT AND FLOAT SHOE PLUS 10 EXTRA FEET FPR FIT
	05:00 - 06:00	1.00	EQT	2	FIT - DEPTH = 535', FOR 10.5 EQUIVELANT - 64 PSI SURFACE - OK - NEW DRILLER COMING ON - NO TOP DRIVE EXPERIANCE - WILL BE INSTALLING RT. HEAD - AND ADJUST BRAKES SO THEY ARE EVEN SO AUTO DRILLER WORKS - WILL BACK TIME UP 12 HOURS AT END OF HOLE FOR WHAT THEY DID ACCOMPLISH LAST NIGHT - T.P. OK WITH THAT AND WILL PASS ON TO SUPT.
12/29/2006	06:00 - 07:00	1.00	DRL	1	DRILL FROM 525 TO 589 - REAM EACH CONNECTION - ONCE KELLY DOWN CIRCULATE FOR 5 MIN.
	07:00 - 07:30	0.50	RIG	2	ADJUST BRAKES SO AUTO DRILLER WOULD CORRECTLY
	07:30 - 08:00	0.50	BOP	1	INSTALL RT. HEAD
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, FUNCTION HYDRILL AND C.O.M.
	09:00 - 11:00	2.00	DRL	1	DRILL FROM 589 TO 670 - REAM CONNECTIONS - CIRCULATE FOR 5 MIN. WHEN KELLY DOWN
	11:00 - 12:00	1.00	RIG	2	WORK ON TOP DRIVE - RPM AND TORQUE FOR PASON SCREEN
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 670 TO 895 - REAM EACH CONNECTION
	18:00 - 04:30	10.50	DRL	1	DRILL FROM 895 TO 1281 - REAM ALL CONNECTIONS - CIRCULATE 5 MIN. EVERY KELLY DOWN
	04:30 - 05:00	0.50	CIRC	1	CIRCULATE TO SWEEPS AROUND FOR SURVEY
	05:00 - 06:00	1.00	SUR	1	SURVEY - DEPTH = 1224 - .9 - 311.3
12/30/2006	06:00 - 14:00	8.00	DRL	1	DRILL F/ 1281 TO 1654
	14:00 - 14:30	0.50	RIG	2	FIX CROWN O MATIC
	14:30 - 16:30	2.00	DRL	1	DRILLING FROM 1654 TO 1749
	16:30 - 17:30	1.00	RIG	1	RIG SER. TOP DRIVE
	17:30 - 01:00	7.50	DRL	1	DRILLF/1749 TO 2033

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/30/2006	01:00 - 01:30	0.50	SUR	1	SURVEY AT 1960 DEG .6 AZ 163.0
	01:30 - 06:00	4.50	DRL	1	DRILL F/2033 TO 2130
12/31/2006	06:00 - 16:30	10.50	DRL	1	DRILL F/ 2,126'-2,297', WOB- 12-25K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 50u, CONN GAS- 200u
	16:30 - 17:00	0.50	SUR	1	DROP SURVEY
	17:00 - 17:30	0.50	CIRC	1	CIRCULATE & PUMP TRIP SLUG
	17:30 - 18:00	0.50	TRP	10	TRIP OUT F/ BIT #1, RESET COM
	18:00 - 20:00	2.00	TRP	10	TRIP OUT F/ BIT #1
	20:00 - 21:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	21:00 - 22:00	1.00	TRP	10	CHANGE BITS & TRIP IN BHA
	22:00 - 23:00	1.00	RIG	2	RELEVEL DERRICK
	23:00 - 00:30	1.50	TRP	10	TRIP IN, INSTALL CORROSION RING & ROT. HEAD
	00:30 - 01:00	0.50	REAM	1	WASH 75' TO BTM (5' OF FILL)
	01:00 - 06:00	5.00	DRL	1	DRILL F/ 2,297'-2,336', WOB- 8-15K, RPM- 125 COMBINED, GPM- 775, MW- 8.5+, VIS- 28, BG GAS- 25u, CONN GAS- 70u, TRIP GAS- 3870u, NO FLARES
1/1/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 2,336'-2,437', WOB- 18-25K, RPM- 125 COMBINED, GPM- 775, MW- 8.4, VIS- 27, BG GAS- 75u, CONN GAS- 150u
	12:00 - 13:30	1.50	RIG	2	TOP DRIVE GENERATOR DIED,THAW OUT AIR LINE TO AIR STARTER & RESTART MOTOR, FINISH LEVELING DERRICK
	13:30 - 15:00	1.50	DRL	1	DRILL F/ 2,437'-2,470', DRLG WITH SAME PARAMETERS, MW & VIS
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	16:00 - 06:00	14.00	DRL	1	DRILL F/ 2,470'-2,786', WOB- 22-26K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 200u, CONN GAS- 360u, PICKING UP TRACE OF TRONA WATER, BUT NO FLOW ON CONNECTIONS.
1/2/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 2,786'-2,849', WOB- 24-26K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 200u, CONN GAS- 420u, PICKING UP TRACE OF TRONA WATER BUT NO FLOW ON CONNECTIONS.
	09:00 - 10:00	1.00	SUR	1	CIRC & SURVEY @ 2,849', SURVEY DEPTH- 2,769', 1 DEG, 252.1 AZ
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR & COM (CENTER BOP STACK)
	11:00 - 18:00	7.00	DRL	1	DRILL F/ 2,849'-3,034', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 300u, CONN GAS- 700u, NO FLOW ON CONNECTIONS.
	18:00 - 04:00	10.00	DRL	1	DRILL F/ 3,034'-3,346', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.5, VIS- 28, BG GAS- 2,500u, CONN GAS- 4,000u, TRACE OF TRONA WATER, NO FLOW ON CONNECTIONS.
1/3/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 3,380'-3,453', BIT STARTED STICK SLIPPING F/ 3,390'-3,450', COULD ONLY RUN 10-20K,RPM- 125 COMBINED, GPM- 775, MW- 8.5+, VIS- 28, BG GAS- 1,100u, NO FLOW ON CONNECTION.
	09:00 - 10:00	1.00	RIG	2	TOP DRIVE MOTOR DIED, REPLACE FUEL LINE TO MOTOR.
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	11:00 - 18:00	7.00	DRL	1	DRILL F/ 3,453'-3,597', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 1300u, CONN GAS- 5400u, NO FLOW ON CONNECTIONS
	18:00 - 05:30	11.50	DRL	1	DRILL F/ 3,597'-3,847', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 750u, CONN GAS- 3,750u, NO FLOW ON CONNECTIONS.
	05:30 - 06:00	0.50	SUR	1	CIRC & SURVEY @ 3,847', SURVEY DEPTH- 3,767', 1.2 INC, 132.5 AZ
1/4/2007	06:00 - 11:30	5.50	DRL	1	DRILL F/ 3,847'-3,981', WOB- 28-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 1030u, CONN GAS- 7100u, NO FLOW ON CONNECTIONS
	11:30 - 12:30	1.00	RIG	2	REPLACE BAD FAST CAP GASKETS ON BOTH PUMPS
	12:30 - 13:30	1.00	DRL	1	DRILL F/ 3,981'-4,007', DRLG WITH SAME PARAMETERS, MW & VIS
	13:30 - 14:00	0.50	RIG	2	REPLACE BAD FAST CAP PLUG & GASKET ON #1 PUMP
	14:00 - 15:30	1.50	DRL	1	DRILL F/ 4,007'-4,036', DRLG WITH SAME PARAMETERS, MW & VIS
	15:30 - 16:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR VALVE & COM
	16:30 - 18:00	1.50	DRL	1	DRILL F/ 4,036'-4,078', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW

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Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/4/2007	16:30 - 18:00	1.50	DRL	1	ON CONNECTION
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,078'-4,345', WOB- 25-30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 700u, CONN GAS- 3950u, NO FLOW ON CONNECTIONS.
1/5/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 4,345'-4,381', WOB- 30K, RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 700u
	07:00 - 07:30	0.50	SUR	1	CIRC. & SURVEY @ 4,381', SURVEY DEPTH- 4,301', 1.6 INC, 139.4 AZ
	07:30 - 10:00	2.50	DRL	1	DRILL F/ 4,381'-4,443', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW ON CONNECTION
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	11:00 - 14:00	3.00	DRL	1	DRILL F/ 4,443'-4,506', DRLG WITH SAME PARAMETERS, MW & VIS, NO FLOW ON CONNECTION
	14:00 - 14:30	0.50	RIG	2	STRING UP NEW WINCH LINE
	14:30 - 03:30	13.00	DRL	1	DRILL F/ 4,506'-4,678', WOB- 10-30K BIT IS BALLING UP & STICK SLIPPING)RPM- 125 COMBINED, GPM- 775, MW- 8.6, VIS- 28, BG GAS- 250u, CONN GAS- 750u
	03:30 - 04:00	0.50	SUR	1	DROP SURVEY
	04:00 - 06:00	2.00	TRP	10	PUMP PILL & TRIP OUT F/ BIT #2, FUNCTION COM
1/6/2007	06:00 - 08:00	2.00	TRP	10	TRIP OUT F/ BIT #2, FUNCTION COM
	08:00 - 10:00	2.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHANGE OUT MUD MOTORS
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:00 - 14:00	3.00	TRP	10	TRIP IN, BREAK CIRC. @ 2,350'
	14:00 - 14:30	0.50	REAM	1	WASH 40' TO BOTTOM, 5' OF FILL
	14:30 - 18:00	3.50	DRL	1	DRILL F/ 4,678'-4,727', WOB- 6-14K, RPM- 125 COMBINED, GPM- 775, MW- 8.7, VIS- 29, BG GAS- 280u, TRIP GAS- 4300u.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,727'-4,845', WOB- 8-14K (BIT GOES INTO STICK SLIP WHEN WT REACHES 14K), RPM 160 COMBINED (RUNNING 80 SURFACE ROTARY TO REDUCE STICK SLIP) GPM- 790 GPM, MW- 8.7, VIS- 30, BG GAS- 125u, CONN GAS- 400u
1/7/2007	06:00 - 10:30	4.50	DRL	1	DRILL F/ 4,845'-4,878', WOB- 8-12K DUE TO STICK SLIPPING, RPM- 160 COMBINED, GPM- 790, MW- 8.6+, VIS- 31, BG GAS- 125u
	10:30 - 11:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	11:30 - 12:30	1.00	RIG	2	RELACE SWAB IN #2 PUMP & UNPLUG CHAIN OILER F/ #2 PUMP
	12:30 - 18:00	5.50	DRL	1	DRILL F/ 4,878'-4,917', DRLG WITH SAME PARAMETERS, MW & VIS
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 4,917'-5,070', WOB- 8-14K, RPM- 164 COMBINED (INCREASED SURFACE RPM TO 84 & STICK SLIPPING STOPPED), GPM- 790, MW- 8.6+, VIS- 33, BG GAS- 250u, CONN GAS- 500u
1/8/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 5,070'-5,164', WOB- 8-14K, RPM- 164 COMBINED, GPM- 790, MW- 8.6, VIS- 33, BG GAS- 125u, CONN GAS- 400u.
	12:00 - 13:00	1.00	SUR	1	CIRC. & WIRELINE SURVEY @ 5,164', SURVEY DEPTH- 5,084', 1 DEG, 45.9 AZ
	13:00 - 16:30	3.50	DRL	1	DRILL F/ 5,164'-5,204', DRLG WITH SAME PARAMETERS, STARTED MUD UP @ 5,150', MW- 8.6, VIS- 42, BG GAS- 150u, CONN GAS- 350u
	16:30 - 17:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION UPPER PIPE RAMS & COM
	17:30 - 02:00	8.50	DRL	1	DRILL F/ 5,204'-5,276', WOB- 8-20K, RPM- 164 COMBINED, GPM- 790, MW- 8.7, VIS- 42, BG GAS- 25u, CONN GAS- 500u
	02:00 - 03:00	1.00	CIRC	1	CIRCULATE, MIX & PUMP PILL, FILL TRIP TANK
	03:00 - 06:00	3.00	TRP	10	PUMP PILL, BLOW DOWN STD PIPE & KELLY HOSE & TRIP OUT F/ BIT #3
1/9/2007	06:00 - 08:30	2.50	TRP	10	TRIP OUT, FUNCTION COM (HOLE FILL 4 BBLS OVER CALCULATED)
	08:30 - 09:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT, LAY DOWN MUD MOTOR & SHOCK SUB
	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, CHANGE GRABBER DIES ON TOP DRIVE
	10:30 - 15:00	4.50	TRP	10	PICK UP NEW MOTOR, MAKE UP NEW BIT & TRIP IN SLOWLY, BREAK CIRC AT 950', 2,000' & 4,000' (LOST 150 BBLS TRIPPING IN)
	15:00 - 15:30	0.50	REAM	1	WASH 90' TO BTM, 5' OF FILL
	15:30 - 18:00	2.50	DRL	1	DRILL F/ 5,276'-5,329', WOB- 15-18K, RPM- 140 COMBINED, GPM- 705, MW-

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/9/2007	15:30 - 18:00	2.50	DRL	1	8.85, VIS- 42, BG GAS- 40u, TRIP GAS- 400u
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 5,329'-5,432', WOB- 12-20K (STILL HAVE STICK SLIPPING & BIT BALLING, STICK SLIP NOT AS BAD WITH .13 MOTOR) RPM- 160 COMBINED, GPM- 740, MW- 8.8, VIS- 42, BG GAS- 25, CONN GAS- 40, NO LOSSES
1/10/2007	06:00 - 12:30	6.50	DRL	1	DRILL F/ 5,432'-5,467', WOB- 15-30 (BIT BALLING & STICK SLIPPING), RPM - 140-160 COMBINED, GPM- 700-740, MW- 8.9, VIS- 41, BG GAS- 200u.
	12:30 - 13:00	0.50	REAM	1	BACK REAM TIGHT HOLE F/ 5,450'-5,447'
	13:00 - 14:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	14:00 - 18:00	4.00	DRL	1	DRILL F/ 5,467'-5,495', DRLG WITH SAME PARAMETERS, MW & VIS (INCREASED POTASSIUM CHLORIDE FROM 20 MIN/SX TO 10 MIN/SX TO HELP CONTROL BIT BALLING)
	18:00 - 20:00	2.00	RIG	2	WORK ON BOTH PUMPS, REPLACE SWAB #2 PUMP & TIGHTEN ROD CLAMPS ON #1 PUMP
	20:00 - 00:30	4.50	DRL	1	DRILL F/ 5,495'-5,529', WOB- 20-25K, RPM- 165, GPM- 810 (INCREASED GPM TO HELP REDUCE BIT BALLING & STILL MIXING POTASSIUM CHLORIDE @ 10 MIN/SX) MW- 9, VIS- 40, BG GAS- 50
	00:30 - 01:30	1.00	REAM	1	BACK REAM F/ 5,529'-5,489' (SAMPLES AT SHAKERS ARE BENTONITE & CLAY)
	01:30 - 04:00	2.50	DRL	1	DRILL F/ 5,529'-5,554', DRLG WITH SAME PARAMETERS, MW- 8.9, VIS- 38, BG GAS- 150u, CONN GAS- 400u, NO LOSSES
	04:00 - 06:00	2.00	RIG	2	PUMP REPAIRS, LINER & SWAB IN # 2 PUMP & ROD WASHER ON #1 PUMP
1/11/2007	06:00 - 07:00	1.00	RIG	2	PUMP REPAIRS- REPLACE BAD FAST CAP GASKET & TIGHTEN ROD CLAMPS
	07:00 - 12:30	5.50	DRL	1	DRILL F/ 5,554'-5,579', WOB- 15-30K, RPM- 165 COMBINED, GPM- 810 (BIT BALLING & STICK SLIPPING)CONTINUE MIXING POTASSIUM CHLORIDE TO REDUCE BIT BALLING. MW- 8.9, VIS- 38, BG GAS- 150u
	12:30 - 13:30	1.00	RIG	2	TOP DRIVE MOTOR WENT DOWN- THAW OUT AIR LINE TO TOP DRIVE
	13:30 - 16:00	2.50	DRL	1	DRILL F/ 5,579'-5,592', WOB- 25K, RPM- 160 COMBINED, GPM- 775 (STARTED DRLG SHALE @ 5,580') MW- 9, VIS- 39, BG GAS- 80u, CONN GAS- 150u, NO LOSSES
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	17:00 - 18:00	1.00	DRL	1	DRILL F/ 5,592'-5,600', DRLG WITH SAME PARAMETERS, MW & VIS
	18:00 - 22:00	4.00	DRL	1	DRILL F/ 5,600'-5,655', WOB- 25-28K, RPM 160, GPM- 775, MW- 9, VIS- 38, BG GAS- 80u, CONN GAS- 880u
	22:00 - 23:00	1.00	REAM	1	BACK REAM THRU TIGHT HOLE F/ 5,655'-5,615'
	23:00 - 06:00	7.00	DRL	1	DRILL F/ 5,655'-5,725', WOB- 28-30K, RPM- 155 COMBINED, GPM- 775, MW- 9.1, VIS- 37, BG GAS- 275u, CONN GAS- 525u, NO LOSSES, TOP OF WASATCH- 5,674'
1/12/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 5,725'-5,781', WOB- 28-30K, RPM- 155 COMBINED, GPM- 775, MW- 9+, VIS- 39, BG GAS- 300u, NO LOSSES
	12:00 - 13:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM. CHANGED SHAKER SCREENS
	13:00 - 18:00	5.00	DRL	1	DRILL F/ 5,781'-5,813, WOB- 20-25K, RPM- 165 COMBINED, GPM- 810 (STARTED DRLG IN MORE BENTONITE AT 5,790', BUT BIT BALLING & STICK SLIPPING IS NOT AS SEVERE AS BEFORE)
	18:00 - 19:00	1.00	RIG	2	CHANGE SWAB & LINER IN #1 PUMP
	19:00 - 01:00	6.00	DRL	1	DRILL F/ 5,813'-5,850', WOB- 25-30K, RPM- 165 COMBINED, GPM- 810 (DRILLED IN BENTONITE UNTIL5,828') MW- 9+ VIS- 41, BG GAS- 300u, CONN GAS- 1100u, HOLE SEEPNIG 2 BBLS/HR
	01:00 - 01:30	0.50	SUR	1	DROP SURVEY
	01:30 - 06:00	4.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #4 (THAW OUT TRIP TANK LINE)
1/13/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT F/ BIT #4 (SNOWING HEAVILY)
	07:30 - 08:00	0.50	TRP	10	FUNCTION BLIND RAMS, BREAK BIT & RETRIEVE SURVEY TOOL
	08:00 - 09:00	1.00	TRP	10	MAKE UP NEW BIT & TRIP IN DC'S, BREAK CIRC.

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/13/2007	09:00 - 10:00	1.00	RIG	6	CUT DRLG LINE, RESET COM
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	11:00 - 14:00	3.00	TRP	10	TRIP IN SLOWLY, BREAK CIRC. AT 2,712'
	14:00 - 14:30	0.50	RIG	2	REPAIR VALVE ON AIR TANK IN MOTOR SHED
	14:30 - 15:00	0.50	RIG	2	CIRC. & THAW WATER LINE TO HYDROMATIC
	15:00 - 16:30	1.50	TRP	10	TRIP IN SLOWLY, LOST 25 BBLS TRIPPING IN
	16:30 - 17:00	0.50	REAM	1	BREAK CIRC. & SAFETY REAM 100' TO BTM, 5' OF FILL
	17:00 - 18:00	1.00	DRL	1	DRILL F/ 5,850'-5,860', WOB- 8-10K, RPM- 160 COMBINED, GPM- 776, MW- 9, VIS- 40, BG GAS- 275u, TRIP GAS- 9680u, NO FLARE
	18:00 - 19:00	1.00	DRL	1	DRILL F/ 5,860'-5,885', DRLG WITH SAME PARAMETERS, MW & VIS
	19:00 - 21:00	2.00	RIG	2	REPLACE SWAB & LINER IN #2 PUMP
	21:00 - 06:00	9.00	DRL	1	DRILL F/ 5,885'-6,061', WOB- 2-10K, RPM- 165 COMBINED, GPM- 776, MW- 9, VIS- 42, BG GAS- 200u, CONN GAS- 350u, SEEPING 2 BBLS/HR, PUMPING 10 BBLS SWEEPS WITH 10% LCM & MIXING WALNUT, MICA & PHENOSEAL HRLY TO CONTROL LOSSES.
1/14/2007	06:00 - 08:00	2.00	DRL	1	DRILL F/ 6,061'-6,093', WOB- 4-8K, RPM- 165 COMBINED, GPM- 740, MW- 9.1+, VIS- 45 BG GAS- 250u, SEEPING 2 BBLS/HR, PUMPING 10 BBL LCM SWEEPS HOURLY TO CONTROL SEEPAGE.
	08:00 - 09:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR VALVE & COM
	09:00 - 18:00	9.00	DRL	1	DRILL F/ 6,093'-6,225', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 250u, CONN GAS- 1500u, SEEPING 2 BBLS/HR, PUMPING LCM SWEEPS & INCRESED MAKE UP WATER FROM 5 GAL/MIN TO 10 GAL/MIN TO LOWER MW.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 6,225'-6,355', WOB- 5-12K, RPM- 165, GPM- 740, MW- 9.1, VIS- 38, BG GAS- 350u, CONN GAS- 1250u, SEEPING 2-3 BBLS/HR, MIXING WALNUT, MICA & PHENOSEAL 1/2 HR/SX & PUMPING 10 BBL SWEEPS WITH 10% LCM HRLY TO TRY TO STOP LOSSES & RUNNING MAKE UP WATER @ 12 GAL/MIN. TO HELP LOWER MW TO 9
1/15/2007	06:00 - 17:00	11.00	DRL	1	DRILL F/ 6,355'-6,472', WOB- 5-12K, RPM- 165 COMBINED, GPM- 740, MW- 9, VIS- 41, BG GAS- 400u, CONN GAS- 1170u, SEEPAGE INCREASED TO 8-10 BBLS/HR AT 6,370', BYPASSED SKAKERS AT 6,400' & ADDED 6% LCM TO SYSTEM. LOSSES DROPPED TO 2-3 BBLS/HR.
	17:00 - 18:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	18:00 - 20:00	2.00	DRL	1	DRILL F/ 6,472'-6,500', WOB- 5-12K, RPM- 165, GPM- 705, MW- 9.1, VIS- 44, BG GAS- 250u, LCM- 6%, SEEPING 4-6 BBLS/HR.
	20:00 - 20:30	0.50	RIG	2	REPACE BAD VALVE & SEAT IN #1 PUMP
	20:30 - 06:00	9.50	DRL	1	DRILL F/ 6,500'-6,615', WOB- 5-12K, RPM- 165, GPM- 705, MW- 9.1, VIS- 48, BG GAS- 250u, CONN GAS- 650u, LCM- 8%, SEEPING 8 BBLS/HR.
1/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL F/ 6,615'-6,661', WOB- 5-12K, RPM- 165 COMBINED, GPM- 705, MW- 9.1, VIS- 52, BG GAS- 250u, LCM- 10%, SEEPING 12 BBLS/HR
	10:00 - 11:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	11:00 - 14:30	3.50	CIRC	1	CIRCULATE @ 300 GPM TO STOP LOSSES, MIXED WALNUT, MICA, LT PHALT & PHENOSEAL AT 20 MIN./SX, LOSSES STOPPED WHILE CIRCULATING AT THIS RATE. CHECKED VALVES & SEATS IN BOTH PUMPS WHILE CIRCULATING.
	14:30 - 21:00	6.50	DRL	1	DRILL F/ 6,661'-6,730', DRLG WITH SAME PARAMETERS, MW & VIS, BG GAS- 600u, CONN GAS- 1700u, 10% LCM, SEEPING 5-6 BBLS/HR
	21:00 - 02:00	5.00	RIG	2	TOP DRIVE REPAIR (REPLACE FUEL FILTERS & STARTER)
	02:00 - 06:00	4.00	DRL	1	DRILL F/ 6,730'-6,755', WOB- 8-12K, RPM- 165 COMBINED, GPM- 762, MW- 9.1, VIS- 41, BG GAS- 350u, CONN GAS- 650u, LCM- 12%, SEEPING 2-3 BBLS/HR
1/17/2007	06:00 - 08:30	2.50	DRL	1	DRILL F/ 6,755'-6,786', WOB- 8-12K, RPM- 170 COMBINED, GPM- 762, MW- 9.1, VIS- 42, BG GAS- 250, LCM- 12%, SEEPING 2-3 BBLS/HR
	08:30 - 09:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BTM PIPE RAMS & COM

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/17/2007	09:30 - 18:00	8.50	DRL	1	DRILL F/ 6,786'-6,863, DRLG WITH SAME PARAMETERS, MW & VIS, LCM- 14%, SEEPING 2 BBLS/HR
	18:00 - 01:00	7.00	DRL	1	DRILL F/ 6,863'-6,974', WOB- 8-15K, RPM- 170 COMBINED, GPM- 762, MW- 9.1, VIS- 41, BG GAS- 200u, CONN GAS- 900u, LCM- 12%, SEEPING 2 BBLS/HR
	01:00 - 01:30	0.50	RIG	2	THAW OUT AIR LINE TO #2 MOTOR CLUTCH
	01:30 - 06:00	4.50	DRL	1	DRILL F/ 6,974'-7,045', WOB- 10-15K, RPM- 170 COMBINED, GPM- 762, BG GAS- 150u, CONN GAS- 950u, LCM- 14%, NO LOSSES
1/18/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 7045 TO 7100 - ALL MUD PRODUCTS THE SAME
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CHECK C.O.M. - FUNCTION TOP PIPE RAMS
	10:30 - 18:00	7.50	DRL	1	DRILL FROM 7100 TO 7194
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7194 TO 7295 - 2.85% KCL - 13% LCM - CONNECTIONS ARE SMOOTH - NO LOSSES AT PRESENT - 150 BR W/ CONN. AT 300 - 9.1 MUD WT. 165 TOTAL RPM - ROP BETTER THAN OFFSET WITH 9.875 BIT VS. 12.250
1/19/2007	06:00 - 06:30	0.50	DRL	1	DRILL FROM 7295 TO 7297
	06:30 - 11:00	4.50	RIG	2	CHECK #2 PUMP OUT - HAMMERING REAL BAD - AFTER VISUAL INSPECTION FOUND NOTHING - WAITING ON MECHANIC - CIRCULATE WITH ONE PUMP
	11:00 - 11:30	0.50	SUR	1	SURVEY WHILE WAITING - 7212' - 2.0 - 155.5 - NOT SURE IF I BELIEVE SURVEY - WILL DROP ONE WHEN TRIPPING
	11:30 - 18:00	6.50	RIG	2	MECHANIC SHOWED UP - TOOK BACK GEAR BOX COVER OFF - FOUND 1-1/16 HEAD BOLT LAYING IN BOTTOM - COULD FIND NO PLACE FOR IT TO GO - CHECKED ALL CROSS HEADS AND BEARINGS - COULD NOT FIND ANY PROBLEMS - PUT TOGETHER AND RUN PUMP THRU POP OFF LINE -POP OFF LINE FROZE - THAWED OUT - PUMP SOUNDED GOOD - PUT ON LINE UNDER PRESSURE - STILL SOUNDED GOOD - GOING BACK TO DRILLING
	18:00 - 21:30	3.50	DRL	1	DRILL FROM 7297 TO 7329 - PUMP HAMMERS AT 110 STROKES(#2) 104 STROKES OK
	21:30 - 00:00	2.50	RIG	2	SHUT #2 PUMP IN AND GO THRU SUCTION AND DISCHARGE VALVES AGAIN - LOST 100 PSI - FOUND NO PROBLEMS - KICK PUMP ON - PUMP PRESSURE IS BACK
	00:00 - 06:00	6.00	DRL	1	DRILL FROM 7329 TO 7375 - NO LOSSES W/ 11% LCM - 2.75 KCL - P RATE HAS SLOWED A LITTLE BUT OFF SET ALSO DID AT SAME DEPTH - STILL DOING GOOD WITH 12.250 VS 9.875 HOLE
1/20/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 7375 TO 7414
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	12:00 - 15:00	3.00	DRL	1	DRILL FROM 7414 TO 7426 - ALL MUD PRODUCTS THE SAME - ROP SLOWED WITH INCREASED TORQUE TO NO TORQUE
	15:00 - 16:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT - BUILD TRIP SLUG -
	16:00 - 17:00	1.00	SUR	1	DROP SURVEY AND PUMP PILL
	17:00 - 18:00	1.00	TRP	10	BLOW DOWN STAND PIPE AND KELLY HOSE - START TRIP OUT
	18:00 - 01:30	7.50	TRP	10	TRIP OUT FOR BIT - NEW DRILLER AND TRAINEE DERRICKMAN - TWO TRAINEES ON FLOOR - HAD TWO OVER PULLS - BOTH 20 OVER AND WENT RIGHT THREW (2685 AND 2132)
	01:30 - 04:30	3.00	TRP	1	HANDLE BHA - LAY DOWN OLD MOTOR AND PICK UP NEW MUD MOTOR = 9.625 AND SWAP OUT BIT
	04:30 - 05:00	0.50	BOP	2	FUNCTION BOP EQUIPMENT AS PER BLM REQUIRMENTS
	05:00 - 06:00	1.00	RIG	5	THAW OUT ELEVATORS AND TONGS - THAW AND CLEAN PART OF FLOOR
1/21/2007	06:00 - 06:30	0.50	TRP	2	TRIP TWO STANDS OF BHA OUT TO DOUBLE CHECK CROWS FOOT (DID NOT INSPECT AS REQUESTED)
	06:30 - 08:30	2.00	TRP	2	TRIP IN TO HOLE - FILL AND CIRCULATE EVERY TWO ROWS - CHANGE OUT CORROSIN RING - INSTALL RT. HEAD
	08:30 - 10:30	2.00	RIG	2	HEAT HYD. OIL ON TOP DRIVE SO IT WOULD ACTIVATE ROTATION - WAS IN WINTER MODE WHILE TRIPPING BUT GOT TO COLD - UNIT IS WRAPPED FROM WAETHER

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/21/2007	10:30 - 15:00	4.50	TRP	2	TRIP IN TO HOLE - FILL AND CIRCULATE EVERY TWO ROWS - MUD VERY COLD - THICK - ECT.
	15:00 - 18:00	3.00	REAM	1	WASH AND REAM 150' OF VERY STICKY - THICK - SOFT FILL - COULD ONLY KEEP PUMPS AT 80 STROKES UNTIL FLUID STARTED RELAXING A LITTLE
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7426 TO 7505 - NOT DRILLING AS EXPECTED - WORKING BIT WT. - RPM - ECT VERY AGGESSIVELY TO KEEP ROP UP - TORQUE RUNNING HIGH BUT NEED IT TO DRILL - GETTING MUD WT. BACK TO 9.1 - RUNNING WATER AT 5 GALLONS P/M
1/22/2007	06:00 - 06:30	0.50	DRL	1	DRILL FROM 7505 TO 7510 - BAD SLIP STICK - HIGH TORQUE
	06:30 - 08:00	1.50	RIG	2	CHANGE OUT ON #2 PUMP
	08:00 - 11:30	3.50	DRL	1	DRILL FROM 7510 TO 7530 - HAVING HARD TIME TO GET TO DRILL - NO P RATE
	11:30 - 13:00	1.50	CIRC	1	CIRCULATE AND CONDITION MUD FOR TRIP OUT - MIX AND PUMP PILL - BLOW KELLY DOWN
	13:00 - 18:00	5.00	TRP	10	TRIP OUT FOR DIFFERANT BIT AND MM - HOLE FILL = 7 BBLS EXTRA - CHECKED C.O.M.
	18:00 - 19:00	1.00	TRP	1	HANDLE BHA - LDMM AND BIT - PICK UP SAME
	19:00 - 23:00	4.00	TRP	2	PICK UP BHA AND FILL AND TEST MM, FILL AT 4500'
	23:00 - 23:30	0.50	CIRC	1	CIRCULATE TRIP SLUG TO SURFACE
	23:30 - 02:00	2.50	TRP	2	TRIP TO 90' FROM BOTTOM
	02:00 - 03:00	1.00	REAM	1	SAFETY REAM 90' TO BOTTOM AND TO HELP CONDITION COLD MUD
	03:00 - 04:00	1.00	DRL	1	DRILL FROM 7530 TO 7538
	04:00 - 05:00	1.00	RIG	2	REPAIR AIR LINE TO #2 PUMP CLUTCH
	05:00 - 06:00	1.00	DRL	1	DRILL FROM 7538 TO 7550 - PR COMING UP - TORQUE DOING GREAT SO FAR
1/23/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 7550 TO 7593 - P RATE IS UP BUT SO FAR CAN NOT ADJUST ENOUGH TO TAKE CARE OF SLIP STICK
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, CHECK C.O.M. AND UPPER PIPE RAMS
	10:30 - 14:00	3.50	DRL	1	DRILL FROM 7593 TO 7614 - CAN NOT CONTROL P-RATE OR SLIP STICK - HOLD CONFERANCE CALL AND DECIDE TO TRIP
	14:00 - 16:00	2.00	RIG	2	REPLACE SWAB AND LINER IN #2 PUMP
	16:00 - 18:00	2.00	TRP	10	PUMP PILL AND TRIP OUT FOR BIT
	18:00 - 20:00	2.00	TRP	10	TRIP OUT TO 1600'
	20:00 - 21:00	1.00	BOP	1	PULL RT HEAD - CHANGE OUT RT HEAD AND READY FOR TRIP IN
	21:00 - 21:30	0.50	TRP	2	FINISH TRIP OUT
	21:30 - 22:30	1.00	TRP	1	SWAP OUT BIT AND CLEAN ICE FROM FLOOR TO TRIP IN TO HOLE
	22:30 - 01:30	3.00	TRP	2	TRIP BHA IN AND FILL AND CIRCULATE
	01:30 - 02:30	1.00	TRP	2	TRIP IN - INSTALL RT HEAD - FILL AND CIRCULATE BOTTOMS UP
	02:30 - 03:30	1.00	TRP	2	TRIP IN TO HOLE TO 7500'
	03:30 - 04:30	1.00	REAM	1	SAFETY WASH AND REAM 114' TO BOTTOM - OK
	04:30 - 06:00	1.50	DRL	1	DRILL FROM 7614 TO 7620 - BREAK BIT IN SLOWLY - BIT WANTED TO BOUNCE FROM 15 TO 20 WT. WORKING RPM ON BOTH MM AND ROTARY - RESTARTING BIT IS HELPING - NOW RUNNING 23K ON BIT WITH TOTAL RPM AT 160 - ROP IS FROM 5 TO 9 - WILL KEEP WORKING WITH IT
1/24/2007	06:00 - 12:00	6.00	DRL	1	DRILL FROM 7620 TO 7656 - WORK PUMPS - ROTARY - BIT WT. - TO KEEP FROM BOUNCING - SMOOTHED OUT FINALLY AND GOT DRILLING - 95 STROKES ON PUMPS - 75 RT. - 37 K ON BIT
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS
	13:00 - 18:00	5.00	DRL	1	DRILL FROM 7656 TO 7700
	18:00 - 19:00	1.00	DRL	1	DRILL FROM 7700 TO 7709 - LAST THREE FEET STARTED SLOWING DOWN - TORQUE DROPPED - ADDED 1 K TO BIT AND IT TORQUED - PULLED OF BOTTOM -
	19:00 - 20:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP - READY FOR TRIP OUT - READY TRIP SLUG

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/24/2007	20:30 - 02:30	6.00	TRP	10	PUMP PILL - BLOW KELLY DOWN - TRIP OUT - NON ROTATE USING PIPE SPINNERS
	02:30 - 04:30	2.00	TRP	1	LD MM AND BIT - PICK UP MM - BIT AND SHOCK SUB
	04:30 - 06:00	1.50	TRP	2	TRIP BHA INTO HOLE
1/25/2007	06:00 - 09:00	3.00	TRP	2	TRIP IN TO HOLE SLOWLY - RETURNS ARE SLOWING - ADDING LCM TO SUCTION AND SPOTTING ON BACKSIDE WHILE FILLING AND STAGING IN TO HOLE
	09:00 - 09:30	0.50	BOP	1	INSTALL RT. HEAD
	09:30 - 13:00	3.50	TRP	2	TRIP - STAGE IN TO HOLE = 45, FILL PIPE AND SPOT LCM EVERY 10 STANDS, RETURNS ARE PICKING UP GOOD
	13:00 - 14:00	1.00	REAM	1	SAFETY REAM 160' TO BOTTOM - MUD CLABBERED UP - PUMP RATE LOWER
	14:00 - 15:00	1.00	CIRC	1	CIRCULATE AND CONDITION MUD WHILE CLEANING BOTTOM OF HOLE FOR BREAKING BIT IN
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 7709 TO 7728 - MUD GETTING BETTER - ADDING WATER AND DRILL THIN TO SYSTEM ALONG WITH 14% LCM - AT 1800 LOSSES DOWN TO 4 BBLS PER HOUR AND SLOWING
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	19:00 - 03:30	8.50	DRL	1	DRILL FROM 7728 TO 7774 - NO LOSSES AT PRESENT - TOTAL LOSSES = 130 BBLS - BIT DIED - NO TORQUE - BIT BALLING SWEEPS DID NOT HELP NOR DID WIDENED BIT PERAMATERS HELP - CALLED EVERY BODY - GOING TRIPPING AGAIN - WILL HAVE TO CUT DRILL LINE WHEN GOING IN TO HOLE
	03:30 - 05:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP WHILE BUILDING TRIP SLUG
	05:00 - 05:30	0.50	CIRC	1	PUMP PILL AND BLOW KELLY DOWN
	05:30 - 06:00	0.50	RIG	2	TRIP OUT FOR BITRIG DOWN TIME DUE TO NO AIR TO DRILLERS CONSEL - POSSIBLEY FROZEN
1/26/2007	06:00 - 07:30	1.50	RIG	2	THAW OUT AIR COMPRESSOR AND AIR LINES - FROZEN - NO AIR TO DRILLERS CONSEL,
	07:30 - 13:30	6.00	TRP	10	TRIP OUT FOR BIT - LAST 27 STANDS WET
	13:30 - 14:30	1.00	OTH		CLEAN FLOOR FROM WET TRIP
	14:30 - 15:00	0.50	TRP	1	PICK UP AND INSTALL IBS
	15:00 - 17:30	2.50	TRP	2	TRIP BHA IN TO HOLE SLOWLY - KEEPING FLOW TO 12%
	17:30 - 18:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - SO FAR FULL RETURNS - 3 BBL LOSS
	18:00 - 19:00	1.00	TRP	2	TRIP 2 ROWN IN AT TRIP SPEED OF 60 - SLOW
	19:00 - 19:30	0.50	CIRC	1	INSTALL RT. HEAD AND CIRCULATE BOTTOMS UP
	19:30 - 21:00	1.50	TRP	2	STAGE PIPE TO 120' FROM BOTTOM - LOST 79 BBLS TOTAL ON TRIP - HOLE IN SMOOTH SHAPE ON WAY IN
	21:00 - 22:00	1.00	REAM	1	WASH AND REAM 120' TO BOTTOM - NO FILL AND NO TIGHT SPOTS - MAINLY DONE TO GET MUD MOVING AND SLOWLY INCREASING PUMP STROKES - FULL FLOW AT BOTTOM - 15% LCM
	22:00 - 04:00	6.00	DRL	1	DRILL FROM 7774 TO 7813 - MUD STARTING TO LOOK REAL GOOD - MUD WT. BACK TO 9.2 TO 9.25 - HARD TO TELL IF WE ARE LOSING MUD AT PRESENT AS BOTH CENT. ARE WORKING HARD. WILL BYPASS EQUIPMENT LATER THIS MORNING AND DO A 2 HOUR GAIN/LOSS CHECK
	04:00 - 06:00	2.00	RIG	2	GO THRU BOTH MUD PUMPS AS THEY ARE BOTH RUNNING ROUGH - POSSIBLE SEATS AND VALVE PROBLEM FROM LCM 79 BBL LOSS ON TRIP TALKED TO BLM ABOUT BOP MONTHLY TEST DUE ON SATURDAY - CLIFF SAID TO GO AHEAD AND SEE HOW THIS BIT DOES
1/27/2007	06:00 - 07:30	1.50	RIG	2	FINISH GOING THRU BOTH PUMPS - 3 SEATS AND 3 VALVES - RUBBER MALLOT IN SUCTION LINE
	07:30 - 10:30	3.00	DRL	1	DRILL FROM 7813 TO 7832
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE -
	11:30 - 12:30	1.00	LOC	7	CLEAN SHAKER PIT - 90% FULL OF CUTTINGS
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 7832 TO 7861 - SOME TORQUEY DRILLING - SLOW DRILLING

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/27/2007	12:30 - 18:00	5.50	DRL	1	AND SOME FAST
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 7861 TO 7918 - VERY TOUGH DRILLING - WAS GOING TO PULL BIT 3 TIMES BUT WAS ABLE TO GET DRILLING AGAIN - ALSO HAD PROBLEMS WITH RETURN VIS. GOT UP TO 140 TO 160 - WE HAD TO DRILL THRU A BENTNITE STRINGERS - MUD LOGGER DID NOT SEEM THEM
1/28/2007	06:00 - 07:00	1.00	DRL	1	DRILL FROM 7918 TO 7926
	07:00 - 08:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - CHECK C.O.M. AND ANNULAR
	08:00 - 13:30	5.50	DRL	1	DRILL FROM 7926 TO 7947 - BIT WT. UP TO 25,000 JUST TO GET IT TO DRILL - SLIP STICK AND TORQUE HAS GOTTEN UNCONTROLABLE - COULD NOT PUT ON BOTTOM AGAIN SMOOTHLY
	13:30 - 14:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE MIXING TRIP SLUG,
	14:30 - 15:00	0.50	SUR	1	DROP SURVEY AND PUMP PILL
	15:00 - 16:00	1.00	TRP	2	BLOW DOWN KELLY AND TRIP FOR BIT
	16:00 - 16:30	0.50	RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	16:30 - 18:00	1.50	TRP	2	TRIP OUT - HOLE SMOOTH - FILL OK
	18:00 - 19:00	1.00	TRP	10	TRIP OUT
	19:00 - 20:30	1.50	TRP	1	HANDLE BHA - LDMM - LD IBS - CHANGE OUT BIT AND JARS
	20:30 - 22:30	2.00	TRP	2	TRIP BHA IN TO HOLE SLOWLY AND FILL
	22:30 - 23:30	1.00	RIG	6	CUT 120' OF DRILL LINE
	23:30 - 01:30	2.00	TRP	2	TRIP TO 3776 SLOWLY
	01:30 - 02:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP - CIRCULATE TRIP SLUG OUT
	02:00 - 05:30	3.50	TRP	2	STAGE TO BOTTOM - FILL AND CIRCULATE 5 MIN. EVERY 20 STANDS - HOLE DOING GOOD - LOST 7 BBLS ON TRIP - VERY GOOD
	05:30 - 06:00	0.50	REAM	1	SAFETY WASH AND REAM 30' TO BOTTOM - ALSO STAGE MUD PUMPS STROKES UP
1/29/2007	06:00 - 07:00	1.00	CIRC	1	CIRCULATE AND STAGE PUMPS UP - MUD COLD - HAD TO EASE PUMPS UP AS MUD WAS THICK - HIGH FLOW % AND WOULD RUN OVER BYPASSED SHAKERS
	07:00 - 14:30	7.50	DRL	1	DRILL FROM 7947 TO 7998 - BIT BREAK WAS VERY SMOOTH - TORQUE IS GREAT WITH NO SLIPSTICK - 111 MM RPM WITH 65 ON TABLE
	14:30 - 15:30	1.00	RIG	2	CHANGE OUT SWAB
	15:30 - 16:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	16:30 - 18:00	1.50	DRL	1	DRILL FROM 7998 TO 8011
	18:00 - 19:00	1.00	DRL	1	DRILL FROM 8011 TO 8015
	19:00 - 20:30	1.50	RIG	2	REPLACE SWIVEL PACKING
	20:30 - 06:00	9.50	DRL	1	DRILL FROM 8015 TO 8085 - MUD IS GOOD - TORQUE GREAT AND NO SLIPSTICK - LIFE IS PRESENTLY GREAT
1/30/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 8085 TO 8104
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE AND FUNCTION TOP PIPE RAMS
	11:30 - 18:00	6.50	DRL	1	DRILL FROM 8104 TO 8141
	18:00 - 06:00	12.00	DRL	1	8141 TO 8211 - 8101 8110 THE ROCK GOT HARDER. USED 23K ON BIT TO GET THRU IT, NEEDING 19K ON BIT TO KEEP DRILLING - TORQE AND ROTARTY SMOOTH - MUD WT. 9.5 - CONNECTIONS REAL GOOD - SOLIDS CONTROL RUNNING GOOD,
1/31/2007	06:00 - 06:30	0.50	RIG	2	CHANGE OUT SWAB
	06:30 - 07:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	07:30 - 08:30	1.00	DRL	1	DRILL FROM 8218 TO 8226
	08:30 - 10:30	2.00	RIG	2	CHANGE OUT SWABS AND LINERS
	10:30 - 11:30	1.00	DRL	1	DRILL FROM 8226 TO 8229
	11:30 - 12:30	1.00	RIG	2	CHANGE OUT ANOTHER SWAB AND LINER
	12:30 - 16:00	3.50	DRL	1	DRILL FROM 8229 TO 8250
	16:00 - 18:00	2.00	RIG	2	CHANGE OUT LAST SWAB AND LINER
	18:00 - 23:30	5.50	DRL	1	DRILL FROM 8250 TO 8290

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/31/2007	23:30 - 00:00	0.50	RIG	2	REPAIR VALVE AND SEAT IN MUD PUMP
	00:00 - 04:30	4.50	DRL	1	DRILL FROM 8290 TO 8316 - ROP IS PICKING UP A LITTLE AND STARTING TO DRILL WITH LESS WT.
	04:30 - 06:00	1.50	RIG	2	RIG REPAIR - NO AIR - RIG AIR SCREW COMPESSOR IS COMPUTERIZED AND IS HAVING A GLITCH
2/1/2007	06:00 - 18:00	12.00	RIG	2	WAIT ON CLUTCH UNTIL 1430 - PUT ON AND WAS REPAIRING AIR LEAK WHEN THEY DISCOVERED A CRACK IN THE PUMP CLUTCH HUB - TEAR APART AND WAIT ON MORE PARTS - NO MECHANIC INVOLVED YET - JUST TOOL PUSHER AND CREWS
	18:00 - 06:00	12.00	RIG	2	NEW PARTS SHOWED UP AT 00:30 AND THEN STARTED PUTTING TOGETHER. AT 0400 THEY ARE KICKING IN BOTH PUMPS - AS OF 0430 BOTH PUMPS RUNNING FINE BUT #1 PUMP CLUTCH DOES NOT KICK OUT COMPLETLY WHEN #2 IS RUNNING, THEY ARE PUMPING LINES WITH DEICER AND PUTTING STEAM ON LINES TO MAKE SURE THERE IS NO FROZEN SPOTS. AFTER CHECKING ALL CLUTCHES WHILE RUNNING UNDER PRESSURE THEY ARE LOSING AIR - STARTED KICKING OUT EACH CLUTCH SEPERATE AND ISOLATED AIR PROBLEM TO #1 MOTOR CLUTCH - AIR FLEX CLUTCH WHICH HAS A HOLE IN BOOT AND LOOKS TO BE WHAT CAUSED THE PROBLEMS ON PUMP CLUTCH - IT IS A COMMON 24" AIR FLEX AND NATIONAL WILL HAVE ONE IN STOCK AND IF NOT WILSON SUPPLY WILL HAVE ONE - AND IS A EASIER SWAP OUT - FULL AIR WITH IT KICKED OUT - THEY ALSO FOUND A AIR LEAK FROM SUPPLY TANK TO COMPOUND - REPAIRING IT NOW - ALL OTHER LINES HAVE BEEN CHECKED AND DOUBLE CHECKED - 0530 BOTH PUMP CLUTCHES WORKING GREAT - 0545 NATIONAL DOES NOT HAVE ONE BUT WILSON DOES AND IS ON THE WAY
2/2/2007	06:00 - 09:30	3.50	RIG	2	FINISH REPAIRING CLUTCHES ECT - RUN AND CHECK EVERYTHING OUT - OK TO DRILL
	09:30 - 14:00	4.50	DRL	1	DRILL FROM 8316 TO 8356
	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAM - CHECK C.O.M.
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 8356 TO 8395
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 8395 TO 8469 , - MUD WT. = 9.3 - 43 VIS - DRILLING GOOD - STEADY TORQUE - BIT TRYING TO BALL UP AT 8455 - SAMPLES CONFIRM IT. MIXING UP BIT BALLING SWEEPS - FIRST WILL BE 15 BBLS WITH 5 BBLS EVERY HALF HOUR - MUD LOGGERS ALONG WITH RUSSEL STILL SHOWED THE MESA-VERDE COMING IN AT 8383
2/3/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 8469 TO 8490
	10:30 - 11:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP WHILE WAITING ON ORDERS FOR POSSIBLE TD ON INTER.
	11:30 - 13:00	1.50	DRL	1	DRILL FROM 8490 TO 8498
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 15:30	1.50	DRL	1	DRILL FROM 8498 TO 8504 - HIGH TORQUE AND SLIP STICK
	15:30 - 16:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP FOR SHORT TRIP FOR LOGS
	16:30 - 18:00	1.50	TRP	14	PUMP PILL, BLOW KELLY DOWN, TRIP OUT
	18:00 - 20:00	2.00	TRP	14	FINISH SHORT TRIP OUT AND GO BACK TO BOTTOM
	20:00 - 21:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AFTER SHORT TRIP - HOLE IN GOOD SHAPE - GAS FROM 634 = 2218 UNITS WITH NO OTHER GAS
	21:00 - 22:00	1.00	SUR	1	DROP SURVEY - PUMP TRIP SLUG AND BLOW DOWN KELLY
	22:00 - 06:00	8.00	TRP	2	TRIP OUT FOR LOGS - HOLE OK - USED PIPE SPINNERS ON WAY OUT - STRAPED PIPE ON WAY OUT
2/4/2007	06:00 - 08:30	2.50	TRP	2	FINISH TRIP OUT WITH SPINERS AND SLM - DAYLIGHTS SHORT 1 CREW MEMBER
	08:30 - 14:00	5.50	LOG	1	RIG UP LOGGERS - LOG HOLE - RIG DOWN LOGGERS

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/4/2007	14:00 - 15:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION BOP 'S AS PER BLM REQUIRMENTS
	15:00 - 16:00	1.00	WOT	2	WAIT ON BOB L. TO FINISH READING LOGS TO SEE IF WE DRILL DEEPER OR ARE TD. CALLED AND WE ARE GOING DEEPER - CALLED BLM TO LET THEM KNOW AS WE ARE OVER 30 DAY TEST - CLIFF SAID TO DRILL IT UP AND WE WILL TEST ON NEXT STACK
	16:00 - 18:00	2.00	TRP	1	HANDLE BHA - LD MUD MOTOR - PICK UP SAME AND SHOCK - BIT TO DRILL MORE HOLE
	18:00 - 19:30	1.50	TRP	2	TRIP BHA IN TO HOLE
	19:30 - 20:30	1.00	RIG	2	AIR TANK IN GENERATOR BUILDING GOT A CRACK IN TANK - BYPASSED TANK
	20:30 - 21:00	0.50	TRP	2	FINISH TRIPPING BHA IN TO HOLE
	21:00 - 23:00	2.00	TRP	2	BHA TOOK CORRECT FILL BUT WOULD NOT CIRCULATE - JUST PRESSURE UP - TRIED TO SHAKE LOOSE - TRIP BHA OUT WET
	23:00 - 00:00	1.00	TRP	1	BIT NOT PLUUGED - DRAINED MOTOR THRU BIT - CLEANED FLOOR FOR TRIP BACK IN
	00:00 - 05:00	5.00	TRP	2	STAGE IN TO HOLE - CIRCULATE BOTTOMS UP AT 1458' - FILL AT 3315' - FILL AND CIRCULATE BOTTOMS UP AT 5400'
	05:00 - 05:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP TO GET RID OF TRIP SLUG
	05:30 - 06:00	0.50	TRP	2	STAGE - TRIP TO BOTTOM - HOLE DOING VERY GOOD SO FAR
2/5/2007	06:00 - 08:00	2.00	DRL	1	FINISH TRIP TO BOTTOM SLOWLY
	08:00 - 09:00	1.00	REAM	1	WASH AND REAM LAST 110' TO BOTTOM - 15' OF FILL-ALL SOFT - 12 BBLS LOST ON TRIP AND LOGS
	09:00 - 13:00	4.00	DRL	1	DRILL FROM 8504 TO 8540
	13:00 - 14:30	1.50	RIG	2	REPLACE SWAB AND REPAIR POP OFF LINE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 8540 TO 8575
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 8575 TO 8586 - TD
	20:00 - 21:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, CHECK C.O.M. AND FUNCTION HYDRILL
	21:00 - 22:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP - BUILD SMALL TRIP SLUG FOR SHORT TRIP
	22:00 - 01:00	3.00	TRP	14	SHORT TRIP 20 STANDS OUT AND THEN BACK IN - TWO SMALL TIGHT SPOTS FROM 8385 TO 8300 - BENT. SWELLING
	01:00 - 02:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP - BUILD TRIP SLUG FOR TRIP OUT TO RUN CASING
	02:30 - 03:30	1.00	SUR	1	DROP SURVEY - PUMP PILL - BLOW KELLY DOWN
	03:30 - 06:00	2.50	TRP	2	TRIP OUT FOR RUNNING CASING - TIGHT SPOT IN SAME AREA BUT PULLED THRU WITH NO PROBLEMS - TOOL PUSHER LOOKING FOR CRANE TO CHANGE OUT #3 MOTOR TORQUE CONVERTER WHEN CONVIENET - CERT. WELDER COMING TODAY TO REPAIR AIR TANK - WILL CHANGE OUT SWIVEL WHEN TIME ALLOWS
2/6/2007	06:00 - 07:30	1.50	TRP	2	FINISH TRIP OUT TO 8" - PULL CORROSION RING
	07:30 - 08:30	1.00	CSG	1	RIG UP LD CREW AND HOLD SAFETY MEETING
	08:30 - 09:30	1.00	TRP	2	PICK UP 20 STANDS DP AND BHA FROM PIT SIDE AND PUT ON DRILLERS SIDE SO CASING TROUGH WOULD PSS THREW
	09:30 - 12:00	2.50	TRP	1	LD 8" DC AND MUD MOTOR - LD SHOCK SUB AND BIT
	12:00 - 13:00	1.00	BOP	1	LD WEAR RING
	13:00 - 16:00	3.00	CSG	1	RIG UP CASING CREW AND HOLD SAFETY MEETING
	16:00 - 18:00	2.00	CSG	2	RUN CASING IN TO HOLE SLOWLY
	18:00 - 06:00	12.00	CSG	2	RUN CASING IN SLOWLY - CIRCULATING BOTTOMS UP AT 1500'-3000'-4500'-6500' - HAD 25 BBLS LOSS UP TO 3000' BUT DOING GREAT NOW - AT 0530 WE ARE AT 6600 FEET
2/7/2007	06:00 - 10:00	4.00	CSG	2	FINISH STAGING CASING TO BOTTOM - 79 BBLS LOST WHILE RUNNING CASING TO BOTTOM
	10:00 - 11:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP WITH SHAKERS BYPASSED

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/7/2007	11:30 - 15:00	3.50	CIRC	1	CIRCULATE THREW CEMENT HEAD SHAKING OUT LCM - RIGGING UP HALLIBURTON AT SAME TIME
	15:00 - 18:00	3.00	CMT	2	HOLD SAFETY MEETING - TEST LINES AND START CEMENTING
	18:00 - 19:00	1.00	CMT	2	FINISH CEMENT JOB - 623 BBLS DISPACEMENT WITH MUD FROM ACRIVE SYSTEM -20 BBLS SUPER FLUSH AT 9.2# - LEAD WAS 675 SACKS - TYPE 3 - 10.5# - 4.14 FT3/SK - 26.29 GAL/SK - MIDDLE SLURRY = 395 SKS - TYPE G - TOP TO 5800' - 12.5# - 2.03 FT3/SK - 10.99 GAL/SK - TAIL = 400 SKS - 50/50 POZ - 14.35# - 1.25 FT3/SK - 5.5 GAL/SK - PRESSURES GOOD - 3800 PSI BUMPED PLUG TO 4400 PSI - HELD FOR 5 MIN. - FLOAT HELD - DISPLACEMENT 623.28 - BUMPED 5 BBLS EARLY - TUBS WHERE FILL FULL AND SUCKED LOW
	19:00 - 21:00	2.00	CMT	1	RIG DOWN CEMENTERS
	21:00 - 02:00	5.00	BOP	1	NIPPLE DOWN BOP FOR PREPARATION OF SETTING SLIPS
	02:00 - 06:00	4.00	RIG	2	WORK ON RIG - TORQUE CONVERTER - CLUTCHES - TAKE APART AS CRANE AND MECHANIC TO BE HERE IN MORNING FOR REPAIRS AND REPLACEMENT
2/8/2007	06:00 - 07:00	1.00	RIG	2	INSTALL #3 TORQUE CONVERTER
	07:00 - 10:00	3.00	CSG	1	RIG UP CSG CREW & PICK UP 1 JT. OF CSG
	10:00 - 14:00	4.00	CSG	7	NIPPLE DOWN BOP & SET SLIPS AT 350K
	14:00 - 18:00	4.00	BOP	1	NIPPLE DOWN & SET OUT 13 5/8" STACK
	18:00 - 23:00	5.00	BOP	1	INSTALL "B" SECTION, PACK OFF P-SEAL TO 6500# & TEST VOID TO 4300#
	23:00 - 06:00	7.00	BOP	1	NIPPLE UP 11" 10M BOP
2/9/2007	06:00 - 18:00	12.00	BOP	1	NIPPLE UP 11" 10M BOP (HAD SEVERAL STUDS ON THE DOUBLE GATE THAT NEEDED TO BE DRESSED, WILL REPLACE STUDS WHEN BOP IS NIPPLED DOWN)
	18:00 - 06:00	12.00	BOP	2	PRESSURE TEST TOP DRIVE VALVES & TIW VALVE (2 UPPER & LOWER VALVES ON TOP DRIVE WOULD NOT TEST, 3RD VALVE TESTED TO 5000# HI, 250# LOW. TIW VALVE WOULD NOT TEST, KNIGHT OIL TOOL IS LOOKING FOR ANOTHER ONE.) BLM IS WITNESSING TEST.
2/10/2007	06:00 - 15:00	9.00	BOP	2	PRESSURE TEST BOP (TESTED PIPE RAMS, BLIND RAMS, KILL LINE & CHOKE MANIFOLD TO 5000#, ANNULAR- 3500#, SUPER CHOKE- 1000# & CSG TO 1500#. PERFORMED ACCUMALATOR FUNCTION TEST- OK, NEED TO RECHARGE ONE LOW BOTTLE
	15:00 - 16:00	1.00	BOP	1	INSTALL WEAR BUSHING
	16:00 - 18:00	2.00	BOP	1	TIGHTEN UP FLOWLINE, HOOK UP TURN BUCKLES & CENTER STACK
	18:00 - 19:00	1.00	OTH		INSTALL CELLAR RING & PICK UP TOOLS
	19:00 - 21:00	2.00	TRP	1	MAKE UP BIT, DOG SUB, MUD MTR, IBS, NON MAG DC & MOVE ONE ROW OF DP FROM LEFT SIDE TO RIGHT SIDE
	21:00 - 03:30	6.50	ISP	1	INSPECT BHA TRIPPING IN (ALL OK)
	03:30 - 04:00	0.50	TRP	2	TRIP IN 11 STDS OF DP
	04:00 - 06:00	2.00	RIG	2	CHANGE OUT SWIVEL
2/11/2007	06:00 - 14:30	8.50	RIG	2	CHANGE OUT SWIVEL, HAD TO BREAK OUT DOUBLE PIN IN NEW SWIVEL, CHANGE HAMMER UNION, PUT IN NEW SWIVEL PACKING & REMOVE BUMPER PAD FOR BAILS BEFORE IT COULD BE MADE UP TO TOP DRIVE.
	14:30 - 17:00	2.50	RIG	2	REPLACE IBOP VALVE, SAVER SUB & GRABBER DIES ON TOP DRIVE.
	17:00 - 18:00	1.00	CIRC	1	MAKE UP KELLY HOSE & BREAK CIRC.
	18:00 - 19:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR
	19:00 - 22:30	3.50	TRP	2	TRIP IN, FUNCTION COM, BREAK CIRC. @ 5,329', INSTALL ROT. HEAD, BREAK CIRC. @ 7,870'
	22:30 - 03:30	5.00	DRL	4	DRILL SHOE TRACK, TAGGED CEMENT @ 8,497' (PERIODIC EXCESSIVE TORQUE DUE TO SQUARE MOTOR & GOT TEMORARILY STUCK WHEN A PIECE OF THE PLUG OR CEMENT GOT WEDGED ALONG SIDE OF MOTOR)
	03:30 - 04:00	0.50	DRL	1	DRILL F/ 8,586'-8,596', WOB- 8-12K, RPM- 145 COMBINED, GPM- 416, MW- 9.25,

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/11/2007	03:30 - 04:00	0.50	DRL	1	VIS- 38
	04:00 - 05:00	1.00	EQT	2	CIRC & PERFORM FIT TO 13.5 EQUIVILENT
	05:00 - 06:00	1.00	DRL	1	DRILL F/ 8,596'-8,606', DRLG WITH SAME PARAMETERS, MW & VIS
2/12/2007	06:00 - 12:00	6.00	DRL	1	DRILL F/ 8,606'-8,714', WOB- 8-14K, RPM- 145 COMBINED, GPM- 416, MW- 9.25, VIS- 40, BG GAS- 100u, CONN GAS- 650u. DRLG WITH NO LOSSES, RAISING MW TO 9.3-9.4
	12:00 - 13:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & COM
	13:00 - 18:30	5.50	DRL	1	DRILL F/ 8,714'-8,778', DRLG WITH SAME PARAMETERS, MW- 9.3, VIS- 40, STARTED PUMPING BIT BALLING SWEEPS TO IMPROVE DRLG, BG GAS- 150u.
	18:30 - 20:00	1.50	RIG	2	KNOCK KELLY HOSE OFF & TIGHTEN HAMMER UNION
	20:00 - 06:00	10.00	DRL	1	DRILL F/ 8,778'-8,878', WOB- 8-18K, RPM- 165 COMBINED, GPM- 490, VIS- 43, MW- 9.3, BG GAS- 35u, CONN GAS- 2,600u, PUMPING SWEEPS FOR BIT BALLING, INCREASING GPM HELPED TO KEEP THE BIT CLEANED , ALSO SEEING STICK SLIPPING WHEN BIT IS CLEANED OFF.
2/13/2007	06:00 - 15:00	9.00	DRL	1	DRILL F/ 8,878'-8,958', WOB- 8-18K (STARTS TO STICK SLIP OVER 18K), RPM- 165 COMBINED, GPM- 490, MW- 9.4, VIS- 43, BG GAS- 100u, MIX TRIP PILL
	15:00 - 16:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION HCR, FILL TRIP TANK
	16:00 - 16:30	0.50	SUR	1	DROP SURVEY
	16:30 - 18:00	1.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #13, FUNCTION COM
	18:00 - 21:00	3.00	TRP	10	TRIP OUT F/ BIT #13
	21:00 - 22:00	1.00	TRP	1	FUNCTION BLIND RAMS, CHANGE BITS & RETRIEVE SURVEY TOOL.
	22:00 - 04:00	6.00	TRP	10	TRIP IN, BREAK CIRC. @ 1,630', 5,485' & 8,400', INSTALL ROT. HEAD
	04:00 - 04:30	0.50	REAM	1	WASH 90' TO BTM, NO FILL
	04:30 - 06:00	1.50	DRL	1	DRILL F/ 8,958'-8,970', WOB- 10-12K, RPM- 165 COMBINED, GPM- 490, MW- 9,55, VIS- 45, BG GAS- 35u, TRIP GAS- 4,750u
2/14/2007	06:00 - 14:30	8.50	DRL	1	DRILL F/ 8,970'-9,092', WOB- 8-15K, RPM- 165 COMBINED, GPM- 490, MW- 9.5, VIS- 46, BIT IS GETTING BALLED UP PUMPING SWEEPS TO HELP IMPROVE ROP. BG GAS- 30u, CONN GAS- 290u. NO LOSSES
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS & COM
	15:30 - 18:00	2.50	DRL	1	DRILL F/ 9,092'-9,125', DRLG WITH SAME PARAMETERS, MW & VIS, BIT STILL BALLING UP, PUMPING SWEEPS TO IMPROVE ROP.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,092'-9,280', WOB- 10-24K, RPM- 160 COMBINED, GPM- 458, MW- 9.55, VIS- 44, BG GAS- 80u, CONN GAS- 880u, PUMPING SWEEPS F/ BIT BALLING, NO LOSSES
2/15/2007	06:00 - 11:00	5.00	DRL	1	DRILL F/ 9,280'-9,343', WOB- 10-25K, RPM- 160 COMBINED, GPM- 458, MW- 9.5+, VIS- 45, BG GAS- 70u, PUMPING SWEEPS FOR BIT BALLING, NO LOSSES
	11:00 - 12:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	12:00 - 18:00	6.00	DRL	1	DRILL F/ 9,343'-9,411', DRLG WITH SAME PARAMETERS MW & VIS, BIT BALLING STOPPED AT 9,355', NO LOSSES
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,411'-9,550', WOB- 18-26K, RPM- 160 COMBINED, GPM- 458, MW- 9.6, VIS- 44, BG GAS- 70u, CONN GAS- 3,630u, NO LOSSES & NO BIT BALLING
2/16/2007	06:00 - 16:00	10.00	DRL	1	DRILL F/ 9,550'-9,634', WOB- 25-28K, RPM- 160 COMBINED, GPM- 458, MW- 9.9, VIS- 47, BG GAS THRU BUSTER- 800u, OFF BUSTER- 6,800u, DRLG WITH 8-10' FLARE RAISING MW. NO LOSSES
	16:00 - 17:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION ANNULAR & CHANGE OUT ROT. HEAD RUBBER. NO FLOW WHILE DOING THIS.
	17:00 - 20:30	3.50	DRL	1	DRILL F/ 9,634'-9,657', WOB- 25-32K, RPM- 160 COMBINED, GPM- 458, MW- 10, VIS- 45, BG GAS THRU BUSTER- 1,100u, OFF BUSTER- 4,100u, DRLG WITH 4-6' FLARE, NO LOSSES
	20:30 - 22:00	1.50	CIRC	1	CIRC. & RAISE MW TO 10.2, BG GAS DECLINED TO 450u OFF THE BUSTER. CHECK F/ FLOW, NO FLOW

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/16/2007	22:00 - 22:30	0.50	SUR	1	DROP SURVEY
	22:30 - 23:30	1.00	TRP	10	PUMP PILL & TRIP OUT 12 STD TO CSG SHOE, FUNCTION COM
	23:30 - 00:30	1.00	TRP	10	CHECK FOR FLOW & PULL ROT. HEAD
	00:30 - 06:00	5.50	TRP	10	TRIP OUT F/ BIT #14, FUNCTION BLIND RAMS & BREAK BIT (HOLE FILL 15 BBLS OVER CALCULATED)
2/17/2007	06:00 - 06:30	0.50	TRP	1	PICK UP NEW MUD MOTOR & MAKE UP NEW BIT
	06:30 - 07:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION BLIND RAMS
	07:30 - 12:30	5.00	TRP	10	TRIP IN, BREAK CIRC @ 2,268', 5,368' & 8,441'
	12:30 - 14:00	1.50	CIRC	1	CIRCULATE OUT GAS AT CSG SHOE, REPLACE BAD LINE GUIDE ROLLERS
	14:00 - 15:30	1.50	RIG	6	CUT DRLG LINE & RESET COM
	15:30 - 16:30	1.00	RIG	2	REPLACE GRABBER CYLINDER ON TOP DRIVE
	16:30 - 17:30	1.00	TRP	10	TRIP IN SLOWLY
	17:30 - 18:00	0.50	REAM	1	WASH 65' TO BTM, NO FILL
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 9,657'-9,885', WOB- 8-14K, RPM- 100 COMBINED, ROT. TQ.- 1200 PSI, GPM- 416, MW- 10.2, VIS- 46, BG GAS- 2000u, CONN GAS- 5300u, TRIP GAS- 4600u THRU BUSTER WITH 10-20' FLARE. NO LOSSES WHILE DRLG.
2/18/2007	06:00 - 09:30	3.50	DRL	1	DRILL F/ 9,885'-9,948', WOB- 8-14K, RPM-100 COMBINED, GPM- 416, MW- 10.2, VIS- 46, BG GAS- 600u, CONN GAS- 5,630u, NO LOSSES
	09:30 - 10:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS & COM
	10:30 - 18:00	7.50	DRL	1	DRILL F/ 9,848'-10,053', DRLG WITH SAME PARAMETERS, MW- 10.4, VIS- 45, WENT ON BUSTER AT 9,852', BG GAS- 4,850u, ON BUSTER 2,250u WITH 2-10' FLARE, CONTINUE TO RAISE MW, NO LOSSES.
	18:00 - 06:00	12.00	DRL	1	DRILL F/ 10,053'-10,152', WOB- 14-18K, RPM- 110 COMBINED, GPM- 458, MW- 10.7, VIS- 45, BG GAS- 1400u, CONN GAS- 5830u, WENT OFF BUSTER AT 10,070', HOLE STARTED SEEPING 2 BBLS /HR AT 10,075', PUMPING 10 BBL SWEEPS WITH 16% LCM HOURLY & MIXING MICA, WALNUT HULLS & PHENOSEAL 1/2 HR PER SACK F/ LOSSES.
2/19/2007	06:00 - 07:00	1.00	DRL	1	DRILL F/ 10,152'-10,157', WOB- 20K, RPM- 110 COMBINED, GPM- 458, MW- 10.7, VIS- 45, BG GAS- 1400u, LOSING 2 BBLS/HR
	07:00 - 08:00	1.00	CIRC	1	CIRC. BTMS UP & MIX PILL
	08:00 - 08:30	0.50	SUR	1	DROP SURVEY & CHECK FOR FLOW- OK
	08:30 - 14:00	5.50	TRP	10	PUMP PILL & TRIP OUT F/ BIT #15, FUNCTION COM, HOLE FILL 14 BBLS OVER CALCULATED
	14:00 - 14:30	0.50	TRP	10	FUNCTION BLIND RAMS, RETRIEVE SURVEY TOOL & CHANGE BITS
	14:30 - 19:00	4.50	TRP	10	TRIP IN SLOWLY, BREAK CIRC. AT 2,015' & 4,929'
	19:00 - 20:30	1.50	CIRC	1	INSTALL ROT. HEAD & CIRC. OUT GAS AT CSG SHOE
	20:30 - 21:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, TAKE HALF LINK OUT OF INPUT CHAIN
	21:30 - 22:30	1.00	TRP	10	TRIP IN SLOWLY
	22:30 - 23:00	0.50	REAM	1	WASH 50' TO BTM, NO FILL
	23:00 - 06:00	7.00	DRL	1	DRILL F/ 10,157'-10,285', WOB- 8-16K, RPM- 100 COMBINED, GPM- 416, MW- 10.75, VIS- 45, DRLG THRU BUSTER WITH 3-5' FLARE, BG GAS- 2500u, CONN GAS- 5650u, TRIP GAS- 5800u WITH 15' FLARE, SEEPING 1-2 BBLS/ HR, PUMPING 10 BBL 16% LCM SWEEPS HOURLY
2/20/2007	06:00 - 09:00	3.00	DRL	1	DRILL F/ 10,285'-10,326', WOB- 8-16K, RPM- 100 COMBINED, GPM- 416, MW- 10.8, VIS- 44, DRLG THRU BUSTER WITH 2-5' FLARE, BG GAS- 1470u, SEEPING- 2 BBLS, PUMPING PUMPING 10 BBL SWEEPS WITH 15% LCM HOURLY CONTINUE RAISING MW
	09:00 - 10:00	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE, FUNCTION TOP PIPE RAMS, HCR & COM, BLEW OUT CHOKE LINE WITH AIR.
	10:00 - 21:00	11.00	DRL	1	DRILL F/ 10,326'-10,397', WOB- 8-20K, RPM 100-110 COMBINED, GPM- 416-458, MW- 11.25, VIS- 44, DRLG THRU BUSTER WITH 2-4' FLARE, BG GAS- 1400u, CONN GAS- 1750u WITH 8' FLARE, BIT SLOWED UP AT 10,365'. AT FIRST THOUGHT BIT WAS BALLING UP, PUMPED TWO SWEEPS WITH NO RESULTS.

Questar E & P

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	10:00 - 21:00	11.00	DRL	1	SAMPLES SHOWED HARD SHALE WITH QUARTZ. CONTINUE TO RAISE MW WHILE DRLG WITH SLOW ROP.
	21:00 - 01:00	4.00	CIRC	1	CIRC. & RAISE MW FROM 11.25-11.4 & MIX TRIP SLUG
	01:00 - 01:30	0.50	TRP	10	CHECK FOR FLOW - OK
	01:30 - 06:00	4.50	TRP	10	PUMP PILL, BLOW DOWN STANDPIPE & TRIP OUT FOR BIT #16, PULLED ROT. HEAD AT CSG SHOE, FUNCTIONED COM.
2/21/2007	06:00 - 07:30	1.50	TRP	10	TRIP OUT F/ BIT #16, HOLE FILL 15 BBLS OVER CALCULATED
	07:30 - 08:30	1.00	TRP	1	FUNCTION BLIND RAMS, BREAK BIT & CHANGE OUT MUD MOTORS
	08:30 - 13:30	5.00	TRP	10	MAKE UP NEW BIT & TRIP IN, BREAK CIRC. AT 2,170' & 5,271'
	13:30 - 14:30	1.00	CIRC	1	INSTALL ROT. HEAD & CIRC. BTMS UP AT CSG SHOE, TIGHTENED HAMMER UNION ON SWIVEL
	14:30 - 15:30	1.00	RIG	1	LUBRICATE RIG & TOP DRIVE
	15:30 - 16:30	1.00	TRP	10	TRIP IN SLOWLY
	16:30 - 17:00	0.50	REAM	1	WASH 95' TO BTM, 4' OF FILL
	17:00 - 06:00	13.00	DRL	1	DRILL F/ 10,397'- 10,515' , WOB- 8-16K, RPM- 120 COMBINED, GPM- 458, HAD STICK SLIP PROBLEMS WHILE DRLG WITH 48 RPM & 416 GPM, INCREASED RPM TO 60 & GPM TO 458 & THIS STOPPED THE STICK SLIPPING, DRLG THRU GAS BUSTER WITH NO FLARE CURRENTLY, BG GAS- 2690u, CONN GAS- 6250u, TRIP GAS- 8835u WITH 15-30' FLARE, STILL SEEPING 1-2 BBLS HOURLY, PUMPING 10 BBL SWEEPS WITH 15% LCM FOR LOSSES. CONTINUE TO RAISE MW.
2/22/2007	06:00 - 09:00	3.00	DRL	1	DRILL FROM 10515 TO 10545 - NO HOLE PROBLEMS
	09:00 - 10:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION ANNULAR - TIGHTEN #2 PUMP BELTS
	10:00 - 18:00	8.00	DRL	1	DRILL FROM 10545 TO 10624
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 10624 TO 10730 - RUNNING ALL SOLIDS CONTROL AND STILL BUILDING VOLUME - MUD WT. = 11.8 AND HOLDING WELL
2/23/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 10730 TO 10797
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS - FUNCTION C.O.M.
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 10797 TO 10827
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 10827 TO 10925 - NO LOSSES - FOUND SEGO WITH GAS - NO MUD WT. CHANGE -
2/24/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 10925 TO 11015
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION UPPER PIPE RAMS
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11015 TO 11043 - LOSING 2 BBLS PER HOUR
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 11043 TO 11042 - BIT SLOWING AND THEN ALMOST STOPPED - HOLE STILL LOSING 2 BBLS PER HOUR OK - SWEEPS WORKING WELL
	20:00 - 22:00	2.00	CIRC	1	CIRCULATE BOTTOMS UP AND CONDITION MUD FOR TRIP OUT
	22:00 - 22:30	0.50	SUR	1	DROP SURVEY - DEPTH = 11015 - 2.4 - 132.1
	22:30 - 23:00	0.50	CIRC	1	FLOW CHECK - OK
	23:00 - 23:30	0.50	CIRC	1	PUMP PILL AND BLOW DOWN STAND PIPE
	23:30 - 04:30	5.00	TRP	10	TRIP OUT FOR BIT - TRIP SHEET WAS 1 BBL OVER
	04:30 - 05:30	1.00	TRP	1	HANDLE BHA - SWAP OUT BIT AND MUD MOTOR
	05:30 - 06:00	0.50	TRP	2	TRIP BHA INTO HOLE
2/25/2007	06:00 - 11:00	5.00	TRP	2	TRIP IN TO HOLE, FILL AT 1300 - 3828 - 6935
	11:00 - 12:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AT SHOE
	12:00 - 13:00	1.00	RIG	6	CUT DRILL LINE
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 20:00	6.00	RIG	2	REPLACE CRACKED KELLY HOUSE AND TEST FOR LEAKS
	20:00 - 21:30	1.50	TRP	2	FINISH TRIP TO BOTTOM SLOWLY AND WASH AND REAM 30' TO BOTTOM
	21:30 - 23:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP - 20' FLARE - 42 BBL GAIN - LOST 17 BBLS ON TRIP - BU UNITS = 7050

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	23:30 - 06:00	6.50	DRL	1	DRILL FROM 11052 TO 11095 - BREAK BIT IN FOR 2 FEET AND THEN BRING DIFF. UP TO 200 - DRILLING FROM 5' TO 11' PER HOUR - 3700 UNITS CONN. - WITH 8' FLARE
2/26/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 11095 TO 11140
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION LOWER PIPE RAMS AND C.O.M.
	12:00 - 15:00	3.00	DRL	1	DRILL FROM 11140 TO 11158
	15:00 - 17:30	2.50	RIG	2	REPLACE TWO WASHED SEATS IN # 2 PUMP
	17:30 - 18:00	0.50	DRL	1	DRILL FROM 11158 TO 11160
	18:00 - 00:00	6.00	DRL	1	DRILL FROM 11160 TO 11199
	00:00 - 01:30	1.50	RIG	2	REPAIR SWABS ON #2 PUMP AND WASH OUT WASHER BOX
	01:30 - 06:00	4.50	DRL	1	DRILL FROM 11199 TO 11245 - RAISING MUD WT. TWO TENTHS - OVER PULL TRYING TO CREEP UP ON CONNECTIONS - - CASTLEGATE CAME IN AT 11098 - P RATE GOT DOWN TO 5.9 BUT AS WE GET DEEPER P RATE IS INCREASING TO 9' ROP -
2/27/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 11245 TO 11298
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11298 TO 11335 - STARTING TO RAISE MUD WT. FOR BLACKHAWK
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11335 TO 11415 - RAISED MUD WT. TO 12.2 - STILL LOSING 2 BBLS PER HOUR - SWEEPING HOLE EVERY HOUR
2/28/2007	06:00 - 11:00	5.00	DRL	1	DRILL FROM 11415 TO 11445
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:00 - 18:00	6.00	DRL	1	DRILL FROM 11445 TO 11495
	18:00 - 20:00	2.00	DRL	1	DRILL FROM 11495 TO 11518
	20:00 - 21:00	1.00	RIG	2	REPAIR COMPOUND OILER CHAIN AND CHANGE OUT SLIP DIES
	21:00 - 06:00	9.00	DRL	1	DRILL FROM 11518 TO 11563 - POSSIBLE MUD MOTOR PROBLEMS - PRESSURES UP AFTER TURNING PUMPS OFF - SHAKE MOTOR AND WORK PUMPS TO GET GOING - PREPAIRING FOR TRIP OUT - NEXT MAJOR GAS ZONE VERY CLOSE - WILL HAVE NEW EQUIPMENT ON BOTTOM BEFORE HITTING EXTRA SANDS - BACKGROUND GAS GOOD AND MUD WT. GOOD SO FAR
3/1/2007	06:00 - 07:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP FOR TRIP OUT - BUILD AND PUMP PILL
	07:30 - 14:30	7.00	TRP	12	TRIP OUT FOR BIT AND MUD MOTOR - MOTOR LOCKED UP ON #9 STAND COMING OUT - WET TRIP THE REST OF THE WAY - SET CELLAR PUMP TO DISCHARGE TO ACTIVE SYSTEM OVER SHAKERS - MANAGE TRIP VOLUMES THRU TRIP TANK
	14:30 - 15:00	0.50	BOP	1	PULL RT. HEAD AND SET 1ST STAND IN FRONT
	15:00 - 18:00	3.00	TRP	12	TRIP OUT WET
	18:00 - 19:00	1.00	TRP	1	LAY DOWN BIT AND MUD MOTOR - PICK UP SAME - FLOOR VERY DIRTY - WILL TRIP BHA AND 5 STANDS IN - INSTALL RT. HEAD - FILL AND CLEAN FLOOR FOR TRIP IN - BOTTOM BEARING FAILURE ON MOTOR
	19:00 - 20:30	1.50	TRP	2	TRIP BHA AND 5 STANDS IN - FILL AND CIRCULATE 5 MINUTES -
	20:30 - 21:30	1.00	BOP	1	INSTALL RT HEAD - CLEAN MAIN FLOOR AREA FOR TRIP IN
	21:30 - 01:30	4.00	TRP	2	TRIP IN TO HOLE WITH TRIP SPEED OF 85 - FLOW % TO 20 OR LESS - FILL PIPE AT 2736 - 4333 - 6406 - 8596
	01:30 - 02:00	0.50	BOP	1	PULL OLD RT. HEAD AND INSTALL NEW HEAD
	02:00 - 03:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP AT SHOE - 7000 STROKES - 3454 UNITS
	03:00 - 05:00	2.00	TRP	2	TRIP TO 120 FROM BOTTOM - HOLE SMOOTH - WILL SAFETY WASH AND REAM LAST STAND AND A HALF TO BOTTOM
	05:00 - 06:00	1.00	CIRC	1	WILL CIRCULATE BOTTOMS UP BEFORE DRILLING - WANT GOOD 12.3 MUD ALL THE WAY AROUND BEFORE DRILLING IN TO NEXT GAS SECTION - 27 BBLS LOST ON WET TRIP
3/2/2007	06:00 - 07:00	1.00	CIRC	1	FINISH BOTTOMS UP

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/2/2007	07:00 - 18:00	11.00	DRL	1	DRILL FROM 11563 TO 11694
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11694 TO 11780 - GOOD LOWER SANDS IN BLACKHAWK - STILL HOLDING 12.4 - NO SEEPING IN LAST 14 HOURS - SEEKING OUT THE MANCOS
3/3/2007	06:00 - 07:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION UPPER PIPE RAMS
	07:00 - 18:00	11.00	DRL	1	DRILL FROM 11870 TO 11900 - HAD A COUPLE VERY SLOW SPOTS - HIGH TORGUE - BUT PATIENTS PAYED OFF AND DRILLING AHEAD SMOOTHLY
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11900 TO 12012 - NOW IN MANCOS SHALE - BACKGROUND STAYING UP - WILL LEAVE FOR A WHILE THEN WT. UP - TD NOW IN SIGHT
3/4/2007	06:00 - 07:30	1.50	DRL	1	DRILL FRO 12012 TO 12038 - HOLE VERY STABLE SO FAR
	07:30 - 08:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE - FUNCTION HYDRILL
	08:30 - 18:00	9.50	DRL	1	DRILL FROM 12038 TO 12154 - DRILLED IN TO FRACTURE AT 12092 - STALLED TOP DRIVE - PICKED UP AND PUT ON BOTTOM - HIGH TORQUE AGAIN - PICKED UP AND GOT HUNG UP - STILL FULL RETURNS AND NO PUMP PRESSURE INCREASE- HUNG UP ON BHA SOMEWHERE - WORKED FREE AND WENT BACK TO DRILLING - WATCHED RETURNS AND BOTTOMS UP - NO LARGE CUTTINGS OR FRACTURE PIECES
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12154 TO 12275 - RAISING MUD WT. A TENTH AT A TIME - HOLDING GOOD - BACKGROUNG COMING DOWN - WILL BE - HOPE TO BE READY FOR MANCOS B AT AROUND 12320 PLUS OR MINUS WITH 12.8 TO 12.8+ MUD WT. BG SHOULD BE AROUND 1000 UNITS
3/5/2007	06:00 - 15:00	9.00	DRL	1	DRILL FROM 12275 TO 12374
	15:00 - 15:30	0.50	CIRC	1	CIRCULATE GAS OUT THRU BUSTER - 8 TO 10 FOOT FLARE - LOSING MUD AT 20 BBLS PER HOUR
	15:30 - 16:30	1.00	DRL	1	DRILL FROM 12374 TO 13387 - SWEEPS NOT HELPING - BYPASS SHAKERS AND START BUILDING LCM % UP TO 5%
	16:30 - 18:00	1.50	CIRC	1	CIRCULATE MORE GAS OUT - 5% LCM ALL AROUND - RETURNS ARE GOOD - LOSING 3-4 BBLS PER HOUR AND GETTING BETTER
	18:00 - 20:30	2.50	DRL	1	DRILL FROM 12387 TO 12400 = LINER TD - RUSSEL AND BOB L. WERE CALLED FOR DOUBLE CHECK OF GAS - SANDS - AND AMOUNT OF SHALE FOR SHOE - MANCOS B = 12302 - BASE OFMANCOSB = 12362 = 37' OF SHALE FOR GOOD SHOE - 12302-12304 = 2100 UNITS - 12357 TO 12372 = 5200 UNITS - 4' TO 8' FLARE(22 BBL GAIN
	20:30 - 00:00	3.50	CIRC	6	CIRULATE HOLE CLEAN - BUILD VOLUME - LOSSES SO FAR = 175 BBLS - HOLE NOW HOLDING WITH 12.9 WT. AND 6% LCM - HALLIBURTON WIRELINE PUT ON NOTICE
	00:00 - 03:00	3.00	TRP	14	SHORT TRIP TO SHOE = 41 STANDS - TWO TIGHT SPOTS - 12357 - AND 11931 - PULL THRU AND THEN DOWN - OK - 1 BBL SHORT ON TRIP SHEET
	03:00 - 06:00	3.00	TRP	14	TRIP BACK IN TO HOLE VERY VERY SLOWLY - TRIP SPEED = 70 - FULL RETURNS - FILL AND CIRCULATE 5 MINUTES EVERY 10 STANDS - LOSSES ON SHORT TRIP = 2 BBLS
3/6/2007	06:00 - 11:00	5.00	CIRC	1	CIRCULATE AND CONDITION MUD FROM SHORT TRIP - CIRCULATE OUT GAS - FLARE = 10'
	11:00 - 11:30	0.50	DRL	1	WAS TOLD TO GO BACK DRILLING - DRILLED FROM 12400 TO 12403 THEN TOLD TO STOP
	11:30 - 13:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP FROM 3' OF DRILLING
	13:00 - 13:30	0.50	SUR	1	DROP SURVEY
	13:30 - 14:30	1.00	CIRC	1	SPOT WEIGHTED SLUG ON BOTTOM COVERING 1000 FEET = 70 BBLS 1 POUND OVER
	14:30 - 18:00	3.50	TRP	2	TRIP OUT - STRAP OUT - NO ROTATING UNTIL CASING - TIGHT SPOTS AT 11385 AND 11189 - PULL THRU AND THEN DOWN - SEEN NOTHING AFTER GOING BACK DOWN OR UP ON SECOND TIME
	18:00 - 21:30	3.50	TRP	2	TRIP OUT FOR LOGS

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/6/2007	21:30 - 22:00	0.50	BOP	1	PULL RT. HEAD
	22:00 - 23:30	1.50	TRP	2	FINISH TRIP OUT - TRIP CALCULATED = 114.85 - ACTUAL = 121.9
	23:30 - 00:00	0.50	TRP	1	LAYDOWN MUD MOTOR AND BIT
	00:00 - 06:00	6.00	LOG	1	RUN OPEN HOLE LOGS - DRILLERS DEPTH = 12403 - LOGGERS DEPTH = 12407 - STRAP OUT WAS 12411 - LOGGERS ABLE TO REACH BOTTOM BOTH TIMES WITH NO PROBLEMS
3/7/2007	06:00 - 07:00	1.00	LOG	1	WIRELINE LOGS, RIG DOWN
	07:00 - 08:00	1.00	TRP	1	STRAP AND PICK UP NEW MUD MOTOR AND BIT
	08:00 - 14:00	6.00	TRP	15	TRIP IN HOLE, FILLING PIPE EVERY 22 STAND
	14:00 - 15:00	1.00	CIRC	1	CIRCULATE AND CONDITION AT CASING SHOE, CIRCULATED OUT GAS, FLARE 5 FOOT,
	15:00 - 16:00	1.00	TRP	15	TRIP IN HOLE, 20 STANDS
	16:00 - 16:30	0.50	CIRC	1	CIRCULATE AND MOVE MUD UP INTO CASING SHOE
	16:30 - 17:30	1.00	TRP	15	TRIP IN HOLE 10 STANDS
	17:30 - 18:00	0.50	CIRC	1	CIRCULATE AND MOVE MUD INTO CASING SHOE
	18:00 - 18:30	0.50	TRP	15	TRIP IN HOLE TO 12403'
	18:30 - 21:00	2.50	CIRC	1	CIRCULATE AND CONDITION CIRCULATE OUT GAS 15 FOOT FLARE
	21:00 - 21:30	0.50	TRP	2	TRIP OUT OF HOLE, FOR 7" LINER PULLED 5 STANDS
	21:30 - 22:00	0.50	CIRC	1	PUMPED AND DISPLACED 70 BBLS 14 PPG PILL (COVERED 1000')
	22:00 - 04:00	6.00	TRP	2	TRIP OUT OF HOLE NO RORATING UNTIL CASING TIGHT HOLE AT 11383' PULL THROUGH WNT BACK DOWN NO OVERPULL WHEN COMING BACK UP
	04:00 - 05:30	1.50	CSG	1	RIU LAY DOWN MACHINE,
	05:30 - 06:00	0.50	TRP	1	LAY DOWN BHA
3/8/2007	06:00 - 07:30	1.50	TRP	1	LAY DOWN BHA
	07:30 - 08:00	0.50	OTH		PULL WEAR BUSHING
	08:00 - 10:00	2.00	CSG	1	RIGGING UP TO RUN 7 INCH CASING
	10:00 - 16:00	6.00	CSG	2	RUNNING 7 INCH LINER 101 JOINTS
	16:00 - 17:00	1.00	CIRC	1	M/U ONE STAND OF 5 ON 7 INCH AND RAN IN HOLE AND CIRC BOTTOMS UPI
	17:00 - 22:00	5.00	CSG	2	RAN 7 INCH LINER ON 5 INCH DRILL PIPE, AT 3 MIN A STAND RUNNING SPEED TO CASING SHOE
	22:00 - 22:30	0.50	CSG	2	MADE UP CEMENT HEAD AND LAYED DOWN SAME
	22:30 - 00:30	2.00	CIRC	1	CIRC AND CONDITION MUD STAGE MUD PUMPS UP TO 60 STKS/ MIN SLOWLY
	00:30 - 05:00	4.50	CSG	2	RUN 7 INCH LINER ON 5 INCH DRILL PIPE AT 3 MIN A STAND RUNNING SPEED FILLING PIPE AND BREAKING CIRCULATION EVEY 10 STANDS, AT 11472' CIRCULATED 15 MIN AT 60 STKS MIN. BROKE CIRCULATION AT 11,9405 RIH HOLE TO 12293
	05:00 - 05:30	0.50	CIRC	1	CIRCULATE WASH BROKE CIRC. WASH FROM 12293 TO 12293
	05:30 - 06:00	0.50	CMT	1	R/U CEMENT HEAD
3/9/2007	06:00 - 11:30	5.50	CIRC	1	CIRC AND CONDITION MUD SHOOK OUT LCM
	11:30 - 14:00	2.50	CMT	2	CEMENT AND DISPLACE CEMENT IN PLACE AT 1400 HOURS BUMPED PLUG WITH 296 BB APPLYED 500 PSI OVER DISPLACEMENT PRESSURE PRESSURE 780 PIS FLOAT HELD
	14:00 - 15:00	1.00	TRP	2	TRIP OUT OF HOLE AND LAYED DOWN CEMENT HEAD
	15:00 - 19:00	4.00	CIRC	1	CIRCULATE
	19:00 - 20:00	1.00	RIG	2	REPAIR TOP DRIVE , ADJUST BLOCK EXTENDERS
	20:00 - 22:30	2.50	TRP	2	TOOH
	22:30 - 23:00	0.50	OTH		REMOVED ROTATEING HEAD
	23:00 - 23:30	0.50	OTH		BROKE AND LAYED DOWN CASING RUNNING TOOL
	23:30 - 02:30	3.00	TRP	1	PICKED UP 3 DRILL COLLARS MADE UP BIT AND TRIPED IN HOLE
	02:30 - 06:00	3.50	TRP	2	TRIP IN HOLE FOR NEGITIVE TEST

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/10/2007	06:00 - 07:00	1.00	RIG	6	SLIP AND CUT DRILL LINE
	07:00 - 08:00	1.00	RIG	1	SERVISE RIG
	08:00 - 09:00	1.00	TRP	2	TRIP IN HOLE TAGGED CEMENT AT 7108'
	09:00 - 11:00	2.00	DRL	4	DRILLING CEMENT FROM 7108" TO TOP OF LINER AT 8047' WEIGHT ON BIT WHILE DRILLING CMT 3- 5
	11:00 - 13:00	2.00	CIRC	1	CIRCULATED BOTTOMS UP
	13:00 - 13:30	0.50	OTH		POSITIVE TEST TO 1500 PSI HELD FOR 10 MIN. NO PRESSURE LOSS
	13:30 - 18:00	4.50	CIRC	1	TRANSFERED MUD TO TRUCKS AND DISPLACED HOLE W/ WATER FOR NEGITIVE TEST
	18:00 - 19:00	1.00	EQT	3	NEGITIVE TEST WELL STACTIC ONE HOUR
	19:00 - 21:30	2.50	CIRC	1	SAFETY MEETING HELD BEFORE BEFORE STARTING DISPLACEMENT , DISPLACE WATER TO 12.9 MUD
	21:30 - 22:30	1.00	TRP	3	TRIP OUT OF HOLE LAYING DOWN DRILL PIPE STARTED U TUBING
	22:30 - 02:30	4.00	CIRC	1	CIRCULATE AND CIONDITION MUD MUD WEIGHT IN AND OUT 12.9
	02:30 - 06:00	3.50	TRP	3	TRIP OUT OF HOLE LAYING DOWN DRILL PIPE
3/11/2007	06:00 - 07:30	1.50	TRP	3	TRIP OUT OF HOLE LAYING DOWN DRILL PIPE
	07:30 - 09:00	1.50	TRP	2	TRIP IN HOLE WITH 32 STANDS DRILL PIPE
	09:00 - 12:00	3.00	TRP	3	TRIP OUT OF HOLE LAYING DOWN DRILL PIPE
	12:00 - 14:00	2.00	BOP	2	PICK UP 4" TOOLS AND CHANGE OUT SAVER SUB ON TOP DRIVE TO TEST BOPS
	14:00 - 16:00	2.00	BOP	2	RIG UP AND ATTEMPTED TO TEST SAFETY VALVE ON TOP DRIVE NO TEST
	16:00 - 17:00	1.00	BOP	2	CHANGED OUT SAFETY VALVE ON TOP DRIVE
	17:00 - 18:00	1.00	BOP	2	TEST BOPS AND SAFETY VALVES 250 LOW PRESSURE 10,000 HIGH PRESSURE
	18:00 - 20:30	2.50	BOP	2	TEST BOPS LOWER RAMS 250 LOW PRESSURE 10,000 HIGH PRESSURE ATTEMPTED TO TEST TOP RAMS LEAK BETWEEN MUD CROSS AND BOTTOM RAM ON THE RING GASKET
	20:30 - 03:00	6.50	BOP	2	WAITTING ON JACKS TO PICKUP, RIG DOWN BOPS
	03:00 - 06:00	3.00	BOP	2	P/U BOPS AND CHANGED OUT RING GASKET
3/12/2007	06:00 - 09:00	3.00	BOP	1	CHANGED OUT RIG BETWEEN LOWER RAM AND MUD CROSS NIPPLE UP BOPS
	09:00 - 11:00	2.00	BOP	2	TEST BOPS LEAK BETWEEN BLIND RAMS AND MUD CROSS
	11:00 - 14:00	3.00	BOP	1	P/U BOPS CHANGED OUT RING GASKET
	14:00 - 20:00	6.00	BOP	2	TEST BOPS LOW PRESSURE 250 HIGH PRESSURE 10,000
	20:00 - 01:30	5.50	BOP	1	NIPPLE UP ROTATING HEAD AND FLOW LINE
	01:30 - 02:00	0.50	BOP	2	RAN WEAR BUSHING
	02:00 - 06:00	4.00	TRP	1	PICK UP BHA AND TRIP IN HOLE RABBIT EACH JOINT
3/13/2007	06:00 - 18:00	12.00	TRP	3	PICK UP 4" XT-39 DRILL PIPE AND TRIP IN HOLE TAGED CEMENT AT 12,159'
	18:00 - 19:00	1.00	CIRC	1	CIRCULATE GAS OUT DUE TO HALLIBURTION CHEMICALSUSED DURING THE CEMENT JOB, 3500 UNIT
	19:00 - 02:30	7.50	DRL	4	DRILLING OUT CEMENT AND EQUIPMENT , HARD CEMENT AT 12278' LANDING COLLAR AT 12,345', SHOE AT 12,397'
	02:30 - 04:30	2.00	DRL	1	DRILLING NEW HOLE FROM 12,403' TO 12,405'
	04:30 - 06:00	1.50	CIRC	1	CIRCULATE AND CONDITION FOR FIT
3/14/2007	06:00 - 06:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP FOR FIT TEST
	06:30 - 07:00	0.50	EQT	2	FIT TEST - PRESENT MUD WT. = 13.0 - TEST TO MUD EQUIVELENT OF 15.5 - OK
	07:00 - 08:00	1.00	CIRC	1	CIRCULATE - BUILD PILL - FILL TRIP TANK - PUMP PILL FOR TRIP OUT
	08:00 - 13:30	5.50	TRP	10	TRIP OUT OF HOLE
	13:30 - 15:00	1.50	TRP	1	HANDLE BHA - LD BIT SUB AND PULL FLOAT - PICK UP MUD MOTOR - ADD CROSS OVER - RUN NEW BY CENTER BIT
	15:00 - 16:30	1.50	TRP	2	TRIP BHA IN TO HOLE AND ONE ROW DRILL PIPE - FILL AND CIRCULATE FOR 5 MIN.

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/14/2007	16:30 - 18:00	1.50	RIG	2	CENTER BOP'S - RESTART FLOW LINE UNION AND HAMMER TIGHT(WAS LEAKING BEFORE)
	18:00 - 22:30	4.50	TRP	2	TRIP IN TO HOLE - FILL AT 4908-8092-11337 - THIS IS AS FAST AS THIS DRILLER CAN GO SAFELY
	22:30 - 23:00	0.50	BOP	1	INSTALL RT. HEAD
	23:00 - 00:00	1.00	TRP	2	FINISH TRIP TO BOTTOM - LD TWO JOINTS
	00:00 - 06:00	6.00	DRL	1	DRILL FROM 12405 TO 12505 - BREAK BIT IN - FIND DRILLING PERAMARTERS FOR SWEET SPOT - 105 STROKES(260 GALLONS) - 8-12 BIT WT WITH 52 ROTARY - NO LOSSES - MUD WT. = 13.0 - TORQUE AND ROTARY VERY SMOOTH - BEST DRILLING = 80 TO 100 PSI DIFFERENTIAL.
3/15/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 12505 - 12557 - GAS AT 12534 -
	09:30 - 10:00	0.50	CIRC	1	CIRCULATE OUT GAS - 7444 UNITS - 8' FLARE ON VENT - 22 BBLS GAIN
	10:00 - 14:00	4.00	DRL	1	DRILL FROM 12557 TO 12666' - CONNECTION GAS = 3000 UNITS
	14:00 - 15:00	1.00	RIG	2	SERVICE RIG AND TOP DRIVE
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 12666 TO 12750
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 12750 TO 13055 - HOLE STAYING IN GREAT SHAPE - CONN. GAS DOWN TO 1200 UNITS FROM 3200 - BACK GROUND NO DOWN TO 180 FROM 600 - 1/10 DIFFERANCE IN ECD FROM 6.125 HOLE TO 7" HOLE. AS WE GET DEEPER HOLE SIZE TO OUR FAVOR
3/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 13055 TO 13152 - START RUNNING BIT BALLING SWEEPS AS TOOL JOINTS ON CONNECTION REAM HAVE A SMALL BUILD UP
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	11:00 - 16:00	5.00	DRL	1	DRILL FROM 13152 TO 13299 - TAKING GAIN
	16:00 - 17:00	1.00	CIRC	1	CIRCULATE OUT GAS WHILE RASING MUD WT. TO 13.35 - TOTAL GAIN WAS 40 BBLS - 25' FLARE - 35' FLARE ON BUSTER - GAS SHOW LAGS BACK TO DEPTH OF 13246 - 116' HIGH OF OFF-SET
	17:00 - 18:00	1.00	DRL	1	DRILL FROM 13299 TO 13337 WITH 10' TO 15' FLARE- WT. MUD UP SLOWLY
	18:00 - 19:30	1.50	DRL	1	DRILL FROM 13327 TO 13346 - 15' FLARE WHILE DRILLING ON BUSTER
	19:30 - 22:30	3.00	CIRC	1	ORDERS FROM GEO. WANTED US TO QUIT DRILLING AND RAISE MUD WT. TO GET 500 UNITS ON BUSTER SO THEY COULD POSITIVELY TELL NEXT GAS AND NOT MISS ANYTHING
	22:30 - 06:00	7.50	DRL	1	DRILL FROM 13346 TO 13515 - DRILLING FLARE ANYWHERE FROM 4' TO 12' - MUD WT. = 13.5 - STAYING THERE AS BOTTOMS UP VERY VISABLE AT THIS WT. ON BUSTER - CHANCE OF ANOTHER SHOW POSSIBLE AROUND 13574 + OR -. WILL TAKE OFF OF BUSTER BEFORE AS NOT TO MISS ANYTHING
3/17/2007	06:00 - 10:30	4.50	DRL	1	DRILL FROM 13515 TO 13638 - RAISING MUD WT. VERYSLOWLY
	10:30 - 11:00	0.50	RIG	2	SERVICE RIG AND TOP DRIVEREPAIR TOP DRIVE GRABBER SWITCH
	11:00 - 12:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:00 - 15:00	3.00	DRL	1	DRILL FROM 13638 TO 13736 - HOLDING MUD WT. AT 13.6 - BACKGROUNG SLOWLY COMING DOWN - GOOD GAS SHOWS ON CONNECTIONS BOTTOMS UP
	15:00 - 15:30	0.50	RIG	2	REPAIR PASON STROKE COUNTER UNIT ON #1 PUMP
	15:30 - 18:00	2.50	DRL	1	DRILL FROM 13736 TO 13815
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 13815 TO 14135 - 2K OVER PULL ON CONNECTIONS - NO SLOUGHING AT THIS TIME
3/18/2007	06:00 - 07:30	1.50	DRL	1	DRILL FROM 14135 TO 14221
	07:30 - 08:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	08:30 - 10:00	1.50	DRL	1	DRILL FROM 14221 TO 14270
	10:00 - 10:30	0.50	CIRC	1	CIRCULATE OUT GAS BEFORE CONNECTION
	10:30 - 11:00	0.50	BOP	1	CHANGE OUT RT. AND BOWL GASKET
	11:00 - 18:00	7.00	DRL	1	DRILL FROM 14270 TO 14460
	18:00 - 19:30	1.50	DRL	1	DRILL FROM 14460 TO 14513
	19:30 - 20:00	0.50	CIRC	1	CIRCULATE OUT GAS BEFORE MAKING CONNECTION

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/18/2007	20:00 - 06:00	10.00	DRL	1	DRILL FROM 14513 TO 14760 - SOME CONNECTION GAS WOULD CACTH US AT CONNECTION TIME - FLARE 10' TO 15' - NO LOSSES - BIT RESPONDING AT PRESENT TIME WITH LESS WT. WITH SAME GALLONS - LOOKING AT TAKING ON THE FRONTIER AND RIPPING IT UP ALSO
3/19/2007	06:00 - 10:00	4.00	DRL	1	DRILL FROM 14760 TO 14902
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	11:00 - 18:00	7.00	DRL	1	DRILL FROM 14902 TO 15115
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 15115 TO 15430 - NO LOSSES - MUD WT. UP TO 14.0# - 13.8 WAS GOOD FOR CONNECTIONS UNTIL THE EXTRA GAS FROM15248 TO 15280 - 13.8 LOSING FLOW AT SURFACE ON BOTTOMS UP - 14.0 = 8 BBL GAIN BUT HAS FULL FLOW AT ALL TIMES - SHOULD HAVE THE FRONTIER GOBBLED UP BY MORNING AND INTO THE DAKOTA SILT - THE FRONTIER CAME IN 31' EARY SO WE STILL MUST BE PRETTY DARN STRAIGHT - THAT IS A COMFORT
3/20/2007	06:00 - 12:00	6.00	DRL	1	DRILL FROM 15430 TO 15587
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	13:00 - 18:00	5.00	DRL	1	DRILL FROM 15587 TO 15708
	18:00 - 04:00	10.00	DRL	1	DRILL FROM 15708 TO 15840 - BIT SLOWING SAME AS OFF SET - WORKING BIT PERAMETERS TO KEEP DRILLING - HIT SAND FROM 15802 TO 15823 - WOKED WITH BIT AFTER BUT COULD NOT GET TO DRILL - PREPARE FOR TRIP OUT
	04:00 - 05:30	1.50	CIRC	1	CIRCULATE AND CONDITION HOLE WHILE READY RIG FOR TRIP - PREPARE SPOTTED WT. PILL FOR BOTTOM 1# OVER - GET SURVEY TOOL READY DROPPING
	05:30 - 06:00	0.50	CIRC	1	SPOT 1# OVER PILL ON BOTTOM = 56 BBLS
3/21/2007	06:00 - 07:00	1.00	SUR	1	DROP SURVEY TO BOTTOM - DEPTH = 15784 - 2.8 - 157.8
	07:00 - 07:30	0.50	CIRC	1	PUMP PILL AND SET TRIP TANK VALVES FOR TRIP OUT
	07:30 - 09:00	1.50	TRP	10	TRIP OUT TO SHOE
	09:00 - 09:30	0.50	BOP	1	PULL RT. HEAD
	09:30 - 15:30	6.00	TRP	10	TRIP FOR BIT AND MUD MOTOR
	15:30 - 17:00	1.50	TRP	1	HANDLE BHA - SWAP OUT MUD MOTORS AND BIT - FUNCTION ALL BOP EQUIPMENT AS PER BLM REQUIREMENTS
	17:00 - 18:00	1.00	TRP	2	START TRIPPING BHA IN TO HOLE
	18:00 - 23:30	5.50	TRP	2	TRIP IN TO HOLE - STAGING IN TO HOLE WITH A TRIP SPEED OF 120 - = 14% FLOW - FILL AT BHA - AND EVERY THREE ROWS TO SHOE OF 12400'
	23:30 - 00:00	0.50	BOP	1	INSTALL RT. HEAD
	00:00 - 01:00	1.00	RIG	6	CUT DRILL LINE
	01:00 - 02:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	02:00 - 05:30	3.50	TRP	2	TRIP IN - EVERY 10 STANDS IN SLOWLY AND FILL AND CIRCULATE TO SHOE TO BLEND IN UP THE HOLE
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE GAS OUT FROM TRIP
3/22/2007	06:00 - 07:30	1.50	CIRC	1	CIRCULATE GAS OUT - BOTTOMS UP = 5274 UNITS - 25' FLARE
	07:30 - 13:30	6.00	DRL	1	DRILL FROM 15840 TO 15880 - STARTED SLOW TO KEEP HOLE CLEAN
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:30 - 18:00	3.50	DRL	1	DRILL FROM 15880 15945
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 15945 TO 16090 - NO LOSSES AND HOLDING WT. AT 14.3 - HIT MORE GAS AT 15834 TO 15848 - DAKOTA SILT CAME IN AT 15874'
3/23/2007	06:00 - 15:00	9.00	DRL	1	DRILL FROM 16090 TO 16140 - BIT LOST ALL TORQUE
	15:00 - 16:30	1.50	TRP	10	HOOK UP TRIP TANK HOSE AND PULL 10 STANDS WET
	16:30 - 18:00	1.50	CIRC	1	CIRCULATE DOWN TIME GAS UP
	18:00 - 18:30	0.50	CIRC	1	SPOT 60 BBL 1# OVER 1000' OFF BOTTOM
	18:30 - 19:30	1.00	TRP	10	PULL PIPE UNTIL WET - 11 STANDS
	19:30 - 01:30	6.00	TRP	10	PUMP TRIP SLUG AND TRIP OUT

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Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/23/2007	01:30 - 02:30	1.00	TRP	1	LAY DOWN MUD MOTOR - BIT AND CROSS OVER
	02:30 - 06:00	3.50	TRP	2	TRIP BHA IN TO HOLE - FILL - FILL EVERY THREE ROWS WITH BOTTOMS UP AT 5800'
3/24/2007	06:00 - 08:00	2.00	TRP	2	FINISH TRIP TO SHOE - 12400'
	08:00 - 09:00	1.00	BOP	1	INSTALL NEW RT. HEAD AND GASKET
	09:00 - 10:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:00 - 11:30	1.50	TRP	2	TRIP TO TWO FROM BOTTOM AND KELLY UP
	11:30 - 12:30	1.00	REAM	1	SAFETY WASH AND REAM TO BOTTOM WHILE WAITING FOR BOTTOMS UP
	12:30 - 15:00	2.50	CIRC	1	STAYED AT 30 BBL GAIN WHILE GETTING BOTTOMS UP - GAS INCREASING ALONG WITH FLOW - SHUT WELL IN AND CIRCULATE OUT THRU CHOKE - TOTAL GAIN = 85 BBLS - RAISED MUD WT. TO 14.75
	15:00 - 18:00	3.00	DRL	1	DRILL FROM 16140 TO 16155 - 8' TO 10' FLARE ON BUSTER
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 16155 TO 16222 - SLOW FOOTAGE COORALATES WITH OFF SET - 80% SAND - NO METAL IN SAND - CHECKING WITH GEO. AND MUD LOGGERS ON LOGGING POINT
3/25/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 16222 TO 16240
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	09:00 - 14:30	5.50	DRL	1	DRILL FROM 16240 TO 16252 - BIT DIED - SWEEPS DID NOT WORK
	14:30 - 15:00	0.50	TRP	15	TRIP 10 STANDS WET FOR SHORT TRIP AND TO SPOT PILL
	15:00 - 15:30	0.50	CIRC	1	PUMP TRIP SLUG FOR SHORT TRIP
	15:30 - 18:00	2.50	TRP	15	TRIP 41 STANDS TO SHOE FOR SHORT TRIP - OK
	18:00 - 19:00	1.00	TRP	2	TRIP TO BOTTOM
	19:00 - 02:30	7.50	CIRC	1	CIRCULATE BOTTOMS UP FROM TRIP AND WT. MUD TO 15.0# FOR TRIP OUT FOR LOGS - 35 BBL GAIN WITH A 35' FLARE
	02:30 - 04:00	1.50	TRP	2	PUMP 20 BBL. TRIP SLUG AND TRIP 20 STANDS OUT FOR SPOTTING FIRST 1# ONER PILL
	04:00 - 06:00	2.00	CIRC	1	CIRCULATE OUT GAS FROM TRIPPING OUT 20 STANDS DOWN TIME - IN PREPARATION OF SPOTTING WT. PILL
3/26/2007	06:00 - 06:30	0.50	CIRC	1	SPOT 1# OVER PILL FROM 13597 TO 12400
	06:30 - 07:30	1.00	TRP	2	TRIP OUT 13 STANDS TO GET ON TOP OF PILL
	07:30 - 09:30	2.00	CIRC	1	CIRCULATE HOLE CLEAN TO PUMP TRIP SLUG
	09:30 - 14:30	5.00	TRP	2	TRIP OUT OF HOLE FOR LOGS - STRAPPING OUT
	14:30 - 15:00	0.50	BOP	1	PULL OLD RT. HEAD RUBBER AND INSTALL NEW ONE
	15:00 - 16:00	1.00	TRP	1	LAY DOWN BIT AND BIT SUB
	16:00 - 18:00	2.00	LOG	1	RIG UP LOGGERS - HALLIBURTON - FIRST RUN = POROSITY - SECOND RUN = RESITIVEITY
	18:00 - 06:00	12.00	LOG	1	STILL LOGGING - 2 FAILED RUNS ALREADY - HOLE DOING GREAT SO FAR - GAINED 1.2 BBLS TOTAL - WHICH SHOULD BE FROM CLEANING ALL THERE TOOLS ON ALL THESE EXRA RUNS - RIG STRAP = 16275 (WINDY) LOGGERS DEPTH = 16266
3/27/2007	06:00 - 07:00	1.00	LOG	1	RIG DOWN LOGGERS
	07:00 - 09:00	2.00	TRP	2	TRIP IN TO HOLE WITH BHA AND 1 ROW OF DRILL PIPE AND FILL PIPE
	09:00 - 09:30	0.50	BOP	1	INSTALL RT. HEAD
	09:30 - 10:30	1.00	TRP	2	TRIP 3 ROWS OF DRILL PIPE IN AND FILL
	10:30 - 11:30	1.00	CIRC	1	CIRCULATE BOTTOMS UP - 5600 STROKES - OK
	11:30 - 14:30	3.00	TRP	2	TRIP 3 MORE ROWS IN TO HOLE SLOWLY = 12100'
	14:30 - 16:00	1.50	RIG	6	CUT 120' OF DRILL LINE
	16:00 - 17:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	17:00 - 17:30	0.50	BOP	1	PULL OLD RT. HEAD AND INSTALL NEW ONE
	17:30 - 18:00	0.50	RIG	2	REPAIR C.O.M.
	18:00 - 19:00	1.00	CIRC	1	CIRCULATE UPPER WT. PILL TO 9.625 CASING - 4700 STROKES
	19:00 - 20:00	1.00	TRP	2	TRIP TO BOTTOM AND KELLY UP
	20:00 - 00:30	4.50	CIRC	1	CIRCULATE OUT BOTTOMS UP - TOTAL GAIN 35 BBLS WITH 35' FLARE -

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/27/2007	20:00 - 00:30	4.50	CIRC	1	STAYED ON BUSTER AND RAN EXTRA STROKES TO HOLD CIRCULATING PRESSURE
	00:30 - 01:30	1.00	TRP	2	TRIP OUT 19 STANDS
	01:30 - 03:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP AND SPOT 1# OVER WT. PILL - 65 BBLS - FROM 14354' TO 13000'
	03:30 - 04:00	0.50	TRP	2	TRIP 15 STANDS OUT TO GET ON TOP OF WT. PILL
	04:00 - 05:00	1.00	CIRC	1	SPOT 65 BBL 1# OVER PILL - FROM 12700' TO 11500'
	05:00 - 06:00	1.00	TRP	2	TRIP 15 STANDS TO GET ON TOP OF TOP WT. PILL - LAST 6 STANDS ARE WET - WILL CIRCULATE HOLE CLEAN OF ANY GAS - PUMP TRIP PILL AND LDDP - WHILE CIRCULATING HOLE CLEAN WE RIG UP LD CREW - THEY ARE ON LOCATION
3/28/2007	06:00 - 08:00	2.00	CIRC	1	CIRCULATING FROM SHOE WHILE RIGGING UP LAY DOWN EQUIPMENT
	08:00 - 15:00	7.00	TRP	3	LAY DOWN DRILL PIPE - TRIP TANK MONITOR HOLE
	15:00 - 18:00	3.00	TRP	2	LAY DOWN POLE AND TRIP 48 STANDS IN SLOWLY - VERY WINDY - WITH XT 39 PIPE THREADS HAVE TO BE STRAIGHT TO SCREW TOGETHER
	18:00 - 18:30	0.50	TRP	2	FINISH TRIPPING STANDS IN
	18:30 - 01:30	7.00	TRP	3	LAY DOWN DRILL PIPE AND BHA
	01:30 - 02:30	1.00	BOP	1	PULL WEAR BUSHING
	02:30 - 04:30	2.00	CSG	1	RIG UP CASING CREW - SWAP OUT BALES - CHANGE OUT SAVER SUB FOR FILL TOOL - HOLD SAFETY MEETING
	04:30 - 06:00	1.50	CSG	2	RUN CASING - CHECK FLOATS - OK - HOLE STAYING SILENT - HOLE FILL OK - NO FLOW
3/29/2007	06:00 - 09:00	3.00	CSG	2	RUN CASING 4 1/2" TO 4500'
	09:00 - 10:00	1.00	CIRC	1	FILL CASING AND CIRCULATE OUT TRIP SLUG OUT OF HOLE
	10:00 - 13:30	3.50	CSG	2	RUN CASING 4 1/2" TO 10,000'
	13:30 - 14:30	1.00	OTH		INSTALL ROTATING HEAD
	14:30 - 15:00	0.50	OTH		WORK ON CASING SLIP'S (SLIP DIES NOT IN SYNC)
	15:00 - 15:30	0.50	CSG	2	RUN CASING 4 1/2" TO 12,000'
	15:30 - 16:30	1.00	CIRC	1	FILL CASING AND CIRCULATE 1# OVER HEAVY PILL INTO 9 5/8" CASING
	16:30 - 18:00	1.50	CSG	2	RUN CASING 4 1/2" TO 13,600'
	18:00 - 21:00	3.00	CSG	2	RUN CASING 4 1/2" TAGGED BOTTOM (CIRCULATED LAST 3 JOINTS DOWN)
	21:00 - 21:30	0.50	CSG	1	RIG DOWN CASING CREW
	21:30 - 22:00	0.50	CMT	1	RIG UP CEMENTER'S (HALLIBURTON)
	22:00 - 02:00	4.00	CIRC	1	CIRCULATE BOTTOM'S UP AND CUT MUD WT BACK TO 14.8 PPG
	02:00 - 06:00	4.00	CMT	2	CEMENT 4 1/2" CASING (ESTIMATED CALCULATED CEMENT TOP IS BETWEEN 8000 TO 9000, 22 BBL.S CEMENT LEFT WHEN PRESSURE INCREASED OVER SIMULATION 8033 PSI, FLOAT CHECKED AND HELD SHUT IN WELL)DISPLACED 163 OUT OF 231 BBL
3/30/2007	06:00 - 06:30	0.50	CMT	1	RIG DOWN CEMENTERS/ HALLIBURTON
	06:30 - 18:00	11.50	WOT	1	WAIT ON CEMENT WHILE CLEANING MUD TANKS AND GET READY FOR RIG MOVE AND PICKING OF BOP (WINCH TRUCK WAS SNOWED IN ROAD WAS CLOSED)(CLEANING MUD TANKS/PREMIX,ROTATORY TOOLS OFF RIG FLOOR,INSPECT BHA,EMTIED BAR OUT OF UP RIGHT'S)
	18:00 - 22:00	4.00	CSG	7	HELD SAFETY MEETING AND RIGGED UP WINCHES TO PICK BOPE/NIPPLE DOWN BOPE WITH IPS/DOUBLE JACK STARTED PICK @ 22:00 PICKED WHERE STUDS CAME OUT OF WELL HEAD AND ONE CABLE SNAPPED. BOPE IS BEING HELD UP BY ONE CABLE AND 4 1/2" CASING
	22:00 - 03:00	5.00	OTH		WAIT ON NEW SET OF CABLES FROM ROCK SPRINGS TO RE-DRESS WINCHES/(RIG DOWN MUD TANKS, UNIONS/ELECTRIC)
	03:00 - 06:00	3.00	CSG	7	REDRESS WINCHES, PICK STACK AND PULL OUT BENT STUDS, CLEANED AND LOOKED AT WELL HEAD (LOOKED GOOD), SET BOP DOWN ON WELL HEAD/REAJUSTED WINCHES ON RIG FLOOR, PICK UP BOPE TO SET SLIPS
3/31/2007	06:00 - 06:30	0.50	CSG	7	SET SLIP'S WITH CAMERON 270,000 IN BOWL,

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/31/2007	06:30 - 07:30	1.00	CSG	7	SET DOWN BOPE AND RIG DOWN WINCHES
	07:30 - 08:30	1.00	OTH		LAY DOWN CASING JT AND LAY DOWN ELEVATORS/BAILS (LOAD OUT WITH CASING TO ROCK SPRINGS)
	08:30 - 18:00	9.50	OTH		RIG DOWN TOP DRIVE (PROBLEM BREAKING CONNECTIONS BREAKING IN WRONG SPOTS)/RIG DOWN MUD CLEANING EQUIPMENT/BAR HOPPERS,ACCUMULATOR LINES, CHOKE LINE,MONITORING WELL EVERY HALF HOUR GAINING 350PSI TO 850PSI AND BLEED BACK TO 500 PSI BLEEDS DOWN IN LESS THAN 30 SECONDS. RIG RELEASED 1800HR.S
	18:00 - 06:00	12.00	OTH		BROKE TOUR/WAITING ON DAY LIGHT DRY WATCHER MONITORING WELL EVERY HALF HOUR

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Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

43-047-34956

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/9/2007	07:00 - 13:30	6.50	TRP	9	SAFETY MEETING : MIRU IPS FB & IPS COIL UNIT TO DRILL OUT CMT IN CASING.
	13:30 - 16:50	3.33	TRP	9	RIH W / 1 3/4 COIL AND BHA COIL CONNECTOR (OD 2.88, ID 1.00, L .85) OIL JARS (OD 2.88 , ID 1.00 , L 7.10) MOTOR HEAD ASSY (OD 2.88 , ID 1.00 , L 2.63) MOTOR (OD 2.88 , ID N/A , L 12.56) X OVER (OD 3.125 , ID 1.00 , L .53) PDC MILL (OD 3.701 , ID 1.00 , L .51) TOTAL LENGTH = 24.18
	16:50 - 19:30	2.67	TRP	9	TAG CMT @ 10,175' , SOFT . TAG HARD CMT @ 10,320'. PUMP RATE 1.75 BPM
	19:30 - 06:00	10.50	DRL	6	INCREASE PUMP RATE TO 2 BPM. DRILL FROM 10,514' TO 12,250.
4/10/2007	06:00 - 08:20	2.33	TRP	9	SAFETY MEETING :PUMP RATE TO 2 BPM. @ 12,250' . PUULL UP TO 10,000' PSI UP TO 8,000 PSI BLOW TO PIT 2 TIMES .
	08:20 - 11:22	3.03	TRP	9	@ 12,250' . PUULL UP TO 10,000' PSI UP TO 8,000 PSI BLOW TO PIT 2 TIMES . PUMP SWEEP 5BBLS. RBIH START DRILLING AGAIN @ 2 BPM .
	11:22 - 13:30	2.13	TRP	9	PUMP 10 BBL SWEEP. POOH TO CHANGE MOTOR .
	13:30 - 18:30	5.00	TRP	9	CHANGE MOTOR TEST RBIH .BACK ON BOT @ 16:05 .RATE 2 BPM , 2 ' PM. DEPTH 12,768.
	18:30 - 06:00	11.50	DRL	6	DRILL FROM 12,768' TO 13,800'. DRAIN TANKS & CHANGE OUT WATER IN SYSTEM WHILE DRILLING.
4/11/2007	06:00 - 10:10	4.17	DRL	6	DRILL FROM 13,800' TO 14,045' PUMP SWEEP 10 BBLS. SWEEP ON BOT POOH SLOW.
	10:10 - 12:53	2.72	DRL	6	PUMP SWEEP 10 BBLS. SWEEP ON BOT POOH SLOW TO SURFACE CHANGE MOTOR.
	12:53 - 15:10	2.28	DRL	6	START BACK IN HOLE W NEW MOTOR AND DRAG BIT. DRILL FROM 14,045' TO 14,680'
	15:10 - 18:00	2.83	DRL	6	START DRILLING AGAIN AT 15:10 FROM 14,045' TO 14,620'.
	18:00 - 02:00	8.00	DRL	6	DRILL FROM 14,620' TO PBTD @ 16,220' C/T MEASUREMENT
	02:00 - 06:00	4.00	CIRC	1	PUMP 15 BBL GEL SWEEP & CIRCULATE HOLE CLEAN. PULL UP TO 12,250' PRESSURE UP TO 8,000 PSI & SURGE TO PIT 2 TIMES. RUN BACK TO PBTD @ 16,220'. PUMP 15 BBL GEL SWEEP FOLLOW WITH CLEAN 2% KCL WATER.
4/12/2007	06:00 - 10:10	4.17	DRL	6	POOH WITH COIL , LOADING HOLE WITH 2% KCL WATER. RD IPS COIL .
	10:10 - 11:30	1.33	OTH		DRAIN & CLEAN FLOW BACK TANKS & SPOT FRAC TANKS
	11:30 - 18:30	7.00	LOG	2	RIH W/ GR/CBL/CCL tag @15,440' Tag something hard POOH . RBIH With just gamma ray tag @ 15,558' . POOH
	18:30 - 23:00	4.50	LOG	2	RIH WGR/CBL/CCL tag @15,448' start logging from that point out to 4,000'. Cmt top @ 11,000' . Cmt to surface poor . POOH RD.
4/13/2007	06:00 - 10:00	4.00	LOG	4	WAIT ON WIRE LINE
	10:00 - 12:30	2.50	LOG	4	MIRU CUTTER WL RIH W / 1 13/16 JARS , SPANGS & 20' SINKER BAR. 1ST Run tag @ 15,448 a little sticky. Hammer 3 times move down to 15,572. Pull up to 15,200 , RBI hammer 5 times moved down to 15,630. Pull up to 15,000' ,RBI hammer 10 gto 15 times gain 0 footage. Total footage gain 182'
	12:30 - 12:54	0.40	LOG	4	POOH wait on instruction.
4/14/2007	09:00 - 17:30	8.50	LOG	4	MIRU E&E SL UNIT RUN IN HOLE WITH (JARS ,SPANGS ,17' SINKER BARS AND BAILER) RIH tag @ 15,615' hammer 4 to 5 times drop down to 15,671' .POOH dump bailer , cmt in bailer. RBIH tag @15,671' hammer twice drop down to 15,724' . POOH dump bailer , more cmt . RBIH tag at 15,724' hammer twice drop down to 16,230' . POOH

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Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: ENSIGN

Spud Date: 12/28/2006
Rig Release: 3/30/2007
Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/14/2007	09:00 - 17:30	8.50	LOG	4	dump bailer , RBIH to 16,220' hammer 6 times POOH dump bailer very little in side. POOH SDFN
4/15/2007	07:00 - 13:00	6.00	LOG	2	MIRU Cutters to finish logging RIH W / Gama ray 1 11/16 . POOH RBIH W / 2.5 EXP 6' GUN perf @ 16,178' to 16,184' shoot 24 holes . 3,000 psi after shooting POOH RD Cutters.
	18:00 - 23:45	5.75	PTST	2	Psi after shoot 3,000 .POOH & RD Cutters . Start FB @ 13:00 10 ck @ 5,100 psi . At 15:00 recovered 160 bbl water, flowing dry gas at 8,400 psi.Shut well in @ 18:00 wait on flare pit, PSI @ 10,000. Started flow back through IPS equip to pit @ 21:30 .On a 12 CK @ 9,800 psi.
4/16/2007	06:00 - 17:00	11.00	PTST	2	FLOWBACK TO FLARE PIT THROUGH IPS EQUIP . @ 17:00 PUT WELL TO SALES , 8000 PSI ON A # 10 CHOKE DRY GAS.
4/17/2007	06:00 - 06:00	24.00	PTST	2	FLOWBACK TO SALES THROUGH IPS EQUIP .
4/18/2007	06:00 - 06:00	24.00	PTST	2	FLOWBACK TO SALES THROUGH IPS EQUIP . RD IPS FLOW BACK EQUIPMENT.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side).

CONFIDENTIAL

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.: UTU-0803

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

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR [ ] Other

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: N/A

9. WELL NO.: GB 9D 27 8 21

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

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

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

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

At surface: NESE, SEC 27-T8S-R21E, 1891' FSL, 590' FEL

At top rod. interval reported below: NESE, SEC 27-T8S-R21E, 1891' FSL, 590' FEL

At total depth: NESE, SEC 27-T8S-R21E, 1891' FSL, 590' FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC 27-T8S-R21E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-34956		UINTAH	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
3/15/05	3/24/07	4/16/07	KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
16,252'	16,220' As of 4/11/07		⟶	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
16178' – 16184' - DAKOTA

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CBL, SPECTRAL DENSITY DSN & HRI

27. WAS WELL CORED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13- 3/8"	54.5#	526'	17-1/2"	635 SXS	
9-5/8"	47#	8,584'	12-1/4"	1,470 SXS	
4-1/2"	15.1#	16,252'	6-1/8"	1,310 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7"	8047'	12,399'	800 sxs	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A	N/A	

31. PERFORATION RECORD (*Interval, size and number*)
16178' – 16184' - DAKOTA

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping--size and type of pump*)	WELL STATUS (*Producing or shut-in*)
4/16/07	FLOWING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ⟶	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
4/23/07	24	12		1	6771	8	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ⟶	OIL--BBL.	GAS--MCF.	WATER--BBL	OIL GRAVITY-API (CORR.)
N/A	6212					

RECEIVED
JUL 25 2007
DIV OF OIL, GAS & MINING

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
WELLBORE SCHEMATIC

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

SIGNED JIM SIMONTON Jim Simonton (dfc) TITLE COMPLETION SUPERVISOR DATE 7/17/07

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

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

PRIVACY ACT

CONFIDENTIAL

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
UINTA	SURFACE		
GREEN RIVER	2392'		
WASATCH	5677'		
MESAVERDE	8625'		
BLACKHAWK	11390'		
MANCOS SHALE	11790'		
MANCOS B	12205'		
FRONTIER	14905'		
DAKOTA SILT	15805'		
DAKOTA SS	16005'		
TD	16252'		

THIS WELL STILL NEEDS TO RUN LOGS AND LAND TBG.

38. GEOLOGIC MARKERS
GB 9D 27 8 21

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
UINTA	SURFACE	
GREEN RIVER	2392'	
WASATCH	5677'	
MESAVERDE	8625'	
BLACKHAWK	11390'	
MANCOS SHALE	11790'	
MANCOS B	12205'	
FRONTIER	14905'	
DAKOTA SILT	15805'	
DAKOTA SS	16005'	
TD	16252'	

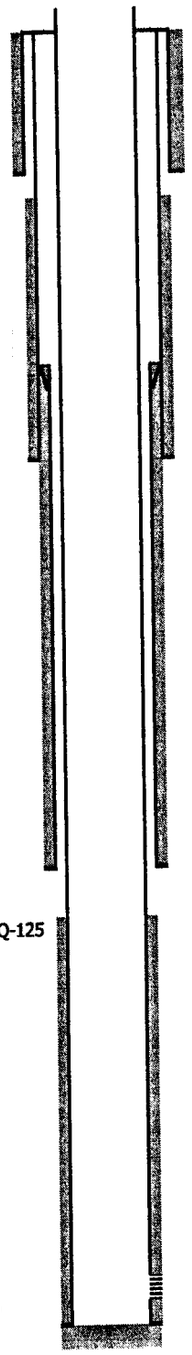
FIELD:	**Natural Buttes**	GL: 4,782 ' KBE: 4,803 '	Spud Date 12/13/06 Completion date:
		As of 4/11/07	
Well:	**GB 9D-27-8-21**	TD: 16,252 ' PBTD: 16,220 '	Current Well Status: Producing

Location - surface: 1891' FSL, 590' FEL, NESE Sec. 27, T8S, R21E
Location - bottom hole: Same
API#:43-047- 34956 Uintah County, Utah

Reason for Pull/Workover Initial completion

Deviation:

Wellbore Schematic



Surface casing
Size: 13-3/8"
Weight: 54.5#
Grade: J-55
Set @ 526
Cmtd w/ 635 sx
Hole size: 17-1/2"

Intermediate Casing
Size: 9-5/8"
Weight: 47#
Grade: HCP-110
Set @ 8584
Cmtd w/ 1470 sx
Hole size: 12-1/4"

Intermediate Liner
Size: 7"
Weight: 29#
Grade: HCP-110
Hanger @ 8,047'
Set @ 12,399'
Cmtd w/ 800 sx
Hole size: 8-1/2"

Production Casing
Size: 4-1/2"
Weight: 15.1#
Grade: P-110 & Q-125
Set @ 16,252'
Cmtd w/ 1310 sx
Hole size: 6-1/8"

TOC ~10,000'

OPEN PERFS
Dakota 16,178-84'

TD @ 16252 '

Cleaned out to 16,210'

Tubing Landing Detail:

Description	Size	Footage	Depth
KB		22.00	22.00
			22.00
			22.00
			22.00
			22.00
			22.00
EOT @			**22.00**

Tubing Information:
Condition:
New: ____ Used: ____ Rerun: ____
Grade:
Weight (#/ft):

Wellhead Detai Example: 7-1/16" 3000#
4-1/16" 15,000#

Other:
Hanger: Yes X No

SUMMARY

Prepared By: Mike Stahl Date: 7-16-07

CONFIDENTIAL

CONFIDENTIAL

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
UTU 0803

6. If Indian, Allottee or Tribe Name
Ute Tribe

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

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
GB 9D-27-8-21

2. Name of Operator **Questar Exploration and Production Inc.**

9. API Well No.
43-047-34956

3a. Address
1050 17th Street, Suite 500 Denver, CO 80265

3b. Phone No. *(include area code)*
303 308-3068

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1891' FSL, 590' FEL, NESE, Sec 27-T8S-R21E

11. County or Parish, State
Uintah County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **Well status**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted per the August 23, 2007 written order of the authorized officer received by Questar from your office on August 27, 2007.

The North Duck Creek 9M-27-8-21 appears on your list. Questar Exploration and Production Company (QEP) is responding to notify you that QEP subsequently changed the well name and has drilled this well as the GB 9D-27-8-21. The well reached total depth of 16,252' on 3/24/07 and has been completed.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* **Debra K. Stanberry** Title **Supervisor, Regulatory Affairs**

Signature Date **10/16/2007**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

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

(Instructions on page 2)

RECEIVED
OCT 25 2007
DIV. OF OIL, GAS & MINING

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **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
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **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:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached	
7. UNIT or CA AGREEMENT NAME: See attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: See attached
2 NAME OF OPERATOR: Questar Exploration and Production Company N5085	9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 672-6900	10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL: FOOTAGES AT SURFACE: See attached / QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Attached / STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ 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~~ 965010695
BIA Bond Number: ~~799446~~ 965010693

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

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

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

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

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
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	twp	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	

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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
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well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
SU 16W-5-8-22	05	080S	220E	4304734446	13654	Federal	GW	P	
SU 2W-5-8-22	05	080S	220E	4304734455	13700	Federal	GW	P	
SU 10W-5-8-22	05	080S	220E	4304734456	13540	Federal	GW	P	
WV 16W-8-8-22	08	080S	220E	4304734470	13508	Federal	GW	P	
OU GB 16WX-30-8-22	30	080S	220E	4304734506	13431	Federal	GW	P	
OU GB 1W-19-8-22	19	080S	220E	4304734512	13469	Federal	GW	P	
OU GB 2W-19-8-22	19	080S	220E	4304734513	13461	Federal	GW	P	
OU GB 5W-19-8-22	19	080S	220E	4304734514	13460	Federal	GW	P	
OU GB 7W-19-8-22	19	080S	220E	4304734515	13462	Federal	GW	P	
OU GB 8W-19-8-22	19	080S	220E	4304734516	13489	Federal	GW	P	
OU GB 11W-19-8-22	19	080S	220E	4304734517	13467	Federal	GW	P	
OU GB 16W-19-8-22	19	080S	220E	4304734522	13476	Federal	GW	P	
OU GB 1W-30-8-22	30	080S	220E	4304734528	13487	Federal	GW	S	
OU GB 3W-30-8-22	30	080S	220E	4304734529	13493	Federal	GW	P	
OU GB 6W-30-8-22	30	080S	220E	4304734530	13519	Federal	GW	P	
OU GB 7W-30-8-22	30	080S	220E	4304734531	13494	Federal	GW	P	
OU GB 8W-30-8-22	30	080S	220E	4304734532	13483	Federal	GW	P	
OU GB 9W-30-8-22	30	080S	220E	4304734533	13500	Federal	GW	P	
OU GB 6W-19-8-22	19	080S	220E	4304734534	13475	Federal	GW	P	
OU GB 10W-19-8-22	19	080S	220E	4304734535	13479	Federal	GW	P	
OU GB 13W-19-8-22	19	080S	220E	4304734536	13478	Federal	GW	P	
OU GB 14W-19-8-22	19	080S	220E	4304734537	13484	Federal	GW	P	
OU GB 15W-19-8-22	19	080S	220E	4304734538	13482	Federal	GW	P	
OU GB 12W-17-8-22	17	080S	220E	4304734542	13543	Federal	GW	P	
OU GB 6W-17-8-22	17	080S	220E	4304734543	13536	Federal	GW	P	
OU GB 13W-17-8-22	17	080S	220E	4304734544	13547	Federal	GW	P	
OU GB 6W-29-8-22	29	080S	220E	4304734545	13535	Federal	GW	P	
OU GB 3W-29-8-22	29	080S	220E	4304734546	13509	Federal	GW	P	
OU GB 13W-29-8-22	29	080S	220E	4304734547	13506	Federal	GW	P	
OU GB 4W-29-8-22	29	080S	220E	4304734548	13534	Federal	GW	P	
OU GB 5W-29-8-22	29	080S	220E	4304734549	13505	Federal	GW	P	
OU GB 14W-17-8-22	17	080S	220E	4304734550	13550	Federal	GW	P	
OU GB 11W-17-8-22	17	080S	220E	4304734553	13671	Federal	GW	P	
OU GB 14W-29-8-22	29	080S	220E	4304734554	13528	Federal	GW	P	
OU GB 2W-17-8-22	17	080S	220E	4304734559	13539	Federal	GW	P	
OU GB 7W-17-8-22	17	080S	220E	4304734560	13599	Federal	GW	P	
OU GB 16W-18-8-22	18	080S	220E	4304734563	13559	Federal	GW	P	
OU GB 1W-29-8-22	29	080S	220E	4304734573	13562	Federal	GW	P	
OU GB 7W-29-8-22	29	080S	220E	4304734574	13564	Federal	GW	P	
OU GB 8W-29-8-22	29	080S	220E	4304734575	13609	Federal	GW	S	
OU GB 9W-29-8-22	29	080S	220E	4304734576	13551	Federal	GW	P	
OU GB 10W-29-8-22	29	080S	220E	4304734577	13594	Federal	GW	P	
OU GB 15W-29-8-22	29	080S	220E	4304734578	13569	Federal	GW	P	
OU GB 2W-20-8-22	20	080S	220E	4304734599	13664	Federal	GW	P	
OU GB 2W-29-8-22	29	080S	220E	4304734600	13691	Federal	GW	P	
OU GB 15W-17-8-22	17	080S	220E	4304734601	13632	Federal	GW	P	
OU GB 16W-17-8-22	17	080S	220E	4304734602	13639	Federal	GW	P	
OU GB 16W-29-8-22	29	080S	220E	4304734603	13610	Federal	GW	P	
OU GB 1W-20-8-22	20	080S	220E	4304734604	13612	Federal	GW	P	
OU GB 1W-17-8-22	17	080S	220E	4304734623	13701	Federal	GW	P	
OU GB 9W-17-8-22	17	080S	220E	4304734624	13663	Federal	GW	P	

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

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

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

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 Roger 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

Federal Approval of this Action is Necessary

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-0803

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.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GB 9D-27-8-21

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

9. API NUMBER:
43047349560000

3. ADDRESS OF OPERATOR:
11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER:
303 308-3068 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1891 FSL 0590 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 27 Township: 08.0S Range: 21.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/8/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	✓ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Between 7/25/11 - 7/29/11 - QEP Energy Company performed the following work on the GB 9D-27-8-21. 1. Initial finding that 4 ½" casing was parted and 2 3/8" tubing had dropped to the bottom of the well. 2. Fished and replaced the top joint of 4 ½" casing. 3. Fished and replaced all 2 3/8" tubing.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		**DATE**
N/A		8/8/2011

RECEIVED Aug. 08, 2011

Federal Approval of this Action is Necessary

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047349560000

Work done prior to submittal of sundry notice.

RECEIVED Aug. 08, 2011

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: GB 9D-27-8-21

2. NAME OF OPERATOR: QEP Energy Company

9. API NUMBER: 4304734956

3. ADDRESS OF OPERATOR: 1050 17th St. Ste. 500 CITY Denver STATE CO ZIP 80265

PHONE NUMBER: (303) 672-6900

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1891 FSL, 590 FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 27 8S 21E S

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☑ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☑ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 8/3/2011	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

QEP Energy Company performed work on the GB 9D-27-8-21 as outlined in the NOI submitted on 8/8/11. QEP replaced the top joint of 4-1/2" casing and all of the 2-3/8" tubing.

For technical questions, please contact Kirk Fleetwood at 435-781-4341. For administrative questions contact Morgan Anderson at 303-308-3060. Thanks.

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 8/9/2011

(This space for State use only)

RECEIVED
AUG 15 2011
DIV. OF OIL, GAS & MINING

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

QEP ENERGY

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: BASIN WELL SERVICE

Spud Date: 12/28/2006
Rig Release:
Rig Number: 2

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/25/2011	15:30 - 16:30	1.00	LOC	3	MRI
	16:30 - 18:00	1.50	LOC	4	RU,CHANGE EQUIP OVER F/RODS TO 2 3/8 TBG, SPOT EQUIP IN
	18:00 - 19:30	1.50	TRAV	1	TRAVEL
7/26/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL
	07:00 - 07:15	0.25	RIG	7	SAFETY MEETING, SNAKES,
	07:15 - 10:00	2.75	WCL	2	CHECK PRESS SICP 137 PSI, FTB 140 PSI, BLEED CSG TO PRODUCTION TK, BLEED DOWN TBG TO FLAT TANK, ND WELL HEAD, NU BOPS, RD FLOOR, PU ON HANGER ONLY WEIGHING 1000# POOH WITH 1 JT PULLED TO 20,000# , POOH W/ 7 JTS 7TH JT PIN PARTED,
	10:00 - 12:30	2.50	OTH		ND BOPS, LOOKED INSIDE WELL HEAD, CAMRON INSPECTED WELL HEAD,
	12:30 - 15:30	3.00	OTH		ND TBG HEAD, TOO CHECK OUT THE CSG CSG MOVED 1/4 OF AN INCH, NU TBG HEAD. CWI LEFT OPEN TOO FLOW LINE, SDFD
	15:30 - 17:00	1.50	TRAV	1	TRAVEL.
7/27/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFTY MEETING, FISHING CSG & TBG.
	07:15 - 10:00	2.75	OTH		CHECK PRESS, FCP 137 PSI BLEED DOWN TO PRODUCTION TK, RU PUMP PUMPED 50 BBLS 2% KCL DOWN TBG, ND TBG HEAD, RU CAMERONS CUTTER CUT 2" OFF CSG, PU FISHING SPEAR. LATCHED ONTO CSG, PU ON CSG POOH W/ 1 JT OF 4 1/2 CSG 34' LONG.
	10:00 - 11:00	1.00	BOP	1	PU BOPS NU BOBS, RD FLOOR, CHANGE EQIP OVER TO 2 7/8 TBG.
	11:00 - 18:30	7.50	TRP	14	PU IMPRESSION BLOCK,2 JTS 2 7/8 TBG TAGGED CSG, POOH W/ 2 JTS 2-7/8 TBG, & IMPRESSION BLOCK, LOOKED AT IMPRESSION BLOCK, PU CSG FISHING TOOLS, RIH W/ 20' WASH PIPE &4-7/16 GRAPPLE, DIDNT WORK POOH PU 4-3/4 GRAPPLE & 3' OFF WASH PIPE, LATCHED ONTO FISH WORKED ON FISH, RU WIRE LINE RIH W/ SRING SHOT NOTHING, POOH W/ 2ND STRING SHOT DIDNT COME LOOSE, POOH W/ WIRE LINE, PU 3RD SRING SHOT DIDNT WORK, POOH W/WIRE LINE,GOT OFF FISH LD 2 JTS 2-7/8 LD FISHING TOOL CWI PUMP TOTAL OF 75 BBLS 2% KCL TODAY SDFD.
	18:30 - 20:00	1.50	TRAV	1	TRAVEL.
7/28/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFTY WELL CONTROLE.
	07:15 - 08:00	0.75	WCL	2	CHECK PRESS FCP @ 126 PSI BLEED CSG DOWN TOO PRODUCTION TK,
	08:00 - 11:30	3.50	CSG	1	RU CSG HAND, PU 3-1/2 DRILL PIPE, MAKE UP DRILL PIPE W/ 8000# TORQUE, PU GRAPPLE MADE UP W/ 6000# TORQUE, LD FULL FISH STRING ON GROUND, TACKED EACH BREAK WITH WEILDER.
	11:30 - 15:00	3.50	TRP	2	PU FISHING STRING, RIH TAG FISH TOP 42' IN, WORKED FISH TOP LATCHED ONTO FISH, RU LONE WOLF WIRELINE, RIH W/ STRING SHOOT TO 345', WORKED FISH TO THE LEFT, SEEMED LIKE CSG LOOSE. SWITCHED OVER TONGS, TURN CSG TO THE RIGHT TORQUED UP, SWITCHED OVER TONGS, TURN CSG TOO THE LEFT W/ 10,000# PULLED INTO CSG, SCREWED CSG TO THE LEFT, WEIGHT BLEED DOWN TOO 3000#, STRING WIEGHT WAS 2500#, CAME UP ON CSG 3' POOH W/ WIRELINE W/ COLLER LOCATOR ON, COLLER LOCATOR SHOWS 4' DIFFRENCE THEN RUNNING IN THE HOLE, LD WIRE LINE TOOLS, POOH W/ WORK SRING LD, & 1 JT OF CSG 44'.
	15:00 - 20:30	5.50	CSG	6	CHANGE TBG EQUIP OVER TO CSG EQUIP, PU RIH W/ 3 JTS 4-1/2 CSG, TORQUE UP TO 4400# OF TORQUE, ND BOPS, NIPPLE DOWN SPOOLS, TAGGED CSG SCREWED ONTO CSG PU 112,000 SET CSG SLIPS @ 112,000 PULLED INTO CSG, RU CAMERON CUT CSG OFF TO 7" SHOWING, LD 38.65 3RD CSG, TOTAL DEPTH RIH 86', PU TBG HEAD, NU TBG HEAD, TEST TBG HEAD, W/ 8000# ON PACKING & 8000# ON SLIPS TEST WAS GOOD WATCHED FOR LEAKS, PU BOPS, NU BOPS, NU FLOW LINE TO SALES LINE, SENT GAS DOWN SELLS LINE, SDFD,

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: BASIN WELL SERVICE

Spud Date: 12/28/2006
Rig Release:
Rig Number: 2

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/28/2011	15:00 - 20:30	5.50	CSG	6	
	20:30 - 22:00	1.50			TRAVEL.
7/29/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFETY MEETING "FIRE CNTROLE"
	07:15 - 09:30	2.25	FISH	5	CHECK PRESS, FCP @ 25# PSI 9-5/8 PRESS @ 300 PSI, RD FLOOR, CHANGE EQUIP OVER F/ CSG TOO 2-3/8 TBG, PU MAKE UP FISHING TOOLS, RIH OUT OF DERRICK 6 JTS P 110, PU 7 JTS P 110 TAGGED @ 389' IN, WORKED ON FISH, LATCHED ONTO FISH, PU TOO 90,000#, WORKED PIPE UP AND DOWN, TBG PULLED FREE.
	09:30 - 10:00	0.50	TRP	4	POOH LD 7 JTS 2-3/8 P 110, POOH W/ 6 JTS P110 IN THE DERRICK, LD 1 JT FISH TOP AND TOOLS 3-1/16 GRAPPLE, 2-3/4 STOP. RU WIRELINE CREW.
	10:00 - 12:00	2.00	OTH		RU WIRELINE CREW, TO PULL TBG PLUG TAGGED @ 6384', WORKED ON PLUG W/ WIRELINE UP AND DOWN TO LATCH ON PLUG, COULDN'T LATCH ON TO PLUG, POOH W/ WIRE LINE
	12:00 - 14:30	2.50	RIG	2	RIG REPAIR. FIX DRUM. NO/CHARGE
	14:30 - 17:00	2.50	TRP	2	TOOH W/ 160 JTS 2.3/8 TBG P-110 CWI OPEN CSG TOO THE SALES LINE SDFD
	17:00 - 18:30	1.50			TRAVEL.
8/1/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFTY MEETING LD TBG, LOADING AND LIFTING OBJECTS.
	07:15 - 08:00	0.75	WCL	1	CHECK PRESS FCP @ 380# PSI,9-5/8 CSG @ 920# PSI, SITP 0#, BLEED DOWN CSG TO PRODUCTION TK, LOAD UP SPOOLS AND DRILL PIPE FOR GRACO.
	08:00 - 19:00	11.00	TRP	2	POOL W/ 9037', TBG WET, 286 JTS, 2-3/8 TBG P-110. LD 249 JTS P-110 1ST FLOAT, PIPE IS CORK SCREWED. LD 150 JTS 2-3/8 L-80 ON 2ND FLOAT, RIH OUT OF DERRICK LD 94 JTS 2-3/8 P-110 ON FLOAT, HAVE 16 JTS 2-3/8 P-110 GOOD, TOTAL JTS ON 2ND FLOAT 243 JTS. TOTAL BAD JTS 2-3/8, 493 JTS SENT TO RED WASH. TOTAL JTS OUT OF HOLE 509 JTS 2-3/8 TBG, 359 JTS P-110, 150 JTS L-80. CLOSED BLIND RAMS, OPEN CSG TO SALES LINE OVER NIGHT, SDFD @ 1900.
	19:00 - 20:30	1.50	TRAV	1	TRAVEL.
8/2/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFETY MEETING: TRAVEL TOO AND FROM LOCATION.
	07:15 - 08:00	0.75	WCL	2	CHECK PRESS, FCP @ 350 # PSI, 9-5/8 PRESS 1300# PSI, BLEED DOWN CSG TOO PRODUCTION TK.
	08:00 - 18:30	10.50	TRP	1	PU, TALLY RIH W/ NOTCH COLLAR, F-NIPPLE, 205 JTS L-80 2-3/8 TBG @ 6483.91. RIH W/ 16 P-110 OUT OF DERRICK @ 507.77. PU RIH W/ 146 JTS P-110 OFF FLOAT, EOT @ 11701', CWI, OPEN CSG DOWN THE SALES LINE, SDFD@ 18:30 RIH W/ TOTAL 367 JTS 2-3/8 TBG.
	18:30 - 20:00	1.50			TRAVEL.
8/3/2011	05:30 - 07:00	1.50	TRAV	1	TRAVEL.
	07:00 - 07:15	0.25	RIG	7	SAFETY MEETING, PU PIPE
	07:15 - 08:00	0.75	WCL	2	CHECK PRESS, FCP @ 350# SITP @ 300# PSI, PSI 9-5/8 @ 1400# PSI. BLEED DOWN CSG TOO PRODUCTION TK BLEED DOWN TBG TOO FLAT TK.
	08:00 - 10:30	2.50	TRP	5	PU TALLY RIH W/ P-110 2-3/8 TBG TO 16071.55. RIH W/ TOTAL OF 2-3/8 COLLAR .40 NIPPLE 1.81 .91 JTS 2-3/8 1.995,1.901,L-80,TBG 6483.91 16-JTS,2-3/8,1.995,1.901,P-110,OLD STRING 507.77 284-JTS,2-3/8,1.995,1.901,P110,NEW 9057.56 2-3/8 TBG HANGER .85 21.00 HANGER LAND TBG @ 16072' 75,431# WEIGHT.

Operations Summary Report

Well Name: GB 9D-27-8-21
Location: 27- 8-S 21-E 26
Rig Name: BASIN WELL SERVICE

Spud Date: 12/28/2006
Rig Release:
Rig Number: 2

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/3/2011	08:00 - 10:30	2.50	TRP	5	
	10:30 - 11:00	0.50	BOP	1	RU FLOOR, ND BOPS,
	11:00 - 12:00	1.00	WHD	2	PU, NU TREE, "WELL HEAD" LOAD CSG JTS AND PIPE ON TRAILER,
	12:00 - 13:00	1.00	LOC	3	RD, CLEAN LOCATION AND WELL HEAD, RACK OUT PUMP, MOVE RIG TO RW 24-22B. END REPORT