

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**013**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective:		<b>2/1/2003</b>
<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>	
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	

**CA No. Unit:**

**WELL(S)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 9/11/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/11/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

**STATE WELL(S) BOND VERIFICATION:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE WELL(S) BOND VERIFICATION:**

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

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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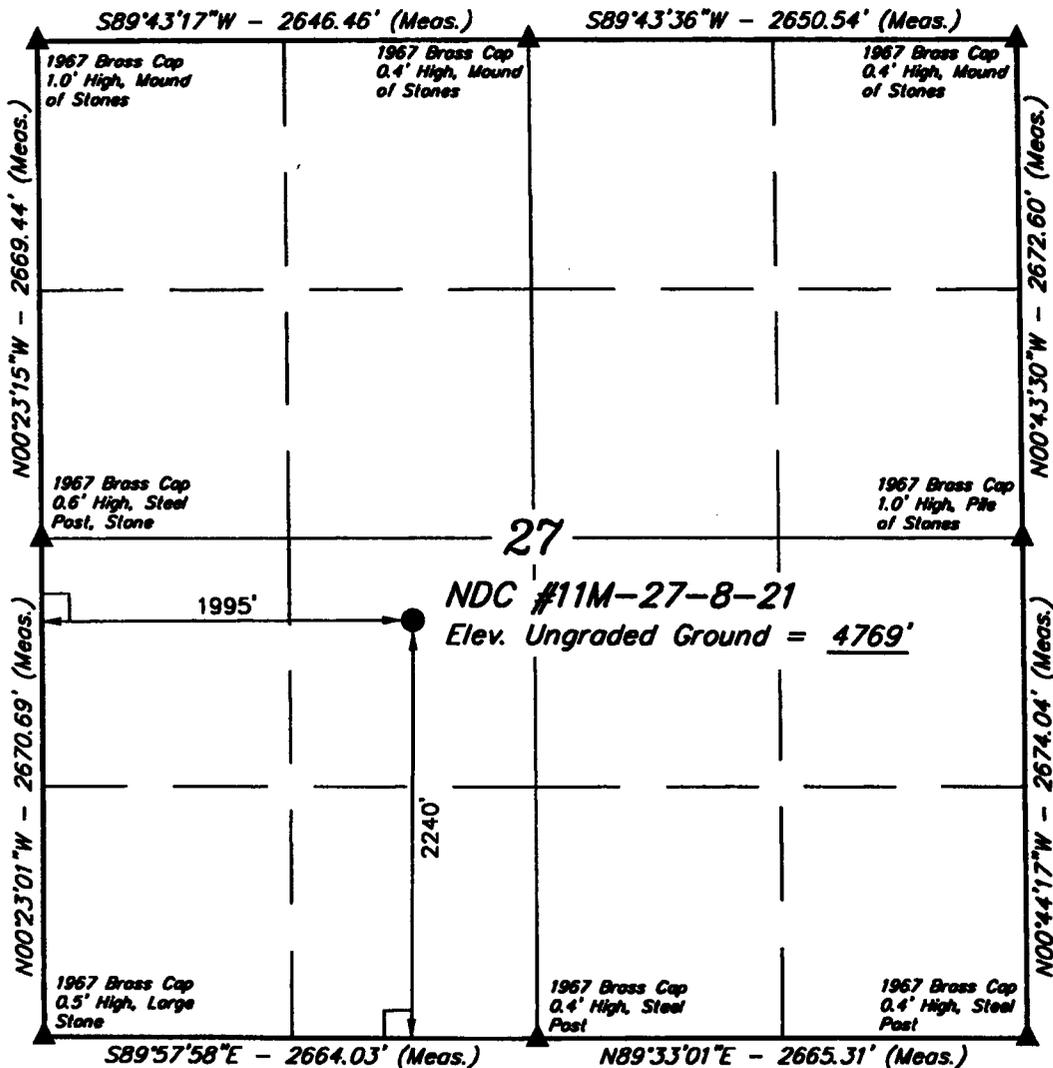
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# T8S, R21E, S.L.B.&M.



## QUESTAR EXPLORATION & PRODUCTION

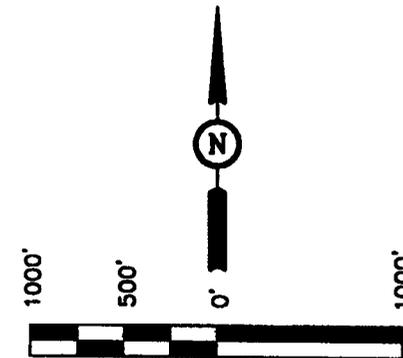
Well location, NDC #11M-27-8-21, located as shown in the NW 1/4 SW 1/4 of Section 27, T8S, R21E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

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

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

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

REGISTERED LAND SURVEYOR  
 REGISTRATION NO. F11319  
 STATE OF UTAH

### LEGEND:

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

(NAD 83)  
 LATITUDE =  $40^{\circ}05'34.80''$  (40.093000)  
 LONGITUDE =  $109^{\circ}32'32.10''$  (109.542250)

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-05-03	DATE DRAWN: 03-06-03
PARTY D.A. J.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLORATION & PRODUCTION	

002

**SHENANDOAH ENERGY INC.**

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11002 East 17500 South  
Vernal, UT 84078  
Phone: (435) 781-4300  
Fax (435) 781-4329

June 2, 2003

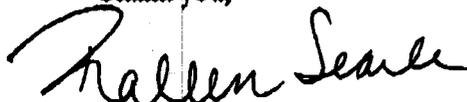
Division of Oil, Gas & Mining  
1594 W. N. Temple STE 1210  
Salt Lake City, UT 84114-5801

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3 Shenandoah Energy Inc. NDC 11M-27-8-21 is an exception to this rule this location was moved North in order to avoid an Arch site.

There are no additional lease owners with 460' of the proposed location. If you have any question please contact Raleen Searle @ (435) 781-4309.

Thank you,



Raleen Searle  
Regulatory Affairs Analyst

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	2380'	
Mahongy	3120'	
Wasatch	5735'	
Mesa Verde	8685'	
Blackhawk	11450'	
Mancos B	12265'	
TD	12600'	

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	12600'

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

DRILLING PROGRAM

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 or where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

3. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi till 9 5/8 is set, 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 2500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	<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	5735'	12 -1/4"	9-5/8"	S-95	40lb/ft (new) LT&C
Production	11400'	8 -3/4"	4 -1/2"	HCP-110*	11.6lb/ft (new)LT&C
Production	12600'	8 -3/4"	4 -1/2"	P-110	13.5lb/ft (new)LT&C

\*High Collapse P-110

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show

DRILLING PROGRAM

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- D. Full opening safety valve on the rig floor – yes
  - E. Rotating Head – yes  
If drilling with air the following will be used:
  - F. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
  - G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
  - H. Compressor shall be tied directly to the blooie line through a manifold.
  - I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.
6. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

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

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

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

6. Testing, logging and coring program

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

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

DRILLING PROGRAM

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- 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 &amp; Additives</u>
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\*See attached calculations

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

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5040.0 psi. Maximum anticipated bottom hole temperature is 140° F.

**SHENANDOAH ENERGY INC.  
NORTH DUCK CREEK 11M-27-8-21  
2240' FSL, 1995' FWL  
NESW, SECTION 27, T8S, R21E, SLB&M  
UINTAH COUNTY, UTAH  
LEASE UTU-0803**

**ONSHORE ORDER NO. 1**

**MULTI – POINT SURFACE USE & OPERATIONS PLAN**

**1. Existing Roads:**

The proposed well site is approximately 8 miles West of Ouray, Utah.

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

There will be no improvements made to existing access roads.

**2. Planned Access Roads:**

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

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

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

Please refer to Topo Map C.

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

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

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

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

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

6. **Source of Construction Materials:**

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

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

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

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

8. **Ancillary Facilities:**

None anticipated.

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

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

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

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

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

**11. Surface Ownership:**

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

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

**12. Other Information**

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

**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

April 25, 2003  
\_\_\_\_\_  
Date

**Additional Operator Remarks:**

Shenandoah Energy Inc. proposes to drill a well to 12600' to test the Mancos. If productive, casing will be run and the well will be completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

Please see the Attached Drilling and Surface Program.

See Onshore Order No. 1 attached

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

Bond coverage for this well is provided by Bond No. ESB000024. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.



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

NDC 11M-27-8-2†

Uintah County, Utah  
United States of America

# **Cementing Recommendation and Cost Estimate**

Prepared for:  
April 11, 2003  
Version: 1

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

**HALLIBURTON**

# HALLIBURTON

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

## ***Foreword***

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

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

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

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**

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NDC 11M-27-8-2

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**

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## 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)

$$\begin{aligned} 42.00 \text{ ft} * 0.868 \text{ ft}^3/\text{ft} &= 36.45 \text{ ft}^3 \\ &= 6.49 \text{ bbl} \\ \text{Tail plus shoe joint} &= 765.82 \text{ ft}^3 \\ &= 136.40 \text{ bbl} \\ \text{Total Tail} &= 639 \text{ sks} \end{aligned}$$

## 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:

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

## Job Recommendation

## 13 3/8" Surface

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### Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water Ahead

Fluid Density: 8.40 lbm/gal

Fluid Volume: 20 bbl

### Fluid 2: Primary Cement

Premium Plus Cement

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

2 % Calcium Chloride (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 15.60 lbm/gal

Slurry Yield: 1.20 ft<sup>3</sup>/sk

Total Mixing Fluid: 5.25 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 700 ft

Volume: 136.40 bbl

Calculated Sacks: 639.25 sks

Proposed Sacks: 640 sks

### Fluid 3: Water Spacer

Displacement

Fluid Density: 8.33 lbm/gal

Fluid Volume: 101.72 bbl

**Detailed Pumping Schedule**

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

# HALLIBURTON

## Cost Estimate

## 13 3/8" Surface

### SAP Quote #0

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

# HALLIBURTON

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**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

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NDC 11M-27-8-2p

### 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 - 5735 ft (MD)
	700 - 5735 ft (TVD)
Inner Diameter	12.250 in
Job Excess	50 %
9 5/8" Intermediate	0 - 5735 ft (MD)
	0 - 5735 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:

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

## Cement : (3735.00 ft fill)

$$\begin{aligned} 700.00 \text{ ft} * 0.3627 \text{ ft}^3/\text{ft} * 0 \% &= 253.88 \text{ ft}^3 \\ 3035.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 50 \% &= 1425.79 \text{ ft}^3 \\ \text{Total Lead Cement} &= 1679.67 \text{ ft}^3 \\ &= 299.16 \text{ bbl} \\ \text{Sacks of Cement} &= 440 \text{ sks} \end{aligned}$$

## 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:

$$\begin{aligned} 5735.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 2489.36 \text{ ft}^3 \\ &= 443.37 \text{ bbl} \end{aligned}$$

## Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 443.37 \text{ bbl} - 3.25 \text{ bbl} \\ &= 440.13 \text{ bbl} \end{aligned}$$

## Job Recommendation

## 9 5/8" Intermediate

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### Fluid Instructions

Fluid 1: Water Based Spacer

Gel Water Ahead

Fluid Density: 8.40 lbm/gal

Fluid Volume: 20 bbl

### Fluid 2: Lead Cement

Halliburton Hi-Fill

Fluid Weight 11 lbm/gal

Slurry Yield: 3.82 ft<sup>3</sup>/sk

Total Mixing Fluid: 22.88 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 3735 ft

Volume: 299.16 bbl

Calculated Sacks: 439.70 sks

Proposed Sacks: 440 sks

### Fluid 3: Tail Cement

50/50 Poz Premium

2 % Total Bentonite (Light Weight Additive)

5 % Salt (Accelerator)bwow

0.25 lbm/sk Flocele (Lost Circulation Additive)

0.4 % Halad(R)-322 (Low Fluid Loss Control)

Fluid Weight 14.35 lbm/gal

Slurry Yield: 1.22 ft<sup>3</sup>/sk

Total Mixing Fluid: 5.32 Gal/sk

Top of Fluid: 3735 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: 440.13 bbl

**Detailed Pumping Schedule**

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Gel Water Ahead	8.4	5.0	20 bbl
2	Cement	Hi Fill	11.0	5.0	440 sks
3	Cement	50 50 POZ	14.35	5.0	790 sks
4	Spacer	Displacement	8.3	5.0	440.13 bbl

# HALLIBURTON

## Cost Estimate

## 9 5/8" Intermediate

### SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7522	PSL - CMT INTERMEDIATE CASING - BOM	1	JOB	0.00	0.00	47%	0.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT"	80	MI	4.41	705.60	47%	373.97
	Number of Units	2					
2	MILEAGE FOR CEMENTING CREW,ZI	80	MI	2.60	208.00	47%	110.24
	Number of Units	1					
16091	ZI - PUMPING CHARGE	1	EA	3,556.00	3,556.00	47%	1,884.68
	DEPTH	5735					
	FEET/METRES (FT/M)	FT					
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	1,109.00	1,109.00	47%	587.77
	NUMBER OF UNITS	1					
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	916.00	916.00	47%	485.48
	NUMBER OF DAYS	1					
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI	1	EA	320.00	320.00	47%	169.60
	DAYS OR PARTIAL DAY(WHOLE NO.)	1					
	<b>EQUIPMENT &amp; SERVICES</b>						
	<b>SubTotal</b>			<b>USD</b>	<b>6,814.60</b>	<b>47.0%</b>	<b>3,611.74</b>
100005048	HOWCO GEL	4	SK	26.44	105.76	47%	56.05
100003164	PLUG - CMTG - TOP PLASTIC - 9-5/8	1	EA	239.00	239.00	47%	126.67
21832	HALLIBURTON HI-FILL	440	SK	29.43	12,949.20	47%	6,863.08
12302	50-50 POZ (PREMIUM)	790	SK	14.35	11,336.50	47%	6,008.34
100003682	BENTONITE	13	SK	0.00	N/C	47%	N/C
100003652	SALT	1751	LB	0.22	385.22	47%	204.17
100005049	FLOCELE	198	LB	2.71	536.58	47%	284.39
100003646	HALAD(R)-322	260	LB	9.21	2,394.60	47%	1,269.14
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	40	MI	1.51	3,671.72	47%	1,946.01
	NUMBER OF TONS	60.79					
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	1514	CF	2.47	3,739.58	47%	1,981.98
	NUMBER OF EACH	1					
	<b>MATERIALS</b>						
	<b>SubTotal</b>			<b>USD</b>	<b>35,358.16</b>	<b>47.0%</b>	<b>18,739.83</b>
100004955	SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA	715.00	715.00	43%	407.55
100004823	CLR,FLOAT,9-5/8 8RD,29.3-40#/FT,2 3/4	1	EA	792.00	792.00	43%	451.44
100004629	COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA	30.00	30.00	43%	17.10
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	25	EA	98.70	2,467.50	43%	1,406.47
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	43%	10.51
	<b>FLOAT EQUIPMENT</b>						
	<b>SubTotal</b>			<b>USD</b>	<b>4,022.93</b>	<b>43.0%</b>	<b>2,293.07</b>
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	66.24	66.24		66.24
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	39.74	39.74		39.74
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	0.24	38.40		38.40
	Number of Units	2					
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	0.08	6.40		6.40
	Number of Units	1					

# 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>
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 60.79	TNM	0.08	194.53		194.53
	<b>SURCHARGES</b>						
	<b>SubTotal</b>			<b>USD</b>	<b>345.31</b>	<b>0.0%</b>	<b>345.31</b>
	<b>Total</b>			<b>USD</b>			<b>46,540.99</b>
	<b>Discount</b>			<b>USD</b>			<b>21,551.05</b>
	<b>Discounted Total</b>			<b>USD</b>			<b>24,989.94</b>

**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**

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NDC 11M-27-8-22

### Well Intervals:

9 5/8" Intermediate	0 - 5735 ft (MD)
	0 - 5735 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	5735 - 12600 ft (MD)
	5735 - 12600 ft (TVD)
Inner Diameter	7.875 in
Job Excess	25 %

4 1/2" Production	0 - 12600 ft (MD)
	0 - 12600 ft (TVD)
Outer Diameter	4.500 in
Inner Diameter	4.000 in
Job Excess	0 %

# HALLIBURTON

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## Calculations

## 4 1/2" Production

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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:

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

Cement : (7365.00 ft fill)

$$\begin{aligned} 500.00 \text{ ft} * 0.3236 \text{ ft}^3/\text{ft} * 0 \% &= 161.81 \text{ ft}^3 \\ 6865.00 \text{ ft} * 0.2278 \text{ ft}^3/\text{ft} * 25 \% &= 1954.78 \text{ ft}^3 \\ \text{Primary Cement} &= 2116.58 \text{ ft}^3 \\ &= 376.98 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.0873 \text{ ft}^3/\text{ft} &= 3.67 \text{ ft}^3 \\ &= 0.65 \text{ bbl} \\ \text{Tail plus shoe joint} &= 2120.25 \text{ ft}^3 \\ &= 377.63 \text{ bbl} \\ \text{Total Tail} &= 1636 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 12600.00 \text{ ft} * 0.0873 \text{ ft}^3/\text{ft} &= 1099.56 \text{ ft}^3 \\ &= 195.84 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 195.84 \text{ bbl} - 0.65 \text{ bbl} \\ &= 195.19 \text{ bbl} \end{aligned}$$

## Job Recommendation

## 4 1/2" Production

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### Fluid Instructions

Fluid 1: Reactive Spacer  
Super Flush

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

Fluid 2: Water Spacer  
Fresh Water Spacer

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

Fluid 3: Primary Cement  
50/50 Poz Premium

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

Fluid Weight 14.20 lbm/gal  
Slurry Yield: 1.30 ft<sup>3</sup>/sk  
Total Mixing Fluid: 5.66 Gal/sk  
Top of Fluid: 5235 ft  
Calculated Fill: 7365 ft  
Volume: 377.63 bbl  
Calculated Sacks: 1635.99 sks  
Proposed Sacks: 1640 sks

Fluid 4: Water Spacer  
Displacement

Fluid Density: 8.33 lbm/gal  
Fluid Volume: 195.19 bbl

**Detailed Pumping Schedule**

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Super Flush	9.0	5.0	20 bbl
2	Spacer	Fresh Water Spacer	8.3	5.0	20 bbl
3	Cement	50/50 POZ	14.2	5.0	1640 sks
4	Spacer	Displacement	8.3	5.0	195.19 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 3	MI	4.41	1,058.40	47%	560.95
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 2	MI	2.60	416.00	47%	220.48
16091	ZI - PUMPING CHARGE DEPTH FEET/METRES (FT/M)	1 12600 FT	EA	10,687.00	10,687.00	47%	5,664.11
13	CSG PUMPING,STANDBY UNIT,/6HRS,ZI HOUR IN RANGE OF 6 HOURS	1 1	UNT	2,996.00	2,996.00	47%	1,587.88
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
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
<b>EQUIPMENT &amp; SREVICES</b>							
<b>SubTotal</b>				<b>USD</b>	<b>17,502.40</b>	<b>47.0%</b>	<b>9,276.27</b>
100003140	PLUG - CMTG - TOP ALUM - 4-1/2	1	EA	110.00	110.00	47%	58.30
100003639	SUPER FLUSH	20	SK	147.76	2,955.20	47%	1,566.26
100003729	CLAYFIX II	20	GAL	42.64	852.80	47%	451.98
12302	50-50 POZ (PREMIUM)	1640	SK	14.35	23,534.00	47%	12,473.02
100003682	BENTONITE	27	SK	0.00	N/C	47%	N/C
100003646	HALAD(R)-322	810	LB	9.21	7,460.10	47%	3,953.85
100005050	HR-5	2698	LB	5.39	14,542.22	47%	7,707.38
100003652	SALT	3868	LB	0.22	850.96	47%	451.01
100005049	FLOCELE	410	LB	2.71	1,111.10	47%	588.88
100003668	SUPER CBL	405	LB	35.26	14,280.30	47%	7,568.56
100003723	MICROBOND HT	2698	LB	2.88	7,770.24	47%	4,118.23
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 74.24	MI	1.51	4,484.10	47%	2,376.57
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1891 1	CF	2.47	4,670.77	47%	2,475.51
<b>MATERAILS</b>							
<b>SubTotal</b>				<b>USD</b>	<b>82,621.79</b>	<b>47.0%</b>	<b>43,789.55</b>
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	292.00	292.00	43%	166.44
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	341.00	341.00	43%	194.37
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	21.00	21.00	43%	11.97
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	25	EA	59.85	1,496.25	43%	852.86
100005045	HALLIBURTON WELD-A KIT	1	EA	18.43	18.43	43%	10.51
<b>Comment</b>							
<b>SubTotal</b>				<b>USD</b>	<b>2,168.68</b>	<b>43.0%</b>	<b>1,236.15</b>
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	66.24	66.24		66.24

# 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>
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	39.74	39.74		39.74
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	80 3	MI	0.24	57.60		57.60
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	80 2	MI	0.08	12.80		12.80
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 74.24	TNM	0.08	237.57		237.57
	<b>SURCHARGES</b>						
	<b>SubTotal</b>			<b>USD</b>	<b>413.95</b>	<b>0.0%</b>	<b>413.95</b>
	<b>Total</b>			<b>USD</b>			<b>102,706.81</b>
	<b>Discount</b>			<b>USD</b>			<b>47,990.90</b>
	<b>Discounted Total</b>			<b>USD</b>			<b>54,715.91</b>

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

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

## **Conditions**

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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 2<sup>nd</sup> or 3<sup>rd</sup> 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](http://www.halliburton.com/hes/general_terms_conditions.pdf) for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.

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

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

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

# QUESTAR EXPLR. & PROD.

NDC #11M-27-8-21

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

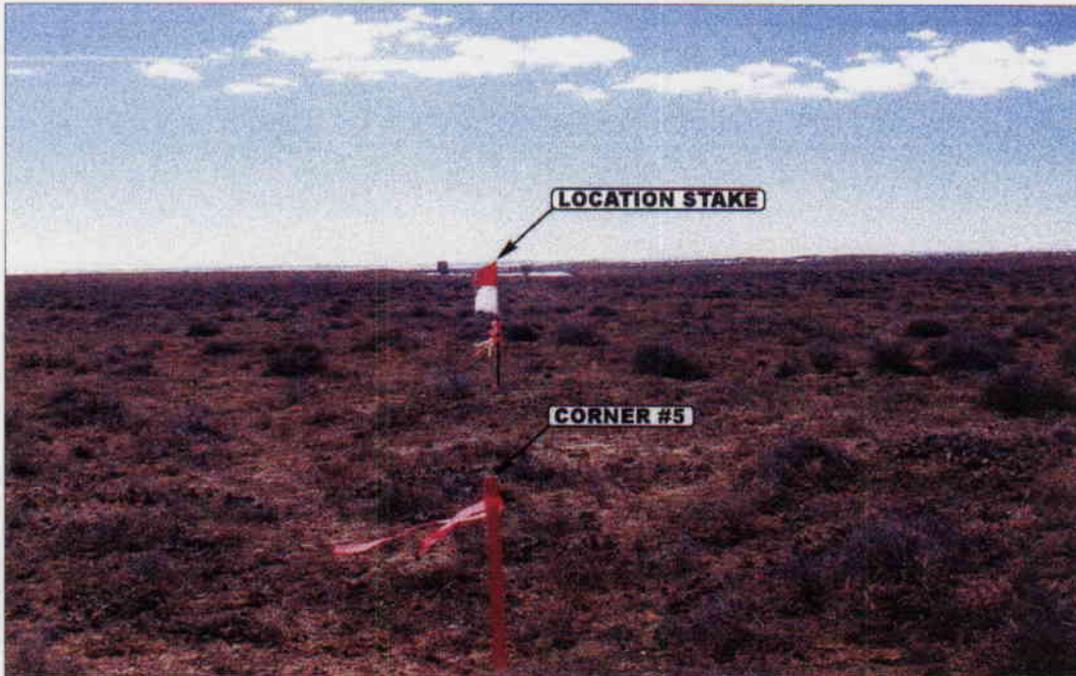


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



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

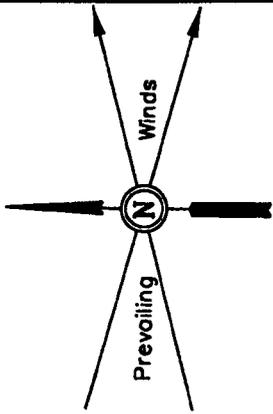
LOCATION PHOTOS	03	06	03	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.A.	DRAWN BY: P.M.		REVISED: 00-00-00	

# QUESTAR EXPLORATION & PRODUCTION

**FIGURE #1**

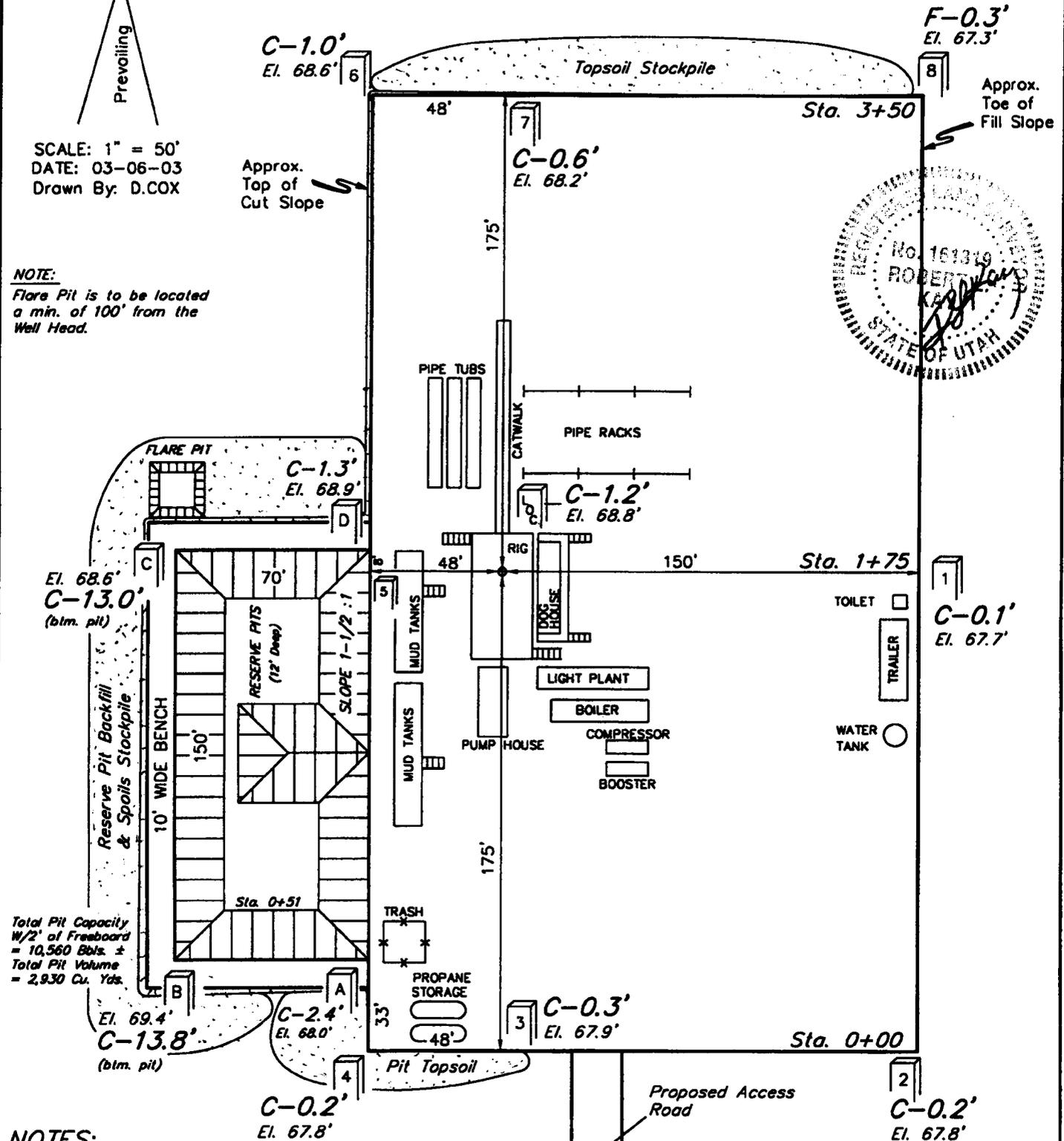
LOCATION LAYOUT FOR

NDC #11M-27-8-21  
SECTION 27, T8S, R21E, S.L.B.&M.  
2240' FSL 1995' FWL



SCALE: 1" = 50'  
DATE: 03-06-03  
Drawn By: D.COX

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



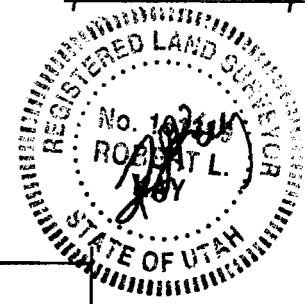
**NOTES:**  
Elev. Ungraded Ground At Loc. Stake = 4768.8'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4767.6'

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

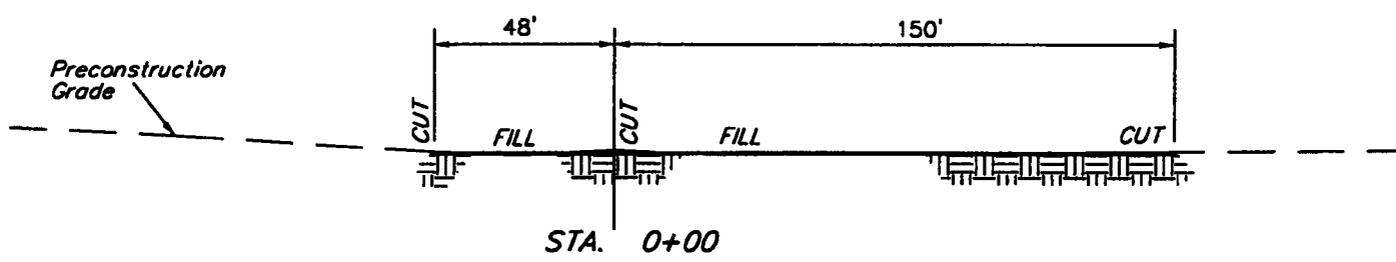
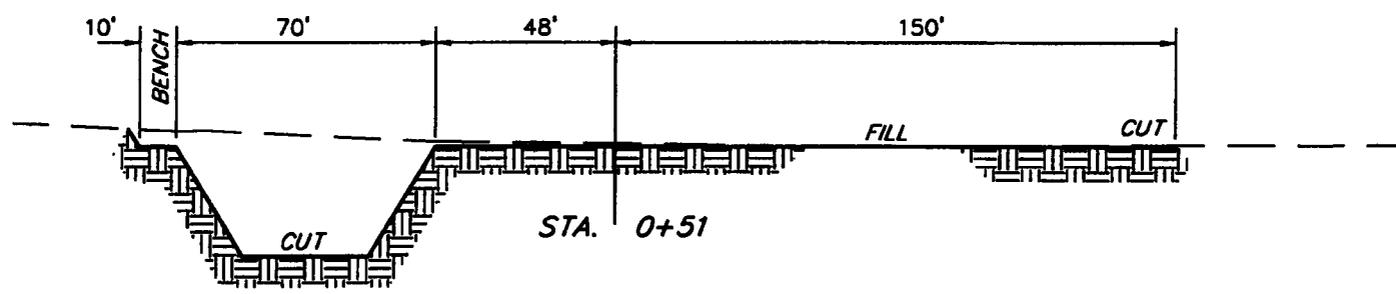
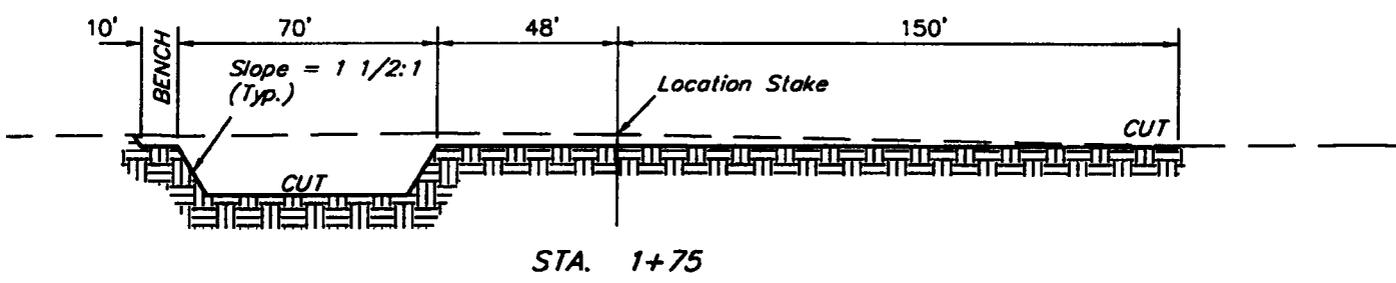
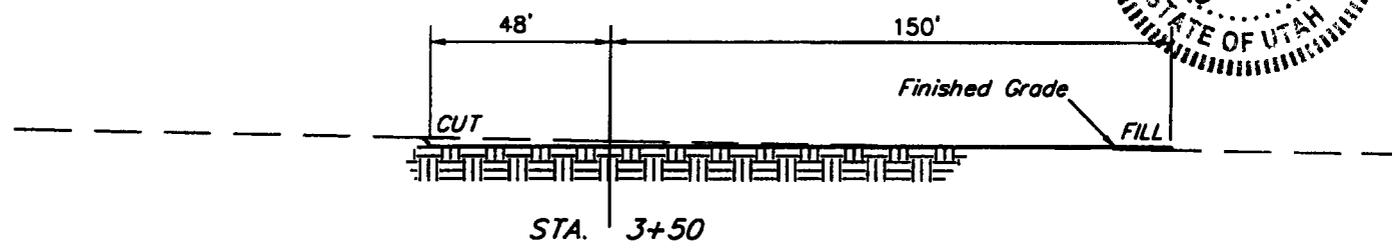
QUESTAR EXPLORATION & PRODUCTION

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
 NDC #11M-27-8-21  
 SECTION 27, T8S, R21E, S.L.B.&M.  
 2240' FSL 1995' FWL



1" = 20'  
 X-Section Scale  
 1" = 50'  
 DATE: 03-06-03  
 Drawn By: D.COX

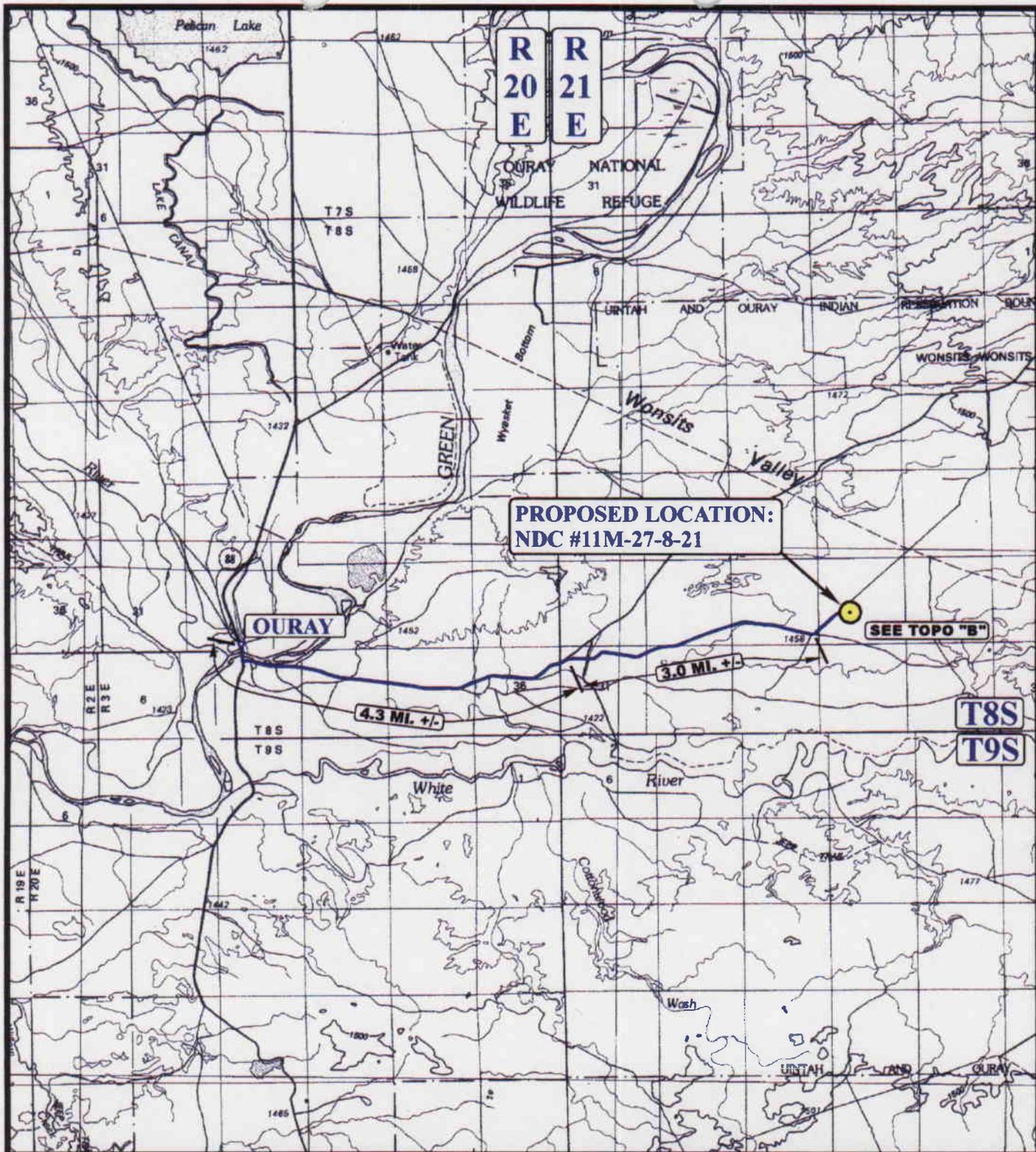


APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,070 Cu. Yds.
Remaining Location	= 3,040 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 6,110 CU.YDS.</b>
<b>FILL</b>	<b>= 1,500 CU.YDS.</b>

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

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**LEGEND:**

 PROPOSED LOCATION



**QUESTAR EXPLR. & PROD.**

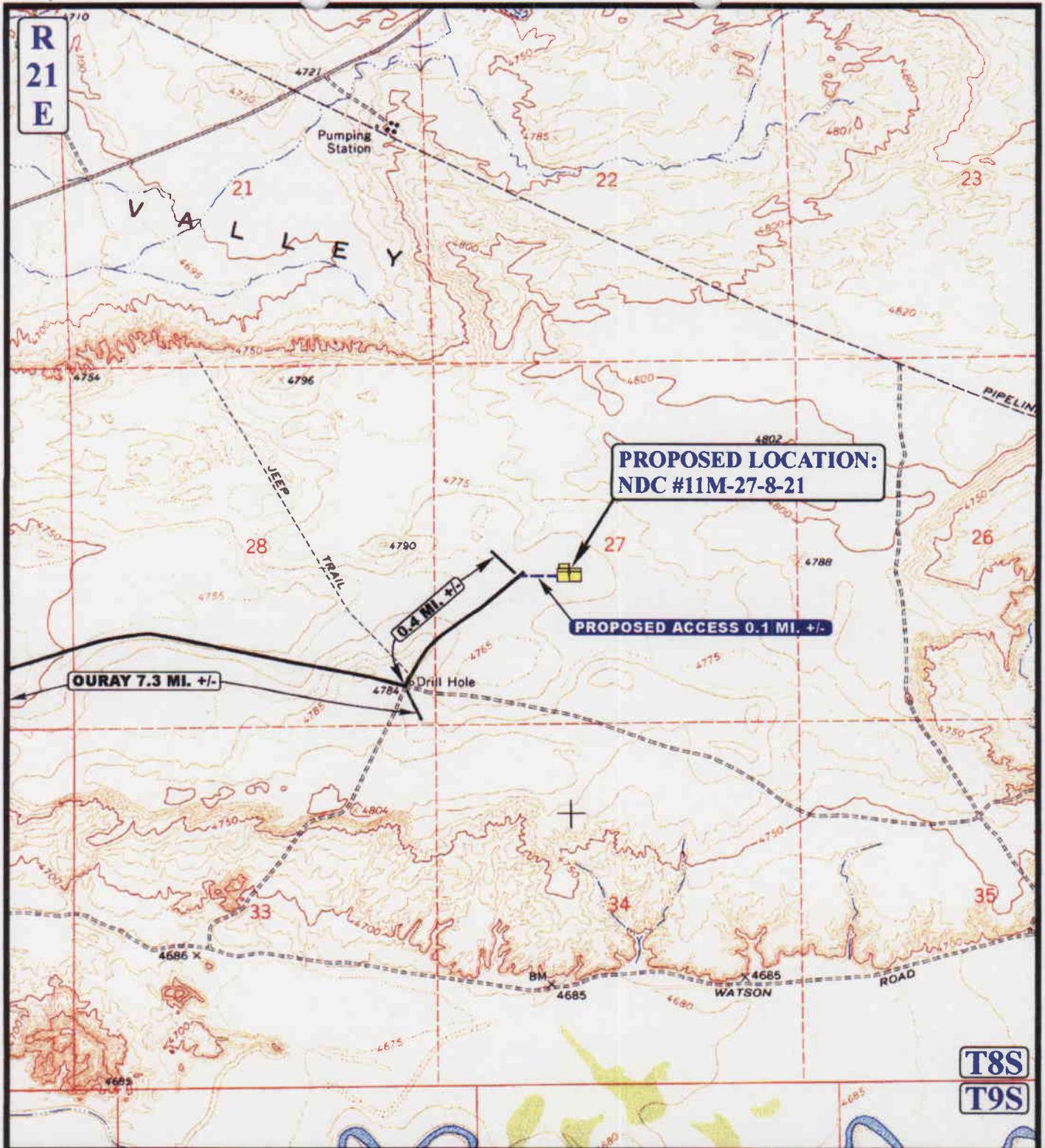
NDC #11M-27-8-21  
 SECTION 27, T8S, R21E, S.L.B.&M.  
 2240' FSL 1995' FWL



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

**TOPOGRAPHIC MAP** 03 06 03  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

**QUESTAR EXPLR. & PROD.**

NDC #11M-27-8-21  
 SECTION 27, T8S, R21E, S.L.B.&M.  
 2240' FSL 1995' FWL

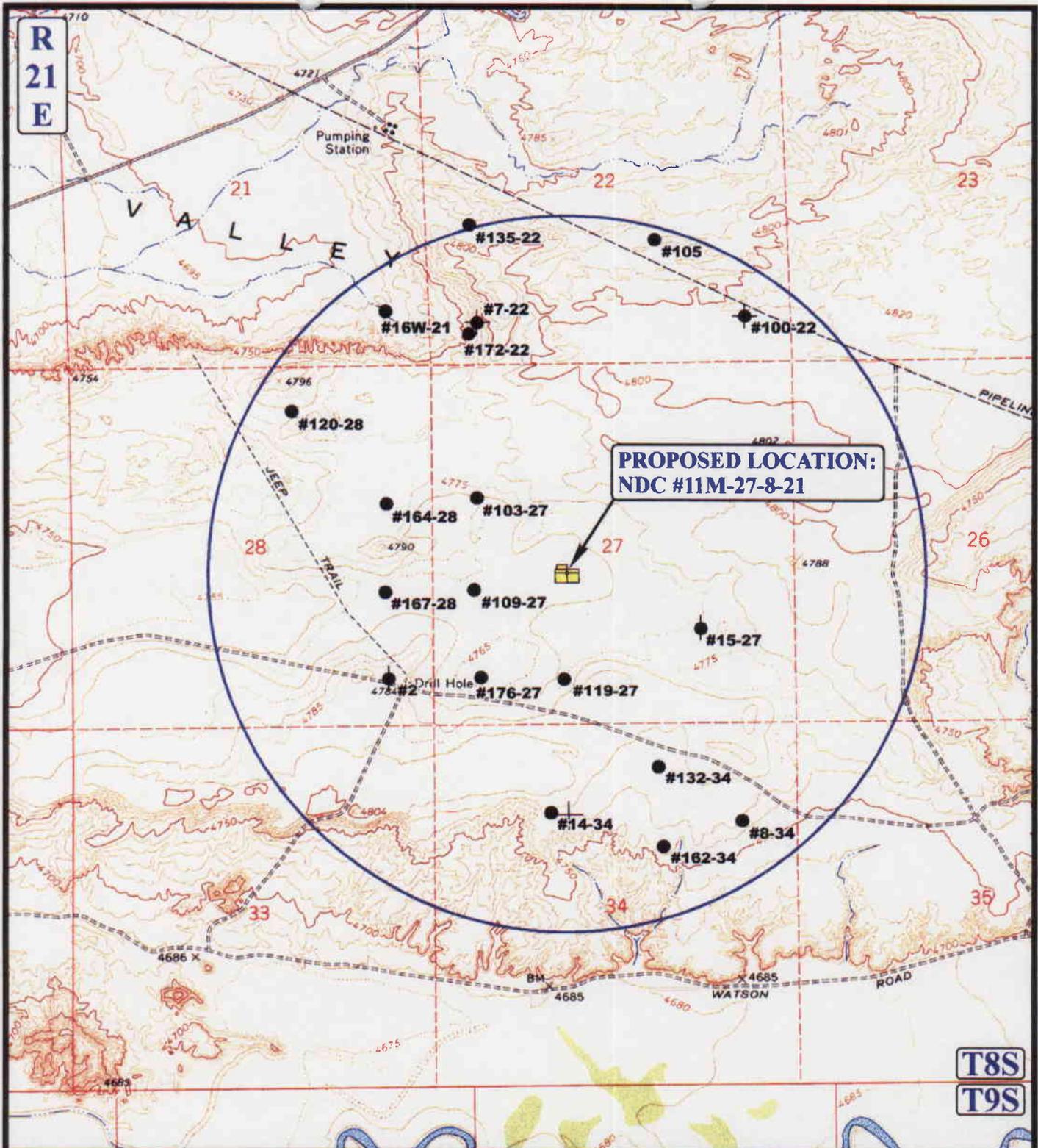


**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 03 06 03  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00





**LEGEND:**

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

**QUESTAR EXPLR. & PROD.**

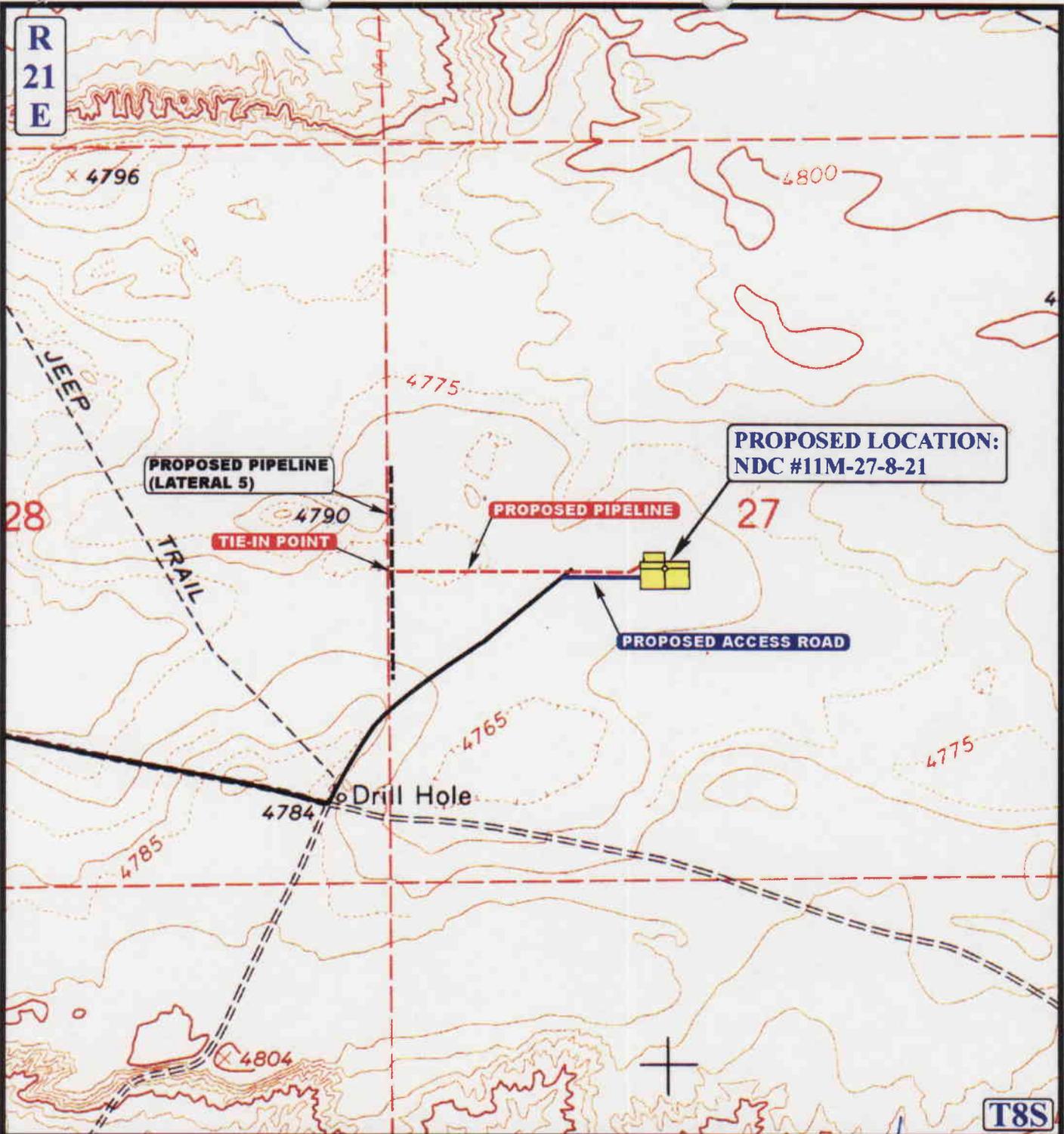
NDC #11M-27-8-21  
 SECTION 27, T8S, R21E, S.L.B.&M.  
 2240' FSL 1995' FWL

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



**TOPOGRAPHIC MAP** 03 06 03  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,800' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- - - - - EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

**QUESTAR EXPLR. & PROD.**

NDC #11M-27-8-21  
 SECTION 27, T8S, R21E, S.L.B.&M.  
 2240' FSL 1995' FWL



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



**TOPOGRAPHIC  
 MAP**

03	06	03
MONTH	DAY	YEAR

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

**D  
 TOPO**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/01/2003

API NO. ASSIGNED: 43-047-34952

WELL NAME: NDC 11M-27-8-21  
OPERATOR: SHENANDOAH ENERGY INC ( N4235 )  
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:  
NESW 27 080S 210E  
SURFACE: 2240 FSL 1995 FWL  
BOTTOM: 2240 FSL 1995 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

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

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

LATITUDE: 40.09296  
LONGITUDE: 109.54151

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
(No. 49-2153 )

RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

Fee Surf Agreement (Y/N)

LOCATION AND SITING:

\_\_\_\_ R649-2-3.  
Unit \_\_\_\_\_

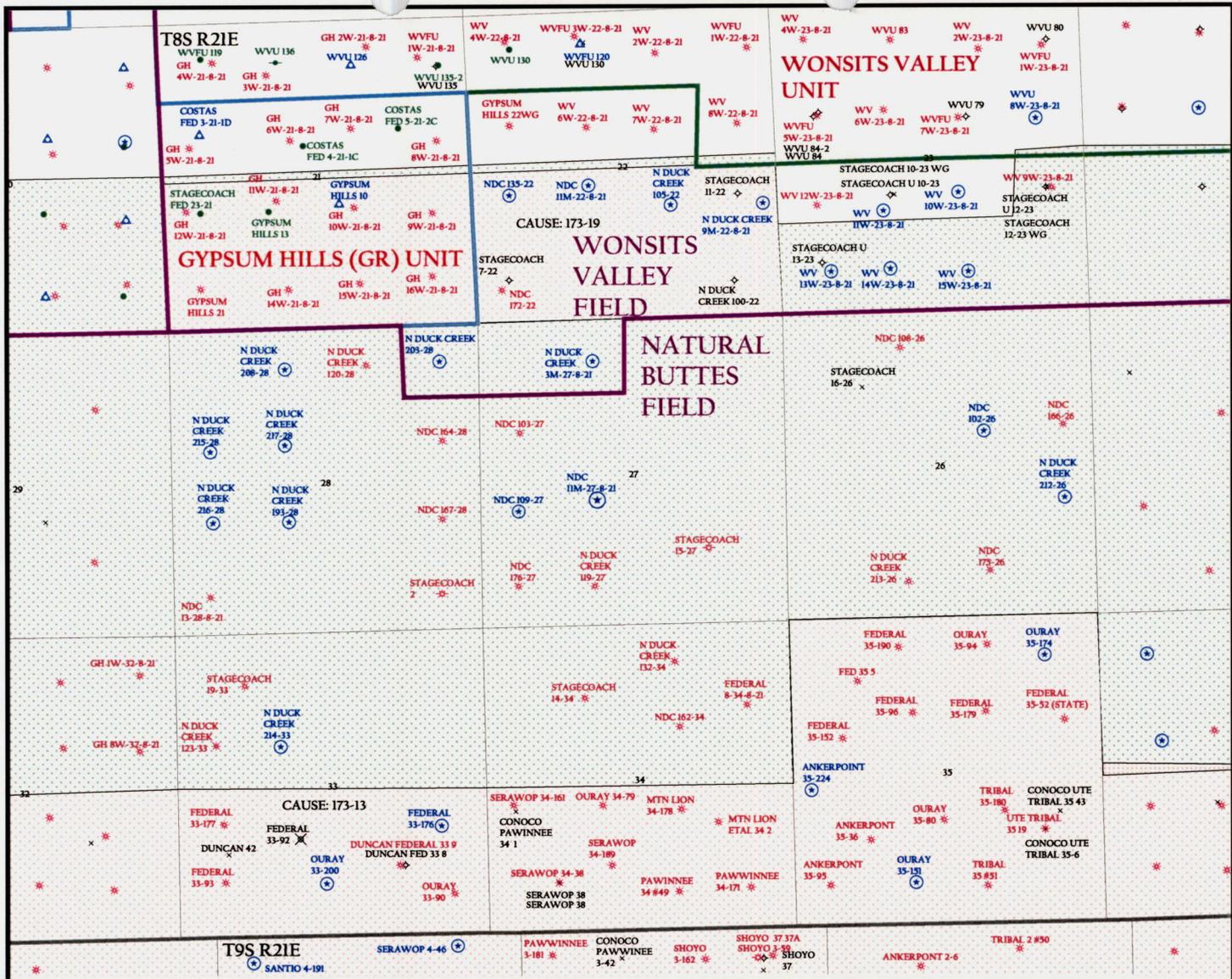
\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. **Exception**  
Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_

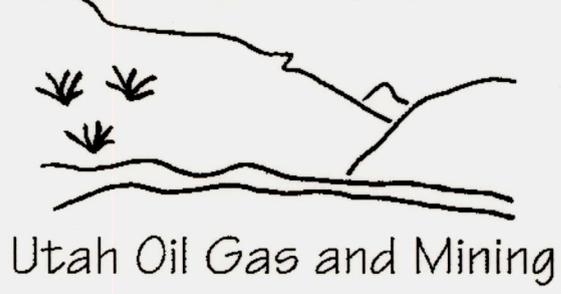
\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1. Need federal approval  
2. Springs Strip

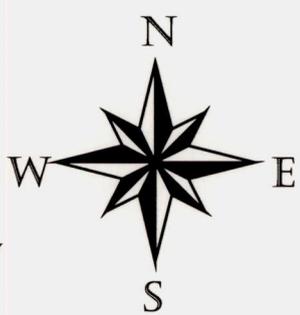


OPERATOR: SHENANDOAH ENERGY (N4235)  
 SEC. 27 T8S, R21E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 SPACING: R649-3-3 / EXCEPTION LOCATION



- | WELLS | UNIT STATUS  |
|-------|--------------|
| ↗     | EXPLORARY    |
| ○     | GAS STORAGE  |
| ×     | NF PP OIL    |
| ⊙     | NF SECONDARY |
| ◇     | PENDING      |
| *     | PI OIL       |
| •     | PP GAS       |
| +     | PP GEOTHERML |
| +     | PP OIL       |
| ×     | SECONDARY    |
| ○     | TERMINATED   |
| △     |              |
| +     |              |
| ↘     |              |

- | FIELD STATUS    |                 |
|-----------------|-----------------|
| ▭ (black)       | ABANDONED       |
| ▭ (red)         | ACTIVE          |
| ▭ (purple)      | COMBINED        |
| ▭ (blue)        | INACTIVE        |
| ▭ (orange)      | PROPOSED        |
| ▭ (grey)        | STORAGE         |
| ▭ (white)       | TERMINATED      |
| ▭ (thick black) | COUNTY BOUNDARY |
| ▭ (dashed)      | SECTION LINES   |
| ▭ (thick grey)  | TOWNSHIP LINES  |



PREPARED BY: DIANA MASON  
 DATE: 2-MAY-2003



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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 2, 2003

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

Re: North Duck Creek 11M-27-8-21 Well, 2240' FSL, 1995' FWL, NE SW, 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-34952.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

pab  
Enclosures

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

**Operator:** Shenandoah Energy Inc.  
**Well Name & Number** North Duck Creek 11M-27-8-21  
**API Number:** 43-047-34952  
**Lease:** UTU-0803

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

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

008

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		<b>CONFIDENTIAL</b>	
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		7. If Unit or CA Agreement, Name and No.	
2. Name of Operator SHENANDOAH ENERGY INC		8. Lease Name and Well No. NDC 11M-27-8-21	
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078-8526		9. API Well No. 43-047-34952-00-X1	
3b. Phone No. (include area code) Ph: 435.781.4341 Fx: 435.781.4323		10. Field and Pool, or Exploratory NATURAL BUTTES	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NESW 2240FSL 1995FWL At proposed prod. zone		11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T8S R21E Mer SLB SME: BIA	
14. Distance in miles and direction from nearest town or post office* 7 +/- MILES FROM OURAY, UTAH		12. County or Parish UINTAH	13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1995' +/-	16. No. of Acres in Lease		17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1500' +/-	19. Proposed Depth 12600 MD 12600 TVD		20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4782 KB	22. Approximate date work will start		23. Estimated duration 10 DAYS

24. Attachments

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

- |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>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).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

25. Signature (Electronic Submission)	Name (Printed/Typed) JOHN BUSCH	Date 04/29/2003
Title OPERATIONS		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) HOWARD B CLEAVINGER II	Date 06/05/2003
Title AFM FOR MINERAL RESOURCES Office Vernal		

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

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

Additional Operator Remarks (see next page)

**Electronic Submission #20768 verified by the BLM Well Information System  
For SHENANDOAH ENERGY INC, sent to the Vernal  
Committed to AFMSS for processing by LESLIE WALKER on 05/02/2003 (03LW1470AE)**

**Additional Operator Remarks:**

Shenandoah Energy Inc. proposes to drill a well to 12600' to test the Mancos. If productive, casing will be run and the well will be completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

Please see the Attached Drilling and Surface Program.

See Onshore Order No. 1 attached

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

Bond coverage for this well is provided by Bond No. ESB000024. The principal is Shenandoah Energy Inc. via surety as consent as provided for the 43 CFR 3104.2.

## Revisions to Operator-Submitted EC Data for APD #20768

### Operator Submitted

Lease: UTU-0803  
Agreement:  
Operator: SHENANDOAH ENERGY INC.  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323

Admin Contact: JOHN BUSCH  
OPERATIONS  
11002 E. 17500 S.  
VERNAL, UT 84078  
Ph: 435.781.4341  
Fx: 435.781.4323  
E-Mail: john.busch@questar.com

Tech Contact:

Well Name: NDC  
Number: 11M-27-8-21

Location:  
State: UT  
County: UINTAH  
S/T/R: Sec 27 T8S R21E Mer SLB  
Surf Loc: NESW 2240FSL 1995FWL

Field/Pool: NATURAL BUTTES

Bond: ESB000024

### BLM Revised (AFMSS)

UTU0803

SHENANDOAH ENERGY INC  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078-8526  
Ph: 435.781.4300  
Fx: 435.781.4329

JOHN BUSCH  
OPERATIONS  
11002 EAST 17500 SOUTH  
VERNAL, UT 84078-8526  
Ph: 435.781.4341  
Fx: 435.781.4323  
E-Mail: john.busch@questar.com

NDC  
11M-27-8-21

UT  
UINTAH  
Sec 27 T8S R21E Mer SLB  
NESW 2240FSL 1995FWL

NATURAL BUTTES

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Shenandoah Energy, Inc.  
Well Name & Number: NDC 11M-27-8-21  
API Number: 43-047-34952  
Lease Number: U-0803  
Location: NESW Sec. 27 T. 8S R. 21E  
Agreement: N/A

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

**CONDITIONS OF APPROVAL**

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

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

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

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

### Pressure Control Equipment

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

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

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

### Casing Program and Auxiliary Equipment

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

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

### Coring, Logging and Testing Program

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

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

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

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

Notifications of Operations

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

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

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

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

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

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

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

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

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

Other Information

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

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

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

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

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

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

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

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

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

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

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

A corridor ROW, 30 feet wide and 542 feet long, was granted for the access road. A corridor ROW, 60 feet wide and 1774 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 & 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.

006

State of Utah  
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

*Shenandoah*

OPERATOR: ~~QEP Uinta Basin, Inc.~~  
ADDRESS: 11002 East 17500 South  
Vernal, Utah 84078-8526

OPERATOR ACCT. No. N-4235

(435)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	13809	43-047-34952	NDC 11M 27 8 21	NESW	27	8S	21E	Uintah	6/06/03	6/12/03
WELL 1 COMMENTS: - mps											
<b>CONFIDENTIAL</b>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

*Robert F Caldwell*

Signature

Clerk Specialist      6/09/03  
Title                      Date

Phone No. (435) 781-4342

**CONFIDENTIAL**

JUN 12 2003

DIV. OF OIL, GAS & MINING

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. NDC 11M 27-8-21	
2. Name of Operator <i>SHEWAN DONAHUE QEP UINTA BASIN, INC. ENERGY INC</i> Contact: DAHN F. CALDWELL E-Mail: Dahn.Caldwell@questar.com		9. API Well No. 43-047-34952	
3a. Address 11002 E. 17500 S. VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435.781.4342 Fx: 435.781.4357	10. Field and Pool, or Exploratory NATURAL BUTTES	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T8S R21E NESW 2240FSL 1995FWL		11. County or Parish, and State UINTAH COUNTY, UT	

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

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

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

This well was spud on 6/06/03. Drilled 40' 30 hole. Set 40' - 20" conductor cement w/ 152 sxs Type 5 Cement.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #22997 verified by the BLM Well Information System For QEP UINTA BASIN, INC., sent to the Vernal**

Name (Printed/Typed) DAHN F. CALDWELL	Title AUTHORIZED REPRESENTATIVE
Signature <i>Dahn F Caldwell</i> (Electronic Submission)	Date 06/09/2003

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

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

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

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**CONFIDENTIAL**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

012

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-0803
2. Name of Operator <i>QUESTAR ENERGY INC.</i> Contact: DAHN F. CALDWELL E-Mail: Dahn.Caldwell@questar.com		6. If Indian, Allottee or Tribe Name UTE TRIBE
3a. Address 11002 E. 17500 S. VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435.781.4342 Fx: 435.781.4357	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T8S R21E NESW 2240FSL 1995FWL		8. Well Name and No. NDC 11M 27-8-21
		9. API Well No. 43-047-34952
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

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

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

This well was spud on 6/06/03. Drilling Operations started on 6/7/03. Drill 17-1/2" hole to 730'. Ran 16 jts to 696' GL, 720'KB, 13-3/8" 48# csg.

RECEIVED  
JUN 13 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #23059 verified by the BLM Well Information System For QEP UINTA BASIN, INC., sent to the Vernal**

Name (Printed/Typed) DAHN F. CALDWELL	Title AUTHORIZED REPRESENTATIVE
Signature <i>Dahn F. Caldwell</i>	Date 06/11/2003

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

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

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

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

CONFIDENTIAL





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

In Reply Refer To:  
3106  
(UT-924)

July 21, 2003

### Memorandum

To: Vernal Field Office  
From: **ACTING** Chief, Branch of Minerals Adjudication  
Subject: Name Change Approval

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

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

Mary Higgins  
Acting Chief, Branch of  
Minerals Adjudication

### Enclosure

1. Eastern States Letter
2. List of leases

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

RECEIVED

JUL 29 2003

DIV. OF OIL, GAS & MINING

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	

## 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
GYPNUM 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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

010

**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  Well 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 (801) 781-4341**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESW 2240 FSL, 1995 FWL, SECTION 27, T8S, R21E**

5. Lease Designation and Serial No.  
**UTU-0803**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

7. If Unit or C.A. Agreement Designation  
**N/A**

8. Well Name and No.  
**GO  
NDC 11M-27-8-21**

9. API Well No.  
**43-047-34952**

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 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>SET HANGER</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)  
**Shenandoah Energy Inc. (QEP Uinta Basin Inc.) ran 141 jts of 7" P-110, 26# casing and set a Weatherford liner hanger @5469.**

**Liner @ 5469'  
Landing Collar @ 11,302  
Float @ 11,304  
Shoe @ 11,348**

**Cement -  
765 sks of Hi-fil-M, 11.00 lb/gal, and 75 sks of 50/50 POZ. Displace with 318 bbls of mud.**

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AUG 15 2003  
DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct.  
Signed Raleen Searle Title REGULATORY AFFAIRS ANALYST Date 8/5/03

(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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

011

**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  
~~QEP Uinta Basin, Inc.~~ **SHENANDOAH ENERGY INC**

3. Address and Telephone No  
**11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4341**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESW 2240 FSL, 1995 FWL, SECTION 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.  
~~NBC~~ **GB 11M-27-8-21**

9. API Well No.  
**43-047-34952**

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 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>Drilling Changes</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)  
**Shenandoah Energy Inc. (QEP Uinta Basin Inc.) has set a DV-Tool set @ 9993'. Cementing as follows:**

**Stage 1**  
**230 sks 50/50 POZ, 2% gel, .3% Halad -344, .. 2% HR-12., 2% Super- C BL, 20% SSA-1.,.25# sks/flocele**

**Drop Bomb circ. 20 bbls cement to surface circ W.O.C.**

**Stage 2**  
**515 sks 50/50 POZ, 2% gel,.6% Halah-322., 1% HR-5, 5% salt (BWOW), .25 SK. Flocele full returns.**

14. I hereby certify that the foregoing is true and correct.  
 Signed Raleen Searle Title REGULATORY AFFARIS ANALYST Date 8/18/03

(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.

\*See instruction on Reverse Side

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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

014

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  
**N/A**

7. If Unit or C.A. Agreement Designation

8. Well Name and No.  
**GB  
NDC 11M 27 8 21**

9. API Well No.  
**43-047-34952**

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

11. County or Parish, State  
**UINTAH COUNTY, 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**  
Contact: **ann.petrik@questar.com**  
**435.781.4306 Fax 435.781.4329**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESW, Sec 27, T8S, R21E**  
**2240' FSL, 1995' FEL**

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 <b>DOFP</b>
	<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 well commenced production on 9/10/03.**

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

SEP 25 2003

14. I hereby certify that the foregoing is true and correct.  
Signed Ann Petrik Title Authorized Representative Date 9/23/03

(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.

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UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See instructions on reverse side).

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

015

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL OIL WELL  GAS WELL  DRY  Other   
 b. TYPE OF COMPLETION NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR  Other

2. NAME OF OPERATOR QEP Uinta Basin, Inc.  
 9. WELL NO. GB 11M 27 8 21

3. ADDRESS OF OPERATOR 11002 E. 17500 S. VERNAL, UT 84078-8526  
 DAHN CALDWELL 435-781-4342  
 10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES API # 43-047-34952

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface NESW 2240' FSL, 1995' FWL  
 At top rod. interval reported below NESW 2240' FSL, 1995' FWL  
 At total depth NESW 2240' FSL, 1995' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 27 T8S R21E Mer SLB  
 12. COUNTY OR PARISH Uintah  
 13. STATE UT  
 14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 06/06/03  
 16. DATE T.D. REACHED 08/13/03  
 17. DATE COMPL. (Ready to prod.) 09/17/03  
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4768' GL  
 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 12650'  
 21. PLUG BACK TD., MD & TVD 12262'  
 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)\* 11595' - 11786' MURD/BGH  
 25. WAS DIRECTIONAL SURVEY MADE No

27. WAS WELL CORED No  
 COMPENSATED NEUTRON DIPOLE SONIC IMR, AI W/ LC/GR, COMP NEUTRON TRIPLE LITHO DENSITY-GR

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375	48.0	720'	17.50	650 SXS	
9.625	40.0	5776'	12.25	585 SXS	
7.0	26.0	11348'	8.50	840 SXS	
4.5	13.5	12650'	6-1/8	745 SXS IN 2 STAGES	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375	11557'	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	AMOUNT AND KIND OF MATERIAL USED
117854' - 11786'	
11748' - 11752'	
11700' - 11702'	
11664' - 11670'	
11595' - 11602'	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH INTERVAL (MD) 11595' - 11786'  
 AMOUNT AND KIND OF MATERIAL USED Frac w/ 346,000# in 203,700 Gals (340,000# 20/40 EconoProp - 6,000# 100 Mesh Sand)

33.\* PRODUCTION  
 DATE FIRST PRODUCTION 9/10/03  
 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flows from well  
 WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/17/03	24	14		0.8	1250	62.0	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)
1722	2614					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold  
 TEST WITNESSED BY RECEIVED

35. LIST OF ATTACHMENTS Geologic Markers  
 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Jim Simonson (WIS is Down—manual Copy) TITLE Completion Supervisor DATE DIV. OF O&G 1/26/04

(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Blackhawk	11450	12265	<p style="text-align: center; font-size: 2em; opacity: 0.5;">CONFIDENTIAL</p> <p>CONFIDENTIAL - DO NOT RELEASE WELL INFORMATION WITHOUT PERMISSION FROM QEP, UINIA BASIN, INC.</p> <p>PRODUCTION LINER DEPTH F/ 5469' - 11348' CMTD W/ 765 SXS HIFILL MOD LEAD &amp; 75 SXS 50/50 POZMIX.</p> <p>CEMENTED PRODUCTION CSG W/ 230 SXS 50/50 POZMIX &amp; 515 SXS 50/50 POZMIX TAIL.</p> <p>DOFF - 9/10/03 THROUGH CSG - TBG SNUBBED IN &amp; LANDED ON 9/17/03.</p>	Green River Mahogany Wasatch Mesa Verde Sego Castlegate Blackhawk Mancos 'B' TD	2380 3120 5735 8685 10970 11080 11450 12265 12650		

38. GEOLOGIC MARKERS  
GB 11M 27 8 21

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  Gas  
 Well  Well  Other

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

3. Address and Telephone No. **Contact: dahn.caldwell@questar.com**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **435.781.4342 Fax 435.781.4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESW, SEC 27-T8S-R21E, 2240' FSL, 1995' FEL**

5. Lease Designation and Serial No.  
**UTU-0803**

6. If Indian, Allottee or Tribe Name  
**N/A**

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

8. Well Name and No.  
**GB 11M 27 8 21**

9. API Well No.  
**43-047-34952**

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

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" 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 type="checkbox"/> Other _____
	<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)  
**Between 9-3-03 – 4/29/05 Recompleted GB 11M 27 8 21.**

**Please see the attached pages for the description of the Recompletion.**

RECEIVED  
AUG 05 2005

DIV. OF OIL, GAS & MINING

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

14. I hereby certify that the foregoing is true and correct.  
 Signed Jim Simonton *Jim Simonton* Title Completion Supervisor Date 8/02/05

(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.

\*See instruction on Reverse Side

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## Recompletion Report for GB 11M 27 8 21

Started on 9/10/03 and Completed on 4/29/05

- On 9/10/03 – MIRU Pool Well Service.
- DV Tool @ 9990' & drill out DV tool.
- MIRU Halliburton Cement Crew & dump 50 sxs Class 'G' Cmt down surface csg annulus w/ a max psi of 1500#.
- MIRU Cutters WL to run a CBL in the 4-1/2" 13.5# P-110 csg. Log from tag @ 12575' to 9800' & attempt to find cmt.
- Pressure test csg & BOP stack 9500# & held OK.
- Using a 3-1/8" csg gun w/ Prospector Charges per the Density Log dated 8/14/03: Blackhawk 11784' – 11786' (4 holes); 11748' – 11752' (8 holes); 11700' – 11702' (4 holes); 11664' – 11670' (12 holes) & 11595' – 11602' (12 holes).
- On 9/9/03 – Frac Blackhawk gross intervals 11596' – 11786' down 4-1/2" csg using a Hybor 30 – 35# 2% KCL x-linked gel water system and 20/40 mesh Econoprop. Total 340,000# of 20/40 mesh sand and a total of 6,000# of 100 mesh sand and a total load of 203,700 gals.
- On 9/15/03 – MIRU Cudd Snubbing Unit. Snub production on string into the well as follows: NC, 6000# glass disc, 1 jt, 1.81" "F" Nipple & 357 jts of tbg to surface.
- Tbg Detail: NC, glass disc, 1 jt, 1.81" "F" Nipple & 357 jts to surface. Tbg tail @ 11557' and "F" Nipple @ 11523' KB depths. All tbg is 2-3/8" EUE N-80, 4.7#.
- On 9/16/03 – Final completion report until further activity.

- On 1/6/04 – MIRU Pool Well Service to continue Recompletion of well.
- Perforate Mesa Verde interval 10986' – 10992' (24 holes) per the CBL log dated – On 9/8/03 using a 3-1/8" csg gun & Prospector Charges @ 4 JPF & 90\* phasing.
- On 1/9/04 – MIRU Cutters WL & Halliburton frac crew. Frac Mesa Verde interval 10986' – 10992' down 4-1/2" csg using a 30# Hybor 2% KCL x-linked gel water system. Total of 53,600# of Econoprop & total load of 43,418 gals.
- Perforate per the CBL dated 9/8/03 – Mesa Verde interval 10826' – 10834' (32 holes) @ 4 JPF & 90\* phasing. Frac interval 10826' – 10834' down 4-1/2" csg using the above system as follows = total of 36,000# of Econoprop & a total load of 33,779 gals.
- Perforate Mesa Verde interval 10390' – 10396' per above gun & log @ 4 JPF (24 holes). Frac interval 10390' – 10396'. Have estimated 12,200# of sand in formation.
- Perforate Mesa Verde interval 10294' – 10301' per the above gun & log @ 4 JPF (28 holes). Frac interval 10294' – 10301' down 4-1/2" csg using the above system as follows: 13,783 gals of fluid & est 10,000# of sand in formation.
- On 1/15/04 – Reports suspended until further activity.
- Tbg Detail: 3-3/4" bit sub assembly with ported sleeve; 1 jt, 1.81" "F" Nipple & 315 jts of tbg to surface. All tbg is 2-3/8" EUE 8rd N-80, 4.7#. Tbg tail @ 10,247' & F-Nipple @ 10212' KB depths.

On 4/22/05 – Resumption of report discontinued AM of 1/15/04. MIRU Key Energy #958.

- RIH w/ 3-3/4" bit & pump off bit sub assembly & tbg to 5200'.
- Continue to RIH to 12200' w/ no tag. Pull bit sub to 11,585' & land tbg in hanger.
- On 4/29/05 – RDMO Key Energy #956. FINAL REPORT OF WELL COMPLETION.
- Tbg Detail: 1 jt, 1.81" "F" Nipple & 356 jts of tbg to surface. All tbg is 2-3/8" EUE 8rd 4.7# P-110. Tbg tail @ 11602' & "F" Nipple @ 11571'.

FIELD: Wonsits Valley

N.B.

GL: 4768' KBE: 4792'

Spud Date: 6/6/03 Completion Date: 4/29/05

Well: GB 11M 27 - 8 - 21

TD: 12,650' PBD: 12,593'

Current Well Status: Flowing Gas Well

Location: NE SW Sec. 27, T8S, R21E  
Uintah County, Utah

API#: 43-047-34952

Reason for Pull/Workover:

Recompletion

Wellbore Schematic

Surface casing

Size: 13 - 3/8"  
Weight: 48#/ft  
Grade: H - 40  
Cmtd w/ 650 sxs

Hole size: N/A  
Set @ 720'

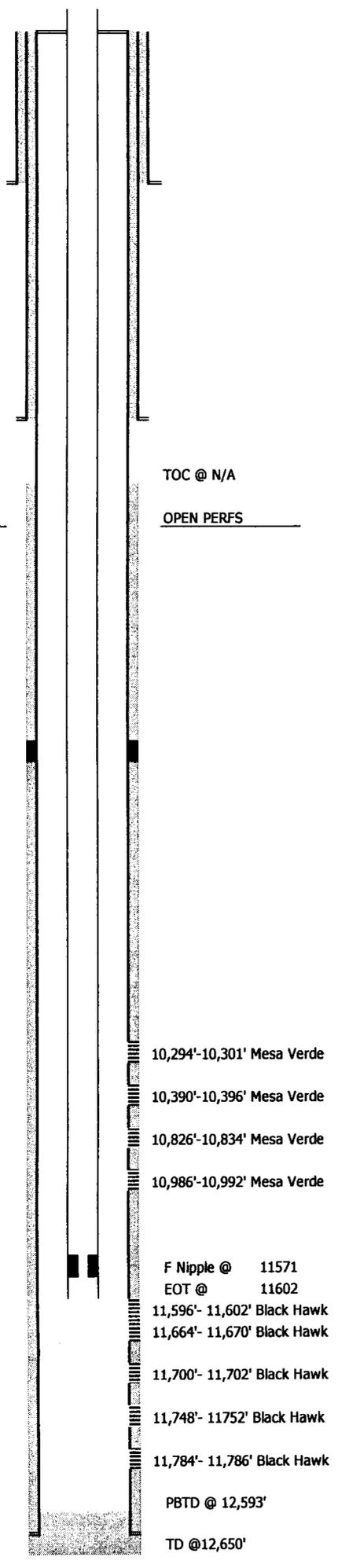
Intermediate

Size: 9 5/8"  
Weight: 40#/ft  
Grade: S - 95 & N - 80  
Cmtd w/ 585 sxs

Hole size: 12 1/4"  
Set @ 5776'

EXCLUDED PERFS

DV TOOL SET @ 9993' +/-



TOC @ N/A

OPEN PERFS

10,294'-10,301' Mesa Verde

10,390'-10,396' Mesa Verde

10,826'-10,834' Mesa Verde

10,986'-10,992' Mesa Verde

F Nipple @ 11571

EOT @ 11602

11,596'- 11,602' Black Hawk

11,664'- 11,670' Black Hawk

11,700'- 11,702' Black Hawk

11,748'- 11,752' Black Hawk

11,784'- 11,786' Black Hawk

PBD @ 12,593'

TD @ 12,650'

Production Casing

Size: 4 1/2"  
Weight: 13.5 #/ft  
Grade: P - 110  
Cmtd w/ 745 sxs  
Set @ 12,650'  
Hole size: N/A

Tubing Landing Detail:

Description	Size	Footage	Depth
K.B		16.00	16.00
TBG HANGER	2 3/8"	0.89	16.89
315 - JTS N - 80 TBG	2 3/8"	11,552.71	11,569.60
F - NIPPLE (1.81" I.D)	2 3/8"	0.91	11,570.51
1 - JT N - 80 TBG	2 3/8"	30.87	11,601.38
PORTED BIT SUB & BIT!	2 3/8"	0.92	11,602.30
EOT @			11,602.30

TUBING INFORMATION

Condition:

New: \_\_\_\_\_ Used: \_\_\_\_\_ Rerun:

Grade: N - 80

Weight (#/ft): 4.70 #/ft

Sucker Rod Detail:

Size	#Rods	Rod Type

Rod Information

Condition:

New: \_\_\_\_\_ Used: \_\_\_\_\_ Rerun: \_\_\_\_\_

Grade: \_\_\_\_\_

Manufacture: \_\_\_\_\_

Pump Information:

API Designation

Example: 25 x 150 x RHAC X 20 X 6 X 2

Pump SN#: \_\_\_\_\_ Original Run Date: \_\_\_\_\_

RERUN \_\_\_\_\_ NEW RUN \_\_\_\_\_

ESP Well

	Flowing Well
Cable Size: _____	SN @ 11570'
Pump Intake @ _____	PKR @ _____
End of Pump @ _____	EOT @ 11602'

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

7-1/16" 10,000#

Other: hanger is cut for B/P valve

Hanger: Yes  No \_\_\_\_\_

SUMMARY

9/9/03 Black Hawk zones from 11,786'- 11,592' where shot and fraced and well was put on production of phase 1 of completion.

01/06/04 Phase #2 of completion was started as shown below and well was put on for testing - Measverde zone 10,983'-10,989' (6'-4 SPF) where shot and fraced using 53,600 LBS. of Econoprope - Mesaverde zone 10,826'-10,834' (8'-4 SPF) where shot and fraced using 36,000 LBS Econoprope - Mesaverde zone 10,390'-10,396' (6'-4 SPF) where shot and @12,200 LBS. sand was pumped in to formation before screening out. Mesaverde zone 10,294'-10,301' (7'-4 SPF) where shot and @ 10,000 LBS, sand pumped in to formation before screening out well flowed two days .

01/12/04 Well was cleaned out to composit B/P set @ 11,500' on 01/08/04

01/13/04 Ported bit sub was pumped open leaving production tbg as shown above and well swabbed on to test and production.

4/26/05 - CBP fell free.

Final report of well recompletion.

**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**

<b>FROM: (Old Operator):</b> N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900	<b>TO: ( New Operator):</b> N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900
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**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	<b>BRENNAN FZ-BB1</b>	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	<b>PRINCE 4</b>	SWSW	03	070S	240E	4304732677	7035	Federal	OW	P
GYPSUM HILLS 21	<b>GH 21 WG</b>	SWSW	21	080S	210E	4304732692	11819	Federal	GW	P
SAGE GROUSE FED 6-14-8-22	<b>OU SG 6 14 8 22</b>	SESW	14	080S	220E	4304732746	11944	Federal	GW	P
GYPSUM HILLS 22WG	<b>GH 22 WG</b>	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	<b>OU GB 15 18 8 22</b>	SWSE	18	080S	220E	4304733364	12690	Federal	GW	P
GLEN BENCH FED 3W-17-8-22	<b>OU GB 3W 17 8 22</b>	NENW	17	080S	220E	4304733513	12950	Federal	GW	P
GLEN BENCH FED 5W-17-8-22	<b>OU GB 5W 17 8 22</b>	SWNW	17	080S	220E	4304733514	12873	Federal	GW	P
WV FED 9W-8-8-22	<b>WV 9W 8 8 22</b>	NESE	08	080S	220E	4304733515	13395	Federal	GW	P
GB FED 9W-18-8-22	<b>OU GB 9W 18 8 22</b>	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	<b>OU GB 12W 30 8 22</b>	NWSW	30	080S	220E	4304733670	13380	Federal	GW	P
WV FU 10W-8-8-22	<b>WV 10W 8 8 22</b>	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	<b>GH 14W 20 8 21</b>	SESW	20	080S	210E	4304733915	13073	Federal	GW	P
GB 4W-30-8-22	<b>OU GB 4W 30 8 22</b>	NWNW	30	080S	220E	4304733945	13372	Federal	GW	P
GB 9W-19-8-22	<b>OU GB 9W 19 8 22</b>	NESE	19	080S	220E	4304733946	13393	Federal	GW	P
GB 10W-30-8-22	<b>OU GB 10W 30 8 22</b>	NWSE	30	080S	220E	4304733947	13389	Federal	GW	P
GB 12W-19-8-22	<b>OU GB 12W 19 8 22</b>	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	<b>SU 1W 5 8 22</b>	NENE	05	080S	220E	4304733985	13369	Federal	GW	P
WV 3W-5-8-22	<b>SU 3W 5 8 22</b>	NENW	05	080S	220E	4304733987	13321	Federal	OW	S
WV 7W-5-8-22	<b>SU 7W 5 8 22</b>	SWNE	05	080S	220E	4304733988	13235	Federal	GW	P
WV 9W-5-8-22	<b>SU 9W 5 8 22</b>	NESE	05	080S	220E	4304733990	13238	Federal	GW	P
WV 11W-5-8-22	<b>SU 11W 5 8 22</b>	NESW	05	080S	220E	4304733992	13239	Federal	GW	S
WV 13W-5-8-22	<b>SU 13W 5 8 22</b>	SWSW	05	080S	220E	4304733994	13236	Federal	GW	S
WV 15W-5-8-22	<b>SU 15W 5 8 22</b>	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	<b>OU GB 5W 30 8 22</b>	SWNW	30	080S	220E	4304734025	13502	Federal	GW	P
GB 11W-20-8-22	<b>OU GB 11W 20 8 22</b>	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	<b>OU GB 5W 20 8 22</b>	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	<b>WVX 11G 5 8 22</b>	NESW	05	080S	220E	4304734388	13422	Federal	OW	P
WV 13G-5-8-22	<b>WVX 13G 5 8 22</b>	SWSW	05	080S	220E	4304734389	13738	Federal	OW	P
WV 15G-5-8-22	<b>WVX 15G 5 8 22</b>	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	<b>SU 16W 5 8 22</b>	SESE	05	080S	220E	4304734446	13654	Federal	GW	P
STIRRUP U 2W-5-8-22	<b>SU 2W 5 8 22</b>	NWNE	05	080S	220E	4304734455	13700	Federal	GW	P
WV 10W-5-8-22	<b>SU 10W 5 8 22</b>	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	<b>OU GB 16WX 30 8 22</b>	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	<b>OU GB 1W 30 8 22</b>	NENE	30	080S	220E	4304734528	13487	Federal	GW	P
GB 3W-30-8-22	<b>OU GB 3W 30 8 22</b>	NENW	30	080S	220E	4304734529	13493	Federal	GW	P
GB 6W-30-8-22	<b>OU GB 6W 30 8 22</b>	SENE	30	080S	220E	4304734530	13519	Federal	GW	P
GB 7W-30-8-22	<b>OU GB 7W 30 8 22</b>	SWNE	30	080S	220E	4304734531	13494	Federal	GW	P
GB 8W-30-8-22	<b>OU GB 8W 30 8 22</b>	SENE	30	080S	220E	4304734532	13483	Federal	GW	P
GB 9W-30-8-22	<b>OU GB 9W 30 8 22</b>	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	<b>OU WIH 15MU 21 8 22</b>	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	<b>GH 12MU 20 8 21</b>	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	<b>SG 6ML 11 8 22</b>	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.

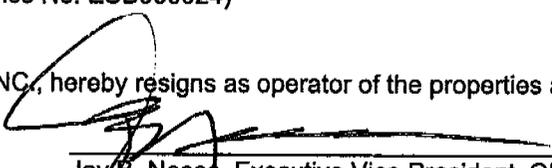
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible 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)

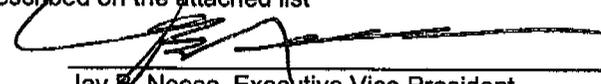
Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

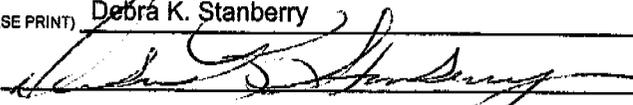
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

  
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

(This space for State use only)

RECEIVED

APR 19 2007

DIV. OF OIL, GAS & MINING

**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.

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

(This space for State use only)

**RECEIVED**  
**APR 19 2007**  
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

**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  
**N/A**

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

8. Well Name and No.  
**GB 11M 27 8 21**

9. API Well No.  
**43-047-34952**

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

11. County or Parish, State  
**UINTAH, UT**

***SUBMIT IN TRIPLICATE***

1. Type of Well  
Oil Gas  
 Well  Well  Other

2. Name of Operator  
**QUESTAR EXPLORATION & PRODUCTION CO.**

3. Address and Telephone No. **Contact: dahn.caldwell@questar.com**  
**1571 E. 1700 S. Vernal, UT 84078** **435.781.4342 Fax 435.781.4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NESW, SEC 27-T8S-R21E, 2240' FSL, 1995' FEL**

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>Change In Wellbore</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 Work Over was completed between 1/08/07 - 1/15/07.**

**1 - On 1/8/07 - MIRU Key Energy. Tagged w/tbg.**

**2 - PBD @ 12,200'.**

**3 - POOH.**

**4 - Looking for tbg leak. Found leak on jt #96 from surface. Replaced jts. #95, 96 & 97.**

**5 - Land tbg @ 11,602'.**

**6 - Swab well back.**

**7 - On 1/15/07 - RDMO.**

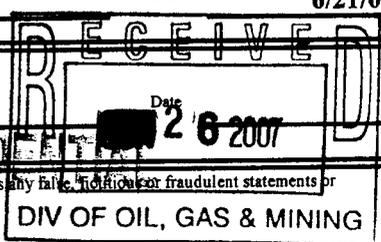
14. I hereby certify that the foregoing is true and correct.

Signed Jim Simonton *Jim Simonton* Title Completion Supervisor Date 6/21/07

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any \_\_\_\_\_



UTO8695P06

Field: **Natural Buttes**

GL: 4768' KBE: 4792'

Spud Date: 6/6/03 Completion Date: 1/12/2007

Well: **GB 11M 27 - 8 - 21**

TD: 12,650' PBTD: 12,593'

Current Well Status: **Flowing Gas Well**

Location:  
NE SW Sec., 27, T8S, R21E  
Uintah County, Utah

API#: 43-047-34952

**Reason for Pull/Workover:**

Hole in tbg on jt #96 from surface. Replaced #95,96,97.

**Wellbore Schematic**

**Surface casing**

Size: 13 - 3/8"  
Weight: 48#/ft  
Grade: H - 40  
Cmtd w/ 650 sxs

Hole size: N/A  
Set @ 720'

**Intermediate**

Size: 9 5/8"  
Weight: 40#/ft  
Grade: S - 95 & N - 80  
Cmtd w/ 585 sxs

Hole size: 12 1/4"  
Set @ 5776'

EXCLUDED PERFS

TOC @ N/A

OPEN PERFS

DV TOOL SET @ 9993' +/-

**Production Casing**

Size: 4 1/2"  
Weight: 13.5 #/ft  
Grade: P - 110  
Cmtd w/ 745 sxs  
Set @ 12,650'  
Hole size: N/A

10,294'-10,301' Mesa Verde  
10,390'-10,396' Mesa Verde  
10,826'-10,834' Mesa Verde  
10,986'-10,992' Mesa Verde  
F Nipple @ 11571  
EOT @ 11602  
11,596'- 11,602' Black Hawk  
11,664'- 11,670' Black Hawk  
11,700'- 11,702' Black Hawk  
11,748'- 11,752' Black Hawk  
11,784'- 11,786' Black Hawk  
PBTD @ 12,593'  
TD @ 12,650'

**Tubing Landing Detail:**

Description	Size	Footage	Depth
K.B		16.00	16.00
TBG HANGER	2 3/8"	0.89	16.89
315 - JTS N - 80 TBG	2 3/8"	11,552.71	11,569.60
F - NIPPLE (1.81" I.D)	2 3/8"	0.91	11,570.51
1 - JT N - 80 TBG	2 3/8"	30.87	11,601.38
PORTED BIT SUB & BIT!	2 3/8"	0.92	11,602.30
EOT @			<b>11,602.30</b>

**TUBING INFORMATION**

Condition:

New: \_\_\_\_\_ Used: \_\_\_\_\_ Rerun:

Grade: **N - 80**

Weight (#/ft): **4.70 #/ft**

**Sucker Rod Detail:**

Size	#Rods	Rod Type

**Rod Information**

Condition:

New: \_\_\_\_\_ Used: \_\_\_\_\_ Rerun: \_\_\_\_\_

Grade: \_\_\_\_\_

Manufacture: \_\_\_\_\_

**Pump Information:**

API Designation

Example: 25 x 150 x RHAC X 20 X 6 X 2

Pump SN#: \_\_\_\_\_ Original Run Date: \_\_\_\_\_

RERUN \_\_\_\_\_ NEW RUN \_\_\_\_\_

**ESP Well**

	Flowing Well
Cable Size: _____	SN @ 11570'
Pump Intake @ _____	PKR @ _____
End of Pump @ _____	EOT @ 11602'

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

7-1/16" 10,000#

Other: hanger is cut for B/P valve

Hanger: Yes  No \_\_\_\_\_

**SUMMARY**

9/9/03 Black Hawk zones from 11,786'- 11,592' where shot and fraced and well was put on production of phase 1 of completion.

01/06/04 Phase #2 of completion was started as shown below and well was put on for testing - Measverde zone 10,983'-10,989' (6'-4 SPF) where shot and fraced using 53,600 LBS. of Econoprope - Mesaverde zone 10,826'-10,834' (8'-4 SPF) where shot and fraced using 36,000 LBS Econoprope - Mesaverde zone 10,390'-10,396' (6'-4 SPF) where shot and @12,200 LBS. sand was pumped in to formation before screening out. Mesaverde zone 10,294'-10,301' (7'-4 SPF) where shot and @ 10,000 LBS. sand pumped in to formation before screening out well flowed two days .

01/12/04 Well was cleaned out to composites B/P set @ 11,500' on 01/08/04

01/13/04 Ported bit sub was pumped open leaving production tbg as shown above and well swabbed on to test and production.

4/26/05 - CBP fell free.

Final report of well recompletion.

1/8-12/07 MIRU Key Energy. Tagged w/ tbg PBTD @ 12200'. POOH Looking for tbg leak. Found leak on jt #96 from surface. Replaced jt #95,96,97. Land tbg & swab well back. RDM

**CONFIDENTIAL**



## 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

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

ROUTING  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

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

CA No.

Unit:

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- 4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

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"/> 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>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

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

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

(This space for State use only)

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

DIV. OF OIL, GAS & MINING

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

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

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

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

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

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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
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

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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

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# 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