

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:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL		5. Lease Serial No. UTU-0803
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name UTE TRIBE
2. Name of Operator SHENANDOAH ENERGY INC.		Contact: RALEEN SEARLE E-Mail: raleen.searle@questar.com		7. If Unit or CA Agreement, Name and No.
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078		3b. Phone No. (include area code) Ph: 435.781.4309 Fx: 435.781.4329		8. Lease Name and Well No. NORTH DUCK CREEK 3M-27-8-21
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NENW 667FNL 1985FWL At proposed prod. zone		4439619Y 40.09958 624305X - 109.54170		9. API Well No. 43-047-34900
14. Distance in miles and direction from nearest town or post office* 8 +/- MILES FROM OURAY,, UT		15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 667' +/-		10. Field and Pool, or Exploratory NATURAL BUTTES
16. No. of Acres in Lease 1280.00		17. Spacing Unit dedicated to this well 40.00		11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T8S R21E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2000' +/-		19. Proposed Depth 12700 MD		12. County or Parish UINTAH
20. BLM/BIA Bond No. on file UT-1237		21. Elevations (Show whether DF, KB, RT, GL, etc.) 4802 KB		13. State UT
22. Approximate date work will start		23. Estimated duration 30 DAYS		

24. Attachments

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

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

25. Signature <i>Raleen Searle</i>	Name (Printed/Typed) RALEEN SEARLE	Date 02/14/2003
Title REGULATORY AFFAIRS ANALYST		
Approved by (Signature) <i>Bradley Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 02-26-03
Title 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 #18502 verified by the BLM Well Information System
For SHENANDOAH ENERGY INC., sent to the Vernal

RECEIVED
FEB 18 2003

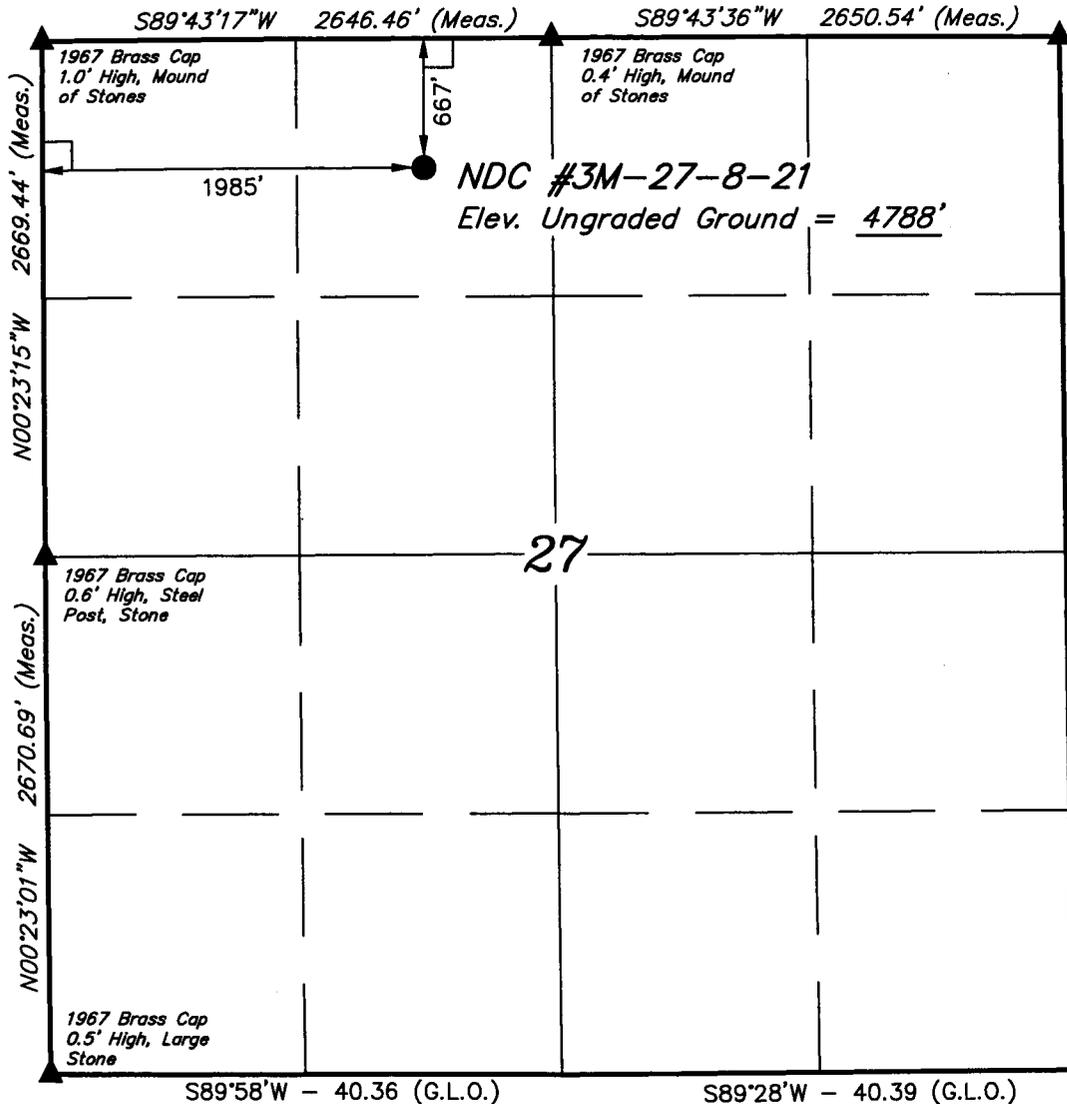
DIV. OF OIL, GAS & MINING

** ORIGINAL **

SHENADOAH ENERGY, INC.

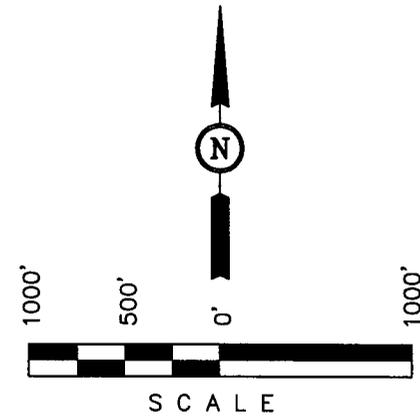
T8S, R21E, S.L.B.&M.

Well location, NDC #3M-27-8-21, located as shown in the NE 1/4 NW 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.



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.

Robert A. Hay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

LEGEND:

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

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

(NAD 83)

LATITUDE = 40°05'58.94" (40.099706)

LONGITUDE = 109°32'32.47" (109.542353)

SCALE 1" = 1000'	DATE SURVEYED: 02-03-03	DATE DRAWN: 02-04-03
PARTY D.A. J.A. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE SHENADOAH ENERGY, INC.	

SHENANDOAH ENERGY INC.
NORTH DUCK CREEK 3M-27-8-21
667' FNL, 1985' FWL
NENW, 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 then 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 stockpiled 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:

<u>Formation</u>	<u>Depth</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	
Green River	2467'	
Mahongy	3187'	
Wasatch	5822'	
Mesa Verde	8770'	
Black Hawk	11535'	
Mancos B	12350'	
TD	12700'	

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Mancos	12700'

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. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, 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 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
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	5822'	12 -1/4"	9- 5/8"	S-95	40lb/ft (new) LT&C
Production (new)LT&C	11400'	8 -1/2"	4 -1/2"	HCP-110seamless	11.6lb/ft
Production LT&C	12700' -	8 -1/2"	4 -1/2"	P-110 seamless	13.5lb/ft (new)

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually

DRILLING PROGRAM

5. Auxiliary Equipment

- A. Kelly Cock – yes
 - B. Float at the bit – no
 - C. Monitoring equipment on the mud system – visually
 - D. Full opening safety valve on the rig floor – yes
 - E. Rotating Head – yes
 - 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.

DRILLING PROGRAM

6. Testing, logging and coring program

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

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

- C. Formation and Completion Interval: 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

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
---------------	---------------	-----------------------------

See attached cement 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

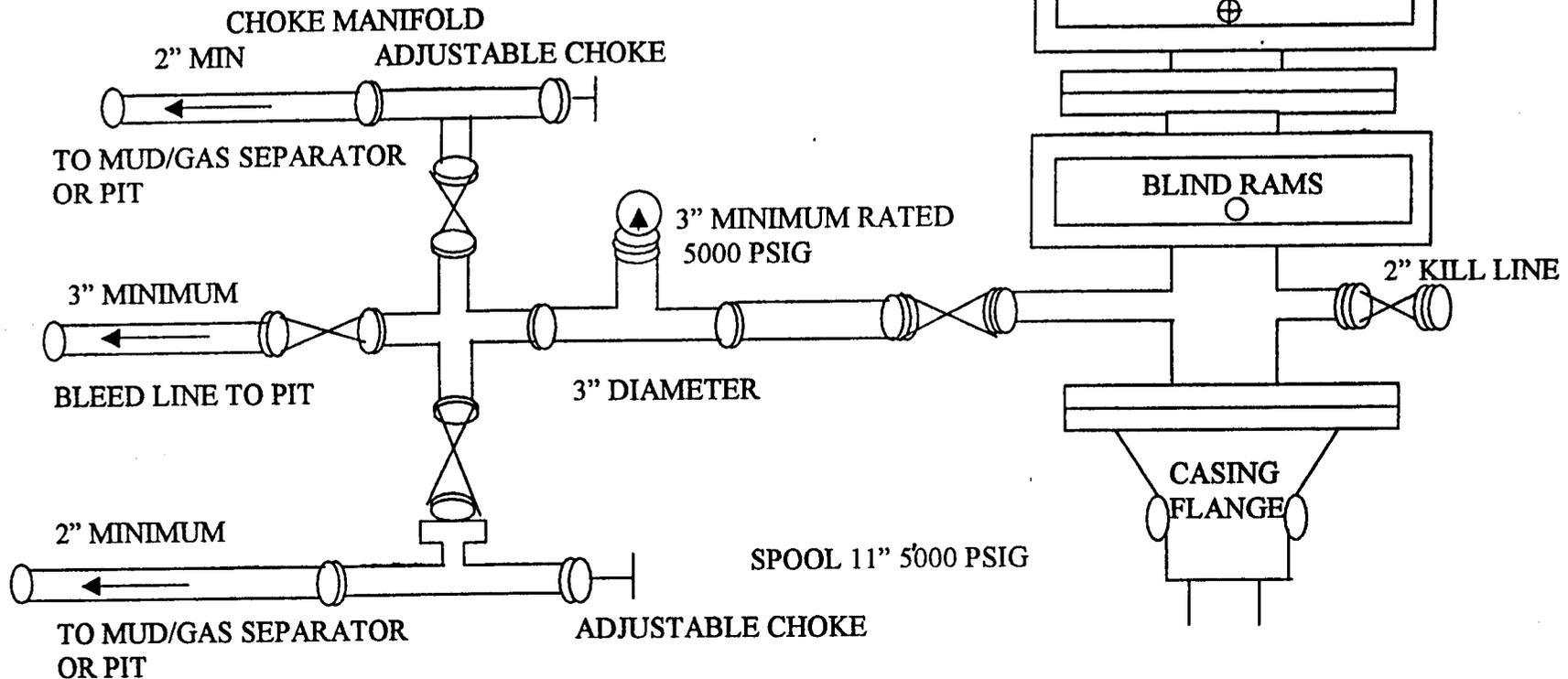
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5080.0 psi. Maximum anticipated bottom hole temperature is 140° F.

5000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED.
 CASING FLANGE IS 11" 5000 PSIG RATED.
 BOPE 11" 5000 PSIG

TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig.
3. Annular preventor will be tested to 50% of working pressure, 2500 psig.
4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications.



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

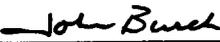
Certification:

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
Red Wash Operations Representative

February 13, 2003

Date

Under the Federal regulations in effect as of June 15, 1988, an operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

"Please be advised that SHEANDOAH ENERGY INC is considered to be the operator of Well No. NDC 3M-27-8-21 1/4 NENW 1/4, Section 27 Township 8S, Range 21E Lease UT-0803; UINTAH County, UT; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by UT-1237."

125-7

Additional Operator Remarks:

Shenandoah Energy Inc. proposes to drill a well to 12,700' to test the Mancos. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see the attached drilling program for casing and cementing information.

See Onshore Order No. 1 attached.

Please be advised that Shenandoah Energy Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. UT-1237. The principal is Shenandoah Energy via surety as consent as provided for the 43 CFR 3104.2.



Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, Colorado 80202

NDC 3M 27-8-21

Uintah County, Utah
United States of America

Cementing Recommendation

Prepared for: Mr. Darryl Knopp
February 13, 2003
Version: 1

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

HALLIBURTON

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

Foreword

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

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

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

Prepared by: _____
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 3M 27-8-21

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 %

Calculations**13 3/8" Surface**

Spacer:

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

Cement : (700.00 ft fill)

$$\begin{aligned} 700.00 \text{ ft} * 0.6946 \text{ ft}^3/\text{ft} * 50 \% &= 729.37 \text{ ft}^3 \\ \text{Primary Cement} &= 729.37 \text{ ft}^3 \\ &= 129.91 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.868 \text{ ft}^3/\text{ft} &= 36.45 \text{ ft}^3 \\ &= 6.49 \text{ bbl} \\ \text{Tail plus shoe joint} &= 765.82 \text{ ft}^3 \\ &= 136.40 \text{ bbl} \\ \text{Total Tail} &= 649 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 700.00 \text{ ft} * 0.868 \text{ ft}^3/\text{ft} &= 607.58 \text{ ft}^3 \\ &= 108.21 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 108.21 \text{ bbl} - 6.49 \text{ bbl} \\ &= 101.72 \text{ bbl} \end{aligned}$$

Job Recommendation

13 3/8" Surface

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: 1.18 ft³/sk
Total Mixing Fluid: 5.25 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 700 ft
Volume: 136.40 bbl
Calculated Sacks: 649.00 sks
Proposed Sacks: 650 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	650 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" Number of Units	80 1	MI	4.41	352.80	47%	186.98
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	2.60	208.00	47%	110.24
16091	ZI - PUMPING CHARGE DEPTH FEET/METRES (FT/M)	1 700 FT	EA	2,405.00	2,405.00	47%	1,274.65
Equipment & Services							
SubTotal				USD	2,965.80	47.0%	1,571.87
100003167	PLUG - CMTG - TOP PLASTIC - 13-3/8	1	EA	510.00	510.00	47%	270.30
100005048	HOWCO GEL	4	SK	26.44	105.76	47%	56.05
100003684	PREMIUM PLUS V CEMENT	650	SK	17.58	11,427.00	47%	6,056.31
100005053	CALCIUM CHLORIDE	16	SK	122.40	1,958.40	47%	1,037.95
100005049	FLOCELE	163	LB	2.71	441.73	47%	234.12
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 31.24	MI	1.51	1,886.90	47%	1,000.05
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	680 1	CF	2.47	1,679.60	47%	890.19
Materials							
SubTotal				USD	18,009.39	47.0%	9,544.97
100004730	SHOE,GID,13 3/8 8RD,CEM	1	EA	489.00	489.00	42%	283.62
100004705	V ASSY,INSR FLOAT,13 3/8,8RD	1	EA	689.00	689.00	42%	399.62
100004631	CLAMP - LIMIT - 13-3/8 - HINGED -	1	EA	38.00	38.00	42%	22.04
100004487	CENTRALIZER-13 3/8"-CSG-17 1/2"-HINGED	8	EA	186.90	1,495.20	42%	867.22
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	42%	10.69
Float Equipment							
SubTotal				USD	2,729.63	42.0%	1,583.19
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
Surcharges							
SubTotal				USD	105.98	0.0%	105.98
Total				USD			23,810.80
Discount				USD			11,004.78
Discounted Total				USD			12,806.01

Primary Plant: VERNAL, UT, USA
 Secondary Plant: VERNAL, UT, USA

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

Job Information

9 5/8" Intermediate

NDC 3M 27-8-21

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 - 5822 ft (MD)
	700 - 5822 ft (TVD)
Inner Diameter	12.250 in
Job Excess	50 %
9 5/8" Intermediate	0 - 5822 ft (MD)
	0 - 5822 ft (TVD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Job Excess	0 %

Calculations

9 5/8" Intermediate

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 168.44 \text{ ft}^3 \\ &= 30.00 \text{ bbl} \end{aligned}$$

Cement : (3822.00 ft fill)

$$\begin{aligned} 700.00 \text{ ft} * 0.3627 \text{ ft}^3/\text{ft} * 0 \% &= 253.88 \text{ ft}^3 \\ 3122.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 1466.66 \text{ ft}^3 \\ \text{Total Lead Cement} &= 1720.54 \text{ ft}^3 \\ &= 306.44 \text{ bbl} \\ \text{Sacks of Cement} &= 450 \text{ sks} \end{aligned}$$

Cement : (2000.00 ft fill)

$$\begin{aligned} 2000.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 939.56 \text{ ft}^3 \\ \text{Tail Cement} &= 939.56 \text{ ft}^3 \\ &= 167.34 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 18.23 \text{ ft}^3 \\ &= 3.25 \text{ bbl} \\ \text{Tail plus shoe joint} &= 957.79 \text{ ft}^3 \\ &= 170.59 \text{ bbl} \\ \text{Total Tail} &= 785 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 5822.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 2527.12 \text{ ft}^3 \\ &= 450.10 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe} - \text{Shoe Joint} &= 450.10 \text{ bbl} - 3.25 \text{ bbl} \\ &= 446.85 \text{ bbl} \end{aligned}$$

Job Recommendation

9 5/8" Intermediate

Fluid Instructions

Fluid 1: Water Spacer
Water Ahead

Fluid Density: 8.33 lbm/gal
Fluid Volume: 30 bbl

Fluid 2: Lead Cement
Halliburton Hi-Fill

Fluid Weight 11 lbm/gal
Slurry Yield: 3.82 ft³/sk
Total Mixing Fluid: 22.92 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 3822 ft
Volume: 306.44 bbl
Calculated Sacks: 450.40 sks
Proposed Sacks: 455 sks

Fluid 3: Tail Cement

50/50 Poz Premium AG

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

Fluid Weight 14.35 lbm/gal
Slurry Yield: 1.22 ft³/sk
Total Mixing Fluid: 5.32 Gal/sk
Top of Fluid: 3822 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: 446.85 bbl

Fluid 5: Top Out Cement

Premium Plus V Cement

2 % Calcium Chloride (Accelerator)
(On The Side)

Fluid Weight 15.60 lbm/gal
Slurry Yield: 1.18 ft³/sk
Total Mixing Fluid: 5.26 Gal/sk
Proposed Sacks: 200 sks

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Water Ahead	8.3	5.0	30 bbl
2	Cement	Hi Fill	11.0	5.0	455 sks
3	Cement	50/50 Poz	14.35	5.0	790 sks
4	Spacer	Displacement	8.3	5.0	446.85 bbl
5	Cement	Premium Plus V (Top Out)	15.6		200 sks

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" Number of Units	80 2	MI	4.41	705.60	47%	373.97
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	2.60	208.00	47%	110.24
16091	ZI - PUMPING CHARGE DEPTH FEET/METRES (FT/M)	1 5822 FT	EA	3,556.00	3,556.00	47%	1,884.68
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	320.00	320.00	47%	169.60
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	1,109.00	1,109.00	47%	587.77
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	916.00	916.00	47%	485.48
	Equipment & Services						
	SubTotal			USD	6,814.60	47.0%	3,611.74
100003164	PLUG - CMTG - TOP PLASTIC - 9-5/8	1	EA	239.00	239.00	47%	126.67
21832	HALLIBURTON HI-FILL	455	SK	29.43	13,390.65	47%	7,097.04
12302	SBM 50-50 POZ (PREMIUM AG)	790	SK	14.35	11,336.50	47%	6,008.34
100003652	SALT	1751	LB	0.22	385.22	47%	204.17
100003646	HALAD(R)-322	260	LB	9.21	2,394.60	47%	1,269.14
100005049	FLOCELE	198	LB	2.71	536.58	47%	284.39
100003684	PEEMIUM PLUS V (TOP OUT)	200	SK	17.58	3,516.00	47%	1,863.48
100005053	CALCIUM CHLORIDE (TOP OUT)	5	SK	122.40	612.00	47%	324.36
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 71.92	MI	1.51	4,343.97	47%	2,302.30
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1761 1	CF	2.47	4,349.67	47%	2,305.33
	Materials						
	SubTotal			USD	41,104.19	47.0%	21,785.22
100004728	SHOE,GID,9-5/8 8RD	1	EA	346.00	346.00	42%	200.68
100004823	CLR,FLOAT,9-5/8 8RD,29.3-40#/FT,2 3/4	1	EA	792.00	792.00	42%	459.36
100004629	COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA	30.00	30.00	42%	17.40
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	12	EA	98.70	1,184.40	42%	686.95
100005045	HALLIBURTON WELD-A KIT	2	EA	18.43	36.86	42%	21.38
	Float Equipment						
	SubTotal			USD	2,389.26	42.0%	1,385.77
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
	Surcharges						
	SubTotal			USD	105.98	0.0%	105.98
	Total			USD			50,414.03

HALLIBURTON

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
	Discount			USD			23,525.32
	Discounted Total			USD			26,888.71

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 3M 27-8-21

Well Intervals:

9 5/8" Intermediate	0 - 5822 ft (MD)
	0 - 5822 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	5822 - 12700 ft (MD)
	5822 - 12700 ft (TVD)
Inner Diameter	7.875 in
Job Excess	25 %
4 1/2" Production	0 - 12700 ft (MD)
	0 - 12700 ft (TVD)
Outer Diameter	4.500 in
Inner Diameter	4.000 in
Linear Weight	11.60 lbm/ft
Job Excess	0 %

Calculations

4 1/2" Production

Spacer:

$$\begin{aligned} 347.00 \text{ ft} * 0.3236 \text{ ft}^3/\text{ft} * 0 \% &= 112.30 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 173.00 \text{ ft} * 0.3236 \text{ ft}^3/\text{ft} * 0 \% &= 55.99 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (7378.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3236 \text{ ft}^3/\text{ft} * 0 \% &= 161.81 \text{ ft}^3 \\ 6878.00 \text{ ft} * 0.2278 \text{ ft}^3/\text{ft} * 25 \% &= 1958.48 \text{ ft}^3 \\ \text{Primary Cement} &= 2120.29 \text{ ft}^3 \\ &= 377.64 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.0873 \text{ ft}^3/\text{ft} &= 3.67 \text{ ft}^3 \\ &= 0.65 \text{ bbl} \\ \text{Tail plus shoe joint} &= 2123.95 \text{ ft}^3 \\ &= 378.29 \text{ bbl} \\ \text{Total Tail} &= 1653 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12700.00 \text{ ft} * 0.0873 \text{ ft}^3/\text{ft} &= 1108.28 \text{ ft}^3 \\ &= 197.39 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 197.39 \text{ bbl} - 0.65 \text{ bbl} \\ &= 196.74 \text{ bbl} \end{aligned}$$

Job Recommendation

4 1/2" Production

Fluid Instructions

Fluid 1: Reactive Spacer
Super Flush

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

Fluid 2: Water Spacer
Water Spacer

Fluid Density: 8.33 lbm/gal
Fluid Volume: 10 bbl

Fluid 3: Primary Cement
50/50 Poz Premium AG

2 % Total Bentonite (Light Weight Additive)
0.6 % Halad(R)-322 (Low Fluid Loss Control)
0.2 % HR-5 (Expander)
5 % Salt (Salt) bwow
0.25 lbm/sk Flocele (Lost Circulation Additive)
0.3 % Super CBL (Expander)
2 % Microbond (Expander)

Fluid Weight 14.20 lbm/gal
Slurry Yield: 1.28 ft³/sk
Total Mixing Fluid: 5.70 Gal/sk
Top of Fluid: 5322 ft
Calculated Fill: 7378 ft
Volume: 378.29 bbl
Calculated Sacks: 1652.88 sks
Proposed Sacks: 1655 sks

Fluid 4: Water Spacer
Displacement

Fluid Density: 8.33 lbm/gal
Fluid Volume: 196.74 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Super Flush	9.2	5.0	20 bbl
2	Spacer	Water Spacer	8.3	5.0	10 bbl
3	Cement	50/50 Poz	14.2	5.0	1655 sks
4	Spacer	Displacement	8.3	5.0	196.74 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" Number of Units	80 2	MI	4.41	705.60	47%	373.97
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	2.60	208.00	47%	110.24
16091	ZI - PUMPING CHARGE DEPTH FEET/METRES (FT/M)	1 12700 FT	EA	10,687.00	10,687.00	47%	5,664.11
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	916.00	916.00	47%	485.48
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	1,109.00	1,109.00	47%	587.77
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	320.00	320.00	47%	169.60
	Equipment & Services						
	SubTotal			USD	13,945.60	47.0%	7,391.17
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
12302	SBM 50-50 POZ (PREMIUM AG)	1655	SK	14.35	23,749.25	47%	12,587.10
100003652	SALT	3930	LB	0.22	864.60	47%	458.24
100005050	HR-5	273	LB	5.39	1,471.47	47%	779.88
100003646	HALAD(R)-322	817	LB	9.21	7,524.57	47%	3,988.02
100005049	FLOCELE	414	LB	2.71	1,121.94	47%	594.63
100003668	SUPER CBL	409	LB	35.26	14,421.34	47%	7,643.31
100003669	MICROBOND	2723	LB	1.41	3,839.43	47%	2,034.90
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 73.7	MI	1.51	4,451.48	47%	2,359.28
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1867 1	CF	2.47	4,611.49	47%	2,444.09
	Materials						
	SubTotal			USD	65,120.77	47.0%	34,514.01
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	292.00	292.00	42%	169.36
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	341.00	341.00	42%	197.78
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	21.00	21.00	42%	12.18
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	25	EA	59.85	1,496.25	42%	867.82
100005045	HALLIBURTON WELD-A KIT	2	EA	18.43	36.86	42%	21.38
	Float Equipment						
	SubTotal			USD	2,187.11	42.0%	1,268.52
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
	Surcharges						
	SubTotal			USD	105.98	0.0%	105.98

HALLIBURTON

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
	Total			USD			81,359.46
	Discount			USD			38,079.79
	Discounted Total			USD			43,279.67

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.

SHENANDOAH ENERGY, INC.

NDC #3M-27-8-21

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

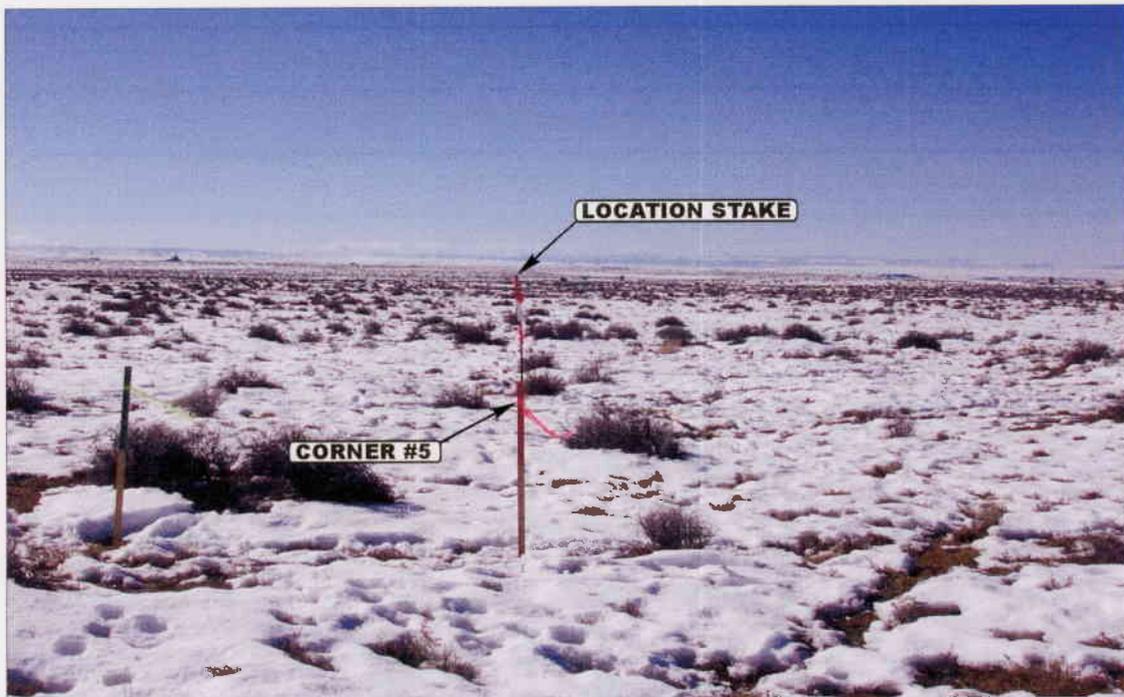


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

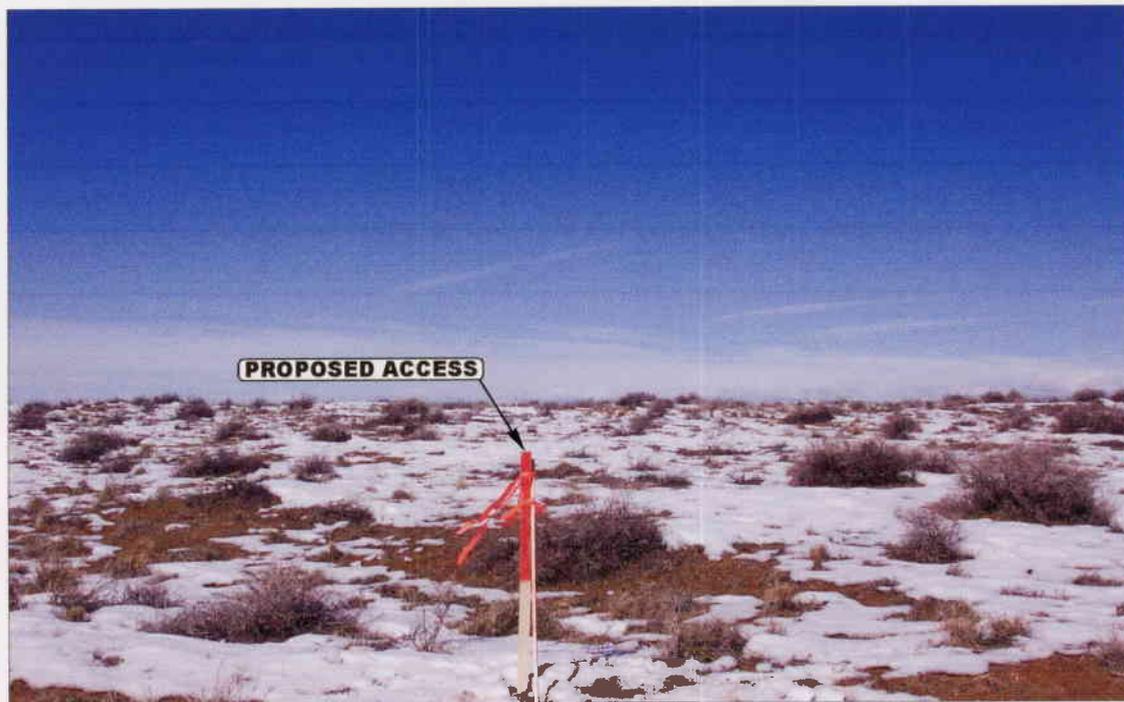


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

02 05 03
MONTH DAY YEAR

PHOTO

TAKEN BY: S.H.

DRAWN BY: P.M.

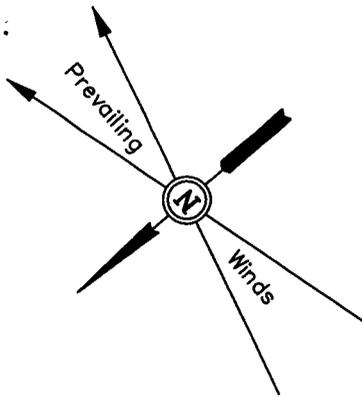
REVISED: 00-00-00

SHENANDOAH ENERGY, INC.

FIGURE #1

LOCATION LAYOUT FOR

NDC #3M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
667' FNL 1985' FWL



SCALE: 1" = 50'
DATE: 02-04-03
Drawn By: D.R.B.

C-2.1'
El. 88.6'

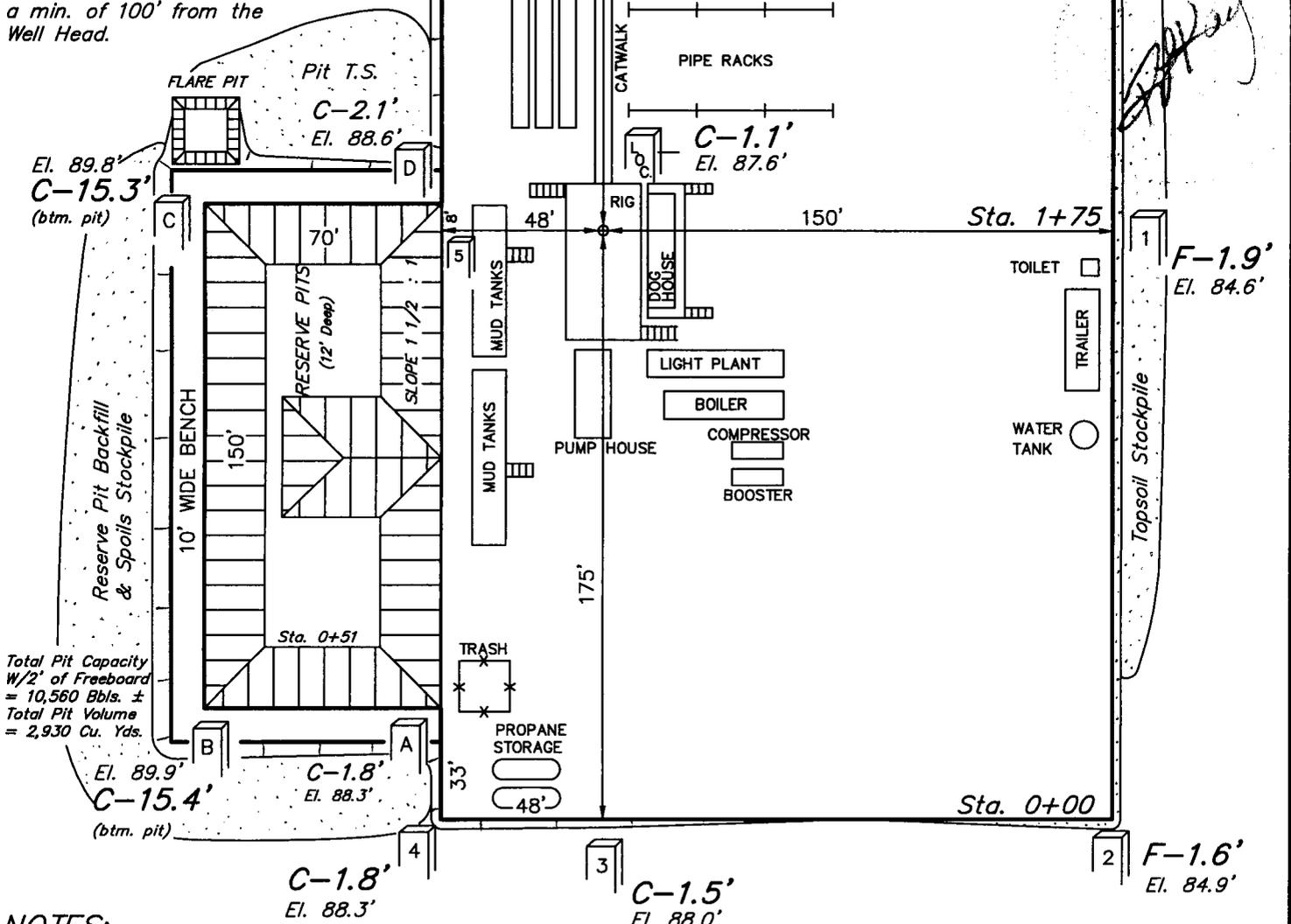
C-1.4'
El. 87.9'

Proposed Access Road

F-1.4'
El. 85.1'

NOTE:

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4787.6'
FINISHED GRADE ELEV. AT LOC. STAKE = 4786.5'

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

SHENANDOAH ENERGY, INC.

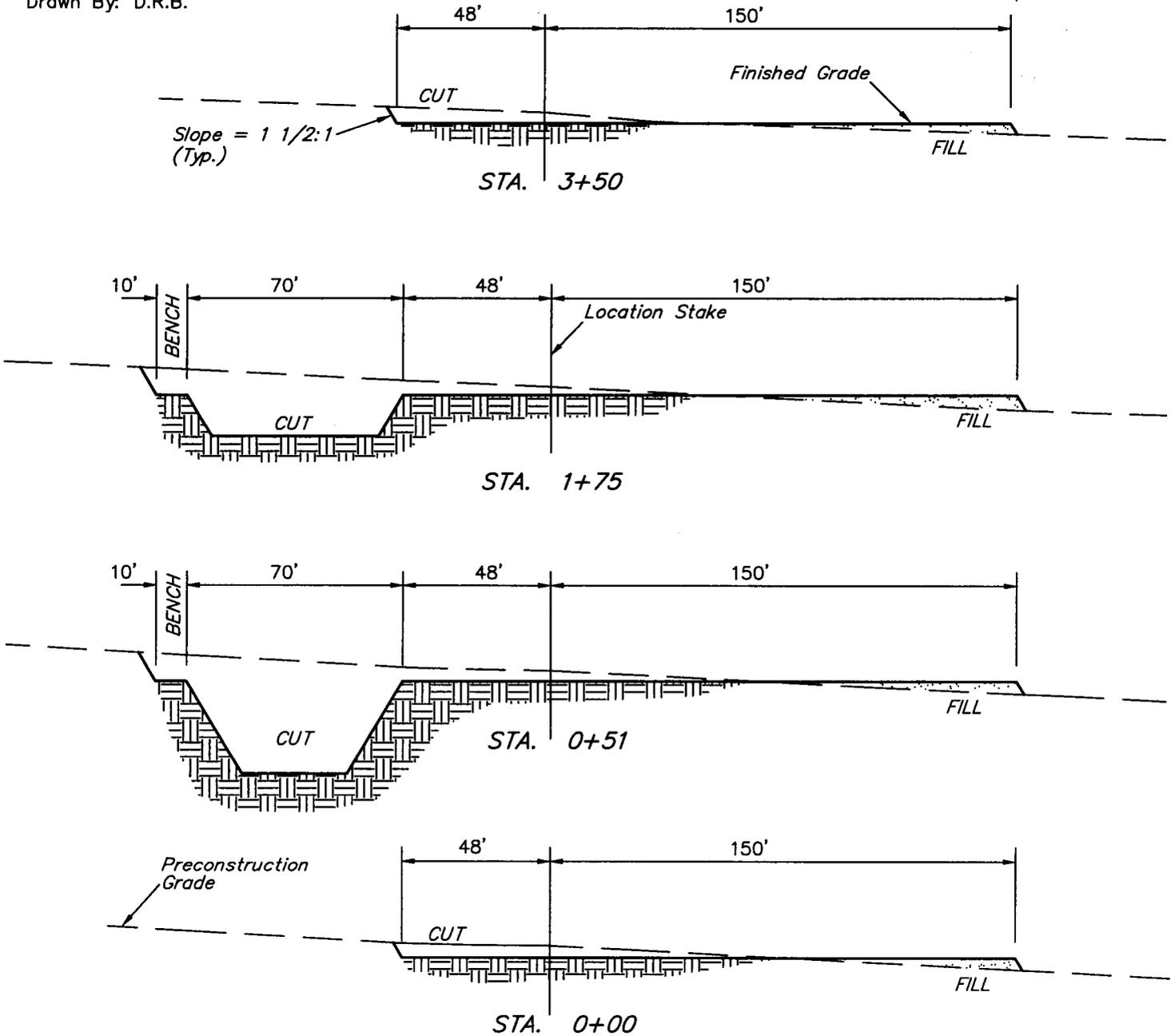
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NDC #3M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
667' FNL 1985' FWL

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

DATE: 02-04-03
Drawn By: D.R.B.

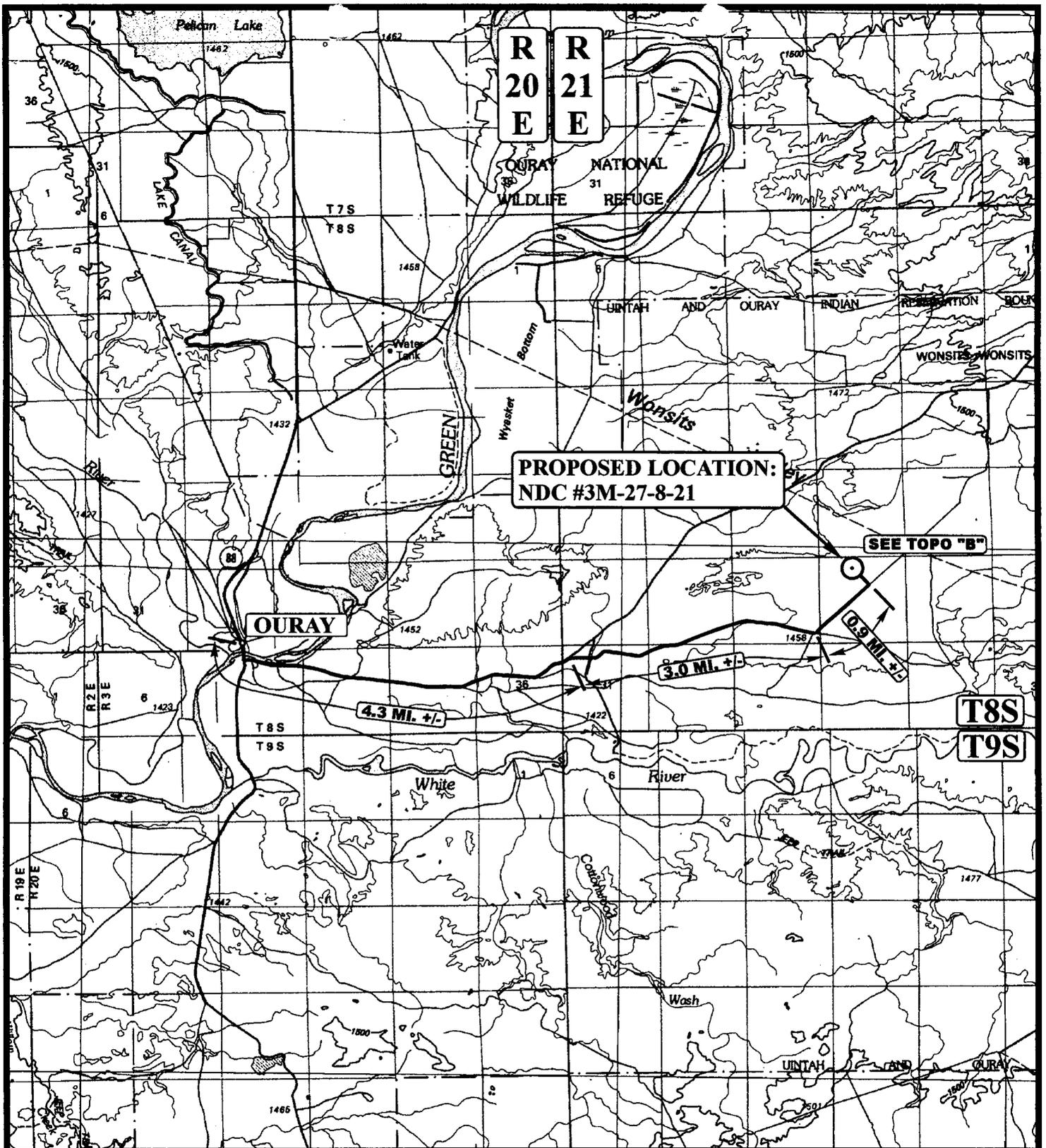


APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,070 Cu. Yds.
Remaining Location	= 4,220 Cu. Yds.
TOTAL CUT	= 7,290 CU.YDS.
FILL	= 2,620 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.

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



**PROPOSED LOCATION:
NDC #3M-27-8-21**

SEE TOPO "B"

OURAY

4.3 MI. +/-

3.0 MI. +/-

0.9 MI. +/-

T8S

T9S

LEGEND:

⊙ PROPOSED LOCATION



SHENANDOAH ENERGY, INC.

**NDC #3M-27-8-21
SECTION 27, T8S, R21E, S.L.B.&M.
667' FNL 1985' FWL**

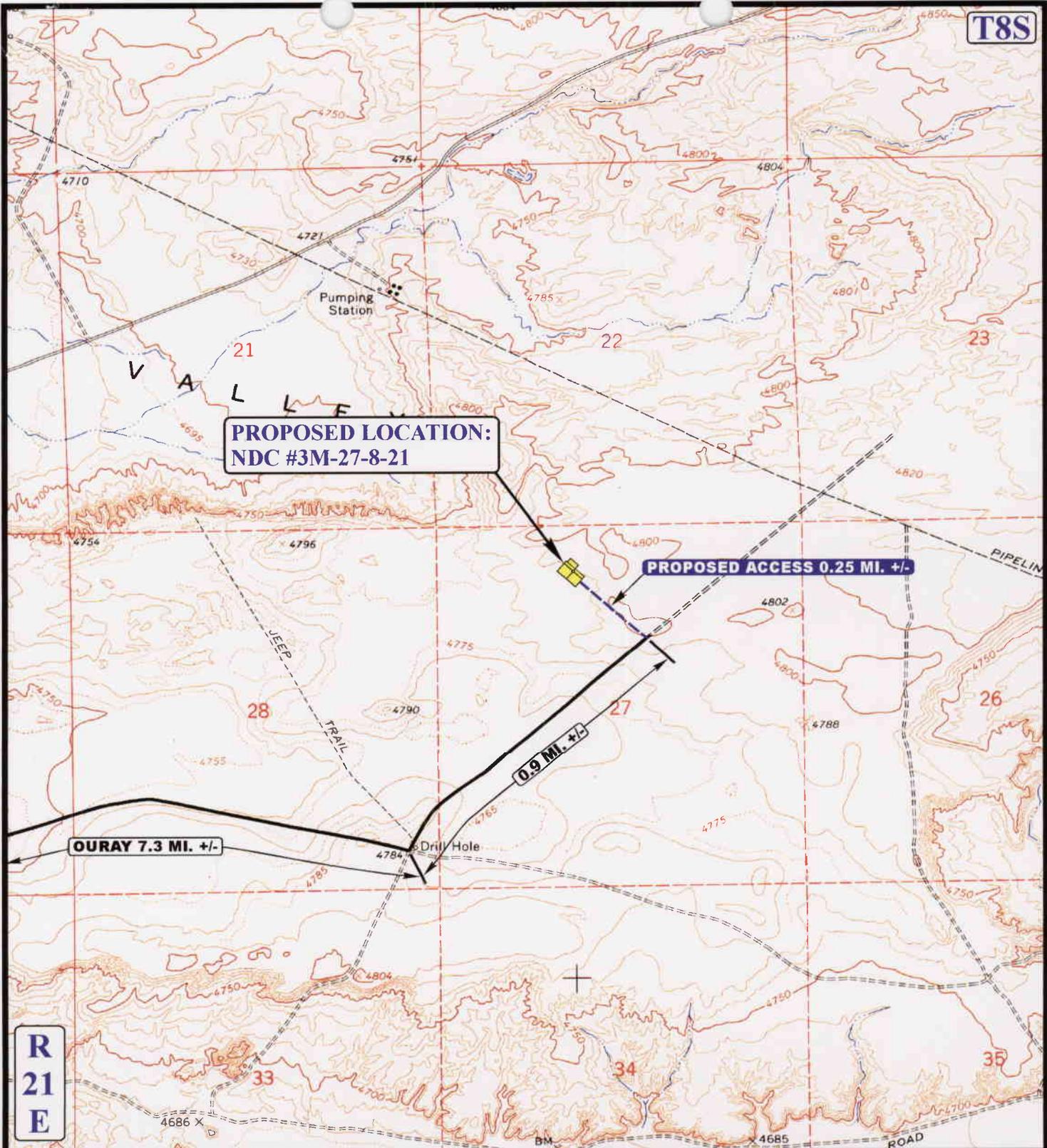


Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 02 05 03
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00



T8S



R
21
E

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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SHENANDOAH ENERGY, INC.

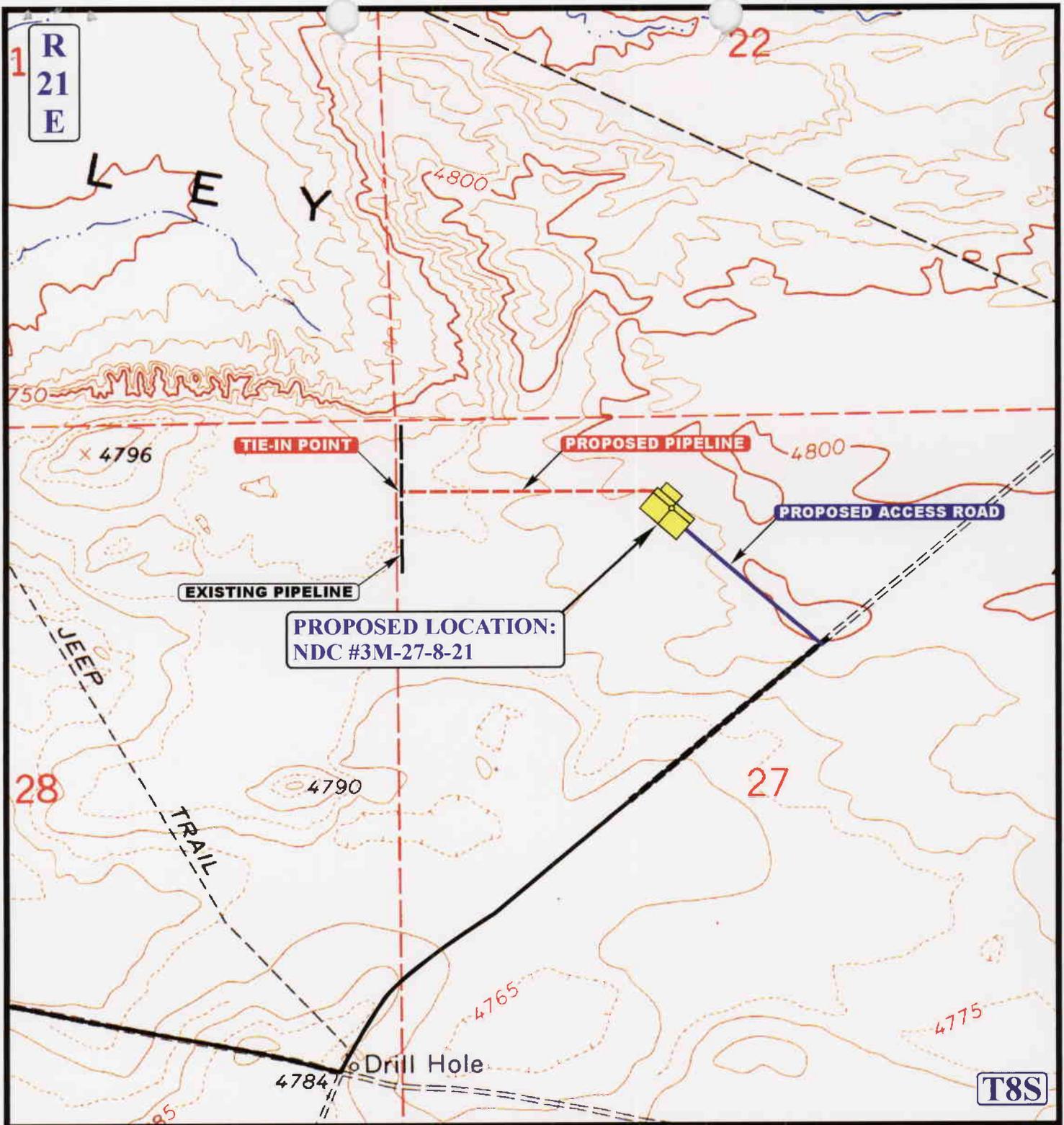
NDC #3M-27-8-21
 SECTION 27, T8S, R21E, S.L.B.&M.
 667' FNL 1985' FWL

TOPOGRAPHIC

02	05	03
MONTH	DAY	YEAR



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



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,826' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



SHENANDOAH ENERGY, INC.

NDC #3M-27-8-21
 SECTION 27, T8S, R21E, S.L.B.&M.
 667' FNL 1985' FWL



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

**TOPOGRAPHIC
 MAP**

02	05	03
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/18/2003

API NO. ASSIGNED: 43-047-34900

WELL NAME: N DUCK CREEK 3M-27-8-21

OPERATOR: SHENANDOAH ENERGY INC (N4235)

CONTACT: RALEEN SEARLE

PHONE NUMBER: 435-781-4309

PROPOSED LOCATION:

NENW 27 080S 210E
SURFACE: 0667 FNL 1985 FWL
BOTTOM: 0667 FNL 1985 FWL
UINTAH
WONSITS VALLEY (710)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0803

SURFACE OWNER: 2 - Indian

LATITUDE: 40.09958

PROPOSED FORMATION: MNCS

LONGITUDE: 109.54170

RECEIVED AND/OR REVIEWED:

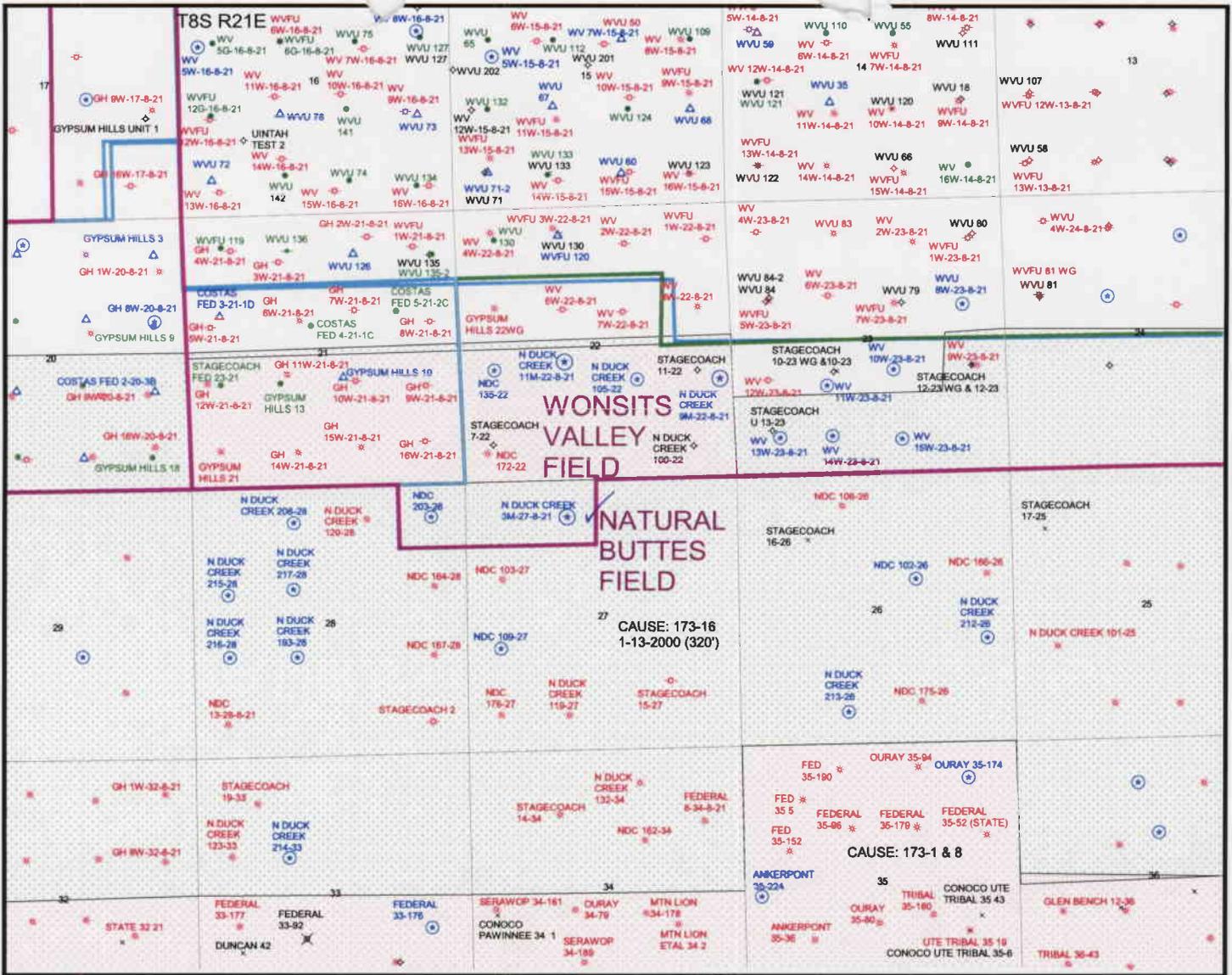
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT-1237)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 49-2153)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

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: 173-16
Eff Date: 1-13-02
Siting: 460' fr W boundary & 920' fr other wells
- ___ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1-Federal approval





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

February 26, 2003

Shenandoah Energy Inc
11002 E 17500 S
Vernal UT 84078

Re: North Duck Creek 3M-27-8-21 Well, 667' FNL, 1985' FWL, NE NW, 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 43-047-34900.

Sincerely,

John R. Baza
Associate Director

er

Enclosures

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

Operator: Shenandoah Energy Inc
Well Name & Number North Duck Creek 3M-27-8-21
API Number: 43-047-34900
Lease: UTU0803
Location: NE NW **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.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy Inc.

Well Name & Number: NDC 3M-27-8-21

API Number: 43-047-34900

Lease Number: U-0803

Location: NENW 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 and 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 right of ways.

A corridor ROW, 30 feet wide and 1236 feet long, was granted for the access road. A corridor ROW, 30 feet wide and 1811 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 reseeded 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
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)

RECEIVED

JUL 29 2003

DIV. OF OIL, GAS & MINING

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
GYP SUM HILLS 13HG-17-8-22	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-28-8-22	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-27-8-22	27	080S	210E	4304734900		Federal	GW	APD	C
N DUCK CREEK 9M-22-8-22	22	080S	210E	4304734901		Federal	GW	APD	C
N DUCK CREEK 11M-22-8-22	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

Exhibit of Leases

UTSL-065342	UTU-0825	UTU-65472	UTU-74971
UTSL-065429	UTU-0826	UTU-65632	UTU-74972
UTSL-066409-A	UTU-0827	UTU-67844	UTU-75079
UTSL-066446	UTU-0828	UTU-68217	UTU-75080
UTSL-066446-A	UTU-0829	UTU-68218	UTU-75081
UTSL-066446-B	UTU-0830	UTU-68219	UTU-75082
UTSL-066791	UTU-0933	UTU-68220	UTU-75083
UTSL-069330	UTU-0971	UTU-68387	UTU-75084
UTSL-070932-A	UTU-0971-A	UTU-68620	UTU-75085
UTSL-071745	UTU-01089	UTU-69001	UTU-75086
UTSL-071963	UTU-02025	UTU-70853	UTU-75087
UTSL-071964	UTU-02030	UTU-70854	UTU-75088
UTSL-071965	UTU-02060	UTU-70855	UTU-75102
	UTU-02148	UTU-70856	UTU-75103
UTU-046	UTU-02149	UTU-71416	UTU-75116
UTU-055	UTU-02510-A	UTU-72066	UTU-75243
UTU-057	UTU-09613	UTU-72109	UTU-75503
UTU-058	UTU-09617	UTU-72118	UTU-75678
UTU-059	UTU-09809	UTU-72598	UTU-75684
UTU-080	UTU-011225-B	UTU-72634	UTU-76278
UTU-081	UTU-011226	UTU-72649	UTU-75760
UTU-082	UTU-011226-B	UTU-73182	UTU-75939
UTU-093	UTU-012457	UTU-73443	UTU-76039
UTU-0116	UTU-012457-A	UTU-73456	UTU-76482
UTU-0558	UTU-018260-A	UTU-73680	UTU-76507
UTU-0559	UTU-022158	UTU-73681	UTU-76508
UTU-0560	UTU-025960	UTU-73684	UTU-76721
UTU-0561	UTU-025962	UTU-73686	UTU-76835
UTU-0562	UTU-025963	UTU-73687	UTU-77063
UTU-0566	UTU-029649	UTU-73698	UTU-77301
UTU-0567	UTU-65471	UTU-73699	UTU-77308
UTU-0568	UTU-65472	UTU-73700	UTU-78021
UTU-0569	UTU-103144	UTU-73710	UTU-78028
UTU-0570	UTU-140740	UTU-73914	UTU-78029
UTU-0571	UTU-14219	UTU-73917	UTU-78214
UTU-0572	UTU-14639	UTU-74401	UTU-78215
UTU-0629	UTU-16551	UTU-74402	UTU-78216
UTU-0802	UTU-28652	UTU-74407	UTU-80636
UTU-0803	UTU-42050	UTU-74408	UTU-80637
UTU0804	UTU-43915	UTU-74419	UTU-80638
UTU0805	UTU-43916	UTU-74493	UTU-80639
UTU0806	UTU-43917	UTU-74494	UTU-80640
UTU0807	UTU-43918	UTU-74495	
UTU0809	UTU-56947	UTU-74496	
UTU0810	UTU-65276	UTU-74836	
UTU-0823	UTU-65404	UTU-74842	
UTU-0824	UTU-65471	UTU-74968	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
UTU-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
G-B B NORTH DUCK CREEK 3M-27-8-21

9. API Well No.
43-047-34900

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
Well Well Other

2. Name of Operator
QEP UINTA BASIN, INC

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (435) 781-4309

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
667 FNL, 1985 FWL, NENW, SECTION 27, T8S, R21E

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

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

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

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

QEP, Uinta Basin Inc. proposes to change the TD on the North Duck Creek 3M-27-8-21 to 12,750 from what was originally permitted at 12,700.
G-B

**Approved by the
Utah Division of
Oil, Gas and Mining**
Date: 10-14-03
By: [Signature]

14. I hereby certify that the foregoing is true and correct.
Signed Raleen Searle Title REGULATORY AFFAIRS ANALYST Date 9/30/03

(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.

OCT 03 2003

BY: OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

008

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
GB 3B-27-8-21

9. API Well No.
43-047-34900

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well Gas Well Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
667'FNL 1985' FWL NENW SEC 27 T8S R21E

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

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

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

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

QEP Uinta Basin, Inc. hereby requests a 1 year extension on the APD for the GB 3B-27-8-21.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 04-01-04
By: [Signature]

COPY SENT TO OPERATOR
Date: 4-2-04
Initials: CHD

RECEIVED
MAR 29 2004
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed John Busch Title OPERATIONS Date 3/25/2004

(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.



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

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

API: 43-047-34900
Well Name: GB 3B-27-8-21
Location: 667' FNL 1985' FWL NENW SEC 27 T8S R21E
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 5/27/2003
 2/26/03

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 Bush
Signature

3/25/2004
Date

Title: OPERATIONS

Representing: QEP UINTA BASIN, INC.

RECEIVED
MAR 29 2004
 DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

009

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
667'FNL 1985' FWL NENW SEC 27 T8S R21E

5. Lease Designation and Serial No.
UTU-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
GB 3B-27-8-21

9. API Well No.
43-047-34900

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UTAH

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)
QEP Uinta Basin, Inc. hereby requests a 1 year extension on the APD for the GB 3B-27-8-21.

RECEIVED
MAY 3 2004

DIV. OF OIL, GAS & MINING

RECEIVED
MAR 26 2004
By _____

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.
Signed John Busch Title OPERATIONS Date 3/25/2004

(This space for Federal or State office use)
Approved by: Paul Johnson Title Petroleum Engineer Date 4/15/04
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.



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

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

API: 43-047-34900
Well Name: GB 3B-27-8-21
Location: 667'FNL 1985' FWL NENW SEC 27 T8S R21E
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 5/27/2003

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

3/25/2004
Date

Title: OPERATIONS

Representing: QEP UINTA BASIN, INC.

QEP- Uintah Basin Inc.
APD Extension

Well: GB 3B-27-8-21

Location: NENW 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 5/27/05
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

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

FORM 9

010

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.

CONFIDENTIAL

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0803
2. NAME OF OPERATOR: QEP UINTA BASIN, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 667' FNL 1985' FWL		8. WELL NAME and NUMBER: GB 3M-27-8-21
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 27 8S 21E		9. API NUMBER: 4304734900
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

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

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

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

QEP Uinta Basin, Inc. proposes to revise the casing and cement program on the GB 3M-27-8-21.

Please see attached revisions.

QEP Uinta Basin, Inc. proposes to change the name of the GB 3B-27-8-21 to the GB 3M-27-8-21.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 02-17-05

By: [Signature]

*Federal Approval of this
Action is Necessary*

RECEIVED
FEB 17 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Jan Nelson</u>	<u>[Signature]</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE _____	DATE <u>2/15/2005</u>	

(This space for State use only)

COPY SENT TO OPERATOR
2-22-05
CHD

GB 3M-27-8-21 Sundry Notice Info:

QEP Uinta Basin, Inc.

Lease: UTU-0803

QEP Uinta Basin, Inc proposes the following revisions to the 8-pt Drilling Program:

3. Operator's Specification for Pressure Control Equipment:

A. Shall be changed to the following:

1. Prior to drilling below surface casing – equipment & test plan (700' to 10,100')

11" – 5,000 psi double gate with blind rams and 5" pipe rams.

11" – 5,000 psi annular preventer.

(See attached diagram)

Note: the above BOP system is the minimum for this section of hole, Questar may utilize a 10,000psi stack, if the rig is so equipped, and test it to 5,000psi requirements for this section of hole. Depending on rig inventory & components, this stack may be 13 5/8" 5,000psi or 10,000psi.

Test pressures are as follows:

1. BOP: 5,000 psi (High) 250 psi (Low) – 10 min each
2. Annular Preventer: 2,500 psi (High) 250 psi (Low) – 10 min each
3. Choke Manifold & Lines: 5,000 psi (High) 250 psi (Low) – 10 min each
4. Casing: 1,500 psi – 30 min
5. Formation Integrity Test: Drill out of surface casing 10' and test to a 10.0 ppg mud equivalent.

Notify the BLM and/or State offices prior to pressure testing, as required by the permit.

2. Prior to drilling below intermediate casing – equipt & test plan (10,100' to 12,700')

11" – 10,000 psi double gate with blind rams and 3-1/2" pipe rams.

11" – 10,000 psi single gate preventer w/ 3-1/2" pipe rams

11" – 5,000 psi annular preventer.

(See attached diagram)

Note: Depending on rig inventory & components, this stack may be 13 5/8" 10,000psi.

Test pressures are as follows:

1. BOP: 10,000 psi (High) 250 psi (Low) – 10 min each
2. Annular Preventer: 2,500 psi (High) 250 psi (Low) – 10 min each
3. Choke Manifold & Lines: 10,000 psi (High) 250 psi (Low) – 10 min
4. Casing: 2,310 psi – 30 min
5. Formation Integrity Test: Drill out of intermediate casing 10' and test to a 13.5 ppg mud equivalent.

Notify the BLM and/or State office prior to pressure testing, as required by the permit.

B. Function test pipe rams & blind ram on trips and annular once per week.

C. All casing strings below conductor shall be tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. BOP equipment will be tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs and at 30 day intervals.

D. Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by a test plug or to 70% of the internal yield pressure of the casing if the BOP stack is not isolated from the casing. Annular preventers shall be tested to 50% of the rated working pressure.

BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment testing, procedures, etc..., for the appropriate 5M or 10M approved systems. Individual components will be operable as designed.

4. Shall be revised as follows:

Intermediate casing at 10,100'+/- shall be 7", 26 #/ft, HCP-110, LT&C, new casing.

7", 26 #/ft, HCP-110, LT&C casing has a collapse strength rating of 7,800 psi, burst strength of 9,950 psi and tension strength of 693,000 psi.

Standard design factors utilized:	Collapse	1.125
	Burst	1.10
	Tension	1.80

5. Shall be revised as follows:

It is anticipated that a float will be run at the bit.

6. Shall be revised to include the following:

Maximum mud weight anticipated at TD will be 13.5 ppg.

Sufficient mud materials to maintain mud properties, control lost circulation and to control the well will be available at the well site.

It is anticipated that the mud logger and gas detection equipment will be rigged up from 2,000' to TD.

Sidewall cores may be run in conjunction with the open-hole logs at TD.

7. Shall be revised as follows:

See attached revised program and calculations from Halliburton (Version: 3 – 12/22/04):

Cementing Summary:

- The surface & intermediate casing cement job will attempt to circulate cement to surface.
- The production casing will be cemented back to 5,500' +/- (approx 500' above the Wasatch formation).
- Actual cement volumes will be calculated off caliper logs.

9 5/8" Surface:

(see pages 3-6 of attached cementing program)

Surface to 700' 15.6 ppg Cl-G cement.

7" Intermediate:

(see pages 8-11 of attached cementing program)

Surface to 700' 14.6 ppg Cl-G cap / top out cement.

700' to 5,500' 9.5 ppg foamed cement*.

5,500' to 10,000' 10.5 ppg foamed cement*.

10,000' to 10,500' 14.35 ppg Cl-G cement at shoe.

*Note: The cement phase will be 14.35 ppg 50/50 poz.

4 1/2" Production:

Two systems are being considered depending on hole conditions at TD.

I. (see pages 14-17 for a foamed cement proposal if mud wt. at TD is less than 11.5 ppg or there are lost circ zones).
5,500' to TD 11.5 ppg foamed cement

II. (see pages 20-23 for a conventional cement proposal if mud weight at TD is greater than 11.5 ppg).
5,500' to TD 13.5 ppg Cl-G cement

8. Shall be revised to include the following:

The Blackhawk SS and Mancos sections may be pressured to 11.0 ppg to 13.5 ppg. Maximum BHP < 9000 psi.

BHT = 190° F at intermediate casing and 230° F at TD.



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

Deep Mancos Tests
Uintah County, Utah
United States of America

Multiple String Cement Recommendation

Prepared for: Mr. John Owen
December 22, 2004
Version: 3

Submitted by:
Rory Cook
Halliburton Energy Services
Vernal Ut Us
1085 E Main
Vernal, Utah 84078
435.789.2550

HALLIBURTON

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

Foreword

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

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

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

Prepared by: _____
Aaron James
Technical Advisor

Submitted by: _____
Rory Cook
Franchise Leader

SERVICE CENTER:	Vernal, Utah
SERVICE COORDINATOR:	Dale Harrold
OPER. ENGINEER:	Richard Curtice
FSQC:	Richard McDonald
CMT ENGINEERS:	Dean Smith
	Kyle Scott
PHONE NUMBER:	(800) 874-2550

Job Information

9 5/8" Surface

Deep Mancos Test

12 1/4" Open Hole	0 - 700 ft (MD)
	0 - 700 ft (TVD)
Inner Diameter	12.250 in
Job Excess	75 %

9 5/8" Surface	0 - 700 ft (MD)
	0 - 700 ft (TVD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Casing Grade	J-55

Calculations

9 5/8" Surface

Spacer:

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

Cement : (700.00 ft fill)

$$\begin{aligned} 700.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 75 \% &= 383.65 \text{ ft}^3 \\ \text{Primary Cement} &= 383.65 \text{ ft}^3 \\ &= 68.33 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 17.36 \text{ ft}^3 \\ &= 3.09 \text{ bbl} \\ \text{Tail plus shoe joint} &= 401.02 \text{ ft}^3 \\ &= 71.42 \text{ bbl} \\ \text{Total Tail} &= 335 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 700.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 303.85 \text{ ft}^3 \\ &= 54.12 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 54.12 \text{ bbl} - 3.09 \text{ bbl} \\ &= 51.02 \text{ bbl} \end{aligned}$$

Job Recommendation

9 5/8" Surface

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 V Cement

94 lbm/sk Premium Plus V 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 ft³/sk

Total Mixing Fluid: 5.25 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 700 ft

Volume: 71.42 bbl

Calculated Sacks: 334.74 sks

Proposed Sacks: 335 sks

Fluid 3: Water Spacer

Displacement

Fluid Density: 8.33 lbm/gal

Fluid Volume: 51.0

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Job Procedure

9 5/8" Surface

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	335 sks
3	Spacer	Displacement	8.3	3.0	51.02 bbl

Cost Estimate

9 5/8" Surface

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7521	CMT SURFACE CASING BOM	1		0.00	0.00	50.0%	0.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT" Number of Units	80 1	MI	5.28	422.40	50.0%	211.20
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	3.11	248.80	50.0%	124.40
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 700 FT	EA	2,879.00	2,879.00	50.0%	1,439.50
EQUIPMENT & SERVICES							
SubTotal				USD	3,550.20	50.0%	1,775.10
201087	BA.QUIK-GEL - 50 LB BAG	4	BG	31.65	126.60	50.0%	63.30
100003684	PREMIUM PLUS V CEMENT	335	SK	21.04	7,048.40	50.0%	3,524.20
100005053	CALCIUM CHLORIDE	8	SK	146.50	1,172.00	50.0%	586.00
100005049	FLOCELE	84	LB	3.24	272.16	50.0%	136.08
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 16.1	MI	1.81	1,165.64	50.0%	582.82
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	350 1	CF	2.96	1,036.00	50.0%	518.00
MATERIALS							
SubTotal				USD	10,820.80	50.0%	5,410.40
100003164	PLUG - CMTG - TOP PLASTIC - 9-5/8	1	EA	276.05	276.05	50.0%	138.02
100004728	SHOE,GID,9-5/8 8RD	1	EA	410.53	410.53	45.0%	225.79
100004823	CLR,FLOAT,9-5/8 8RD,29.3-40#/FT,2 3/4	1	EA	898.13	898.13	45.0%	493.97
100004629	COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA	34.65	34.65	45.0%	19.06
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	4	EA	114.00	456.00	45.0%	250.80

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Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
100005045	HALLIBURTON WELD-A KIT	2	EA	38.70	77.40	45.0%	42.57
	FLOAT EQUIPMENT						
	SubTotal			USD	2,152.76	45.64%	1,170.21
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00	0.0%	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00	0.0%	48.00
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	80 1	MI	0.24	19.20	0.0%	19.20
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	80 1	MI	0.08	6.40	0.0%	6.40
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 16.1	MI	0.08	51.52	0.0%	51.52
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	130.00	260.00	0.0%	260.00
	SURCHARGES						
	SubTotal			USD	464.12	0.0%	464.12
	Total			USD			16,987.88
	Discount			USD			8,168.05
	Discounted Total			USD			8,819.83

Deep Mancos Tests

9 5/8" Surface	0 - 700 ft (MD)
	0 - 700 ft (TVD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Casing Grade	J-55
Job Excess	0 %
8 3/4" Open Hole	700 - 10500 ft (MD)
	700 - 10500 ft (TVD)
Inner Diameter	8.750 in
Job Excess	25 %
7" Intermediate	0 - 10500 ft (MD)
	0 - 10500 ft (TVD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
Casing Grade	N-80
Job Excess	0 %
Mud Type	Water Based Mud
Mud Weight	10 lbm/gal

Calculations

Foam Cement Intermediate Casing

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 168.44 \text{ ft}^3 \\ &= 30.00 \text{ bbl} \end{aligned}$$

Spacer:

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

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (5500.00 ft fill)

$$\begin{aligned} 700.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 116.77 \text{ ft}^3 \\ 4800.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 901.98 \text{ ft}^3 \\ \text{Total Lead Cement} &= 1018.75 \text{ ft}^3 \\ &= 181.45 \text{ bbl} \\ \text{Sacks of Cement} &= 447 \text{ sks} \end{aligned}$$

Cement : (4500.00 ft fill)

$$\begin{aligned} 4500.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 845.61 \text{ ft}^3 \\ \text{Total Tail Cement} &= 845.61 \text{ ft}^3 \\ &= 150.61 \text{ bbl} \\ \text{Sacks of Cement} &= 397 \text{ sks} \end{aligned}$$

Cement : (500.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 93.96 \text{ ft}^3 \\ \text{Shoe Slurry} &= 93.96 \text{ ft}^3 \\ &= 16.73 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 8.59 \text{ ft}^3 \\ &= 1.53 \text{ bbl} \\ \text{Tail plus shoe joint} &= 102.55 \text{ ft}^3 \\ &= 18.26 \text{ bbl} \\ \text{Total Tail} &= 70 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 10500.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 2255.71 \text{ ft}^3 \\ &= 401.76 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 401.76 \text{ bbl} - 1.53 \text{ bbl} \\ &= 400.23 \text{ bbl} \end{aligned}$$

Job Recommendation

Foam Cement Intermediate Casing

Fluid Instructions

Fluid 1: Water Spacer

Water Ahead

Fluid Density: 8.33 lbm/gal

Fluid Volume: 30 bbl

Fluid 2: Reactive Spacer

Super Flush

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

Water Spacer

Fluid Density: 8.33 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Lead Cement

50/50 Poz Premium (no Gel)

47 lbm/sk Premium Cement (Cement)
 35.25 lbm/sk Pozmix A (Light Weight Additive)
 20 % SSA-1 (Additive Material)
 0.1 % Versaset (Thixotropic Additive)
 5 lbm/sk Silicalite Compacted (Light Weight Additive)
 0.2 % Diacel LWL (Low Fluid Loss Control)
 1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 9.50 lbm/gal
 Fluid Weight 14.35 lbm/gal
 Slurry Yield: 1.46 ft³/sk
 Total Mixing Fluid: 6.30 Gal/sk
 Top of Fluid: 0 ft
 Calculated Fill: 5500 ft
 Volume: 181.45 bbl
 Calculated Sacks: 447.35 sks
 Proposed Sacks: 450 sks

Fluid 5: Tail Cement

50/50 Poz Premium (no Gel)

47 lbm/sk Premium Cement (Cement)
 35.25 lbm/sk Pozmix A (Light Weight Additive)
 20 % SSA-1 (Additive Material)
 0.1 % Versaset (Thixotropic Additive)
 5 lbm/sk Silicalite Compacted (Light Weight Additive)
 0.2 % Diacel LWL (Low Fluid Loss Control)
 1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 10.50 lbm/gal
 Fluid Weight 14.35 lbm/gal
 Slurry Yield: 1.46 ft³/sk
 Total Mixing Fluid: 6.30 Gal/sk
 Top of Fluid: 5500 ft
 Calculated Fill: 4500 ft
 Volume: 150.61 bbl
 Calculated Sacks: 396.78 sks
 Proposed Sacks: 400 sks

Fluid 6: Shoe Slurry

50/50 Poz Premium (no Gel)

47 lbm/sk Premium Cement (Cement)
 35.25 lbm/sk Pozmix A (Light Weight Additive)
 20 % SSA-1 (Additive Material)
 0.1 % Versaset (Thixotropic Additive)
 5 lbm/sk Silicalite Compacted (Light Weight Additive)
 0.2 % Diacel LWL (Low Fluid Loss Control)

Fluid Weight 14.35 lbm/gal
 Slurry Yield: 1.46 ft³/sk
 Total Mixing Fluid: 6.30 Gal/sk
 Top of Fluid: 10000 ft
 Calculated Fill: 500 ft
 Volume: 18.26 bbl
 Calculated Sacks: 70.38 sks
 Proposed Sacks: 80 sks

Fluid 7: Water Based Spacer

Displacement

Fluid Density: 8.33 lbm/gal

Fluid Volume: 400.23 bbl

Fluid 8: Top Out Cement

Premium Cement

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

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

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Job Procedure

Foam Cement Intermediate Casing

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Water Ahead	8.3	5.0	30 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Water Spacer	8.3	5.0	10 bbl
4	Cement	Lead 50/50/0 Foam Cement	14.4		450 sks
5	Cement	Tail 50/50/0 Foam Cement	14.4		400 sks
6	Cement	Shoe 50/50/0 Cement	14.4		80 sks
7	Spacer	Displacement	8.3	5.0	400.23 bbl
8	Cement	Cap Cement	14.6		75 sks

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Lead 50/50/0 Foam Cement	116.09bbl	9.5	9.5	12.2	568.5
5	Tail 50/50/0 Foam Cement	102.97bbl	10.5	10.5	401.2	743.8

Foam Design Specifications:

Foam Calculation Method: Constant Density
 Backpressure: 50 psig
 Bottom Hole Circulating Temp: 130 degF
 Mud Outlet Temperature: 100 degF

Calculated Gas = 92198.0 scf
 Additional Gas = 20000 scf
 Total Gas = 112198.0 scf

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Cost Estimate

Foam Cement Intermediate Casing

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7522	CMT INTERMEDIATE CASING BOM	1		0.00	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	497.60	248.80
	Number of Units	2			
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	844.80	422.40
	Number of Units	2			
16091	ZI - PUMPING CHARGE	1	EA	8,308.00	4,154.00
	DEPTH	10500			
	FEET/METERS (FT/M)	FT			
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	962.00	481.00
	NUMBER OF DAYS	1			
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	1,327.00	663.50
	NUMBER OF UNITS	1			
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB	749.00	374.50
	NUMBER OF UNITS	1			
90	ZI QUICK LATCH ATTACHMENT	1	JOB	286.00	143.00
	SIZE IN INCHES/MILLIMETER	7			
	INCHES/MILLIMETERS (IN/MM)	IN			
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	770.00	385.00
	DAYS OR FRACTION (MIN1)	1			
11941	"FIELD STORAGE BIN DELIVERY, ZI"	80	MI	422.40	211.20
	Number of Units	1			
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI	1	EA	383.00	191.50
	DAYS OR PARTIAL DAY(WHOLE NO.)	1			
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	19.20	19.20
	Number of Units	3			
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	57.60	57.60
	Number of Units	3			
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	40	MI	167.65	167.65
	NUMBER OF TONS	52.39			
372867	Cmt PSL - DOT Vehicle Charge, CMT	6	EA	780.00	780.00
	Nitrogen Charges				
13459	Nitrogen Charge	144589	SCF	4,482.26	2,241.13
3567	MILEAGE FOR NITROGEN EQUIPMENT	80	MI	422.40	211.20
	Number of Units	1			
3587	N2 CREW MILEAGE	80	MI	248.80	124.40
	Number of Units	1			
3564	N2 FOAM GENERATOR, PER JOB.	1	EA	693.00	346.50
	NUMBER OF JOBS	1			
130443	ZONESEAL CERTIFIED SPECIALIST H/DAY/MO	8	H	1,384.00	692.00
	TOTAL NUMBER	1			
	HR/DAY/WEEK/MTH/YEAR/JOB/RUN				
17461	ZONESEAL EQUIP ON SITE,/DAY,ZI	1	EA	1,945.65	972.82
	DAYS OR PARTIAL DAY(WHOLE NO.)	1			
14780	ZONESEAL ISOLATION PROCESS, ZI	1	FT	18,972.00	9,486.00
	DEPTH	10500			
	FEET/METERS (FT/M)	FT			

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<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
3589	PUMPING CHG LOW RATE NITROGEN PUMPING PRESSURE PRESSURE UNITS (PSI/MPA/BAR)	1 5000 PSI	EA	1,838.00	919.00
3565	AUTO NITROGEN PUMPING, PER JOB NUMBER OF JOBS	1 1	EA	4,712.00	2,356.00
3570	NITROGEN FLOW METER, EACH, PER DAY NUMBER OF DAYS	1 1	EA	938.00	469.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00
	Cement Materials				
100003639	SUPER FLUSH	20	SK	3,520.00	1,760.00
12302	50-50 POZ (PREMIUM)	930	SK	N/C	N/C
100003685	PREMIUM - CLASS G	465	SK	9,783.60	4,891.80
100003690	POZMIX A	32783	LB	4,258.51	2,129.25
100003691	SSA-1 - 200 MESH	15299	LB	5,507.64	2,753.82
100007865	VERSASET	77	LB	544.39	272.19
100012223	SILICALITE COMPACTED	4650	LB	7,951.50	3,975.75
100001612	DIACEL LWL	153	LB	3,205.35	1,602.67
101207218	ZONESEALANT 2000	81	GAL	8,262.00	4,131.00
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 52.39	MI	3,793.04	1,896.52
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1345 1	CF	3,981.20	1,990.60
	CAP CEMENT				
100003685	PREMIUM - CLASS G	75	SK	1,578.00	789.00
100005051	CAL-SEAL 60	9	SK	585.99	292.99
100005053	CALCIUM CHLORIDE	3	SK	439.50	219.75
	Total		USD		104,796.08
	Discount		USD		51,798.34
	Discounted Total		USD		52,997.74

Price Book Ref:
Price Date:

01 Western US
1/1/2004

Casing Hardware

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7522	CMT INTERMEDIATE CASING BOM	1		0.00	0.00
	7" Casing Hardware				
100004908	SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA	501.89	276.04
100004781	COLLAR-FLOAT- 7 8RD 17-26#/FT - 2-3/4	1	EA	619.35	340.64
100004480	CENTRALIZER-7"-CSG-8-1/2"-HINGED	25	EA	2,213.25	1,217.29
100005045	HALLIBURTON WELD-A KIT	2	EA	77.40	42.57
100004626	CLAMP - LIMIT - 7 - HINGED -	1	EA	28.88	15.88
100003161	PLUG - CMTG - TOP PLASTIC - 7 IN.	1	EA	175.56	96.56
100003183	PLUG - CMTG - BOTTOM PLASTIC - 7	1	EA	175.56	96.56
	Total		USD		3,791.89
	Discount		USD		1,706.35
	Discounted Total		USD		2,085.54

Price Book Ref:
Price Date:

01 Western US
1/1/2004

7" Intermediate	0 - 10500 ft (MD)
	0 - 10500 ft (TVD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
Casing Grade	N-80
Job Excess	15 %
6 1/8" Open Hole	10500 - 13100 ft (MD)
	10500 - 13100 ft (TVD)
Inner Diameter	6.125 in
Job Excess	25 %
4 1/2" Production	0 - 13100 ft (MD)
	0 - 13100 ft (TVD)
Outer Diameter	4.500 in
Inner Diameter	3.920 in
Linear Weight	13.50 lbm/ft
Casing Grade	HCP-110
Job Excess	0 %
Mud Type	Water Based Mud
Mud Weight	11 lbm/gal

Calculations

4 1/2" Foamed Production Casing

Spacer:

$$\begin{aligned} 935.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 112.24 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 935.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 112.24 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 468.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 56.18 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (7600.00 ft fill)

$$\begin{aligned} 5000.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 600.20 \text{ ft}^3 \\ 2600.00 \text{ ft} * 0.0942 \text{ ft}^3/\text{ft} * 25 \% &= 306.05 \text{ ft}^3 \\ \text{Primary Cement} &= 906.25 \text{ ft}^3 \\ &= 161.41 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.35 \text{ ft}^3 \\ &= 0.60 \text{ bbl} \\ \text{Tail plus shoe joint} &= 909.60 \text{ ft}^3 \\ &= 162.01 \text{ bbl} \\ \text{Total Tail} &= 474 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 13100.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1097.92 \text{ ft}^3 \\ &= 195.55 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 195.55 \text{ bbl} - 0.60 \text{ bbl} \\ &= 194.95 \text{ bbl} \end{aligned}$$

Job Recommendation

4 1/2" Foamed Production Casing

Fluid Instructions

Fluid 1: Water Spacer
Water Ahead

Fluid Density: 8.30 lbm/gal
Fluid Volume: 20 bbl

Fluid 2: Reactive Spacer
Super Flush

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

Fluid 3: Water Spacer
Water Spacer

Fluid Density: 8.33 lbm/gal
Fluid Volume: 10 bbl

Fluid 4: Primary Cement
50/50 Poz Premium (no Gel)
47 lbm/sk Premium Cement (Cement)
35.25 lbm/sk Pozmix A (Light Weight Additive)
20 % SSA-1 (Additive Material)
0.2 % Versaset (Thixotropic Additive)
5 lbm/sk Silicalite Compacted (Light Weight Additive)
0.3 % Diacel LWL (Low Fluid Loss Control)
1.5 % Zonesealant 2000 (Foamer)

Foamed Fluid Weight 11.5 lbm/gal
Fluid Weight 14.35 lbm/gal
Slurry Yield: 1.46 ft³/sk
Total Mixing Fluid: 6.30 Gal/sk
Top of Fluid: 5500 ft
Calculated Fill: 7600 ft
Volume: 162.01 bbl
Calculated Sacks: 473.78 sks
Proposed Sacks: 480 sks

Fluid 5: Water Based Spacer
Displacement

Fluid Density: 8.30 lbm/gal
Fluid Volume: 194.95 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Water Ahead	8.3	5.0	20 bbl
2	Spacer	Super Flush	9.2	5.0	20 bbl
3	Spacer	Water Spacer	8.3	5.0	10 bbl
4	Cement	Primary 50/50/0 Foam Cement	14.4	5.0	480 sks
5	Spacer	Displacement	8.3	5.0	194.95 bbl

Foam Output Parameter Summary:

Fluid #	Fluid Name	Unfoamed Liquid Volume	Beginning Density lbm/gal	Ending Density lbm/gal	Beginning Rate scf/bbl	Ending Rate scf/bbl
Stage 1						
4	Primary 50/50/0 Foam Cement	122.52bbl	11.5	11.5	265.5	634.1

Foam Design Specifications:

Foam Calculation Method: Constant Density
 Backpressure: 14.70 psig
 Bottom Hole Circulating Temp: 160 degF
 Mud Outlet Temperature: 120 degF

Calculated Gas = 55916.7 scf
 Additional Gas = 20000 scf
 Total Gas = 75916.7 scf

Cost Estimate

4 1/2" Foamed Production Casing

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7523	CMT PRODUCTION CASING BOM	1		0.00	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	497.60	248.80
	Number of Units	2			
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	844.80	422.40
	Number of Units	2			
16091	ZI - PUMPING CHARGE	1	EA	15,243.00	7,621.50
	DEPTH	13100			
	FEET/METERS (FT/M)	FT			
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	962.00	481.00
	NUMBER OF DAYS	1			
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	1,327.00	663.50
	NUMBER OF UNITS	1			
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB	749.00	374.50
	NUMBER OF UNITS	1			
90	ZI QUICK LATCH ATTACHMENT	1	JOB	286.00	143.00
	SIZE IN INCHES/MILLIMETER	4.5			
	INCHES/MILLIMETERS (IN/MM)	IN			
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	770.00	385.00
	DAYS OR FRACTION (MIN1)	1			
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	19.20	19.20
	Number of Units	3			
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	57.60	57.60
	Number of Units	3			
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	40	MI	79.97	79.97
	NUMBER OF TONS	24.99			
372867	Cmt PSL - DOT Vehicle Charge, CMT	5	EA	650.00	650.00
	Nitrogen Charges				
13459	Nitrogen Charge	99500	SCF	3,084.50	1,542.25
3587	N2 CREW MILEAGE	80	MI	248.80	124.40
	Number of Units	1			
3567	MILEAGE FOR NITROGEN EQUIPMENT	80	MI	422.40	211.20
	Number of Units	1			
3564	N2 FOAM GENERATOR, PER JOB.	1	EA	693.00	346.50
	NUMBER OF JOBS	1			
130443	ZONESEAL CERTIFIED SPECIALIST H/DAY/MO	8	H	1,384.00	692.00
	TOTAL NUMBER	1			
	HR/DAY/WEEK/MTH/YEAR/JOB/RUN				
17461	ZONESEAL EQUIP ON SITE,/DAY,ZI	1	EA	1,945.65	972.82
	DAYS OR PARTIAL DAY(WHOLE NO.)	1			
14780	ZONESEAL ISOLATION PROCESS, ZI	1	FT	18,972.00	9,486.00
	DEPTH	13100			
	FEET/METERS (FT/M)	FT			
3589	PUMPING CHG LOW RATE NITROGEN	1	EA	1,838.00	919.00
	PUMPING PRESSURE	5000			
	PRESSURE UNITS (PSI/MPA/BAR)	PSI			
3565	AUTO NITROGEN PUMPING, PER JOB	1	EA	4,712.00	2,356.00
	NUMBER OF JOBS	1			

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<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
3570	NITROGEN FLOW METER, EACH, PER DAY NUMBER OF DAYS	1 1	EA	938.00	469.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00
	Cement Materials				
100003639	SUPER FLUSH	20	SK	3,520.00	1,760.00
100003685	PREMIUM - CLASS G	240	SK	5,049.60	2,524.80
100003690	POZMIX A	16920	LB	2,197.91	1,098.95
100003691	SSA-1 - 200 MESH	7896	LB	2,842.56	1,421.28
100007865	VERSASET	79	LB	558.53	279.26
100012223	SILICALITE COMPACTED	2400	LB	4,104.00	2,052.00
100001612	DIACEL LWL	119	LB	2,493.05	1,246.52
101207218	ZONESEALANT 2000	46	GAL	4,692.00	2,346.00
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 24.99	MI	1,809.28	904.64
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	650 1	CF	1,924.00	962.00
	Total		USD		85,090.45
	Discount		USD		42,054.36
	Discounted Total		USD		43,036.09

Price Book Ref: 01 Western US
Price Date: 1/1/2004

Casing Equipment

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7523	CMT PRODUCTION CASING BOM	1		0.00	0.00
	4 1/2" Casing Equipment				
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	346.46	190.55
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	404.60	222.53
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	40	EA	2,765.20	1,520.86
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	24.26	13.34
100005045	HALLIBURTON WELD-A KIT	1	EA	38.70	21.28
100003139	PLUG - CMTG - TOP PLASTIC - 4-1/2	1	EA	113.19	62.25
100003139	PLUG - CMTG - BTM PLASTIC - 4-1/2	1	EA	113.19	62.25
	Total		USD		3,805.60
	Discount		USD		1,712.54
	Discounted Total		USD		2,093.06

Price Book Ref: 01 Western US
Price Date: 1/1/2004

Job Information

4 1/2" Conventional Production Casing

7" Intermediate	0 - 10500 ft (MD)
	0 - 10500 ft (TVD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
Casing Grade	N-80
Job Excess	15 %
6 1/8" Open Hole	10500 - 13100 ft (MD)
	10500 - 13100 ft (TVD)
Inner Diameter	6.125 in
Job Excess	25 %
4 1/2" Production	0 - 13100 ft (MD)
	0 - 13100 ft (TVD)
Outer Diameter	4.500 in
Inner Diameter	3.920 in
Linear Weight	13.50 lbm/ft
Casing Grade	P-110
Job Excess	0 %
Mud Type	Water Based Mud
Mud Weight	13 lbm/gal

Calculations

4 1/2" Conventional Production Casing

Spacer:

$$\begin{aligned} 935.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 112.24 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 935.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 112.24 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 468.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 56.18 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (7600.00 ft fill)

$$\begin{aligned} 5000.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 15 \% &= 600.20 \text{ ft}^3 \\ 2600.00 \text{ ft} * 0.0942 \text{ ft}^3/\text{ft} * 25 \% &= 306.05 \text{ ft}^3 \\ \text{Primary Cement} &= 906.25 \text{ ft}^3 \\ &= 161.41 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (40.00 ft fill)

$$\begin{aligned} 40.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.35 \text{ ft}^3 \\ &= 0.60 \text{ bbl} \\ \text{Tail plus shoe joint} &= 909.60 \text{ ft}^3 \\ &= 162.01 \text{ bbl} \\ \text{Total Tail} &= 527 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 13100.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1097.92 \text{ ft}^3 \\ &= 195.55 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 195.55 \text{ bbl} - 0.60 \text{ bbl} \\ &= 194.95 \text{ bbl} \end{aligned}$$

Job Recommendation 4 1/2" Conventional Production Casing

Fluid Instructions

Fluid 1: Water Based Spacer

Water Spacer

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Water Based Spacer

Super Flush

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Based Spacer

Water Spacer

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Primary Cement

50/50 Poz Premium (2% Gel)

0.4 % Halad(R)-344 (Low Fluid Loss Control)

0.1 % HR-12 (Retarder)

0.2 % CFR-3 (Dispersant)

5 lbm/sk Silicalite Compacted (Light Weight Additive)

20 % SSA-1 (Cement Material)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.73 ft³/sk

Total Mixing Fluid: 8.17 Gal/sk

Top of Fluid: 5500 ft

Calculated Fill: 7600 ft

Volume: 162.01 bbl

Calculated Sacks: 527.31 sks

Proposed Sacks: 530 sks

Fluid 5: Mud

Water Displacement

Fluid Density: 8.33 lbm/gal

Fluid Volume 194.95 bbl

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Water Spacer	8.3		20 bbl
2	Spacer	Super Flush	9.2		20 bbl
3	Spacer	Water Spacer	8.3		10 bbl
4	Cement	Primary 50/50/2 Cement	13.5		530 sks
5	Mud	Water Displacement	8.3		194.95 bbl

HALLIBURTON

Cost Estimate

4 1/2" Conventional Production Casing

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7523	CMT PRODUCTION CASING BOM	1		0.00	0.00
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	248.80	124.40
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT" Number of Units	80 1	MI	422.40	211.20
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 13100 FT	EA	15,243.00	7,621.50
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	962.00	481.00
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	1,327.00	663.50
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI NUMBER OF UNITS	1 1	JOB	749.00	374.50
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 4.5 IN	JOB	286.00	143.00
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	770.00	385.00
11941	"FIELD STORAGE BIN DELIVERY, ZI" Number of Units	80 1	MI	422.40	211.20
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	383.00	191.50
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	80 1	MI	6.40	6.40
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	80 1	MI	19.20	19.20
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 28.14	MI	90.05	90.05
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	520.00	520.00
	Cement Materials				
100003639	SUPER FLUSH	20	SK	3,520.00	1,760.00
12302	50-50 POZ (PREMIUM)	530	SK	9,047.10	4,523.55
100003670	HALAD(R)-344	175	LB	8,020.25	4,010.12
100005057	HR-12	44	LB	257.40	128.70
100003653	CFR-3 W/O DEFOAMER	88	LB	754.16	377.08
100012223	SILICALITE COMPACTED	2650	LB	4,531.50	2,265.75
100003691	SSA-1 - 200 MESH	8719	LB	3,138.84	1,569.42
100005049	FLOCELE	133	LB	430.92	215.46
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 28.14	MI	2,037.34	1,018.67

HALLIBURTON

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI NUMBER OF EACH	756	CF	2,237.76	1,118.88
		1			
	Total		USD		55,551.52
	Discount		USD		27,394.44
	Discounted Total		USD		28,157.08

Price Book Ref:
Price Date:

01 Western US
1/1/2004

Casing Equipment

<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Gross Amt</u>	<u>Net Amt</u>
7523	CMT PRODUCTION CASING BOM	1		0.00	0.00
	4 1/2" Casing Equipment				
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	346.46	190.55
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	404.60	222.53
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	40	EA	2,765.20	1,520.86
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	24.26	13.34
100005045	HALLIBURTON WELD-A KIT	1	EA	38.70	21.28
100003139	PLUG - CMTG - TOP PLASTIC - 4-1/2	1	EA	113.19	62.25
100003139	PLUG - CMTG - BTM PLASTIC - 4-1/2	1	EA	113.19	62.25
	Total		USD		3,805.60
	Discount		USD		1,712.54
	Discounted Total		USD		2,093.06

Price Book Ref:
Price Date:

01 Western US
1/1/2004

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 / WEXPRO
10M BOP x 5M Annular
Minimum Requirements**

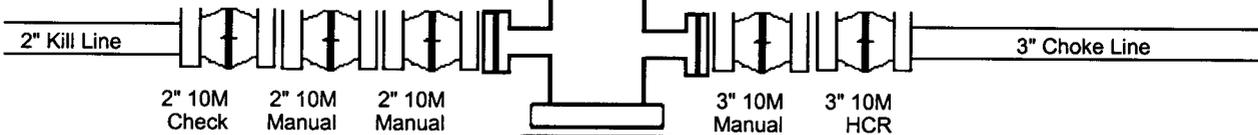
11" 5M Rotating Head

11" 5M Spacer Spool

11" 5M Annular

11" 10M Double Ram

11" 10M Drilling Spool



11" 10M Single Ram

G.L.

Mat Board

Mat Board

G.L.

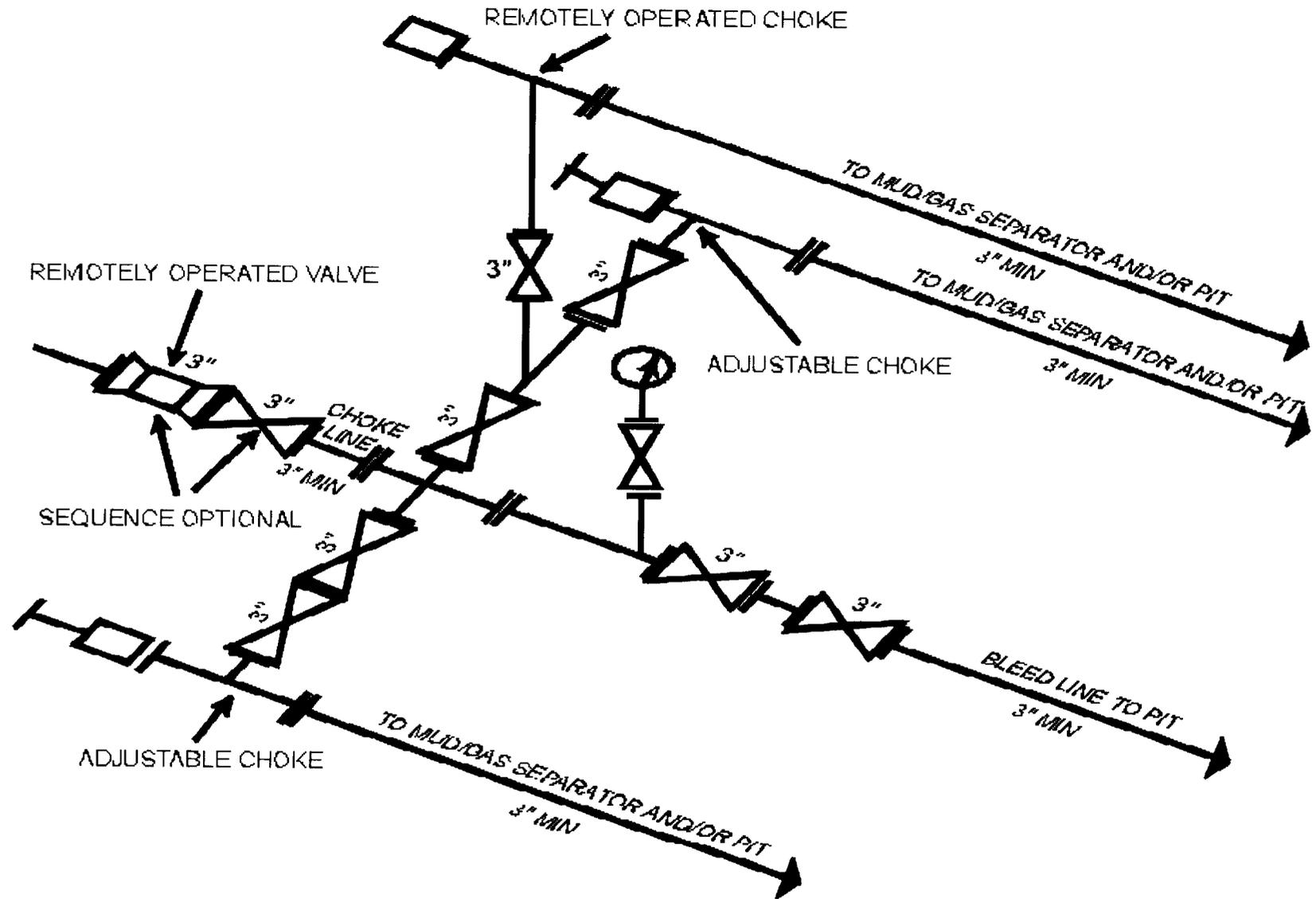
11" 10M Spacer Spool

11" 5M x 10M Multi-Bowl Head

11" 5M x 9 5/8" SOW Casing Head

QEP / Wexpro
Uinta Basin - Deep Mancos
12/23/04 - jwo

Attachment I. Diagrams of Choke Manifold Equipment



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

[54 FR 39528, Sept. 27, 1989]

Last Updated March 25, 1997 by John Broderick

ENTITY ACTION FORM

Operator: QEP Uinta Basin, Inc.
Address: 11002 East 17500 South
city Vernal
state UT zip 84078

Operator Account Number: N 2460
Phone Number: (435) 781-4342

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734900	GB 3M 27 8 21		NENW	27	8	21	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	14614	2/25/2005			3/17/05	
Comments: mnes							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:							

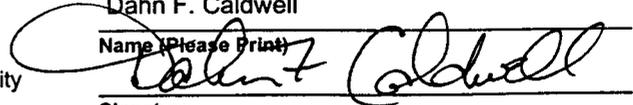
Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							RECEIVED MAR 15 2005 faxed 3/11/05

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)

DIV. OF OIL, GAS & MINING

Dahn F. Caldwell
 Name (Please Print)

 Signature
 Office Administrator II
 Title
 3/11/2005
 Date

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

011

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
Well Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NENW, 667' FNL, 1985' FWL, S27-T8S-R21E

5. Lease Designation and Serial No.
UTU-0803

6. If Indian, Allottee or Tribe Name
UTE TRIBE

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

8. Well Name and No.
GB 3M 27 8 21

9. API Well No.
43-047-34900

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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

On 2/25/05 - Drilled 12-3/8" hole to 760'. Ran 17 jts J-55 9-5/8", 36# csg. Set shoe @ 734'. Cmtd w/ 325 sxs Premium Cmt.

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

RECEIVED

MAR 15 2005

14. I hereby certify that the foregoing is true and correct.
Signed **Dahn F. Caldwell** Title **Office Administrator II** Date **3/11/05**

(This space for Federal or State office use)
Approved by: _____ Title _____ Date _____
Conditions of approval, if any _____

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0803

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
GB 3M 27-8-21

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
S27-T8S-R21E

12. COUNTY OR PARISH
UINTAH

13. STATE
UT

14. PERMIT NO.
43-047-34900

DATE ISSUED

15. DATE SPUDDED
02/25/2005

16. DATE T.D. REACHED
03/31/2005

17. DATE COMPL. (Ready to prod.)
05/25/2005

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
12760'

21. PLUG BACK T.D., MD & TVD
12721'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS

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

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
PETRES/ Triple Comp. CN 300/GR GR/CBL ARRAY INDUCTION TOOL/GR BOREHOLD COMPENSATED SONIC/GR CHILL/GR

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
9-5/8"	36#	734'	12-3/8"	325 SXS	
4-1/2"	13.5#	12760'	7-7/8"	700 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	9994'	

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

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

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

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
05/25/2005	FLOWING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
05/26/2005	24	18/64"	—————>	20	1571	325	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)
3357#	2527#	—————>				

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

35. LIST OF ATTACHMENTS
PERFORATION ATTACHMENT PG 1

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

SIGNED **JIM SIMONTON** TITLE **COMPLETION SUPERVISOR** DATE **08/02/2005**

TEST WITNESSED BY
RECEIVED
AUG 04 2005
DEPT. OF OIL, GAS & MINING

(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

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

38. GEOLOGIC MARKERS
GB 3M 27-8-21

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
UINTA	SURFACE		CONFIDENTIAL	UINTA	SURFACE		
GRRV	2395'			GRRV	2395'		
MAHOGANY	3204'			MAHOGANY	3204'		
WASATCH	5810'			WASATCH	5810'		
MESA VERDE	8945'			MESA VERDE	8945'		
BLACKHAWK	11665'			BLACKHAWK	11665'		
MANCOSB	12475'			MANCOSB	12475'		
TD	12760'			TD	12760'		

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GB 3M 27-8-21

PERFORATION DETAIL: ATTACHMENT PG 1

Open Perfs	Stimulation					
10040' - 10048'	Acidize w/	800	Gals of	28%	HCL	MMV
10244' - 10245'	Frac w/	125,200	Lbs in	63,000	Gals	LMV
10342' - 10346'						LMV
10475' - 10476'						LMV
10484' - 10485'						LMV
10503' - 10505'						LMV
10564' - 10566'						LMV
10784' - 10788'	Acidize w/	400	Gals of	28%	HCL	LMV
10998' - 11006'	Frac w/	125,000	Lbs in	61,320	Gals	LMV
11068' - 11072'						LMV
11152' - 11168'	Acidize w/	500	Gals of	28%	HCL	LMV
11717' - 11718'	Frac w/	305,000	Lbs in	166,992	Gals	Blackhawk
11726' - 11734'						Blackhawk
11780' - 11781'						Blackhawk
11789' - 11791'						Blackhawk
11882' - 11884'						Blackhawk
12051' - 12053'						Blackhawk
12273' - 12276'	Frac w/	105,000	Lbs in	66,486	Gals	Mancos
12370' - 12371'						Mancos
12530' - 12532'						Mancos
12563' - 12564'						Mancos
12608' - 12614'						Mancos
12641' - 12642'						Mancos
12651' - 12652'	Acidize w/	500	Gals of	15%	HCL	Mancos
12700' - 12701'						Mancos

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FIELD: **Natural Buttes** GL: 4788 E: 4811' Spud Date: 2/25/05 Fins: 5/25/05
WELL NAME: GB 3M 27 8 21 TD: 12,760 PBTD: 12,721' Current Well Status: Producing Gas Well
 Location: NENW, 667' FNL, 1985' FWL, Sec 27-T8S-R21E
 Uintah County, Utah API # 43-047-34900

Reason for Pull/Workover:
 Initial Completion of Gas Well

Wellbore Schematic

Tubing Landing Detail:

Description	Size	Footage	Depth
KB		23.00	23.00
305 jts. 2-3/8" EUE 8rd P-110 4.7# tbg	2-3/8"	9,937.00	9,960.00
1.81" F-nipple	1.81"	1.00	9,961.00
1 jt. 2-3/8" EUE 8rd P-110 4.7# tbg	2-3/8"	33.00	9,994.00
EOT @			9,994.00

Tubing Information:
 Condition: _____
 New: X Used: _____ Rerun: _____
 Grade: P-110 EUE 8rd
 Weight (#/ft): 4.7#

Pump Information:
 API Designation: _____
 Example: 25 x 150 x RHAC X 20 X 6 X 2
 Pump SN#: _____ Original Run Date: _____
 RERUN _____ NEW RUN _____

ESP Well	Flowing Well
Cable Size: _____	SN @ _____ 9961'
Pump Intake @ _____	PKR @ _____
End of Pump @ _____	EOT @ _____ 9994'

Wellhead Detail: Example: 7-1/16" 3000#

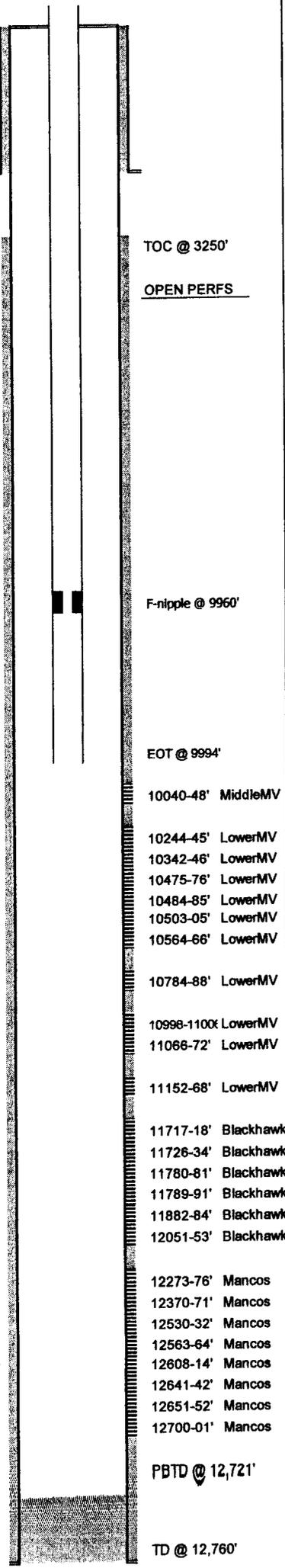
 Other: _____
 Hanger: Yes _____ No X

SUMMARY
 Perf. following Mancos Intervals @ 3 SPF: 12273-76', 12370-71', 12530-32, 12563-64', 12608-14', 12641-42', 12651-52', & 12700-701'.
 Acidize perforated Mancos Intervals from 12273-12701' with 500 gal. 15% HCL.
 Frac gross perforated Mancos interval 12272-12701'. Total 5000# 100 mesh sand & 100M# of 20/40 mesh Econprop. 1583 bbl frac fluid. ATR=56.7BPM; ATP=8057#; ISIP=6000#.
 Perf. following Blackhawk Intervals @ 2spf: 11717-18', 11726-34', 11780-81', 11789-91', 11882-84', & 12051-53'.
 Frac gross perforated Blackhawk Interval 11717-12053'. Total 5M# 100 mesh sand & 300M# 20/40 r Econprop. 3976 bbl frac fluid; ATR=59.3BPM; ATP=7208#; ISIP=4948#.
 Perf LMV interval 11152-68' @ 3 SPF.
 Breakdown interval 11152-68' with 500 gal. 28% HCL. STR=4.2BPM; STP=3954#; ISIP=3799#.
 Perf. LMV intervals 10998-11006' & 11066-72' @ 2 SPF.
 Frac gross perforated LMV Intervals from 10998-11072'. Total 5000# 100 mesh sand & 120,000# 20/40 mesh Econprop. 1460 bbl frac fluid; ATR=46.6BPM; ATP=5393#; ISIP=4264#.
 Perf. LMV interval 10784-88' @ 2 SPF. Breakdown w/400 gal. 28% HCL @ 3.7 BPM @ 3646#; ISIP=3
 Perf. Following LMV intervals @ 2 SPF: 10244-45', 10342-46', 10475-76', 40484-85', 10503-05', & 10564-66'.
 Frac gross perforated LMV interval from 10244-10566'. Total 5000# 100 mesh sand & 120200# 20/4 mesh sand. 1500bbl frac fluid; ATR=50.5BPM; ATP=5733#; ISIP=4084#.
 Perf. MMV interval 10040-48' @ 3 SPF. Pump 800 gal. 28% HCL acid with break @ 6903#. Pumped 5.5 BPM at 3300# with an ISIP=2990#

Surface casing
 Size: 9.5/8"
 Weight: 36#
 Grade: J-55
 Cemented
 W/ 325 sxs
 Set @ 734'
 Hole size: 12-3/8"

EXCLUDED PERFS

Intermediate Csg
 Size: 7"
 Weight: 26#
 Grade: P-110
 Cemented
 W/ sxs
 Set @ 10,037' (Driller) [10,048 Logger]
 Hole size: _____



TOC @ 3250'
 OPEN PERFS
 F-nipple @ 9960'
 EOT @ 9994'
 10040-48' MiddleMV
 10244-45' LowerMV
 10342-46' LowerMV
 10475-76' LowerMV
 10484-85' LowerMV
 10503-05' LowerMV
 10564-66' LowerMV
 10784-88' LowerMV
 10998-11006' LowerMV
 11066-72' LowerMV
 11152-68' LowerMV
 11717-18' Blackhawk
 11726-34' Blackhawk
 11780-81' Blackhawk
 11789-91' Blackhawk
 11882-84' Blackhawk
 12051-53' Blackhawk
 12273-76' Mancos
 12370-71' Mancos
 12530-32' Mancos
 12563-64' Mancos
 12608-14' Mancos
 12641-42' Mancos
 12651-52' Mancos
 12700-01' Mancos
 PBTD @ 12,721'
 TD @ 12,760'

Production Casing
 Size: 4-1/2"
 Weight: 13.5#
 Grade: P-110
 Cemented
 W/ 700 sxs
 Set @ 12,760'
 Hole size: 7-7/8"

WEEKLY OPERATIONS REPORT – June 23, 2005

QEP

UINTA BASINJOBS R21E S-27
43-049-34900**“Drilling Activity – Operated” 6-16-05**

- Patterson #51 – WRU EIH 16ML-23-8-22 drilling at 3,571 feet. PTD 10,769' MD. Next well SG 6ML-11-8-22. PTD 11,200' MD.
- Patterson #52 – GHU 1G-17-8-21 drilling at 910 feet. Grass roots G-1 Lime horizontal well. Kickoff point is 4949'. Next well WV 12G-10 horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling at 10,205 feet. PBTD 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – GB 7M-28-8-21 drilling at 11,552 feet. PTD 12,850'. Next well EIH X 8MU-25-8-22. PBTD 8,700'.

“Completions & New Wells to Sales” 6-16-05:

FR 9P-36-14-19: (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) up tbg to sales; RU CTU and drilled out final plug last Sat.; currently making 5.1 Mmcfpd @ 642 psi FTP & 1275 psi CP on a 23/64" & 25/64" choke w/ 93 BWPD & 8 BOPD.

GB 3M-27-8-21: (77.5% WI) Well went to sales Weds. May 25th; tied into HP line on Tues. May 31st; currently flowing to sales @ 1.22 mmcfpd @ 465 psi FTP and 1018 psi CP thru 2 units w/ wide-open chokes; w/ 240 BWPD & 20 BOPD.

CWD 4ML-32-8-24: (36.13% WI) 6 fracs pumped Tues./Weds.; well was flowing @ 825 psi FCP on a 24/64" w/ 30 BWPH; lubed in comp. BP and currently drilling plugs.

EIH X 1MU-25-8-22: (100% WI) Frac'ing today w/ BJ.

WEEKLY OPERATIONS REPORT – June 16, 2005

QEP

UINTA BASINTOBS R21E 527
43-047-34900**“Drilling Activity – Operated” 6-16-05**

- Patterson #51 – WRU EIH 16ML-23-8-22 drilling at 3,571 feet. PTD 10,769' MD. Next well SG 6ML-11-8-22. PTD 11,200' MD.
- Patterson #52 – GHU 1G-17-8-21 drilling at 910 feet. Grass roots G-1 Lime horizontal well. Kickoff point is 4949'. Next well WV 12G-10 horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling at 10,205 feet. PTD 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – GB 7M-28-8-21 drilling at 11,552 feet. PTD 12,850'. Next well EIH 8MU-25-8-22. PTD 8,700'.

“Completions & New Wells to Sales” 6-16-05:

FR 9P-36-14-19: (100% WI) Flowing well (Dakota, Cedar Mtn., Morrison, Entrada, & Wingate) up tbg to sales; RU CTU and drilled out final plug last Sat.; currently making 5.1 Mmcfpd @ 642 psi FTP & 1275 psi CP on a 23/64" & 25/64" choke w/ 93 BWPD & 8 BOPD.

GB 3M-27-8-21: (77.5% WI) Well went to sales Weds. May 25th; tied into HP line on Tues. May 31st; currently flowing to sales @ 1.22 mmcfpd @ 465 psi FTP and 1018 psi CP thru 2 units w/ wide-open chokes; w/ 240 BWPD & 20 BOPD.

CWD 4ML-32-8-24: (36.13% WI) 6 fracs pumped Tues./Weds.; well was flowing @ 825 psi FCP on a 24/64" w/ 30 BWPH; lubed in comp. BP and currently drilling plugs.

EIH 1MU-25-8-22: (100% WI) Frac'ing today w/ BJ.

WEEKLY OPERATIONS REPORT – June 2, 2005

QEP

UINTA BASINTOBS RATE 5-27
43-047-34900**“Drilling Activity – Operated” 5-26-05**

- Patterson #51 – WRU EIH 15ML-24-8-22 drilling at 7,465 feet. PTD 10,300 MD. Next well WRU EIH 16ML-23-8-22 directional pad well. PTD 10,769' MD.
- Patterson #52 – RW 12-35B (296) 5,958 feet drilling NE lateral, 91.3° inclination, 67.6° azimuth. Will drill two 2,100' laterals. 5-1/2" casing liner run across build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling/sliding at 2,115 feet. PBTDD 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – EIH 7MU-25-8-22 drilling at 6,000 feet. PTD 8,700'. Next well GB 7M-28-8-21, drill production hole. PBTDD 12,850'.

“Completions & New Wells to Sales” 6-2-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently SI due to rigwork; RIH w/ CTU Friday to circ. out ~25' fill above bit to try and est. circ. to drill out Wingate plug.

GB 3M-27-8-21: (77.5% WI) Well went to sales Weds. May 25th; tied into HP line on Tues. May 31st; currently flowing to sales @ 2.06 mmcfpd @ 468 psi FTP and 1122 psi CP thru 2 units w/ wide-open chokes; w/ 443 BWPD & 8 BOPD.

EIH 2MU-25-8-22: (100% WI) Fracs set for Friday.

WRU EIH 14MU-35-8-22: (43.75% WI) 6 frac stages pumped last week; flowed over weekend; MIRU Weds.; drilling plugs.

WEEKLY OPERATIONS REPORT – May 26, 2005

QEP

T O B S R 2 I E S A T
43-047-34900**UINTA BASIN****“Drilling Activity – Operated” 5-26-05**

- Patterson #51 – WRU EIH 15ML-24-8-22 drilling at 7,465 feet. PTD 10,300 MD. Next well WRU EIH 16ML-23-8-22 directional pad well. PTD 10,769' MD.
- Patterson #52 – RW 12-35B (296) 5,958 feet drilling NE lateral, 91.3° inclination, 67.6° azimuth. Will drill two 2,100' laterals. 5-1/2" casing liner run across build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – WRU EIH 13ML-24-8-22 drilling/sliding at 2,115 feet. PBTB 10,754' MD. Next well WRU EIH 14ML-24-8-22. PTD 10,383' MD.
- Caza #57 – EIH X 7MU-25-8-22 drilling at 6,000 feet. PTD 8,700'. Next well GB 7M-28-8-21, drill production hole. PBTB 12,850'.

“Completions & New Wells to Sales” 5-26-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently SI due to QPC line pressures and not being firm transportation; MI rig to drill out Wingate plug.

GB 3M-27-8-21: (77.5% WI) Mancos frac'd w/ 100 Mlbs. Econoprop @ 56 BPM & 8057 psi; Blackhawk frac'd w/ 300 Mlbs. Econoprop @ 59 BPM & 7208 psi; frac's went well; remaining MV stages (3 acid jobs & 2 fracs) went well next day; well went to sales Weds. May 25th; Currently flowing to sales @ 2.97 mmcfpd @ 2411 psi FTP and 3365 psi CP on a 17/64" ck. w/ 300 BW & 17 oil in first 16 hrs.

SG 2MU-11-8-22: (43.75% WI) Frac'd. Monday; swabbing well in today to go to sales.

WRU EIH 14MU-35-8-22: (43.75% WI) 3 frac stages pumped; will finish remaining 3 today; appears we got good data in the offset monitoring well.

WEEKLY OPERATIONS REPORT – May 19, 2005

QEP

UINTA BASINT08S R21E S-27
43047-34900**“Drilling Activity – Operated” 5-19-05**

- Patterson #51 – WRU EIH 15ML-24-8-22 rigging up, will spud today. PTD 10,300 MD. Next well WRU EIH 16ML-23-8-22 directional pad well. PTD 10,769' TVD.
- Patterson #52 – RW 12-35B (296) 5,498 feet drilling NE lateral landing in zone, 89.2° inclination. Will drill two 2,100' laterals. 5-1/2" casing liner on location to cover up build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – EIH 1MU-25-8-22 drilling at 7,315 feet. PBT 8,700'. Next well WRU EIH 13ML-24-8-22. PTD 10,754'.
- Caza #57 – EIH 7MU-25-8-22. rigging up, will spud today. PTD 8,700'. Next well GB 7M-28-8-21, drill production hole. PBT 12,850'.

“Completions & New Wells to Sales” 5-19-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.53 Mmcfpd @ 345 psi FCP through compressor; cylinder problems @ compressor today; will be fixed by Monday; well will flow to discharge side until then; MI rig to drill out Wingate plug next week.

GB 3M-27-8-21: (77.5% WI) Mancos frac'd w/ 100 Mlbs. Econoprop @ 56 BPM & 8057 psi; Blackhawk frac'd w/ 300 Mlbs. Econoprop @ 59 BPM & 7208 psi; frac's went well Tues; remaining MV stages (3 acid jobs & 2 fracs) went well Weds.; lubed in a kill comp. BP Thurs. a.m., TIH to drill plugs today.

WV 1MU-16-8-21: (100% WI) Going to sales today.

WEEKLY OPERATIONS REPORT – May 12, 2005

QEP

UINTA BASIN

TOBS R21E S-27
43-047-34900

“Drilling Activity – Operated” 5-12-05

- Patterson #51 – WRU EIH 12ML-24-8-22 drilling at 9,926 feet MD, 2.7° inclination, 24.0° azimuth. PTD 10,500 MD. Next well WRU EIH 15ML-23-8-22 directional pad well. PTD 10,300' TVD.
- Patterson #52 – RW 12-35B (296) 5,012 feet drilling NE lateral building angle, 14.2° inclination. Will drill two 2,100' laterals. 5-1/2" casing liner on location to cover up build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – EIHX 2MU-25-8-22 ran casing, cemented and rigging down for move. Next well EIHX 1MU-25-8-22. PTD 8,700'.
- Caza #57 – WRU EIH 14MU-35-8-22 drilling at 7,195 feet. PTD 8,200'. Next well EIHX 7MU-25-8-22. PTD 8,700'.
- True #30 – GB 7M-28-8-21 TD 9,975 feet, ran 7" intermediate casing, cemented and rigging down to move to Pinedale. PTD 12,850'. Will finish well with Caza 57.

“Completions & New Wells to Sales” 5-12-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.8 Mmcfpd @ 363 psi FCP through compressor.

GB 3M-27-8-21: (77.5% WI) MIRU rig this week; currently MI tanks, wtr.; HP manifold will be rigged up Sun.; perf. Mon.; all frac set for Tues./Weds. (5/17-18).

WV 1MU-16-8-21: (100% WI) Fracs. Thurs./Fri. this week.

* One important workover to note – the WV 5G-16-8-21 lateral was acidized late last week; currently flowing 201 BOPD, 162 BWPD & 101 mcfpd.

WEEKLY OPERATIONS REPORT – April 28, 2005

QEP

UINTA BASIN

TOBS RAIF S-27
43-040-34900

“Drilling Activity – Operated” 4-28-05

- Patterson #51 – WRU EIH 12ML-24-8-22 drilling at 5,491 feet MD, 4.0° inclination, 197.7° azimuth dropping angle. PTD 10,500 MD. Next well WRU EIH 13ML-24-8-22 directional pad well. PTD 10,400' TVD, 10,754' MD.
- Patterson #52 – RW 12-36B (240) wash and ream to TD at 7,162 feet NW lateral. Waiting on liner to show up. Will drill NE lateral next. Next well RW 12-35B horizontal well with two 2,100' laterals.
- True #26 – SG 2MU-11-8-22 rigging up to make second logging run. First run logs stopped at 8,554' and logged up. PTD 9,600'. Next well EIH 2MU-25-8-22. PTD 8,700'.
- Caza #57 – BSW 11ML-12-9-24 rig repair and changing items to BLM specs. PTD 5,000'/7,100' (Farmout to True Oil Co.). Next well EIH 2MU-25-8-22. PTD 8,700'.
- Caza #24 – GB 3M-27-8-21 released rig 4-26-05. Waiting on trucks to move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 at TD tripping out of hole to log. TD 13,043'. Next well – move to Pinedale.
- True #30 – GB 7M-28-8-21 drilling at 5,665 feet. PTD 12,850'. Next well – move to Pinedale.

“Completions & New Wells to Sales” 4-28-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.09 Mmcfpd @ 884 psi FCP on a 2 open chokes; compressor pad ROW signed by tribe 4/15; compressor started construction 4/27/05.

WV 14M-11-8-21: (100% WI) Returned to sales 4/13. Currently flowing 537 mcfpd @ 300 psi FTP on 29/64” choke. Well was SI during slickline operations, built pressure to 3,000 psi in 4 hrs.

WV 3G-10-8-21: (100% WI) To sales 4/19/05. Currently producing 217 BOPD, 40 BWPD.

GB 14M-28-8-21: (77.5% WI) Returned to sales 4/22/05 after drilling out remaining plugs. Currently producing 4.6 mmcfpd @ 319 psi FTP & 100 BWPD.

WH 15G-10-7-24: (100% WI) P&A'd.

GB 3MU-3-8-22: (77.5% WI) to sales 4/21/05. Currently producing 212 mcfpd. Started plunger lift.

SG 8MU-11-8-21: (43.75% WI) to sales 4/26/05. Currently producing 1.39 mmcfpd @ 1760 psi on 12/64” choke.

SG 7MU-11-8-21: (43.75% WI) to sales 4/27/05.

WEEKLY OPERATIONS REPORT – April 21, 2005

QEP

UINTA BASIN

TOBS RAIF 5-27
43-047-34900

“Drilling Activity – Operated” 4-21-05

- Patterson #51 – WRU EIH 12ML-24-8-22 drilling at 3,155 feet MD, 6.9° inclination, 165.9° azimuth. PTD 10,500 MD. Next well WRU EIH 13ML-24-8-22 directional pad well. PTD 10,400' TVD, 10,754' MD.
- Patterson #52 – RW 12-36B (240) washing and reaming at 5,600 feet. Current TD is 6,699 feet, 86.2° angle, 267.8° azimuth., NW lateral. Have had a lot of problems with the hole sloughing and having to wash & ream to clean it out. Drill two 2,600' laterals. Next well RW 12-35B horizontal well with two 2,100' laterals.
- True #26 – SG 2MU-11-8-22 drilling sidetrack at 5,785', lost 500 bbl of mud in last 24 hours. PTD 9,550'. Next well EIH 2MU-25-8-22. PTD 8,700'.
- Caza #57 – WV 1MU-16-8-21 circulating at 9,772 feet for rig repair. Sprocket came off the shaft on the hydromatic. PTD 9,985'. Next well BSW 11ML-12-9-24. PTD 5,000' (farmout to True Oil Co.). Must spud by 5-1-05.
- Caza #24 – GB 3M-27-8-21 drilling at 12,647 feet. PTD 12,900'. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 drilling at 11,830 feet. PTD 13,100'. Next well – move to Pinedale.
- True #30 – GB 7M-28-8-21 drilling at 2,122 feet. PTD 12,850'. Next well – move to Pinedale.

“Completions & New Wells to Sales” 4-22-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.76 Mmcfpd @ 889 psi FCP on a 2 open chokes; compressor pad ROW signed by tribe 4/15; start construction Monday.

WV 14M-11-8-21: (100% WI) Returned to sales 4/13. Currently flowing 664 mcfpd @ 146 psi FTP on 48/64” choke.

WV 3G-10-8-21: (100% WI) To sales 4/19/05. Currently producing 221 BOPD, 65 BWPD.

GB 14M-28-8-21: (77.5% WI) Returned to sales 4/22/05 after drilling out remaining plugs. Currently producing 4 mmcfpd @ 900 psi FTP & 64 BWPH.

WH 15G-10-7-24: (100% WI) P&A'd.

GB 3MU-3-8-22: (77.5% WI) to sales 4/21/05. Currently producing 332 mcfpd.

SG 8MU-11-8-21: (43.75% WI) to sales 4/22/05.

WEEKLY OPERATIONS REPORT – April 14, 2005

QEP

UINTA BASIN

TOBS R 21E S-27
43-049-34900

“Drilling Activity – Operated” 4-14-05

- Patterson #51 – WRU EIH 11ML-24-8-22 TD at 10,582 feet MD. Short trip for logs. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391' TVD, 10,430' MD.
- Patterson #52 – RW 12-36B (240) directionally drilling at 5,882 feet, 83.6° angle, 299.4° azimuth., NW lateral. Drill two 2,600' laterals. Next well RW 12-35B horizontal well with two 2,100' laterals.
- True #26 – SG 2MU-11-8-22 fishing stuck drill pipe at 3,122', made back off trying to kill water flow. PTD 9,550'. Next well BSW 11ML-12-9-24. PTD 7,100' (farmout to True Oil Co.).
- Caza #57 – WV 1MU-16-8-21 drilling at 6,324 feet. PTD 9,985'. Next well WRU EIH 14MU-35-8-22. PTD 8,200'.
- Caza #24 – GB 3M-27-8-21 drilling at 11,162 feet. PTD 12,900'. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 11,147 feet, tripping in hole after bit change. PTD 13,100'. Next well – move to Pinedale.
- True #30 – GB 7M-28-8-21 starting rig up. 100% of rig on location. PTD 12,850'.

“Completions & New Wells to Sales” 4-15-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.76 Mmcfpd @ 889 psi FCP on a 2 open chokes; compressor pad ROW signed by tribe 4/15; start construction Monday.

WV 14M-11-8-21: (100% WI) Drilled out plugs earlier this week; landed tbg.; went to sales 4/13; currently flowing 930 mcfpd @ 250 psi FTP & 883 psi CP w/ 25 BOPD & 302 BWPD on a 29/64” ck.

WV 3G-10-8-21: (100% WI) TIH into lateral (w/in 20' of “toe”); circ. 2000 gal. of 28% HCl; displaced into formation at low rates; TOOH w/ workstring; TIH w/ prod. tbg.; started to swab this a.m.; well started flowing @ 30 BFPH w/ 100%oil; redesigning rod pump this p.m.; will run rods and pump Mon.; oil was captured in frac. tank and will be transferred to prod. tank Mon. so it can be sold.

WH 15G-10-7-24: (100% WI) Prep. to PxA.

GB 3MU-3-8-22 & the GB 7MU-36-8-21 going to sales 4/15 & 4/16 respectively.

WEEKLY OPERATIONS REPORT – April 7, 2005

QEP

UINTA BASINJOBS R 21E S-27
43-047-34900“Drilling Activity – Operated” 4-7-05

- Patterson #51 – WRU EIH 11ML-24-8-22 drilling at 9,427 feet. PTD 10,600' MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391' TVD, 10,430' MD.
- Patterson #52 – RW 12-36B (240) directionally drilling at 5,319 feet, 69.4° angle, 329.9° azimuth., NW lateral. Drill two 2,600' laterals. Next well RW 12-35B horizontal well with two 2,100' laterals.
- True #26 – SG 7MU-11-8-22 at TD 9,375 feet running logs. Next well SG 2MU-11-8-22. PTD 9,550'.
- Caza #57 – WV 1MU-16-8-21 rigged up waiting on clutch to be repaired. PTD 9,985'. Next well WRU EIH 14MU-35-8-22. PTD 8,200'.
- Caza #24 – GB 3M-27-8-21 drilling at 10,050 feet. Intermediate casing set at 10,015'. PTD 12,900'. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 10,210 feet, intermediate casing point, picking up 3-1/2" DP to drill out. PTD 13,100'. Next well – move to Pinedale.

“Completions & New Wells to Sales” 4-8-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 4.23 Mmcfpd @ 918 psi FCP on a 2 open chokes; compressor set to deliver on April 13th.

WV 14M-11-8-21: (100% WI) MI rig Weds.; after TIH 3 jts. to drill out plugs; rig had mechanical problems; est 2-3 days to fix and then con't. drilling out plugs Mon.

GB 3MU-3-8-22: (77.5% WI) 1st MV frac screened-out yesterday; was pumped @ 25 BPM due to proximal wet sands; MIRU rig to c/o; fracs rescheduled for Tues.

WV 3G-10-8-21: (100% WI) MIRU Thurs.; had to fix hydraulic hose; PU tbg. into derrick, so TI process is faster; next steps will be drilling out comp. BP and TIH into lateral to spot acid.

WH 15G-10-7-24: (100% WI) Pt7 & Oy2 zones wet; moved uphole to Ou6, Mv5 & Mu6 & acidized;

EIH 15MU-25-8-22, EIH 9MU-25-8-22, & GB 4MU-36-8-21 all going to sales 4/7 & 4/8.

WEEKLY OPERATIONS REPORT – March 31, 2005

QEP

UINTA BASINT095 R21E S-27
43-047-3490“Drilling Activity – Operated” 3-31-05

- Patterson #51 – WRU EIH 11ML-24-8-22 directionally drilling at 8,165 feet to correct deviation problem. PTD 10,600' MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391' TVD, 10,430' MD.
- Patterson #52 – RW 12-36B (240) set oriented lug packer, currently gyroing packer. Will pick up whipstock to mill first window. Drill two 2,600' laterals. Next well RW 12-35B horizontal well with two 2,100' laterals.
- True #26 – SG 7MU-11-8-22 drilling at 2,830 feet. PTD 9,500'. Next well SG 2MU-11-8-22. PTD 9,550'.
- Caza #57 – WV 1MU-16-8-21 rigging up waiting on draw works. Should be on location Saturday. Should spud Sunday or Monday. PTD 9,985'. Next well WRU EIH 14MU-35-8-22. PTD 8,200'.
- Caza #24 – GB 3M-27-8-21 drilling at 9,793 feet. Intermediate casing point approximately 10,200'. PTD 12,900'. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 10,210 feet TD intermediate casing point, running logs. PTD 13,100'. Next well – move to Pinedale.

“Completions & New Wells to Sales” 3-31-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 4.61 Mmcfd @ 1533 psi FCP on a 30/64” choke; plan to go to 7 Mmcfd rate Friday.

WV 14M-11-8-21: (100% WI) Frac'd Mancos B, Mancos Shale, Blackhawk, Lower Mesa Verde, & Middle Mesa Verde w/ 640,000 lbs 20/40 Econoprop, 100,000 lbs 30/50 Econoprop, & 25,000 lbs 100 Mesh sand; flowing @ 1900 psi FCP on a 40/64” & a 32/64” ck. after drilling top kill plug; landed tbg. in BOP's and took well to sales last Friday to deplete off some pressure; currently flowing to sales @ 1.5 Mmcfd @ 1080 psi FCP on a 39/64” ck. w/ 23 BOPD & 583 BWPD; pressure was relatively stable first 4 days (3500+ psi FCP) and then has abruptly dropped last few days; appears some flow-thru frac plugs have probably plugged off; will MI rig ASAP to drill out plugs and get everything open again.

DS 1G-7-10-18: (71.875% WI) Frac'd Green River 'C' Shoal; frac. went well; setting PU Friday (it needed some repair).

WH 15G-10-7-24: (100% WI) Pt7 zone wet; moved uphole to Oy2.

EIHX 15MU-25-8-22, EIHX 9MU-25-8-22, & GB 4MU-36-8-21 all in various stages of fracing.

WEEKLY OPERATIONS REPORT – March 24, 2005

QEP

UINTA BASINT085 R21E S27
43-047-34900**“Drilling Activity – Operated” 3-24-05**

- Patterson #51 – WRU EIH 11ML-24-8-22 drilling at 6,982 feet back to vertical. Will trip today to lay down directional tools. 7” intermediate casing set at 4,155’. PTD 10,600’ MD. Next well WRU EIH 12ML-24-8-22 directional pad well. PTD 10,391’ TVD, 10,430’ MD.
- Patterson #52 – WV 3G-10-8-21 drilling at 7,578 feet horizontal in zone. Drill one 2,600’ lateral. PTD 8,275’. Next well RW 12-36B horizontal well with two 2,100’ laterals.
- True #26 – SG 8MU-11-8-22 drilling at 7,896 feet. PTD 9,500’. Next well SG 7MU-11-8-22. PTD 9,500’.
- Caza #57 – WV 1MU-16-8-21 rig moving out of Wamsutter, WY today. Should all be on location tomorrow. Spud late next week after draw works are repaired.
- Caza #24 – GB 3M-27-8-21 installing wear bushing and getting ready to pick up BHA to drill out CBP after repairing surface casing. Current TD is 7,367’. Next casing point 10,300’. PTD 12,900’. Next well - move to Pinedale.
- Patterson #413 – WRU GB 5M-9-8-22 drilling at 7,950 feet. Next casing point 10,500’. PTD 13,100’. Next well – move to Pinedale.

“Completions & New Wells to Sales” 3-25-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; Comet shut down downstream compressor this week, which allowed us to flow unrestricted against the higher LP; currently flowing 4.31 Mmcfpd @ 1695 psi FCP on a 22/64” choke; will monitor FCP over weekend and open up to higher volume Monday; QEP lease compressor scheduled to be on site in 2 ½ weeks.

WV 14M-11-8-21: (100% WI) Frac'd Mancos B, Mancos Shale, Blackhawk, Lower Mesa Verde, & Middle Mesa Verde w/ 640,000 lbs 20/40 Econoprop, 100,000 lbs 30/50 Econoprop, & 25,000 lbs 100 Mesh sand; flowing @ 1900 psi FCP on a 40/64” & a 32/64” ck. after drilling top kill plug; do not want to overpressure tbg. and pump-off bit to drill the 4 flow thru plugs while circ., so landed tbg. in BOP's and will take well to sales today to deplete some pressure and ensure smooth operation drilling plugs in near future; have one 5 Mmcfpd sep. on location; will MI another soon and need QGM dedicated high pres. line to be installed to open well up beyond 5 Mmcfpd.

GHU 19 RHZ: (100% WI) Pumped 4000 gal. 28% gelled acid Weds.; well pumping 121 BO in first 20 hrs. post-treatment load; 6 BWPd & 32 mcfpd.

DS 14G-8-10-18: (71.875% WI) Started PU Tues.; currently making 48 BOPD, 17 BWPd & 0 mcfpd.

DS 1G-7-10-18: (71.875% WI) Frac'd Green River 'C' Shoal Thurs.; frac. went well.

WRU EIH 10MU-23-8-22: (36% WI) 8 stages frac'd. Weds. into Thurs.; FCP Friday a.m. was 1050# on a 24/64” w/ 30 BWPd.

EIHX 14MU-25-8-22: (100% WI) 2 stages frac'd. Tues.; perf guns got stuck coming out of hole for 3rd stage; have successfully fished; finishing fracs today (Friday).

WH 15G-10-7-24: (100% WI) MIRU yesterday.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

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

1/1/2007

FROM: (Old Operator):

N2460-QEP Uinta Basin, Inc.
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 672-6900

TO: (New Operator):

N5085-Questar E&P Company
 1050 17th St, Suite 500
 Denver, CO 80265

Phone: 1 (303) 672-6900

CA No.

Unit:

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
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	SESW	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
WV FU 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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	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	SENE	24	080S	240E	4304737532		Federal	GW	APD
COY 6ML-21-8-24	COY 6ML-21-8-24	SENE	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	SENE	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.

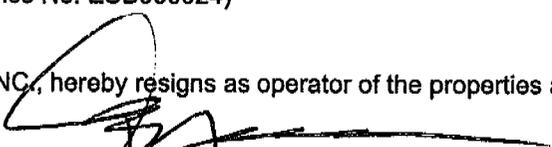
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street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

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

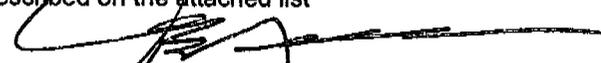
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/>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

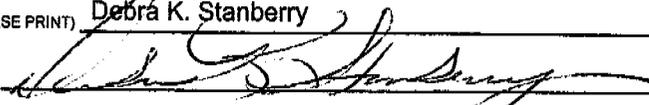
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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


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

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


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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

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DIV. OF OIL, GAS & MINING



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 date 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

RECEIVED
JAN 28 2008
DIV. OF LAND, OIL & GAS

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

1. Type of Well Oil <input type="checkbox"/> Well Gas <input type="checkbox"/> Well <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. UTU- 0803
2. Name of Operator QUESTAR EXPLORATION & PRODUCTION CO.		6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. 1571 E. 1700 S. Vernal, UT 84078		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NENW, SEC 27-T8S-R21E, 667' FNL, 1985' FWL		8. Well Name and No. GB 3M 27 8 21
		9. API Well No. 43-047- 34900
		10. Field and Pool, or Exploratory Area NATURAL BUTTES
		11. County or Parish, State UINTAH, UT

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

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

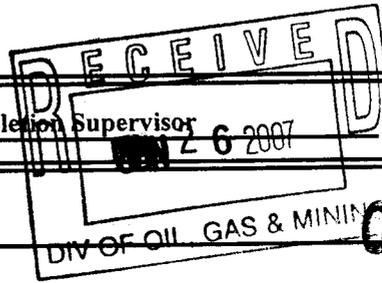
(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)
This Workover is to isolate water and squeeze off and return well to production & it was completed between 8/04/05 – 8/18/05.

- 1- Set a Weatherford 4-1/2" CBP at 11300'. Set a 4-1/2" cement retainer on WL at 11090'.
- 2- Attempt to pump into perfs 11,152' – 11,168' down the tbg and thru the retainer and could not pump into the perfs @ 6000#. RDMO Halliburton.
- 3- Tag cement retainer at 11090' and drill out retainer. Drill out CBP at 11300'. Tag PBTD at 12,713' Pull bit to 12502' and land tbg in hanger.
- 4- ND BOP's and NUWH.
- 5- Drop ball and shear pump off bit sub assembly.
- 6- On 8/18/05 - Final report of workover. There was no squeeze work performed and only lowered tbg. Tubing Detail: 1jt; 1.81 "F"-nipple and 382 jts of tbg to surface. All tbg. is 2-3/8" EUE, 8rd, P-110, 4.7#. Tubing tail at 12,502' and "F" nipple at 12,467' KB depths.

14. I hereby certify that the foregoing is true and correct.
Signed Jim Simonton *Jim Simonton* Title Completion Supervisor Date 6/21/07

(This space for Federal or State office use)
Approved by: _____ Title _____



CONFIDENTIAL

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

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

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

6/14/2010

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

CA No.

Unit:

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
See attached

7. UNIT or CA AGREEMENT NAME:
See attached

8. WELL NAME and NUMBER:
See attached

9. API NUMBER:
Attached

10. FIELD AND POOL, OR WILDCAT:
See attached

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

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

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

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

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

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

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

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

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

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

(This space for State use only)

RECEIVED
JUN 28 2010

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

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

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

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

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

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well_name	sec	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

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS