

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

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

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> UTU-72634
TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> N/A
TYPE OF WELL <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> SINGLE <input checked="" type="checkbox"/> MULTIPLE <input type="checkbox"/> OIL WELL GAS WELL OTHER ZONE ZONE		<b>7. UNIT AGREEMENT NAME</b> N/A
<b>2. NAME OF OPERATOR</b> QUESTAR EXPLORATION & PRODUCTION CO.		<b>8. FARM OR LEASE NAME, WELL NO.</b> NBE 10CD-17-9-23
<b>3. ADDRESS</b> 1571 E. 1700 S. Vernal, Ut 84078		<b>9. API NUMBER:</b> 43-047-39349
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		<b>10. FIELD AND POOL, OR WILDCAT</b> NATURAL BUTTES
<b>4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)</b> At Surface 6409034 1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E At proposed production zone 44324584 40.032478 - 109.348600		<b>11. SEC., T, R, M, OR BLK &amp; SURVEY OR AREA</b> SEC. 17, T9S, R23E SLB&M
<b>14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*</b> 22 +/- SOUTHEAST OF OURAY, UTAH		<b>12. COUNTY OR PARISH</b> Uintah
<b>15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any)</b> 1347' +/-		<b>13. STATE</b> UT
<b>16. NO. OF ACRES IN LEASE</b> 1760.00		<b>17. NO. OF ACRES ASSIGNED TO THIS WELL</b> 20
<b>18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft</b> 559' +/-		<b>19. PROPOSED DEPTH</b> 14,055
<b>20. BLM/BIA Bond No. on file</b> ESB000024		<b>21. ELEVATIONS (Show whether DF, RT, GR, ect.)</b> 4920.6' GR
<b>22. DATE WORK WILL START</b> ASAP		<b>23. Estimated duration</b> 20 days
<b>24. Attachments</b>		

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

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

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 5/29/2007  
 TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43-047-39349 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL MANAGER DATE 06-18-07  
 \*See Instructions On Reverse Side

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

Federal Approval of this  
Action is Necessary

RECEIVED

JUN 08 2007

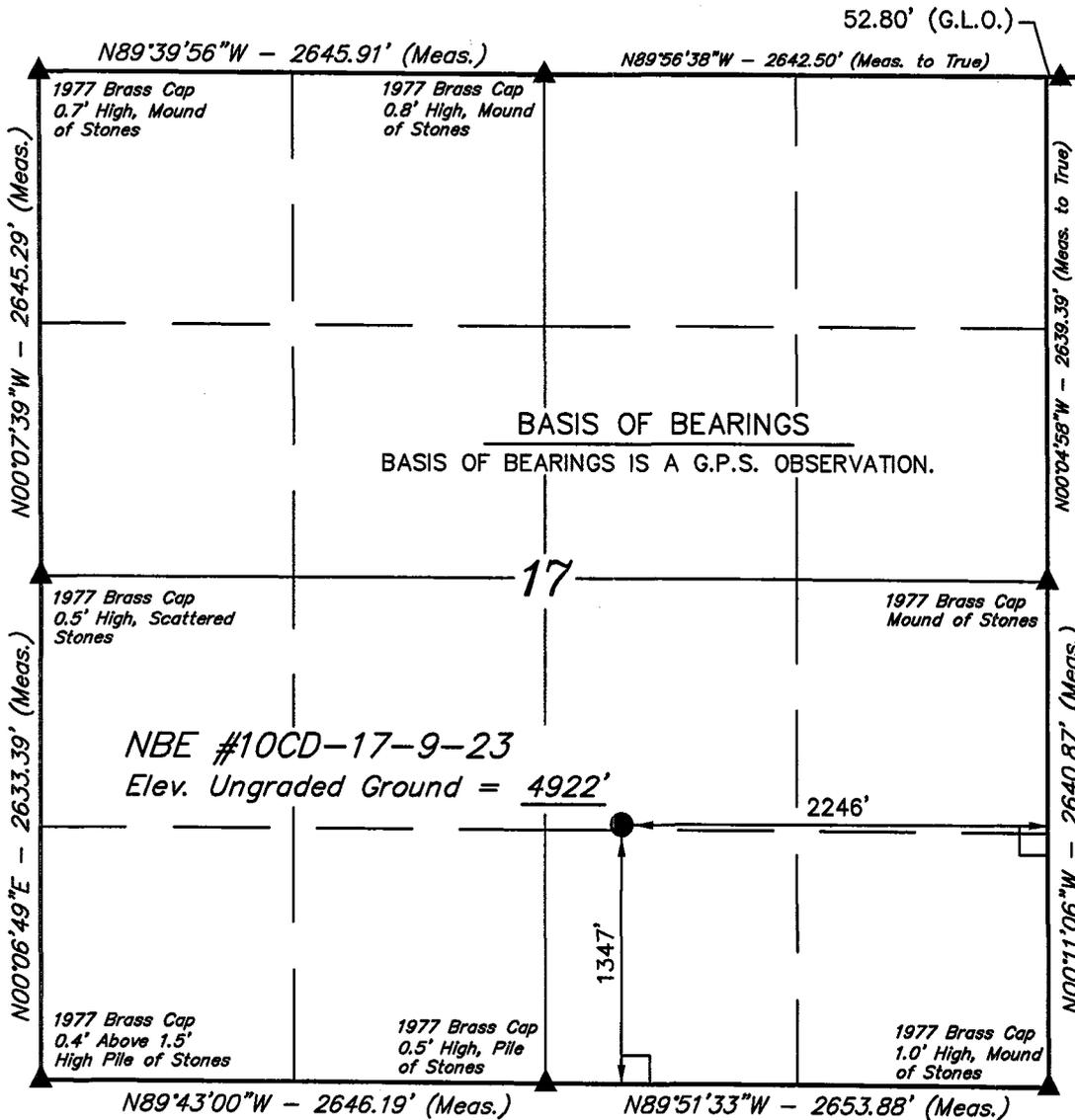
CONFIDENTIAL

DIV. OF OIL, GAS & MINING

T9S, R23E, S.L.B.&M.

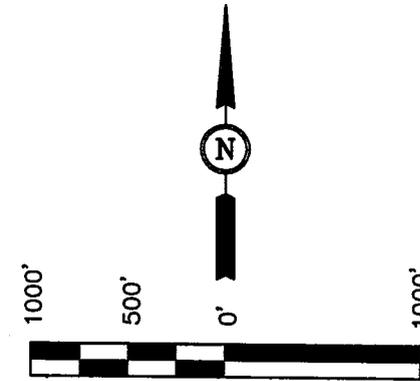
QUESTAR EXPLR. & PROD.

Well location, NBE #10CD-17-9-23, located as shown in the NW 1/4 SE 1/4 of Section 17, T9S, R23E, S.L.B.&M., Uintah County, Utah



BASIS OF ELEVATION

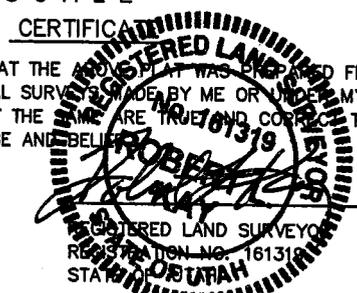
BENCH MARK (57 EAM) LOCATED IN THE NE 1/4 NE 1/4 OF SECTION 29, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5192 FEET.



SCALE

CERTIFICATION

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



REVISED: 04-18-07

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

LEGEND:

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

(AUTONOMOUS NAD 83)  
LATITUDE = 40°01'56.74" (40.032428)  
LONGITUDE = 109°20'57.70" (109.349361)  
(AUTONOMOUS NAD 27)  
LATITUDE = 40°01'56.86" (40.032461)  
LONGITUDE = 109°20'55.25" (109.348681)

SCALE 1" = 1000'	DATE SURVEYED: 02-01-07	DATE DRAWN: 02-15-07
PARTY D.A. B.M. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	

### **Additional Operator Remarks**

Questar Exploration & Production Company proposes to drill a well to 14,055' to test the Dakota. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

Please see Questar Exploration & Production Company Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields on Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Please see Onshore Order No. 1.

Please be advised that Questar Exploration & Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is Questar Exploration & Production company via surety as consent as provided for the 43 CFR 3104.2.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1  
Approval of Operations on Onshore  
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1,480'
Wasatch	4,605'
Mesaverde	6,570'
Sego	8,930'
Castlegate	9,060'
Mancos Shale	9,585'
Dakota	13,655'
TD	14,055'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Wasatch	4,605'
Gas	Mesaverde	6,570'
Gas	Mancos Shale	9,585'
Gas	Dakota	13,655'

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

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

DRILLING PROGRAM

**3. Operator's Specification for Pressure Control Equipment:**

- A. 3,000 psi double gate, and 3,000 psi annular BOP (schematic attached) to 9,650' or intermediate casing point. 10,000 psi double gate, 10,000 psi single gate, and 10,000 psi annular BOP (schematic attached) below intermediate casing point.
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.22 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M and 10M system and individual components shall be operable as designed.

**4. Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.
17-1/2"	14"	sfc	40'	Steel	Cond.	None	Used
12-1/4"	9-5/8"	sfc	2,000'	36.0	J-55	STC	New
8-3/4"	7"	sfc	9,650'	26.0	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	500'	15.1	P-110	LTC	New
6-1/8"	4-1/2"	500'	13,500'	13.5	P-110	LTC	New
6-1/8"	4-1/2"	13,500'	14,055'	15.1	P-110	LTC	New

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9-5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	HCP-110	LTC	7,800 psi	9,950 psi	693,000 lb.
4-1/2"	13.5 lb.	P-110	LTC	10,680 psi	12,410 psi	338,000 lb.
4-1/2"	15.1 lb.	P-110	LTC	14,350 psi	14,420 psi	406,000 lb.

DRILLING PROGRAM

**MINIMUM DESIGN FACTORS:**

COLLAPSE: 1.125  
BURST: 1.00  
TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot  
Maximum anticipated mud weight: 13.4 ppg  
Maximum surface treating pressure: 8,500 psi

**5. Auxiliary Equipment**

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes  
If drilling with air the following will be used:
- F. The blooie line shall be at least 6” in diameter and extend at least 100’ from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 13.4 ppg.

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

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

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

DRILLING PROGRAM

6. **Testing, logging and coring program**

- A. Cores – none anticipated
- B. DST – none anticipated
- C. Logging – Mud logging – 3000' to TD  
GR-SP-Induction, Neutron, Density
- D. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.  
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. **Cementing Program**

**20" Conductor:**

Cement to surface with construction cement.

**9-5/8" Surface Casing: sfc – 2,000' (MD)**

**Lead Slurry:** 0' – 1,700'. 365 sks (1075 cu ft) Rockies LT cement + 0.25 lb/sk Flocele. Slurry wt: 11.5 ppg, Slurry yield: 2.94 ft<sup>3</sup>/sk, Slurry volume: 12-1/4" hole + 100% excess.

**Tail Slurry:** 1,700' – 2,000'. 150 sks (185 cu ft) 50/50 Poz Premium AG + 5% salt + 0.25 lb/sk Flocele. Slurry wt: 11.5 ppg, Slurry yield: 1.24 ft<sup>3</sup>/sk, Slurry volume: 12-1/4" hole + 100% excess.

**7" Intermediate Casing: sfc - 9,650' (MD)**

**Lead Slurry:** 0' – 4,800'. 250 sks (965 cu ft) Halliburton Hi-Fill cement. Slurry wt: 11.0 ppg, Slurry yield: 3.86 ft<sup>3</sup>/sk, Slurry volume: 8-3/4" hole + 50% excess in open hole section.

**Tail Slurry:** 4,800' – 9,650'. 880 sks (1090 cu ft) 50/50 Poz Premium AG + 2.0% Bentonite + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.25 lb/sk Flocele. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft<sup>3</sup>/sk, Slurry volume: 8-3/4" hole + 50% excess.

**4-1/2" Production Casing: sfc - 14,055' (MD)**

**Lead Slurry:** 0' - 4,800'. 130 sks (500 cu ft) Halliburton Hi-Fill cement + 16% Bentonite + 0.75% Econolite + 3% salt + 0.8% HR-7 retarder. Slurry wt: 11.0 ppg, Slurry yield: 3.84 ft<sup>3</sup>/sk, Slurry volume: 4-1/2" casing inside 7" casing.

**Tail Slurry:** 4,800' – 14,055'. 1050 sks (1300 cu ft) of 50/50 Poz Premium AG + 2.0% Bentonite + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.2% HR-5 retarder + 0.25 lb/sk Flocele. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft<sup>3</sup>/sk, Slurry volume: 6-1/8" hole + 20% excess in open hole section.

DRILLING PROGRAM

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

**8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No 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 9,900 psi. Maximum anticipated bottom hole temperature is 250° F.

# DRILLING PROGRAM

## SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK

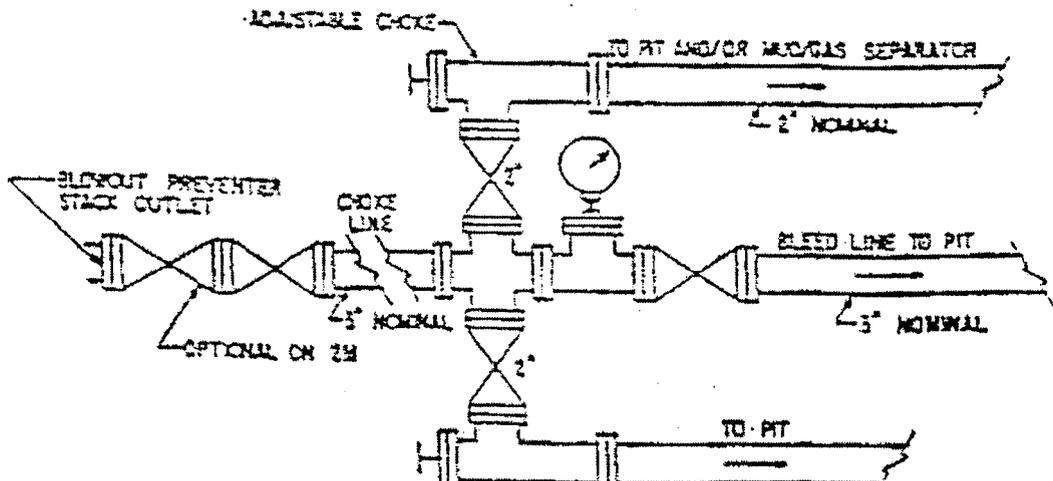
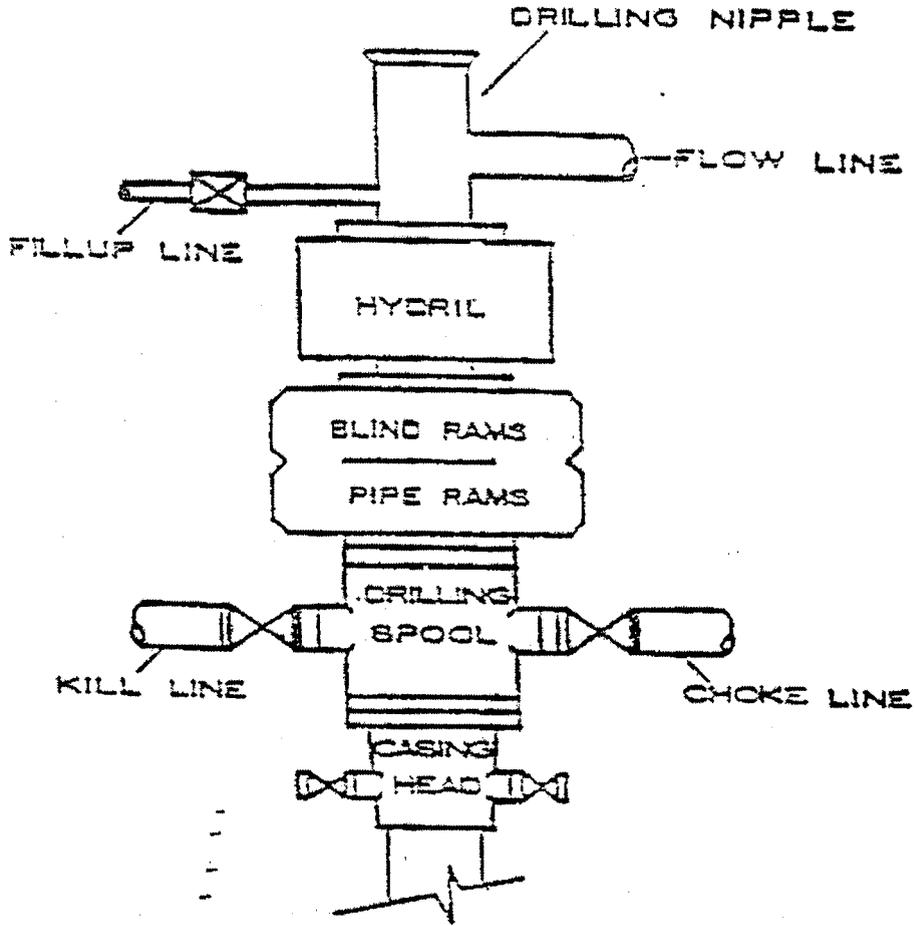
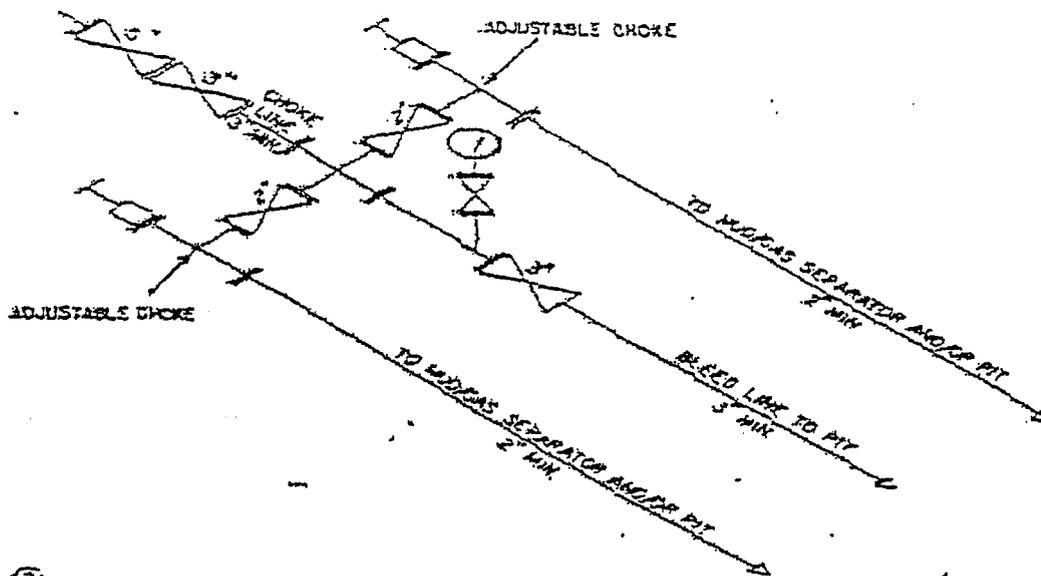


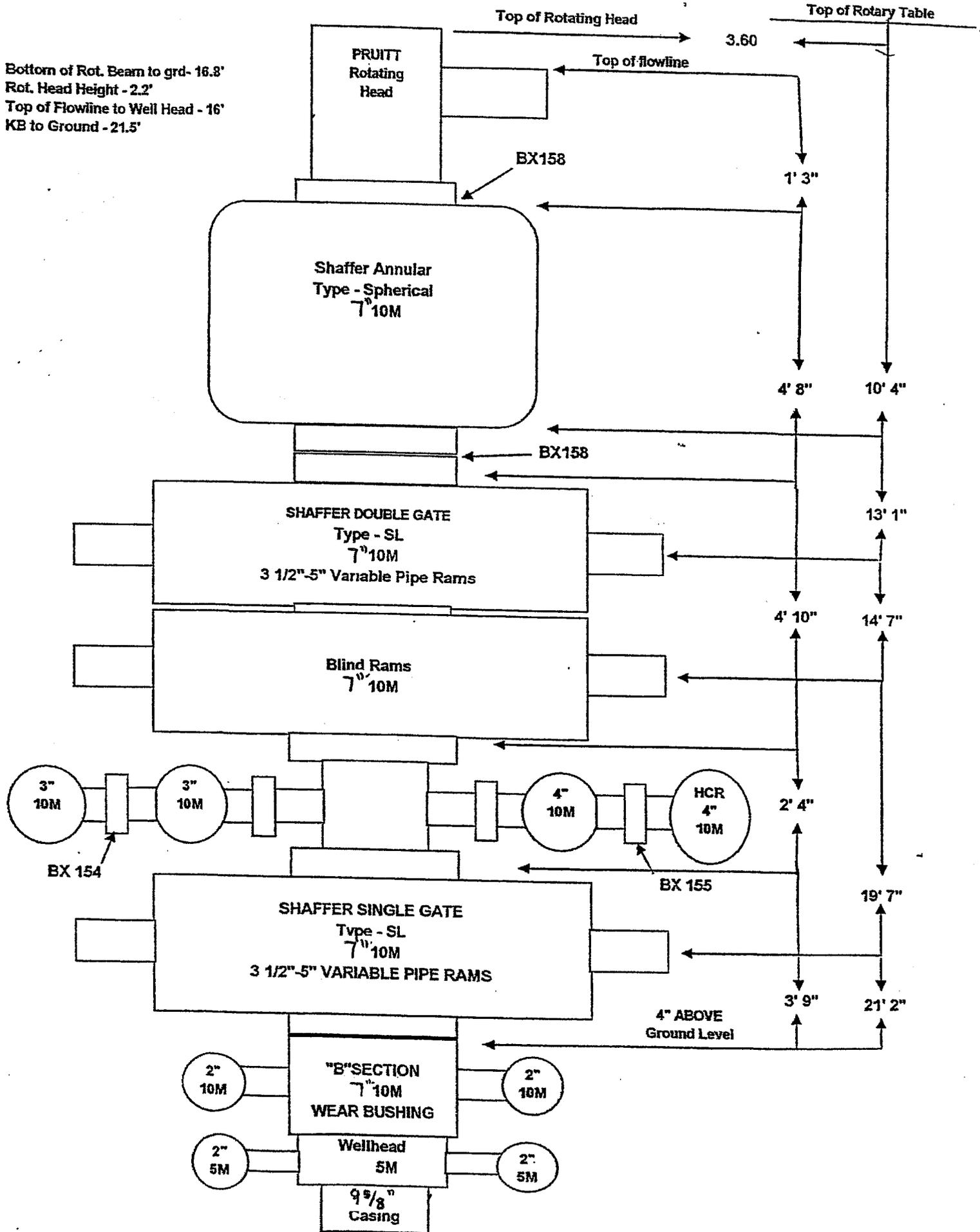
EXHIBIT A CONTINUED

46312 Federal Register / Vol. 53, No. 223 / Friday, November 13, 1988 / Rules and Regulations

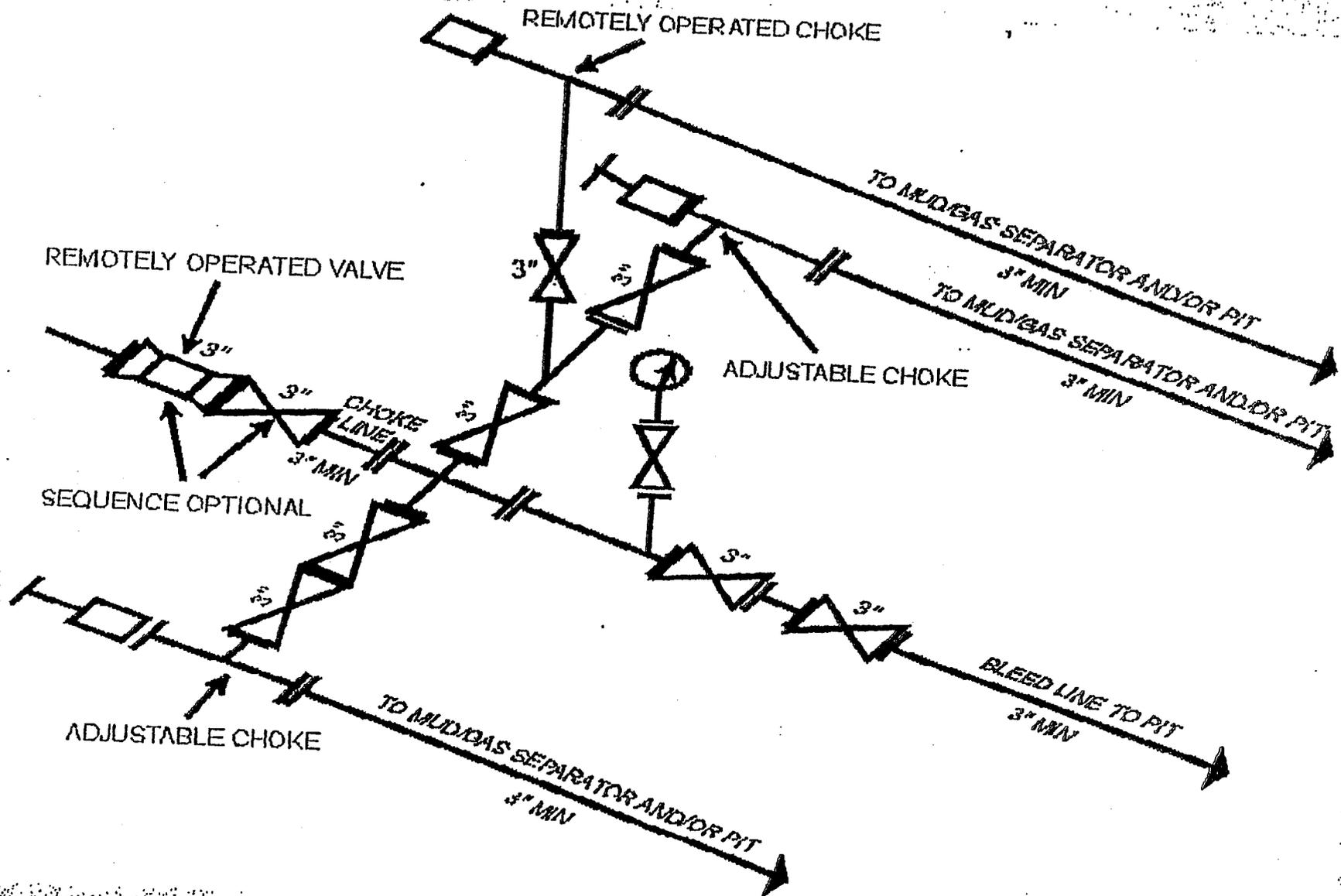


② 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Bottom of Rot. Beam to grd- 16.8'  
 Rot. Head Height - 2.2'  
 Top of Flowline to Well Head - 16'  
 KB to Ground - 21.5'



Attachment I. Diagrams of Choke Manifold Equipment



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

[54] PR 39528, Sept. 27, 1989

Last Updated March 25, 1997 by John Broderick

QUESTAR EXPLORATION & PRODUCTION CO.  
NBE 10CD-17-9-23  
1347' FSL 2246' FEL  
NWSE, SECTION 17, T9S, R23E  
UINTAH COUNTY, UTAH  
LEASE # UTU-72634

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBE 10CD-17-9-23 on 4-10-07. Weather conditions were cold & windy at the time of the onsite. In attendance at the inspection were the following individuals:

Paul Buhler	Bureau of Land Management
Amy Torres	Bureau of Land Management
Jan Nelson	Questar Exploration & Production, Co.

1. **Existing Roads:**

The proposed well site is approximately 22 miles southeast 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 roads.

2. **Planned Access Roads:**

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

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

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

Please refer to Topo Map C.

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

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

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

*Pipeline will be 6" or smaller.*

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

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

**6. Source of Construction Materials:**

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

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

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

A Evaporating System will be used to evaporate the reserve pits.

**8. Ancillary Facilities:**

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

**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

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

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

Please see Questar Exploration & Production company Standard Operating Practices dated October 18, 2005, for Mesa Verde formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 & 09 South, Ranges 21 to 25 East.

**Interim Reclamation**

Please see attached Interim Reclamation plan.

Once the well is put onto production, Questar Exploration & Production Company will reclaim as much of the well pad as possible that will allow for operations to continue in a safe and reasonable manner. Reseeding will be done in the spring and fall of each year to allow winter precipitation to aid in the success of reclamation.

**Seed Mix:**

*Interim Reclamation:*

6 lbs Hycrest Crested Wheatgrass  
6 lbs Needle & Threadgrass

*Final Reclamation:*

Seed Mix # 6      3 lbs. Wyoming Big Sage Brush, 3 lbs. Shadscale, 3 lbs. Indian Rice Grass,  
4 lbs. Hycrest Crested Wheat

**11. Surface Ownership:**

The well pad and access road are located on lands owned by:  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

**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.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted directly to the appropriate agencies by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. Questar Exploration & Production Company will provide paleo monitor if needed.

No Drilling or construction will take place during the Pronghorn season May 10 thru June 20.

**QUESTAR EXPLORATION & PRODUCTION, CO.**  
**Request for Exception to Buried Pipeline**  
**For**  
**NBE 10CD-17-9-23**

QEP respectfully requests an exception to burying this pipeline. We understand the standard Condition of Approval (COA) that may be included in the approved Application for Permit to Drill (APD) is: *“As a Best Management Practice (BMP), the pipeline would be buried within the identified construction width of an access corridor that contains the access road and pipelines. The construction width for the access corridor would increase from 30 feet, by an additional 20 feet, to a total of 50 feet. Exceptions to this BMP may be granted where laterally extensive, hard indurated bedrock, such as sandstone, is at or within 2 feet of the surface; and, soil types with a poor history of successful rehabilitation.”* QEP will install the pipeline within the access corridor and will avoid cross-country installation when possible. Our reason for requesting a surface line is based on the following justification:

**Class IV VRM**

- ◆ This area’s designated Visual Resource Management is classified as Class IV. The Class IV objective is to provide for management activities that require major modification to the existing character of the landscape. The level of change to the landscape can be high. The management activities may dominate the view and may be the major focus of the viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance, and repetition of the basic visual elements of form, line, color, and texture.
- ◆ QEP feels that surface pipe will comply with this classification more so than buried pipe due to the amount of surface disturbance that will be required to bury it. We believe surface installation within the access corridor will minimize the disturbance so that the pipeline does not dominate the view.

**Environmental and Safety Concerns**

- ◆ Buried pipe will greatly increase surface disturbance and habitat fragmentation. The soil in this area has a poor history of successful rehabilitation. Buried pipe will have an increased corrosion rate and would need to be dug up for repairs or replacement; the constant surface disturbance will not allow time for successful reclamation.
- ◆ Increasing surface disturbance will greatly increase noxious and invasive weed infestation.

- ◆ With the increased corrosion rate, buried pipe may have undetectable leaks that could go unnoticed for months. Small leaks may turn into large plumes of underground hazards because they are not easily monitored and not seen right away. An undetected leak also increases the potential for explosive incidents. Once detected, the surface will need to be disturbed, once again, to dig up the line and replace or repair it.
- ◆ Accidents associated with pipe breaks during construction activities could increase substantially as the number of buried lines increases.
- ◆ The additional surface disturbance will increase the risk of disturbing paleontological sites.

### **Operational and Mechanical Concerns for Gas Lines**

- ◆ Cathodic protection will be required for buried pipe. Cathodic protection requires anode beds that must be maintained. This will add substantial costs in labor and material. Additional power lines will need to be installed to the anode beds. The additional costs for equipment and labor will be approximately \$50,000.00 per section.
- ◆ Pipeline markers need to be used with buried pipe. This will add costs in labor and material.
- ◆ Every tie in requires a valve. The average distance between valves is approximately ¼ mile. Valves will have to be placed in “freeze boxes” or “valve boxes”. Valve boxes will be considered confined space which increases the manpower needed to repair or replace valves. Every valve box will also require bright yellow guard rails.
- ◆ Additional equipment required for buried pipe can include blades/dozers, trenchers (cutting or blasting in hard rock), side booms, etc. which increases installation costs.
- ◆ Buried pipe must have fusion bonded epoxy (FBE) coating. FBE pipe will cost an additional \$2.00 per foot compared to bare pipe.
- ◆ This pipeline has the potential for being upgraded/upsized to a larger pipe diameter depending on production volumes. If upsizing is required, the pipe will need to be dug up which will cause additional surface disturbance and will not allow adequate time for successful reclamation.
- ◆ Surface lines are sometimes relocated to accommodate new locations; this is done in an effort to minimize the amount of pipe needed and the amount of surface disturbed. If this pipe is buried, this will no longer be an option.

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

Jan Nelson  
Red Wash Rep.  
Questar Expl. & Prod. Co.  
1571 E. 1700 S.  
Vernal, Utah 84078  
(435) 781-4032

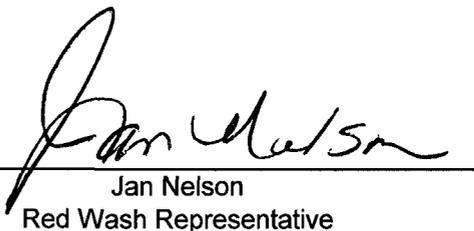
**Certification:**

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.

Questar Exploration & Production company 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 Questar Exploration & Production Company it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
Jan Nelson  
Red Wash Representative

29-May-07  
\_\_\_\_\_  
Date

# QUESTAR EXPLR. & PROD.

NBE #10CD-17-9-23

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 17, T9S, R23E, S.L.B.&M.

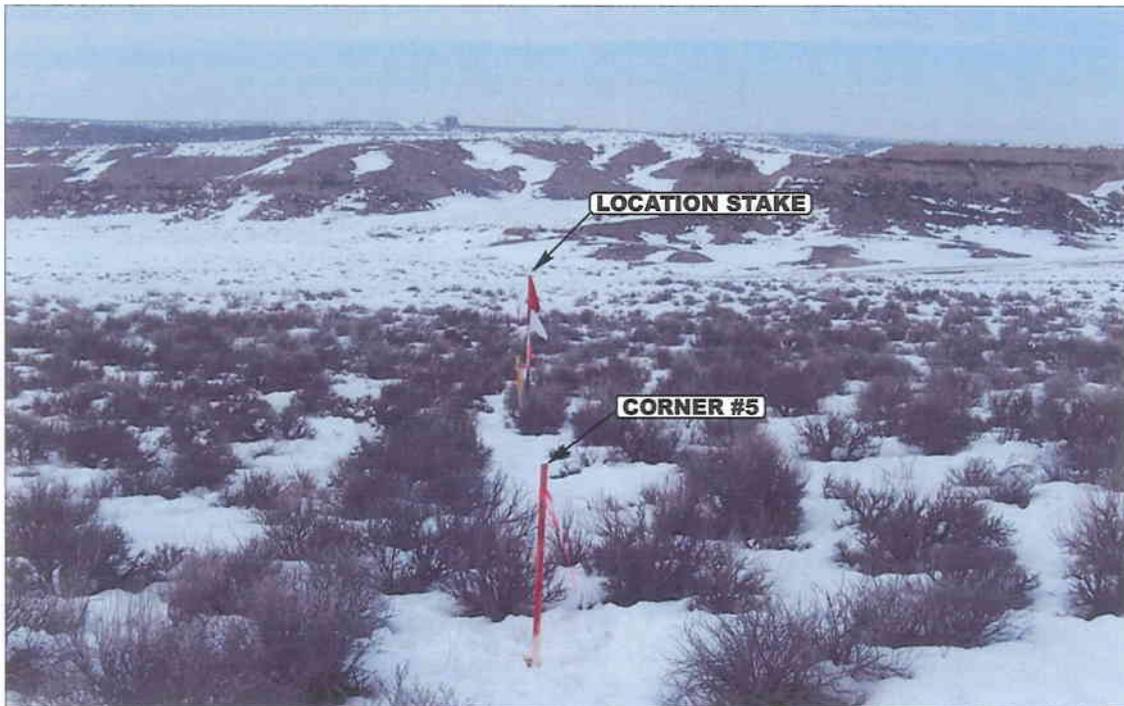


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



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

- Since 1964 -

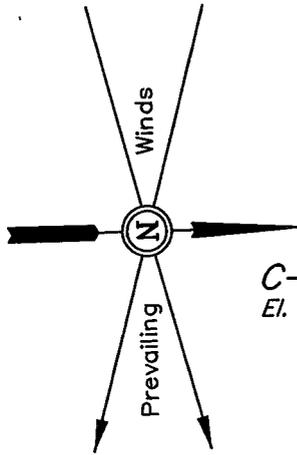
<b>LOCATION PHOTOS</b>			<b>02</b>	<b>13</b>	<b>07</b>	<b>PHOTO</b>
			MONTH	DAY	YEAR	
TAKEN BY: D.A.	DRAWN BY: L.K.	REV: 04-18-07 C.H.				

# QUESTAR EXPLR. & PROD.

FIGURE #1

## LOCATION LAYOUT FOR

NBE #10CD-17-9-23  
SECTION 17, T9S, R23E, S.L.B.&M.  
1347' FSL 2246' FEL



C-6.8'  
El. 27.4'

Proposed Access Road

Existing Road  
Existing Pipeline

F-10.2'  
El. 10.4'

Topsoil Stockpile

Sta. 4+00

F-1.2'  
El. 19.4'

Round Corners  
as Needed

SCALE: 1" = 60'  
DATE: 02-15-07  
DRAWN BY: P.M.  
REV: 04-18-07 C.H.

**NOTE:**

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



Pit Topsoil

FLARE PIT

C-7.6'  
El. 28.2'

PIPE TUBS

C-3.7'  
El. 24.3'

PIPE RACKS

C-0.9'  
El. 21.5'

El. 30.2'  
C-24.6'  
(Btm. Pit)

Sta. 2+00

F-8.0'  
El. 12.6'

Approx.  
Top of  
Cut Slope

Reserve Pit Backfill  
& Spoils Stockpile

10' WIDE BENCH

RESERVE PITS  
(15' Deep)

SLOPE 1-1/2 : 1

C-3.7'  
El. 24.3'

TRASH

PROPANE  
STORAGE

LIGHT PLANT

BOILER

COMPRESSOR

BOOSTER

TOILET

TRAILER

WATER  
TANK

Sta. 0+50

C-3.0'  
El. 23.6'

Sta. 0+00

Topsoil Stockpile

El. 33.8'  
C-28.2'  
(Btm. Pit)

C-6.4'  
El. 27.0'

F-7.0'  
El. 13.6'

**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 4921.5'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4920.6'

**QUESTAR EXPLR. & PROD.**

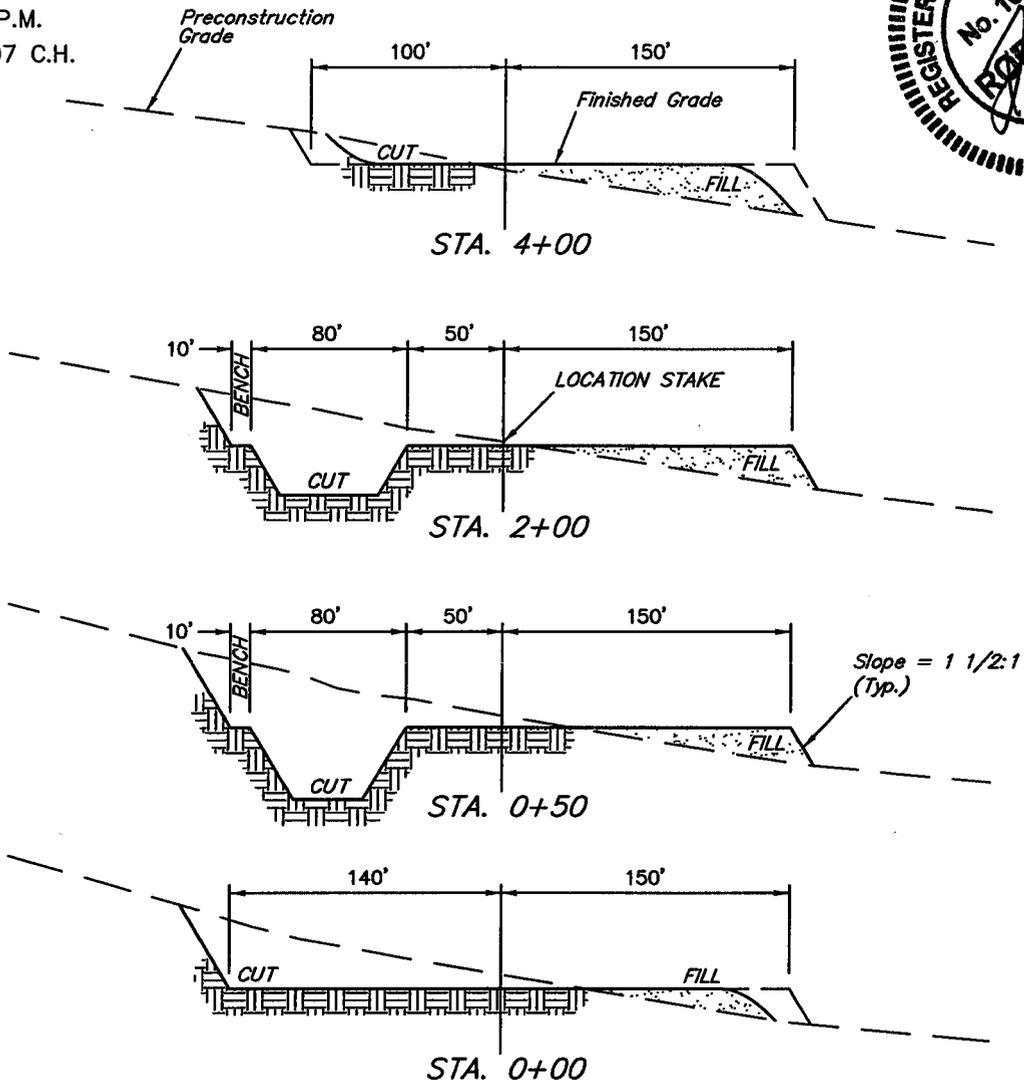
**FIGURE #2**

**TYPICAL CROSS SECTIONS FOR**

**NBE #10CD-17-9-23  
SECTION 17, T9S, R23E, S.L.B.&M.  
1347' FSL 2246' FEL**

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

**DATE: 02-15-07  
DRAWN BY: P.M.  
REV: 04-18-07 C.H.**



**APPROXIMATE ACREAGES**

**WELL SITE DISTURBANCE = ± 3.275 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.083 ACRES  
PIPELINE DISTURBANCE = ± 0.014 ACRES  
TOTAL = ± 3.372 ACRES**

**\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION**

**NOTE:**

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

**APPROXIMATE YARDAGES**

**CUT  
(6") Topsoil Stripping = 2,470 Cu. Yds.  
Remaining Location = 17,450 Cu. Yds.  
TOTAL CUT = 19,920 CU.YDS.  
FILL = 11,250 CU.YDS.**

**EXCESS MATERIAL = 8,670 Cu. Yds.  
Topsoil & Pit Backfill = 5,440 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 3,230 Cu. Yds.  
(After Interim Rehabilitation)**

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

**QUESTAR EXPLR. & PROD.**

**FIGURE #3**

**INTERIM RECLAMATION PLAN FOR**

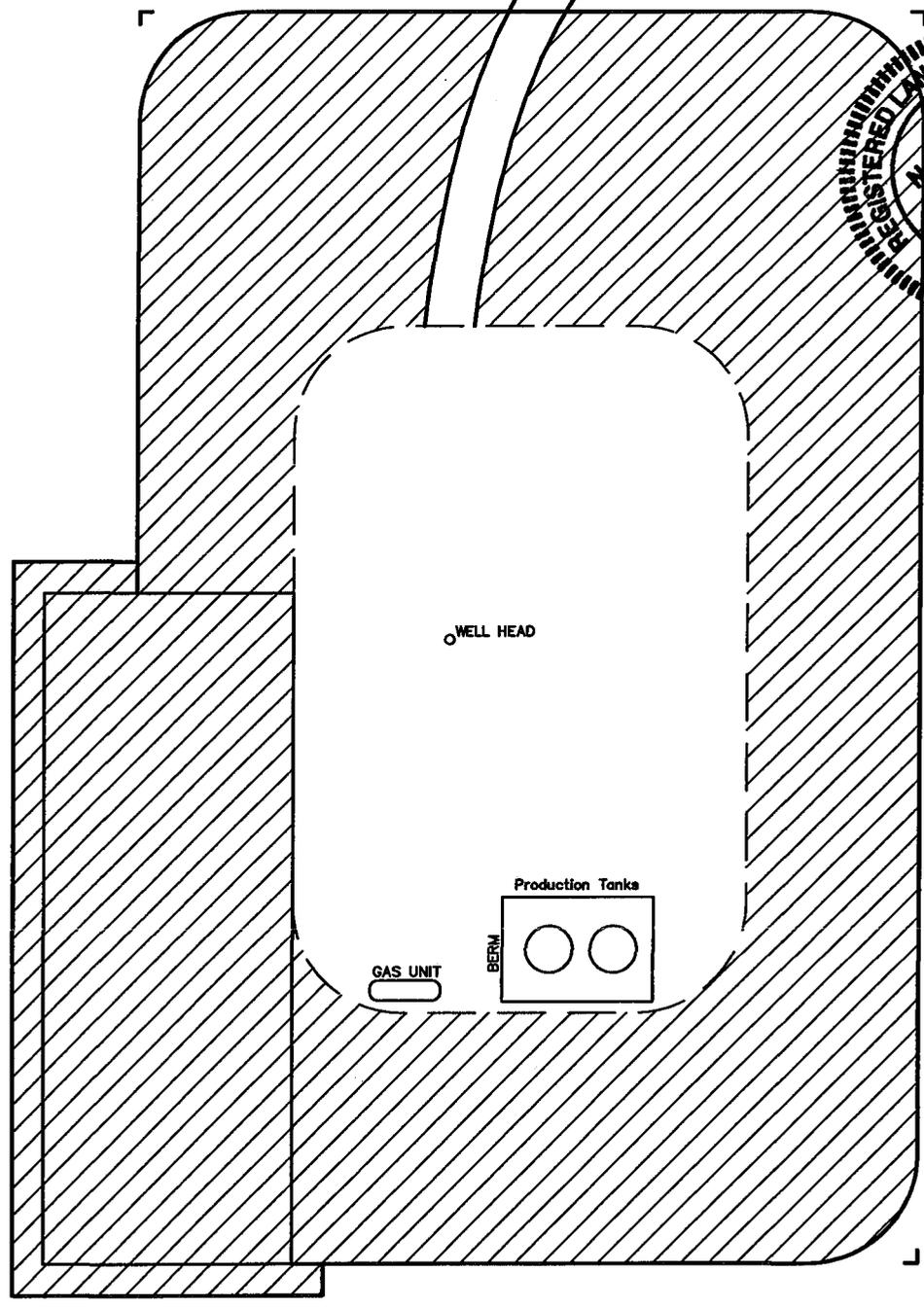
NBE #10CD-17-9-23  
SECTION 17, T9S, R23E, S.L.B.&M.  
1347' FSL 2246' FEL



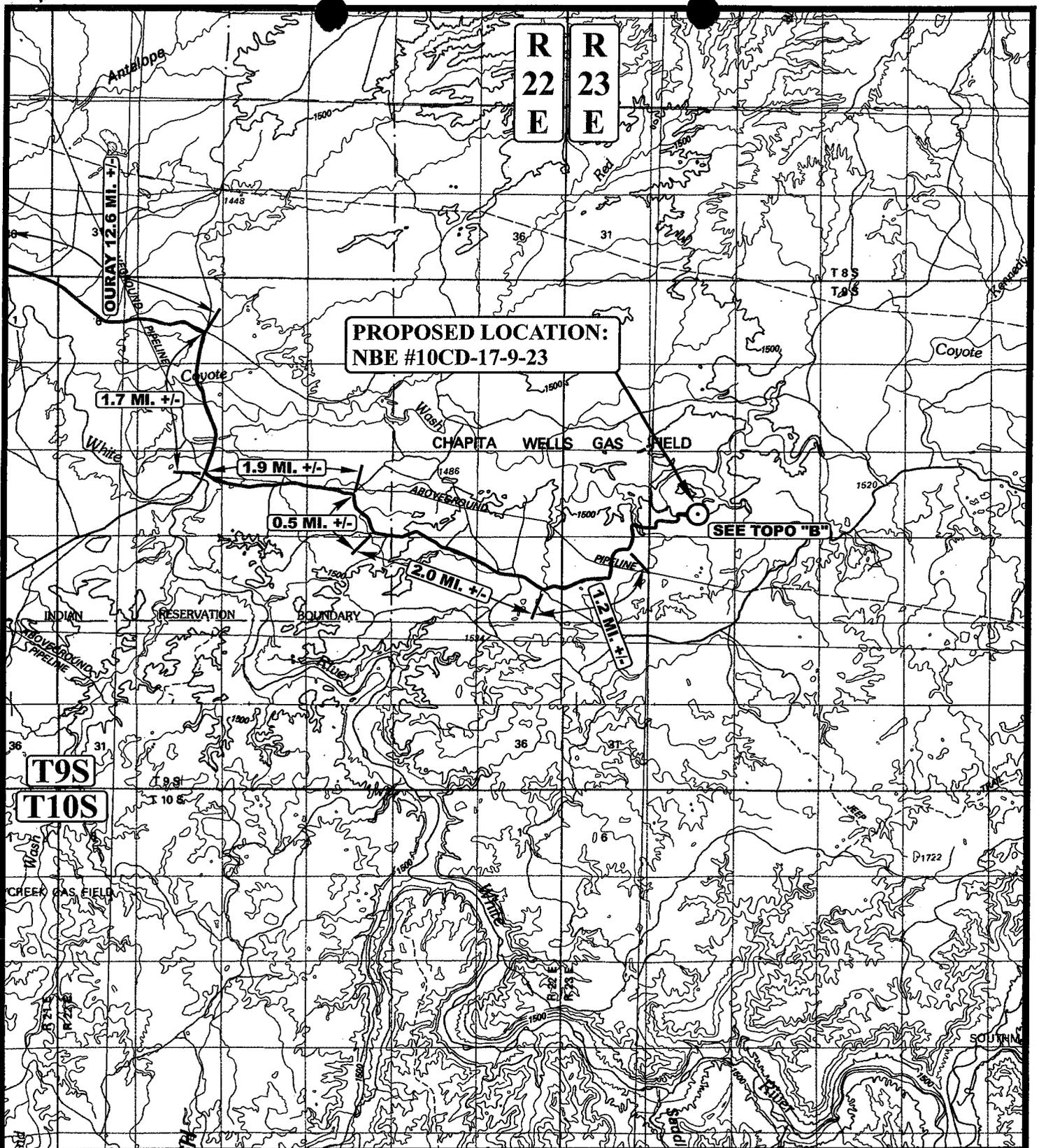
SCALE: 1" = 60'  
DATE: 02-15-07  
DRAWN BY: P.M.  
REV: 04-18-07 C.H.

Access Road

Existing Road



 INTERIM RECLAMATION



**PROPOSED LOCATION:  
NBE #10CD-17-9-23**

**LEGEND:**

⊙ PROPOSED LOCATION

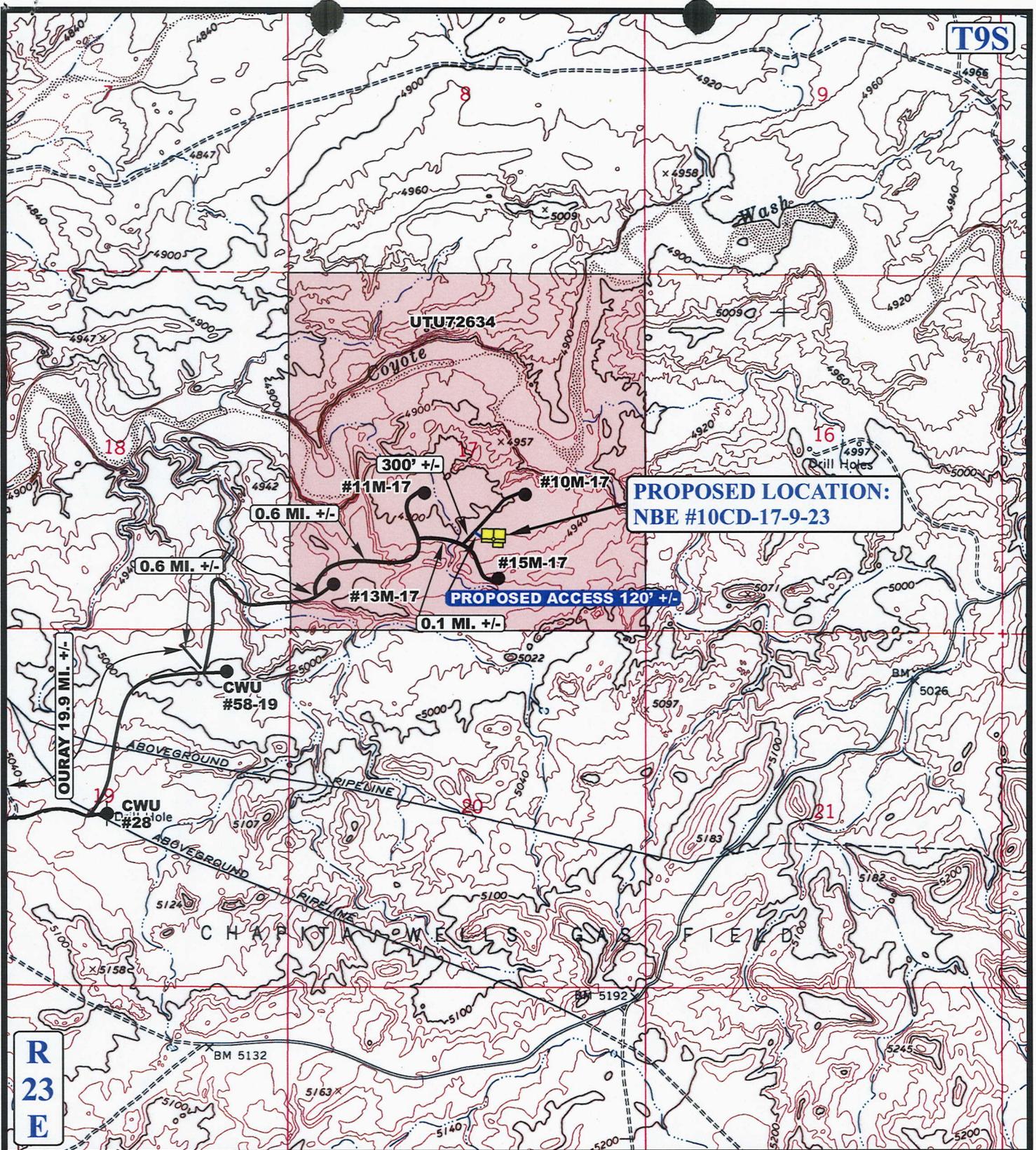
**QUESTAR EXPLR. & PROD.**

NBE #10CD-17-9-23  
SECTION 17, T9S, R23E, S.L.B.&M.  
1347' FSL 2246' FEL

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



**TOPOGRAPHIC MAP**  
 02 13 07  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: L.K. REV: 04-18-07 C.H. **A TOPO**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

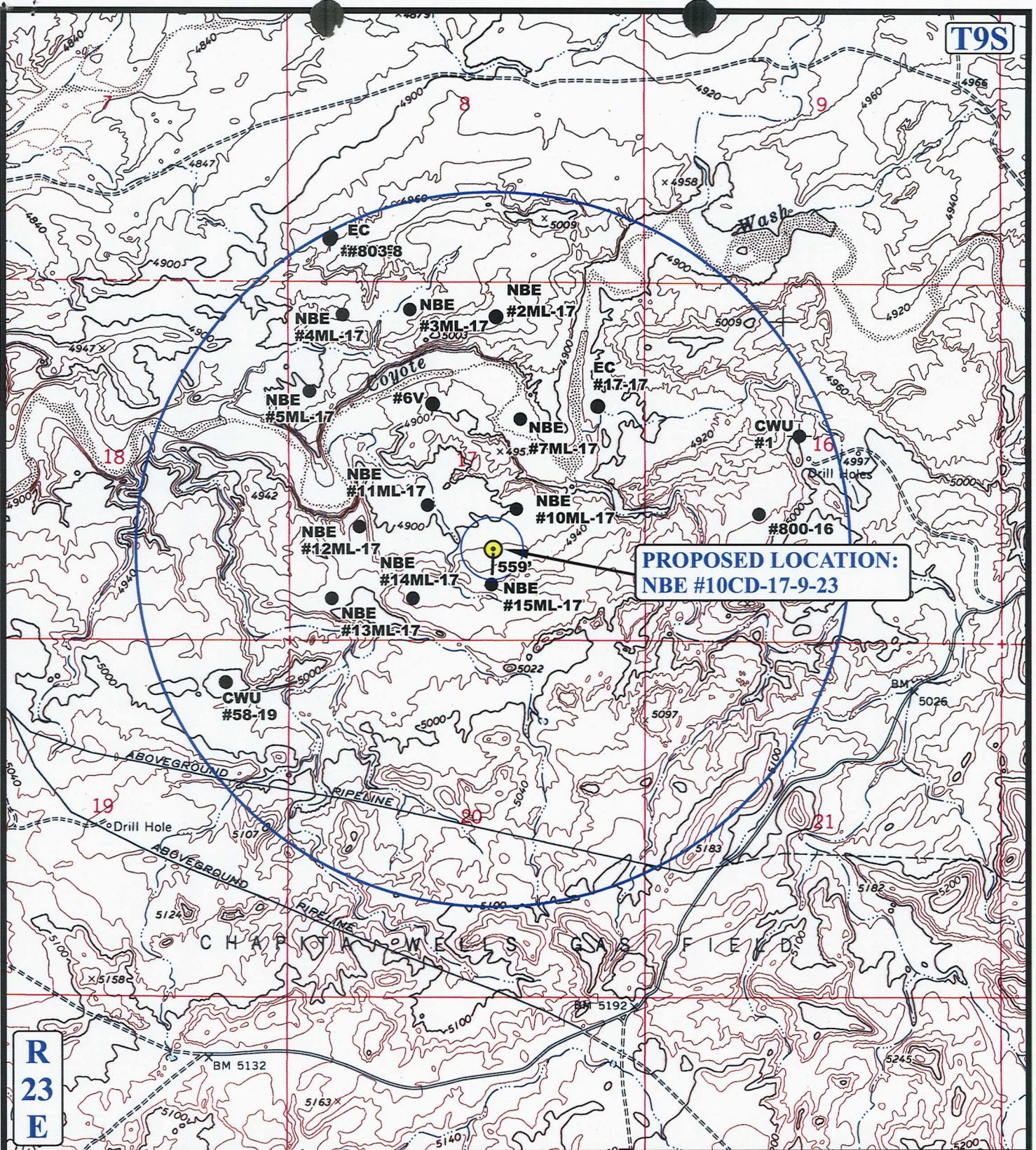
**QUESTAR EXPLR. & PROD.**

NBE #10CD-17-9-23  
 SECTION 17, T9S, R23E, S.L.B.&M.  
 1347' FSL 2246' FEL

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



**TOPOGRAPHIC MAP** **02 13 07**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REV: 04-18-07 C.H. **B**  
 TOPO



**PROPOSED LOCATION:  
NBE #10CD-17-9-23**

**LEGEND:**

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



**QUESTAR EXPLR. & PROD.**

**NBE #10CD-17-9-23**  
**SECTION 17, T9S, R23E, S.L.B.&M.**  
**1347' FSL 2246' FEL**



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

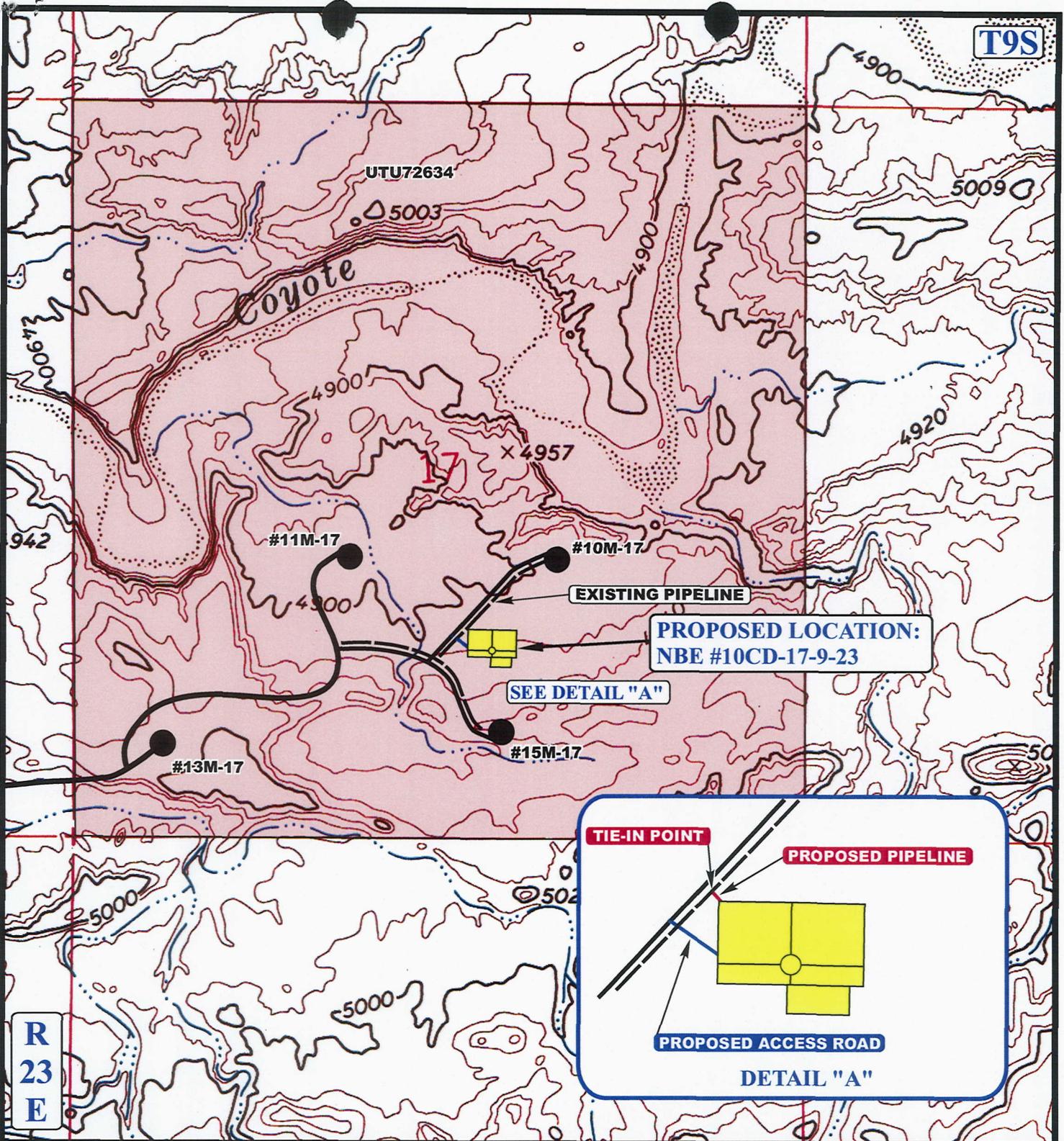
**TOPOGRAPHIC  
MAP**

**02 13 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K.

REV: 04-18-07 C.H.





T9S

R  
23  
E

APPROXIMATE TOTAL PIPELINE DISTANCE = 20' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



**QUESTAR EXPLR. & PROD.**

NBE #10CD-17-9-23  
SECTION 17, T9S, R23E, S.L.B.&M.  
1347' FSL 2246' FEL

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

**TOPOGRAPHIC MAP** 02 13 07  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: L.K. REV: 04-18-07 C.H. **D**  
TOPO

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/08/2007

API NO. ASSIGNED: 43-047-39349
--------------------------------

WELL NAME: NBE 10CD-17-9-23  
 OPERATOR: QUESTAR EXPLORATION & ( N5085 )  
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4032

PROPOSED LOCATION:

NWSE 17 090S 230E  
 SURFACE: 1347 FSL 2246 FEL  
 BOTTOM: 1347 FSL 2246 FEL  
 COUNTY: UINTAH  
 LATITUDE: 40.03248 LONGITUDE: -109.3486  
 UTM SURF EASTINGS: 640903 NORTHINGS: 4432458  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-72634  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: DKTA  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-2153 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

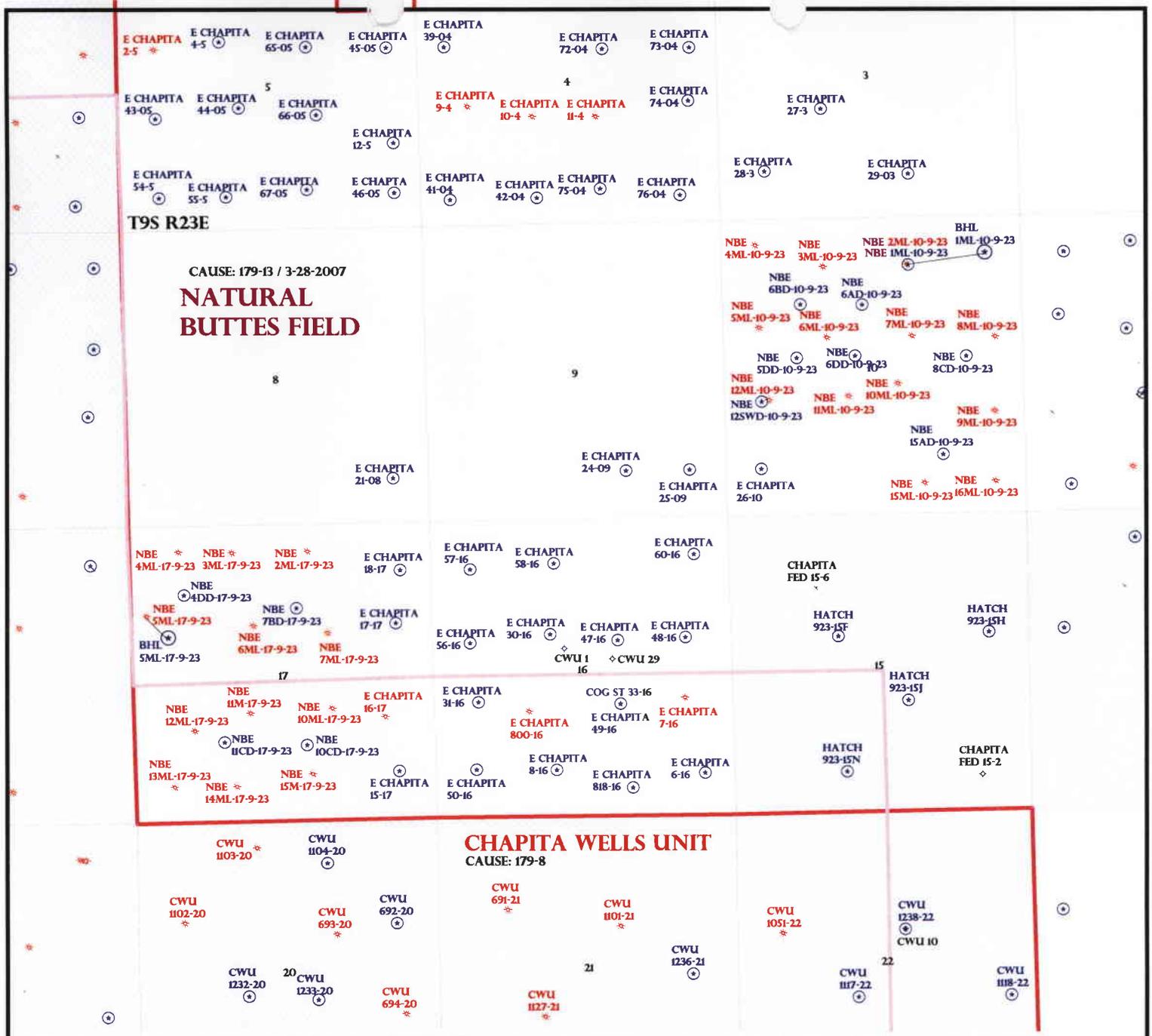
- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception 40 Dakota
- Drilling Unit  
Board Cause No: 179-13 (20 acre)  
Eff Date: 3-28-07  
Siting: See Cause order
- R649-3-11. Directional Drill

COMMENTS:

See Separate files

STIPULATIONS:

1-Federal Approval



CAUSE: 179-13 / 3-28-2007  
**NATURAL BUTTES FIELD**

**CHAPITA WELLS UNIT**  
 CAUSE: 179-8

OPERATOR: QUESTAR EXPL & PROD (N5085)  
 SEC: 10,17 T.9S R. 23E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 CAUSE: 179-13 / 3-28-2007

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



PREPARED BY: DIANA MASON  
 DATE: 13-JUNE-2007

June 5, 2007

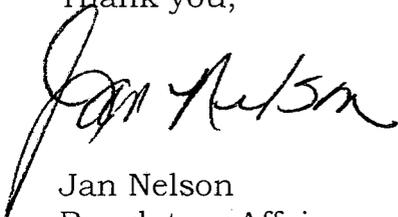
Division of Oil, Gas & Mining  
1594 W. N. Temple STE 1210  
Salt Lake City, UT 84114-5801

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3 Questar Exploration & Production, Co. *NBE 7BD-17-9-23, NBE 4DD-17-9-23, NBE 10CD-17-9-23, NBE 11CD-17-9-23, NBE 6AD-10-9-23, NBE 6BD-10-9-23, NBE 5DD-10-9-23, NBE 8CD-10-9-23, NBE 15AD-10-9-23, NBE 6DD-10-9-23, NBE 8BD-26-9-23, NBE 3DD-26-9-23, NBE 3CD-26-9-23, NBE 7DD-26-9-23, NBE 12AD-26-9-23, NBE 5DD-26-9-23, NBE 13AD-26-9-23, NBE 14AD-26-9-23 and NBE 9CD-26-9-23* is an exception to this rule due to cause 179-13. These nineteen (19) wells will be drilled as exploratory test wells to the Dakota Formation drilled on 20 acre spacing.

There are no additional lease owners within 460' of the proposed location. If you have any questions please contact Jan Nelson @ (435) 781-4032 or Nate Koeniger @ 303-672-6906.

Thank you,



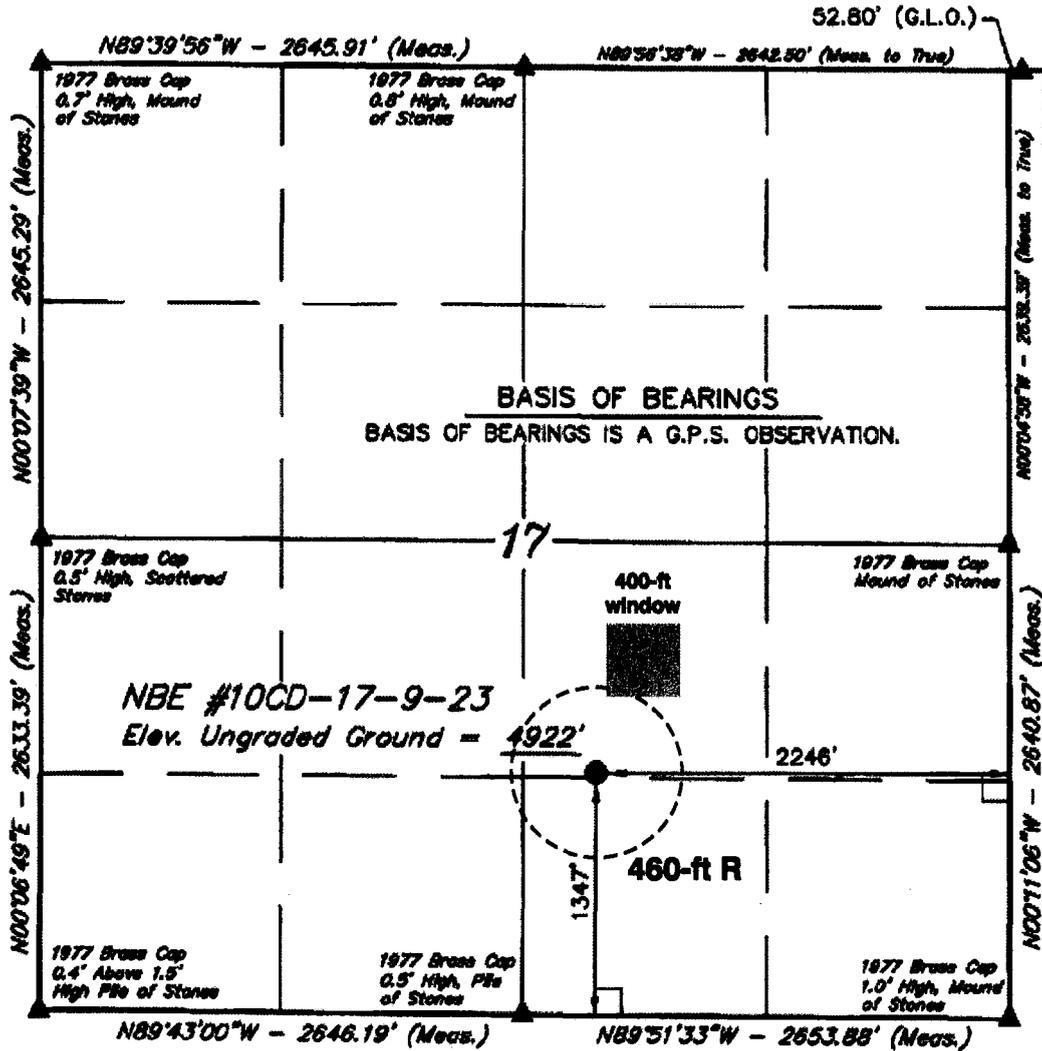
Jan Nelson  
Regulatory Affairs

**RECEIVED**  
JUN 08 2007  
DIV. OF OIL, GAS & MINING

T9S, R23E, S.L.B.&M.

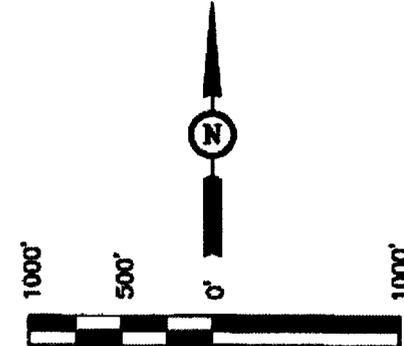
**QUESTAR EXPLR. & PROD.**

Well location, NBE #10CD-17-9-23, located as shown in the NW 1/4 SE 1/4 of Section 17, T9S, R23E, S.L.B.&M., Uintah County, Utah



**BASIS OF ELEVATION**

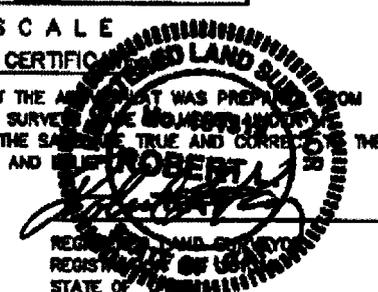
BENCH MARK (57 EAM) LOCATED IN THE NE 1/4 NE 1/4 OF SECTION 29, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5192 FEET.



SCALE

CERTIFICATE

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



REVISED: 04-18-07

**LEGEND:**

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

(AUTONOMOUS NAD 83)  
 LATITUDE = 40°01'56.74" (40.032428)  
 LONGITUDE = 109°20'57.70" (109.349361)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 40°01'56.86" (40.032461)  
 LONGITUDE = 109°20'55.25" (109.348881)

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 02-01-07	DATE DRAWN: 02-15-07
PARTY D.A. B.M. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QUESTAR EXPLR. & PROD.	



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil Gas and Mining**

JOHN R. BAZA  
Division Director

June 18, 2007

Questar Exploration & Production Company  
1571 E 1700 S  
Vernal, UT 84078

Re: NBE 10CD-17-9-23 Well, 1347' FSL, 2246' FEL, NW SE, Sec. 17, T. 9 South,  
R. 23 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 for the Dakota Formation 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 43-047-39349.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Questar Exploration & Production Company  
Well Name & Number NBE 10CD-17-9-23  
API Number: 43-047-39349  
Lease: UTU-72634

Location: NW SE                      Sec. 17                      T. 9 South                      R. 23 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 with 24 hours of spudding the well.

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

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

- Contact Dustin Doucet at (801) 538-5281 office      (801) 733-0983 home

3. Reporting Requirements

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SUBMIT IN TRIPLICATE  
VERNAL FIELD OFFICE  
2007 JUN -7 AM 10:55

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK  
 DRILL  DEEPEN

TYPE OF WELL  
   SINGLE ZONE  MULTIPLE ZONE

OIL WELL GAS WELL OTHER

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-72634

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME, WELL NO.  
NBE 10CD-17-9-23

2. NAME OF OPERATOR  
QUESTAR EXPLORATION & PRODUCTION CO.

Contact: Jan Nelson  
E-Mail: jan.nelson@questar.com

9. API NUMBER:  
43-047-39349

3. ADDRESS  
1571 E. 1700 S. Vernal, Ut 84078

Telephone number  
Phone 435-781-4032 Fax 435-781-4045

10. FIELD AND POOL, OR WILDCAT  
NATURAL BUTTES

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements\*)  
 At Surface 1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E  
 At proposed production zone

11. SEC., T, R, M, OR BLK & SURVEY OR AREA  
SEC. 17, T9S, R23E SLB&M

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE\*  
22 +/- SOUTHEAST OF OURAY, UTAH

12. COUNTY OR PARISH  
Utah

13. STATE  
UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(also to nearest drlg. unit line if any)  
1347' +/-

16. NO. OF ACRES IN LEASE  
1760.00

17. NO. OF ACRES ASSIGNED TO THIS WELL  
20

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft  
559' +/-

19. PROPOSED DEPTH  
14,055

20. BLM/BIA Bond No. on file  
ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.)  
4920.6' GR

22. DATE WORK WILL START  
ASAP

23. Estimated duration  
20 days

24. Attachments

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

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

SIGNED Jan Nelson Name (printed/typed) Jan Nelson

TITLE Regulatory Affairs

DATE 5/29/2007

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE Assistant Field Manager  
Lands & Mineral Resources

\*See Instructions On Reverse Side

NOTICE OF APPROVAL

DATE 9-10-2007

VERNAL FIELD OFFICE  
CONFIDENTIAL

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

RECEIVED  
SEP 17 2007

UDOGM

NOS 03/19/2007 DIV. OF OIL, GAS & MINING 07PP/595A

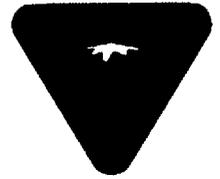


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Questar Exploration &amp; Production Co.</b>	<b>Location:</b>	<b>NWSE, Sec. 17, T9S, R23E</b>
<b>Well No:</b>	<b>NBE 10CD-17-9-23</b>	<b>Lease No:</b>	<b>UTU-72634</b>
<b>API No:</b>	<b>43-047-39349</b>	<b>Agreement:</b>	<b>N/A</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

**Surface COAs:**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Conditions for Approval are in the APD or SOP.

### **DOWNHOLE COAs:**

#### **SITE SPECIFIC DOWNHOLE COAs:**

- A formation integrity test shall be performed before drilling more than twenty feet below the casing shoe on the intermediate casing.
- The top of the intermediate casing cement shall extend a minimum of 200 feet above the surface casing shoe.

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

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

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

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

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

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: QUESTAR EXPLORATION & PRODUCTION CO

Well Name: NBE 10CD-17-9-23

Api No: 43-047-39349 Lease Type: FEDERAL

Section 17 Township 09S Range 23E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

**SPUDDED:**

Date 01/09/08

Time 10:00 AM

How DRY

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

Reported by RAYMOND PALLESEN

Telephone # (435) 880-7967

Date 01/09/08 Signed CHD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**CONFIDENTIAL**

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

5. Lease Designation and Serial No.  
**UTU-72634**

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

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

8. Well Name and No.  
**NBE 10CD 17 9 23**

9. API Well No.  
**43-047-39349**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
 Well  Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347' FSL, 2246' FEL, NWSE, SEC 17-T9S-R23E**

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

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

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

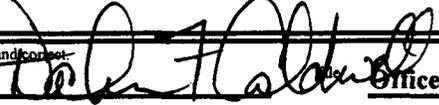
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**On 1/9/08 - Drilled 40' of 17-1/2" conductor hole. Set 40' of 14" conductor pipe. Cmtd w/ Ready Mix.**

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**JAN 11 2008**

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

14. I hereby certify that the foregoing is true and correct.  
Signed Dahn F. Caldwell  Office Administrator II Date 1/9/08

(This space for Federal or State office use)

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

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

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

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
A	99999	16616	43-047-39349	NBE 10CD 17 9 23	NWSE	17	9S	23E	Uintah	1/9/2008	1/17/08
WELL 1 COMMENTS: DKTA											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

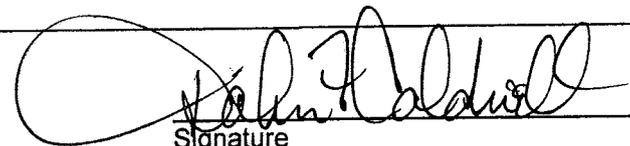
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JAN 11 2008

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ACTION CODES (See instructions on back of form)

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

  
Signature

Office Administrator II      1/9/08  
Title      Date

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

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

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
**UTU-72634**

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
**NBE 10CD-17-9-23**

2. Name of Operator  
**QUESTAR EXPLORATION & PRODUCTION CO. Contact: Steve Hall**

9. API Well No.  
**43-047-39349**

3a. Address **11002 E. 17500 SO. Vernal, UT 84078**  
3b. Phone No. (include area code) **303-672-6919**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E**

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

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

Questar E&P proposes to change the 4 1/2" production casing design from the approved combination 13.5# & 15.1#, P-110, LTC casing to all 15.1#, P-110, LTC casing. The change will increase the safety factors during the stimulation process.

Questar proposes to change the total depth of the well from the approved depth of 14,055' to 14,300' in order to evaluate the entire Dakota formation.

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

Name (Printed/Typed) <b>Laura Bills</b>	Title <b>Regulatory Affairs</b>
Signature <i>Laura Bills</i>	Date <b>February 14, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

(Instructions on reverse)

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**FEB 15 2008**

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43097.39349

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AS 23E 17

APR 01 2008

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Questar E & P

DIV. OF OIL, GAS & MINING Page 1 of 1

**Operations Summary Report**

Legal Well Name: NBE 10CD-17-9-23  
 Common Well Name: NBE 10CD-17-9-23  
 Event Name: COMPLETION  
 Contractor Name: SST Energy  
 Rig Name: SST

Start: 3/26/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Spud Date: 1/10/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/26/2008	08:00 - 14:30	6.50	LOG	2	C-LOG	MIRU LONE WOLF ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS. TAG PBTD AT 14,127'. PULL 300' STRIP TO CORRELATE TO HES OH LOG DATED 3/9/08. LOG FROM PBTD TO 5,000' WITH 4,000 PSI. EST. TOC AT 6,500'. BHT 278*.
3/30/2008	15:00 - 16:00	1.00	PTST	2	C-PRE	RU IPS CHOKE BODY AND FLOWLINE TO PIT. BLEED DOWN ANNULUS FROM 4,500 PSI TO ZERO.
	19:00 - 20:30	1.50	EQT	1	C-PRE	MIRU IPS PUMP TRUCK, TEST 4 1/2" CSG TO 10,000 PSI, HELD GOOD. BLEED TO ZERO. TEST 4 1/2" X 7" ANNULUS TO 3,000 PSI, HELD GOOD. BLEED TO ZERO. RDMO PUMP TRUCK.
3/31/2008	07:00 - 18:00	11.00	LOC	4	C-PRE	MIRU HES FRAC EQUIPMENT. SET ANCORS FOR CTU DO.

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  
**QUESTAR EXPLORATION & PRODUCTION COMPANY**

3. Address and Telephone No. **Contact: Mike Stahl**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **Phone: (303) 308-3613**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E**

5. Lease Designation and Serial No.  
**UTU-72634**

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

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

8. Well Name and No.  
**NBE 10CD-17-9-23**

9. API Well No.  
**43-047-39349**

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 checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Other	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Commingling</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

DATE SENT TO OPERATOR  
Date: 6-10-2008  
Initials: KS

(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)

**"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the NBE 10CD-17-9-23. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams.**

**Questar requests approval for the commingling of production between the Dakota and Wasatch formations. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 25%, Mancos - 25%, Mesa Verde - 20%, Wasatch - 30%.**

**A production log will be run within 30 days to determine contribution from each interval. At that time a Subsequent Report will be filed detailing the results of the production log.**

**On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.**

14. I hereby certify that the foregoing is true and correct  
Signed *Amanda Bills* Title Associate Regulatory Affairs Analyst Date 04/08/2008

(This space for Federal or State office use)  
Approved by: REQUEST DENIED Federal Approval Of This Action Is Necessary  
Title Utah Division of Oil, Gas and Mining Date \_\_\_\_\_

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.

6/15/08  
RECEIVED  
APR 11 2008  
\* Cause 171-13 (WST/AV)  
\* See attached Sheet  
DIV. OF OIL, GAS & MINING **CONFIDENTIAL**

***INTENTS TO COMMINGLE  
MULTIPLE POOLS IN ONE WELLBORE  
(R649-3-22)***

1. An affidavit of notice and a plat were not submitted as required by R649-3-22.
2. Future requests for commingling shall include all parts required by R649-3-22 and shall be submitted together as one request, not in separate parts.

**NOTICE OF LATE REPORTING  
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

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

---

As of the mailing of this notice, the division has not received the required reports for

Operator: QUESTAR EXPLORATION & PRODUCTION CO      Today's Date: 06/27/2008

Well: 43 OAT 39349      API Number:      Drilling Commenced:  
NBE 10CD-17-9-23  
9S 23E 17

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

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

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

cc: Well File  
Compliance File

**NOTICE OF LATE REPORTING  
DRILLING & COMPLETION INFORMATION**

**ATTACHMENT**

Operator: QUESTAR EXPLORATION & PRODUCTION CO

Today's Date: 06/27/2008

Well:	API Number:	Drilling Commenced:
TU 3-35-7-21	4304738995	11/06/2007
WV 11AD-14-8-21	4304738049	11/17/2007
NBE 8BD-26-9-23	4304739351	12/27/2007
NBE 10CD-17-9-23	4304739349	01/09/2008
CWU 16D-32-8-24	4304737278	01/10/2008
RWS 8D-5-9-24	4304737307	01/11/2008
RWS 14D-5-9-24	4304737310	01/11/2008
NBZ 11D-29-8-27	4304737240	01/13/2008
NBZ 5D-29-8-24	4304737241	01/13/2008
NBZ 4D-30-8-24	4304737229	01/14/2008
NBZ 12D-30-8-24	4304737233	01/14/2008
SCS 10C-16-15-19	4304739683	01/15/2008
WRU EIH 4AD-25-8-22	4304738636	01/21/2008
RW 04-25B	4304736982	02/05/2008
NBZ 15ML-29-8-24	4304737246	02/06/2008
RWS 16ML-5-9-24	4304737311	02/06/2008
NBZ 10ML-30-8-24	4304737232	02/07/2008
NBZ 14ML-30-8-24	4304737234	02/07/2008
FR 13P-20-14-20	4304739226	02/16/2008

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other

2. Name of Operator  
**QEP Uinta Basin, Inc.**

3. Address and Telephone No.  
**11002 E. 17500 S. Vernal, UT 84078, (435) 781-4331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347 FSL 2246 FEL, SECTION 17, T9S, R23E**

5. Lease Designation and Serial No.  
**UTU-72634**

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

7. If Unit or CA, Agreement Designation  
**Wonsits Valley**

8. Well Name and No.  
**NBE 10CD-17-9-23**

9. API Well No.  
**43047393490000**

10. Field and Pool, or Exploratory Area  
**Wonsits Valley**

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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>Wildcat tax credit application</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)

**Questar requests that the wildcat tax credit be applied to the NBE 10CD-17-9-23 well. This is the first well in the Mancos / Dakota pool within a one mile radius (see attached map). Offset wells include:**

Well Name	API	TD	Formation at TD
- NBE 4DD-17-9-23	43047393480000	14150	Dakota (Drilling)
- NBE 15M-17-9-23	43047354630000	9104	Mesaverde

**RECEIVED**  
**JUN 02 2008**

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

Signed: [Signature] Title: Sr Geologist Date: 29 May 08

(This space for Federal or State office use)

Approved by: [Signature] Title: Pet. Eng. Doorn Date: 3/2/09

Conditions of approval, if any: cc: tax Commission (emailed)

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 attached Statement of Basis  
\* See instruction on Reverse Side  
\* For Mancos, Frontier and Dakota formations only.

7 CWU 1230-07

EOG CWU 748-07

# R 23 E

QEP NBE

EOG CWU 717-7  
EOG CWU 747-07  
EOG CWU 1047-7

KERR-MCGEE  
E CHAPITA 803-8

EOG E CHAPITA 81-08

EOG E CHAPITA 22-09

EOG E CHAPITA 24-09

EOG CWU 1142-18

QEP NBE 4ML-17-9-23 TD 9325  
QEP NBE 3ML-17-9-23 TD 9245

QEP NBE 2ML-17-9-23 TD 9300

EOG E CHAPITA 57-16

EOG E CHAPITA 58-16

EOG CWU 1145-18

QEP NBE 4DD-17-9-23 TD 14150

QEP NBE 7BD-17-9-23 TD 9200

EOG E CHAPITA 18-17

EOG E CHAPITA 30-16

EOG E CHAPITA 47-16

## 18

EOG CWU 1039-18 TD 9320  
XG VU 1364-18

EOG CWU 1050-18

QEP NBE 11M-17-9-23 TD 9087

QEP NBE 10ML-17-9-23 TD 9178

EOG E CHAPITA 56-16

CONTINENTAL CWU 1 TD 9517

BELCO CWU 29 TD 6960

EOG CWU 1048-18  
EOG CWU 1049-18

QEP NBE 12ML-17-9-23 TD 9268

QEP NBE 11CD-17-9-23 TD 9087

QEP NBE 10CD-17-9-23 TD 14146 1/10/2008

EOG E CHAPITA 31-16

EOG E CHAPITA 16-17 TD 9040

EOG E CHAPITA 800-16 TD 8960

EOG CWU 1034-19

EOG CWU 1136-19  
CWU 58-19 TD 7545

EOG CWU 1103-20

EOG CWU 1104-20

EOG CWU 691-21 TD 7250

EOG CWU 1101-21

EOG CWU 1038-19 TD 9175

EOG CWU 1102-20

EOG CWU 892-20

## 21

19 BELCO CWU 28 TD 5782  
EOG CWU 548-19 TD 9100

## 20

EOG CWU 1232-20

EOG CWU 1233-20

EOG CWU 1127-21

EOG CWU 549-19F TD 7337  
EOG CWU 336-19

EOG CWU 1170-20

EOG CWU 893-20 TD 9100

EOG CWU 694-20 TD 7230

EOG CWU 1234-20

EOG CWU 1100-21 TD 9050

EOG CWU 1237-21 TD 8875

# 9S 23E

# 9S

Well Status	
	D&A
	GAS
	LOC
	OIL
	SI



1:24000



1050 17 <sup>th</sup> , Suite 500 Denver, Colorado 80265 303 672-6900	<b>QUESTAR</b> Exploration & Production
<h2>NBE 10CD-17-9-23</h2>	
Date: May 12, 2008	Geologist:
Landman:	Geophysicist:
Engineer:	File:...\Uinta\CJO_RAGTaxCr\NBE 10CD-17-9-23

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** QEP Uinta Basin, Inc.

**Location:** NWSE Sec. 17 T9S, R23E, Uintah County, Utah

**WELL NAME:** NBE 10CD-17-9-23 **API #:** 43-047-39349

**FINDINGS**

1. This well was completed on April 4, 2008 in the Wasatch, Mesa Verde, Mancos, Frontier and Dakota formations.
2. This well was > 1 mile from any known production in the Mancos, Frontier and Dakota formations at the time of the completion and the start of commercial production. The Dakota formation is the deepest producing formation in this well.
3. This well also produces out of the Wasatch and Mesa Verde formations.
4. This well is approximately 786' from the NBE 10ML-17-9-23 which produces commercial quantities from the Wasatch and Mesa Verde formations as of January 28, 2006. (Attachment A).

**CONCLUSIONS**

Based on the findings above the Division has determined the NBE 10CD-17-9-23 well was drilled into an unknown area for the Mancos, Frontier and Dakota formations. The Division also has determined the mentioned well was drilled and producing out of known areas for the Wasatch and Mesa Verde formations. The Division finds that this well would qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells for the **Mancos, Frontier and Dakota** formations. However due insufficient data provided by the operator the Division is unable to determine the amount of production attributed to the above qualifying formations for the wildcat tax credit. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet DKD

Date: 3/2/09

Joshua J. Payne

Date: 18 February 2009

CC: Utah State Tax Commission  
ATTN: Ken Petersen

## ATTACHMENT A

## 1 Mile Area of Review

API	WELL_NAME	Well Status	QTR	Sect	Town	Range	Cum Oil	Cum Gas	Field Type	Dx From Well (ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4304750271	CWU 1442-19	APD	SENE	19	090S	230E	0	0	D				4076	
4304750250	EC 101-16	NEW	NESW	16	090S	230E	0	0	D				4906	
4304750247	CWU 789-20	APD	NESW	20	090S	230E	0	0	D				4577	
4304750134	CWU 790-20	APD	NESE	20	090S	230E	0	0	D				5122	
4304750119	CWU 766-20	APD	SWNW	20	090S	230E	0	0	D				5004	
4304740469	E CHAPITA 97-16	NEW	SWNW	16	090S	230E	0	0	D				4226	
4304740468	E CHAPITA 100-16	NEW	SESW	16	090S	230E	0	0	D				3635	
4304740467	E CHAPITA 103-16	NEW	SESW	16	090S	230E	0	0	D				4871	
4304740466	E CHAPITA 99-16	NEW	NESW	16	090S	230E	0	0	D				3948	
4304740335	CWU 765-20	APD	NENW	20	090S	230E	0	0	D				2055	
4304740321	CWU 768-18	APD	SWSE	18	090S	230E	0	0	D				5216	
4304740319	CWU 772-18	APD	NENE	18	090S	230E	0	0	D				4997	
4304740291	CWU 1148-18	APD	SENE	18	090S	230E	0	0	D				4134	
4304739987	CWU 1135-19	PGW	SENE	19	090S	230E	0	0	D				4940	
4304739583	CWU 1050-18	PGW	NESE	18	090S	230E	0	0	D				3609	12/8/2008
4304739350	NBE 11CD-17-9-23	APD	NESW	17	090S	230E	0	0	D				1441	11/5/2008
4304739349	NBE 10CD-17-9-23	PGW	NWSE	17	090S	230E	3713	126389	D			3/10/2008	4/4/2008	Mesa Verde
4304739348	NBE 4DD-17-9-23	PGW	NWNW	17	090S	230E	2877	233198	D				3431	Mesa Verde
4304739347	NBE 7BD-17-9-23	APD	SWNE	17	090S	230E	0	0	D				2444	Mesa Verde
4304739203	E CHAPITA 56-16	PGW	SWNW	16	090S	230E	2612	73142	D				3398	Mesa Verde
4304739185	E CHAPITA 21-08	DRL	SESE	08	090S	230E	0	0	D				4979	
4304739151	E CHAPITA 57-16	PGW	NWNW	16	090S	230E	4063	77177	D				4243	
4304739057	E CHAPITA 50-16	PGW	SWSW	16	090S	230E	2171	116678	D				3014	
4304738988	E CHAPITA 31-16	PGW	NWSW	16	090S	230E	1455	30963	D				3111	
4304738671	CWU 692-20	PGW	SENE	20	090S	230E	120	62895	D				3553	
4304738065	CWU 1232-20	PGW	NESW	20	090S	230E	5293	138837	D			10/22/2007	12/29/2007	Wasatch
4304738064	CWU 1233-20	PGW	NWSE	20	090S	230E	0	0	D				4547	Wasatch
4304738000	E CHAPITA 30-16	PGW	SENE	16	090S	230E	610	34687	D				4711	Mesa Verde
4304737857	E CHAPITA 16-17	PGW	NESE	17	090S	230E	5460	82717	D			4/8/2007	4/16/2007	Price River
4304737856	E CHAPITA 17-17	PGW	SENE	17	090S	230E	5209	96761	D				2674	Mesa Verde
4304737855	E CHAPITA 18-17	PGW	NENE	17	090S	230E	4456	80548	D				3512	Mesa Verde
4304737497	CWU 1147-18	PGW	NENE	18	090S	230E	5334	129170	D			2/6/2007	2/15/2007	Wasatch-Mesa Verde
4304737456	CWU 1136-19	PGW	NENE	19	090S	230E	4587	152758	D				4464	Mesa Verde
4304737150	E CHAPITA 15-17	PGW	SESE	17	090S	230E	4465	101708	D				1678	Mesa Verde
4304737140	CWU 1102-20	PGW	SWNW	20	090S	230E	7050	326603	D				3838	Mesa Verde
4304737139	CWU 1103-20	PGW	NENW	20	090S	230E	4087	115555	D				2050	Mesa Verde
4304737138	CWU 1104-20	PGW	NWNE	20	090S	230E	2531	60622	D				2149	Mesa Verde
4304736941	NBE 5ML-17-9-23	PGW	SWNW	17	090S	230E	2521	309842	D				3622	Wasatch-Mesa Verde
4304736902	CWU 691-21	PGW	SWNW	21	090S	230E	4769	119760	D				4604	Mesa Verde
4304736901	CWU 693-20	PGW	SWNE	20	090S	230E	3399	114366	D				3419	Mesa Verde
4304736845	CWU 694-20	PGW	NESE	20	090S	230E	4379	105915	D				5099	Mesa Verde
4304736815	E CHAPITA 8-16	PGW	SESW	16	090S	230E	0	67	D				4418	Price River
4304736758	CWU 1049-18	PGW	SWSE	18	090S	230E	8426	242141	D				5202	Mesa Verde
4304736618	NBE 14ML-17-9-23	PGW	SESW	17	090S	230E	3933	150453	D				1429	Mesa Verde
4304736617	NBE 10ML-17-9-23	PGW	NWSE	17	090S	230E	6526	222051	D			12/29/2005	1/28/2006	Wasatch-Mesa Verde
4304736616	NBE 6ML-17-9-23	PGW	SENE	17	090S	230E	2269	136490	D				2320	Wasatch-Mesa Verde
4304736615	NBE 4ML-17-9-23	PGW	NWNW	17	090S	230E	8104	385987	D				4108	Wasatch-Mesa Verde
4304736614	NBE 2ML-17-9-23	PGW	NWNE	17	090S	230E	7671	508664	D				3447	Wasatch-Mesa Verde
4304735652	NBE 12ML-17-9-23	PGW	NWSW	17	090S	230E	6126	503531	D				1971	Wasatch-Mesa Verde
4304735466	NBE 11M-17-9-23	PGW	NESW	17	090S	230E	6238	256273	D				1137	Mesa Verde
4304735465	NBE 3ML-17-9-23	PGW	NENW	17	090S	230E	6359	297583	D				3667	Mesa Verde
4304735464	NBE 7ML-17-9-23	PGW	SWNE	17	090S	230E	9696	383045	D				2030	Wasatch-Mesa Verde
4304735463	NBE 15M-17-9-23	PGW	SWSE	17	090S	230E	5358	450147	D				522	Wasatch-Mesa Verde
4304735334	NBE 13ML-17-9-23	PGW	SWSW	17	090S	230E	4072	643528	D				2428	Wasatch-Mesa Verde
4304734076	E CHAPITA 923-08M	OPS	SWSW	08	090S	230E	0	0	D				5236	Mesa Verde
4304734073	E CHAPITA 800-16	PGW	NESW	16	090S	230E	2722	354048	D				3958	Mesa Verde
4304731159	CWU 60-18	LA	NENE	18	090S	230E	0	0	D				4885	
4304730827	CWU 58-19	PGW	NENE	19	090S	230E	31	350689	D				4389	Wasatch
4304710095	CWU 1	PA	SENE	16	090S	230E	0	0	D				4844	12/15/1952

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

**SUBMIT IN DUPLICATE**

(See other instructions on reverse side).

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

**CONFIDENTIAL**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

<p><b>1a. TYPE OF WELL</b></p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____</p> <p><b>b. TYPE OF COMPLETION</b></p> <p>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other _____</p>	<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>UTU-72634</b></p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> N/A</p> <p><b>7. UNIT AGREEMENT NAME</b> N/A</p> <p><b>8. FARM OR LEASE NAME</b></p>
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<p><b>2. NAME OF OPERATOR</b> <b>QUESTAR EXPLORATION &amp; PRODUCTION CO.</b></p>	<p><b>9. WELL NO.</b> <b>NBE 10CD 17 9 23</b></p>
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<p><b>3. ADDRESS OF OPERATOR.</b> <b>DAH N CALDWELL</b> <b>11002 E. 17500 S. VERNAL, UT 84078-8526</b> <b>435-781-4342</b></p> <p><b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*</b></p> <p>At surface <b>1347' FSL, 2246' FEL, NWSE, SEC 17-T9S-R23E</b></p> <p>At top rod. interval reported below <b>1347' FSL, 2246' FEL, NWSE, SEC 17-T9S-R23E</b></p> <p>At total depth <b>1347' FSL, 2246' FEL, NWSE, SEC 17-T9S-R23E</b></p>	<p><b>10. FIELD AND POOL, OR WILDCAT</b> <b>NATURAL BUTTES</b></p> <p><b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b> <b>SEC 17-T9S-R23E</b></p>
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<b>14. PERMIT NO.</b> <b>43-047-39349</b>	<b>DATE ISSUED</b>	<b>12. COUNTY OR PARISH</b> <b>UINTAH</b>	<b>13. STATE</b> <b>UTAH</b>
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<b>15. DATE SPUDDED</b> <b>1/9/08</b>	<b>16. DATE T.D. REACHED</b> <b>3/10/08</b>	<b>17. DATE COMPL. (Ready to prod.)</b> <b>4/4/08</b>	<b>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*</b> <b>KB</b>	<b>19. ELEV. CASINGHEAD</b>
--	--	--	---	-----------------------------

<b>20. TOTAL DEPTH, MD &amp; TVD</b> <b>14,176'</b>	<b>21. PLUG BACK T.D., MD &amp; TVD</b> <b>14,135' (as of 4/4/08)</b>	<b>22. IF MULTIPLE COMPL., HOW MANY*</b>	<b>23. INTERVALS DRILLED BY</b> →	<b>ROTARY TOOLS</b> <b>X</b>	<b>CABLE TOOLS</b>
--	--	--	--------------------------------------	---------------------------------	--------------------

<b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*</b> <b>SEE ATTACHMENT ONE</b>	<b>25. WAS DIRECTIONAL SURVEY MADE</b> <b>NO</b>
---	---

<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> <b>ARRAY COMP TRUE RESISTIVITY, HRI &amp; CBL/GR/CCL, SD, DSN</b>	<b>27. WAS WELL CORED</b> <b>NO</b>
--	--

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	2036'	12-1/4"	610 SXS	
7"	26#	9607'	8-3/4"	2490 SXS	
4-1/2"	15.1#	14136'	7-7/8"	810 SXS	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A	N/A				N/A	N/A	

<b>31. PERFORATION RECORD (Interval, size and number)</b> <b>SEE ATTACHMENT ONE</b> <b>wmmfd</b> <b>5560-13978</b>	<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b>
	<b>DEPTH INTERVAL (MD)</b> <b>SEE ATTACHMENT ONE</b>
	<b>AMOUNT AND KIND OF MATERIAL USED</b> <b>SEE ATTACHMENT ONE</b>

<b>33.* PRODUCTION</b>		
<b>DATE FIRST PRODUCTION</b> <b>4/4/08</b>	<b>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</b> <b>FLOWING</b>	<b>WELL STATUS (Producing or shut-in)</b> <b>PRODUCING</b>

<b>DATE OF TEST</b> <b>4/6/08</b>	<b>HOURS TESTED</b> <b>24</b>	<b>CHOKE SIZE</b> <b>22</b>	<b>PROD'N FOR TEST PERIOD</b> →	<b>OIL—BBL.</b> <b>60</b>	<b>GAS—MCF.</b> <b>2640</b>	<b>WATER—BBL.</b> <b>1887</b>	<b>GAS-OIL RATIO</b>
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<b>FLOW. TUBING PRESS.</b> <b>N/A</b>	<b>CASING PRESSURE</b> <b>3300</b>	<b>CALCULATED 24-HOUR RATE</b> →	<b>OIL—BBL.</b>	<b>GAS—MCF</b>	<b>WATER—BBL</b>	<b>OIL GRAVITY-API (CORR.)</b>
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<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> <b>SOLD</b>	<b>TEST WITNESS</b>
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<b>35. LIST OF ATTACHMENTS</b> <b>PERFORATION DETAIL ATTACHMENT ONE</b>	<b>RECEIVED</b> <b>JUL 08 2008</b>
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<b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</b>	<b>DATE OF OIL, GAS &amp; MINING</b>
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SIGNED **JIM SIMONTON** *Jim Simonton* **COMPLETION SUPERVISOR**

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

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

38. GEOLOGIC MARKERS  
NBE 10CD 17 9 23

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
WASATCH	4639'			WASATCH	4639'		
MESA VERDE	6596'			MESA VERDE	6596'		
CASTLE GATE	9103'			CASTLE GATE	9103'		
MANCOS	9526'			MANCOS	9526'		
MANCOS 'B'	10415'			MANCOS 'B'	10415'		
FRONTIER	12715'			FRONTIER	12715'		
DAKOTA SILT	13544'			DAKOTA SILT	13544'		
DAKOTA	13731'			DAKOTA	13731'		
MORRISON	14147'			MORRISON	14147'		
TD	14176'			TD	14176'		

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**NBE 10CD 17 9 23 – ATTACHMENT ONE  
PERFORATION DETAIL:**

<u>Open Perfs</u>	<u>Stimulation</u>					<u>Perf Status</u>
5568' – 5572'	} Frac w/	73,500	Lbs in	42,840	Gals	Open - Wasatch
6150' – 6156'						Open - Wasatch
6612' – 6618'						Open - Mesa Verde
7546' – 7548'	} Frac w/	59,894	Lbs in	111,468	Gals	Open - LMV
7864' – 7866'						Open - LMV
7876' – 7878'						Open - LMV
7901' – 7903'						Open - LMV
7914' – 7916'						Open - LMV
7980' – 7982'						Open - LMV
7991' – 7993'						Open - LMV
8059' – 8061'						Open - LMV
8256' – 8260'	} Frac w/	60,308	Lbs in	113,946	Gals	Open - LMV
8384' – 8386'						Open - LMV
8532' – 8534'						Open - LMV
8580' – 8582'						Open - LMV
8600' – 8602'						Open - LMV
8620' – 8622'						Open - LMV
8744' – 8746'						Open - LMV
9700' – 9704'	} Frac w/	45,377	Lbs in	91,056	Gals	Open- Blackhawk
9839' – 9841'						Open- Blackhawk
10024' – 10028'						Open- Blackhawk
10125' – 10129'						Open - Mancos 'B'
10136 – 10138'						Open - Mancos
10306' – 10308'	} Frac w/	44,808	Lbs in	102,606	Gals	Open- Blackhawk
10352' – 10354'						Open- Blackhawk
10364' – 10366'						Open- Blackhawk
10474' – 10476'						Open - Mancos 'B'
10707' – 10709'						Open - Mancos
10788' – 10790'						Open - Mancos
10848' – 10850'						Open - Mancos
10876' – 10878'						Open - Mancos
10980' – 10982'	} Frac w/	40,328	Lbs in	99,834	Gals	Open - Mancos
11026' – 11028'						Open - Mancos
11178' – 11180'						Open - Mancos
11242' – 11244'						Open - Mancos
11274' – 11276'						Open - Mancos
11311' – 11313'						Open - Mancos
11350' – 11352'						Open - Mancos
11560' – 11562'						Open - Mancos

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11756' – 11758'	}	Frac w/	27,154	Lbs in	103,908	Gals	Open - Mancos
11792' – 11794'							Open - Mancos
11882' – 11884'							Open - Mancos
11910' – 11912'							Open - Mancos
12032' – 12034'							Open - Mancos
12150' – 12152'							Open - Mancos
12254' – 12256'							Open - Mancos
12424' – 12426'	Open - Mancos						
12624' – 12626'	}	Frac w/	39,910	Lbs in	98,490	Gals	Open - Mancos
12744' – 12746'							Open - Frontier
12772' – 12774'							Open - Frontier
12854' – 12856'							Open - Frontier
12930' – 12932'							Open - Frontier
12985' – 12987'							Open - Frontier
13008' – 13010'							Open - Frontier
13038' – 13040'	Open - Frontier						
13252' – 13254'	}	Frac w/	29,316	Lbs in	81,648	Gals	Open - Frontier
13344' – 13346'							Open - Frontier
13360' – 13362'							Open - Frontier
13490' – 13492'							Open - Frontier
13548' – 13550'							Open - Dakota Silt
13560' – 13562'							Open - Dakota Silt
13648' – 13650'							Open - Dakota Silt
13654' – 13656'	Open - Dakota Silt						
13732' – 13736'	}	Frac w/	57,260	Lbs in	49,224	Gals	Open - Dakota
13866' – 13870'							Open - Dakota
13906' – 13910'							Open - Dakota
13974' – 13978'							Open - Dakota

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Operations Summary Report

Completion

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations	
3/26/2008	08:00 - 14:30	6.50	LOG	2	MIRU LONE WOLF ELU. MU AND RIH WITH CCL/GR/CBL/VDL LOGGING TOOLS. TAG PBDT AT 14,127'. PULL 300' STRIP TO CORRELATE TO HES OH LOG DATED 3/9/08. LOG FROM PBDT TO 5,000' WITH 4,000 PSI. EST. TOC AT 6,500'. BHT 278'.	
3/30/2008	15:00 - 16:00	1.00	PTST	2	RU IPS CHOKE BODY AND FLOWLINE TO PIT. BLEED DOWN ANNULUS FROM 4,500 PSI TO ZERO.	
	19:00 - 20:30	1.50	EQT	1	MIRU IPS PUMP TRUCK, TEST 4 1/2" CSG TO 10,000 PSI, HELD GOOD. BLEED TO ZERO. TEST 4 1/2" X 7" ANNULUS TO 3,000 PSI, HELD GOOD. BLEED TO ZERO. RDMO PUMP TRUCK.	
3/31/2008	07:00 - 18:00	11.00	LOC	4	MIRU HES FRAC EQUIPMENT. SET ANCORS FOR CTU DO.	
4/1/2008	06:00 - 10:00	4.00	PERF	2	MIRU OWP ELU. PERF STG #1 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SHOOT 48 HOLES FROM 13,732' TO 13,978'.	
	10:00 - 11:30	1.50	STIM	3	RU HES AND FRAC STAGE #1 WITH 800 GAL. 15% HCL AT 10 BPM, 1,172 BBLS 35# HYBOR-G CARRYING 57,260 LBS# 30/60 & 20/40 SINTERLITE SAND. CUT SAND EARLY DUE TO NET PRESSURE INCREASE. AVG RATE= 46.1 BPM. AVG PSI= 8,347.	
	11:30 - 13:30	2.00	PERF	2	PERF STG #2 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 13,700 WITH 5,600 PSI. SHOOT 48 HOLES FROM 13,252' TO 13,656'.	
	13:30 - 14:30	1.00	STIM	3	FRAC STAGE #2 WITH 800 GAL. 15% HCL AT 10 BPM, 1,944 BBLS SLICKWATER CARRYING 29,316 LBS# 20/40 & 30/60 SINTERLITE SAND. AVG RATE= 40.4 BPM. AVG PSI= 8,828.	
	14:30 - 16:30	2.00	PERF	2	PERF STG #3 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 13,070' WITH 6,200 PSI. SHOOT 48 HOLES FROM 12,624' TO 13,040'.	
	16:30 - 17:30	1.00	STIM	3	FRAC STAGE #3 WITH 800 GAL. 15% HCL AT 10 BPM, 2,345 BBLS SLICKWATER CARRYING .39,910 LBS# 30/60 SINTERLITE SAND. AVG RATE= 43.9 BPM. AVG PSI= 8,864.	
	17:30 - 19:30	2.00	PERF	2	PERF STG #4 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 12,460 WITH 6,200 PSI. SHOOT 48 HOLES FROM 11,756' TO 12,426'.	
	4/2/2008	06:00 - 08:30	2.50	STIM	3	FRAC STAGE #4 WITH 800 GAL. 15% HCL AT 10 BPM, 2,474 BBLS SLICKWATER CARRYING 27,154 LBS# 30/60 SINTERLITE SAND. AVG RATE= 33.7 BPM. AVG PSI= 8,738. HAD BLENDER PROBLEMS. SHUT DOWN, SURGED WELL AND RE-PUMPED.
		08:30 - 10:30	2.00	PERF	2	PERF STG #5 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 11,600' WITH 5,800 PSI. SHOOT 48 HOLES FROM 10,980' TO 11,562'.
		10:30 - 11:30	1.00	STIM	3	FRAC STAGE #5 WITH 800 GAL. 15% HCL AT 10 BPM, 2,377 BBLS SLICKWATER CARRYING 40,328 LBS# 30/60 SINTERLITE SAND. AVG RATE= 45.2 BPM. AVG PSI= 7,766.
		11:30 - 13:15	1.75	PERF	2	PERF STG #6 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 10,914' WITH 5,300 PSI. SHOOT 48 HOLES FROM 10,306' TO 10,878'.
		13:15 - 14:30	1.25	STIM	3	FRAC STAGE #6 WITH 800 GAL. 15% HCL AT 10 BPM, 2,443 BBLS SLICKWATER CARRYING 44,808 LBS# 30/60 SINTERLITE SAND. AVG RATE= 44.4 BPM. AVG PSI= 5,926.
		14:30 - 16:00	1.50	PERF	2	PERF STG #7 WITH 8- 2' GUN LOADED 3 SPF, 120° PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 10,166' WITH 3,600 PSI. SHOOT 48 HOLES FROM 9,700' TO 10,138'.
		16:00 - 16:45	0.75	STIM	3	FRAC STAGE #7 WITH 800 GAL. 15% HCL AT 10 BPM, 2,168 BBLS SLICKWATER CARRYING 45,377 LBS# 30/60 SINTERLITE SAND. AVG RATE= 44.4 BPM. AVG PSI= 5,626.

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/2/2008	16:45 - 18:30	1.75	PERF	2	PERF STG #8 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 8,782' WITH 3,800 PSI. SHOOT 48 HOLES FROM 8,256' TO 8,746'.
4/3/2008	06:00 - 07:15	1.25	STIM	3	FRAC STAGE #8 WITH 800 GAL. 15% HCL AT 10 BPM, 2,713 BBLS SLICKWATER CARRYING 60,308 LBS# 30/60 SINTERLITE SAND. AVG RATE= 46.8 BPM. AVG PSI= 4,753.
	07:15 - 08:45	1.50	PERF	2	PERF STG #9 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 8,100' WITH 2,700 PSI. SHOOT 48 HOLES FROM 7,546' TO 8,061'.
	08:45 - 09:45	1.00	STIM	3	FRAC STAGE #9 WITH 800 GAL. 15% HCL AT 10 BPM, 2,654 BBLS SLICKWATER CARRYING 59,894 LBS# 30/60 SINTERLITE SAND. AVG RATE= 45.2 BPM. AVG PSI= 4,465.
	09:45 - 11:30	1.75	PERF	2	PERF STG #10 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 6,660' WITH 2,200 PSI. SHOOT 48 HOLES FROM 5,568' TO 6,618'.
	11:30 - 12:00	0.50	STIM	3	FRAC STAGE #10 WITH 800 GAL. 15% HCL AT 10 BPM, 1,020 BBLS DELTA FLUID CARRYING 73,500 LBS# 20/40 CRC SAND. AVG RATE= 47.8 BPM. AVG PSI= 4,803.
	12:00 - 14:00 14:00 - 17:00	2.00 3.00	LOC LOC	4 4	RDMO OWP ELU AND HES FRAC EQUIPMENT. MIRU IPS CTU AND GCDOE. NU SCHOONER FLOW CROSS AND SPOT SPIRIT FLUIDS TANK.
4/4/2008	06:00 - 20:00	14.00	STIM	3	LOAD CT WITH 120* WATER. MU EXPRESS 2 7/8" MOTOR/JARS WITH 3.625" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH DRILL OUT 9 PLUGS IN 6 HOURS. TAG PBTD AT 14,135'. PUMP FINAL 10 BBLS SWEEP AND POOH.
	20:00 - 06:00	10.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/5/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/6/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/7/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/8/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/9/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE.
4/10/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS FBE. RD IPS FBE.

**Operations Summary Report**

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/10/2008	-		DRL	1	DRLG & SET 40' OF 14" CONDUCTOR & 85 MOUSEHOLE. BLM -STAE NOTIFIED OF SPUD ON 1/10/2008, DRLG & SET 2070 FT OF 9 5/8, 36#, J-55 SURFACE CASING, AT 500 FT COMMUNICATION WITH MOUSEHOLE-ADDED PIECE ON COND & DVOVE DOWN 20"-CEMENTED-COND ANN WITH 75 SX CEMENT
1/17/2008	06:00 - 06:00	24.00	LOC	4	RIG DOWN FLOOR, TOP DRIVE, MOVE CATWALK, R/D MUD TANKS, FLOW LINE, BACK LOAD 5 TRUCKS W/KNIGHT PIPE
1/18/2008	06:00 - 06:00	24.00	LOC	4	L/D TOP DRIVE, BRIDLE UP, LOWER DERRICK, UNSTRING BLOCKS, R/D FLARE LINES, PULL CABLES IN BACK YARD, LOAD OUT 2 TRUCKS W/KNIGHT PIPE, LOAD OUT 3 HOUSES
1/19/2008	06:00 - 18:00	12.00	LOC	4	UNPLUG ALL CABLES, START SETTING OUT BACK YARD, REMOVE DOG HOUSE, 1 BED TRUCK, 1 GEN TRUCK & CRANE, 60% RIGGED DOWN
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/20/2008	06:00 - 18:00	12.00	LOC	4	SET OUT BACK YARD, MUD TANKS, DWKS, SOLID CONTROL EQUIPMENT, MOVED OUT 12 LOADS
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/21/2008	06:00 - 18:00	12.00	LOC	4	R/D DERRICK, LOAD OUT 13 TRUCKS
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/22/2008	06:00 - 18:00	12.00	LOC	4	RIG DOWN SUBBASE, MOVE CAMP, LOAD OUT 12 TRUCKS, TOTAL LOADS 36, 18 MORE LOADS
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/23/2008	06:00 - 18:00	12.00	LOC	4	MOVE RIG, SET CAMP, SET MATTING BOARDS, LOAD OUT 13 TRUCKS
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/24/2008	06:00 - 18:00	12.00	LOC	4	MOVE RIG, SET SUB BASES, SPREADER BEAMS, STACK UP BOPS
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/25/2008	06:00 - 18:00	12.00	LOC	4	SET ROTARY TABLE SKID, MUD TANKS, PUMPS, PUT TOGETHER DERRICK
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/26/2008	06:00 - 18:00	12.00	LOC	4	80% RIGGED UP, SET MOTORS, BAR HOPPERS, PRE-MIX TANK, FUEL TANK, VFD HOUSE, DOG HOUSES, PUT A-LEGS ON DERRICK, SET DERRICK ON FLOOR
					SAFETY MEETING WITH RIG CREWS & TRUCK DRIVERS ABOUT THE HAZZERDS OF RIGGING UP WITH LIVE FLOWLINES BESIDE ROADS
					TRUCK SPUN OUT & SLID DOWN HILL INTO DITCH. WHILE ROCKING TRUCK TO GET UNSTUCK KNOCKED VALVE OFF NIPLE ON GAS LINE
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/27/2008	06:00 - 18:00	12.00	LOC	4	90% RIGGED UP, RAISE A-LEGS, SET DRILLERS HOUSE, GENERAL RIG UP, WILL STRING UP TONITE, RAISE DERRICK IN MORNING
					RELEASED CRANE & ALL TRUCKS EXCEPT ONE BED TRUCK
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/28/2008	06:00 - 18:00	12.00	LOC	4	95% RIGGED UP, STRING UP BLOCKS, GENERAL RIG UP, RAISE DERRICK @ 1500, UNBRIDLE & RIG UP FLOOR TO PICK UP TOP DRIVE, SET CAT WALK
	18:00 - 06:00	12.00	LOC	4	W/O/DAYLIGHT
1/29/2008	06:00 - 06:00	24.00	LOC	4	GENERAL RIG UP, RIG UP TOP DRIVE, FLOOR, INSTALL CHOKE & KILL LINE
					VALVES ON MUD CROSS, R/U FLOWLINE-CUT & REWELD, RIG UP CHOKE & FLAIR LINES, R/U FLOOR WIND WALLS
1/30/2008	06:00 - 18:00	12.00	LOC	4	RIG UP PASON LINES, ELECTRICAL LINES, HYD LINES TO BOP'S
	18:00 - 20:00	2.00	OTH		TROUBLE SHOOT ON TOP DRIVE, CHANGE PUMP LINERS, MIX MUD
	20:00 - 06:00	10.00	BOP	1	N/U BOP, CHANGE BPTOTTOM RAMS TO 4 1/2", HYD LINES CROSSED-TRACE
					OUT LINES-WORK ON BAD THREADS ON DOOR BOLT
1/31/2008	06:00 - 06:00	24.00	RIG	2	ATTEMPT TO TIGHTEN, THEN REMOVE BONNET BOLT ON LOWER PIPE RAM
					DOOR WITH NO SUCCESS
2/1/2008	06:00 - 15:00	9.00	RIG	2	CUT OUT BONNET BOLT ON LOWER PIPE RAM DOOR, CLEAN OUT HOLE
	15:00 - 18:00	3.00	OTH		LOAD RACKS, REMOVE PROTECTORS, STRAP DRILL PIPE

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### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations	
2/1/2008	18:00 - 20:30	2.50	RIG	2	TAP BONNET BOLT HOLE & THREAD IN NEW BOLT	
	20:30 - 23:30	3.00	TRP	2	P/U DP TO MAKE STANDS	
	23:30 - 06:00	6.50	BOP	2	S/M,R/U TESTER,TEST UPPER & LOWER SAFETY VALVES,ALL FLOOR SAFETY VALVES,LOWER PIPE & BLIND RAMS,CHOKE & KILL LINE VALVES TO 250 PSI LOW,5000 PSI HIGH FOR 5 MIN EACH TEST,TEST ANN TO 250 PSI LOW,2500 PSI HIGH, BLM WITNESSING TESTS	
2/2/2008	06:00 - 14:30	8.50	BOP	2	UPPER PIPE RAMS & BLINDS RAMS FAILED,PUT STEAM LINE IN BOP HEAT & FUNCTION,RETEST UPPER PIPE RAMS & BLIND RAMS, CHOKE MANIFOLD VALVES TO 250 PSI LOW & 5000 PSI HIGH,KOOMEY TEST OK,TEST CASING TO 1500 PSI F/30 MIN,ONE HYD CHOKE DRIPPING OUT WEEP HOLE FOR STEM PACKING,STILL HAVE ONE HYD & MANUEL CHOKE-BLM PASSED FOR 5000 PSI TEST TO BE REPAIRED FOR NEXT TEST,BLM WITNESSED TESTING	
	14:30 - 15:30	1.00	RIG	2	REPAIR TOP DRIVE BRAKE	
	15:30 - 16:00	0.50	OTH	2	PRE-SPUD SAFETY INSPECTION,INSULATE CHOKE LINE	
	16:00 - 18:30	2.50	TRP	2	INSTALL WEAR BUSHING & BEARING PACK	
	18:30 - 19:30	1.00	TRP	2	STRAP & CALIPER BHA	
	19:30 - 20:30	1.00	TRP	1	TIH PICK UP BHA	
	20:30 - 21:30	1.00	OTH	2	CENTER TOP DRIVE,ADJUST LINK TILT CLAMPS	
	21:30 - 01:00	3.50	TRP	1	TIH PICKING UP BHA,SURFACE TEST MOTOR	
	01:00 - 02:00	1.00	OTH	2	SLIP BACK 127 FT DRILLING LINE -TOO MUCH ON DRUM TO SET CROWN & FLOOR STOPS	
	02:00 - 05:00	3.00	TRP	1	TIH PICKING UP BHA TO 1822,BREAK CIR AFTER BHA	
	05:00 - 06:00	1.00	TRP	2	INSTALL ROTATING HEAD	
	06:00 - 07:00	1.00	OTH	2	INSTALL CORROSION RING	
	07:00 - 09:00	2.00	DRL	4	DRLG CEMENT & FLOAT EQUIPMENT F/1981 TO 2034.CLEAN OUT POCKET TO 2070,FC @1994-SHOE @ 2034	
	2/3/2008	09:00 - 09:30	0.50	DRL	1	DRLG F/2070 TO 2080
09:30 - 10:00		0.50	CIRC	1	CIR FOR FIT TEST	
10:00 - 11:00		1.00	OTH	2	CHANGE FUEL FILTERS,RESTART RIG & EQUIPMENT	
11:00 - 12:00		1.00	EQT	2	FIT @ 2080 WITH 8.7 AMW & 195 PSI = 10.5 EMW-BLEED OFF 12 PSI IN 15 MIN,CHECK RIG FOR LEAKS	
12:00 - 15:30		3.50	DRL	1	DRLG F/2080 TO 2208 (128 FT @ 36.5 FPH) WOB 6-10,RPM 50-60, GPM 474	
15:30 - 16:00		0.50	CIRC	1	CIR F/SURVEY	
16:00 - 17:00		1.00	SUR	1	SURVEY @ 2128, INC 0.7*, AZ 21.076	
17:00 - 20:30		3.50	DRL	1	DRLG F/2208 TO 2304 (96 FT @ 27.4 FPH) WOB 6-10,RPM 60,GPM 474	
20:30 - 22:00		1.50	RIG	2	RIG REPAIR TOP DRIVE BLOWER & LUBE PUMP FAILED	
22:00 - 06:00		8.00	DRL	1	DRLG F/2304 TO 2530 (226 FT @ 28.2 FPH) WOB 7-9,RPM 60,GPM 474	
2/4/2008		06:00 - 09:00	3.00	DRL	1	DRLG F/2530 TO 2684 (154 FT @ 51.3 FPH) WOB 4/9,RPM 60,GPM 474,TORQ 4000-8000
		09:00 - 09:30	0.50	CIRC	1	CIR FOR SURVEY
		09:30 - 10:00	0.50	SUR	1	SURVEY @ 2605,INC 2.7*,AZ 199.06,TVD2604.71
		10:00 - 11:30	1.50	DRL	1	DRLG F/2685 TO 2781 (96 FT @ 64 FPH) WOB 3-6,RPM 55,GPM 474,TORQ 4000-8000
	11:30 - 12:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE	
	12:00 - 21:30	9.50	DRL	1	DRLG F/2781 TO 3162 (381 FT @ 40.1 FPH) WOB 3-6,RPM 60-65,GPM 474,TORQ 5000-8000	
	21:30 - 22:00	0.50	CIRC	1	CIR FOR SURVEY	
	22:00 - 23:00	1.00	SUR	1	SURVEY @ 3082,INC 3.4*,AZ 179.86,TVD 3081.05	
	23:00 - 06:00	7.00	DRL	1	DRLG F/3162 TO 3448 (286 FT @ 40.8 FPH) WOB 6-10,RPM 60-65,GPM 474,TORQ 6000-9000	
	2/5/2008	06:00 - 10:30	4.50	DRL	1	DRLG F/3448 TO 3639 (191 FT @ 42.4 FPH) WOB 6-10,RPM 60-65,GPM 473,TORQ 6000-8000
		10:30 - 11:00	0.50	CIRC	1	CIR FOR SURVEY

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/5/2008	11:00 - 11:30	0.50	SUR	1	SURVEY @ 3560,INC 2.3°,AZ 153.66,TVD 3558.747
	11:30 - 14:30	3.00	DRL	1	DRLG F/3639 TO 3735 (96 FT @ 32 FPH) WOB 9-12,RPM 55-60,GPM 473,TORQ 4000-8000
	14:30 - 15:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	15:00 - 21:00	6.00	DRL	1	DRLG F/3735 TO 4212 (477 FT @ 79.5 FPH) WOB 8-45,RPM 55-60, GPM 473,TORQ 4000-6000
	21:00 - 21:30	0.50	CIRC	1	CIR FOR SURVEY
	21:30 - 22:00	0.50	SUR	1	SURVEY @ 4132,INC 2.8°,AZ 159.96,TVD 4129.9
	22:00 - 06:00	8.00	DRL	1	DRLG F/4212 TO 4530 (318 FT @ 39.7) WOB 10,RPM 55-65,GPM 473,TORQ 4000-6000
2/6/2008	06:00 - 11:00	5.00	DRL	1	DRLG F/4530 TO 4689 (159 FT @ 31.8 FPH) WOB 8-15,RPM 55-65,GPM 473,TORQ 4000-7000
	11:00 - 11:30	0.50	CIRC	1	CIR FOR SURVEY
	11:30 - 12:00	0.50	SUR	1	SURVEY @ 4609,INC 2°,AZ 164.86,TVD 4606.39
	12:00 - 13:30	1.50	DRL	1	DRLG F/4689 TO 4784 (95 FT @ 63.3 FPH) WOB 10-15,RPM 50-60,GPM 473,TORQ 4000-7000
	13:30 - 14:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	14:00 - 22:00	8.00	DRL	1	DRLG F/4784 TO 5164 (380 FT @ 47.5 FPH) WOB 12-18,RPM 55-65,GPM 473,TORQ 4000-7500
	22:00 - 22:30	0.50	CIRC	1	CIR FOR SURVEY
2/7/2008	22:30 - 23:00	0.50	SUR	1	SURVEY @ 5084,INC 1.6°,AZ 181.06,TVD 5081.09
	23:00 - 06:00	7.00	DRL	1	DRLG F/5164 TO 5400 (870 FT @ 33.7 FPH) WOB 10-18,RPM 55-65,GPM 473,TORQ 4000-8000
	06:00 - 11:00	5.00	DRL	1	DRLG F/5400 TO 5640 (240 FT @ 48 FPH) WOB 12-18,RPM 55-65,GPM 473,TORQ 4000-8000
	11:00 - 11:30	0.50	CIRC	1	CIR FOR SURVEY
	11:30 - 12:00	0.50	SUR	1	SURVEY @ 5560, INC 0.8°,AZ 160.56,TVD 5556.98
	12:00 - 14:30	2.50	DRL	1	DRLG F/5640 TO 5735 (95 FT @ 38 FPH) WOB 12-18,RPM 55-65,GPM 473,TORQ 4000-5500
	14:30 - 15:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
2/8/2008	15:00 - 20:00	5.00	DRL	1	DRLG F/5735 TO 5922 (187 FT @ 37.4 FPH) WOB 14-20,RPM 60-75,GPM 473,TORQ 4000-8000
	20:00 - 21:30	1.50	CIRC	1	CIR SWEEP
	21:30 - 22:30	1.00	SUR	1	DROP SURVEY,FLOW CHECK,SLIGHT FLOW
	22:30 - 23:00	0.50	CIRC	1	MIX & SPOT 70 BBL 10.4 PPG PILL
	23:00 - 06:00	7.00	TRP	10	TOH FOR BIT,BLOW DOWN MUD LINE & TOP DRIVE
	06:00 - 07:00	1.00	TRP	10	TOH FOR BIT #1
	07:00 - 08:00	1.00	TRP	1	CHANGE MOTOR & BIT
	08:00 - 12:00	4.00	TRP	10	TIH WITH BIT #2 TO 4800 FT
	12:00 - 13:00	1.00	CIRC	1	FILL PIPE & CIR BTM'S UP
	13:00 - 14:00	1.00	TRP	10	TIH TO 5830
2/9/2008	14:00 - 14:30	0.50	REAM	1	WASH F/5830 TO 5922, NO FILL
	14:30 - 15:30	1.00	DRL	1	DRLG F/5922 TO 6020 (98 FT @ 98 FPH) WOB 6-12,RPM 60,GPM 473,TORQ 4000-7500
	15:30 - 16:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	16:00 - 06:00	14.00	DRL	1	DRLG F/6020 TO 6585 (565 FT @ 40.3 FPH) WOB 15-18,RPM 55-65,GPM 473,TORQ 6000-8500
	06:00 - 14:00	8.00	DRL	1	DRLG F/6585 TO 6879 (294 FT 36.75 FPH) WOB 12-18, RPM 55-65, GPM 473, TORQUE 7000-9500
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE
	14:30 - 16:30	2.00	DRL	1	DRLG F/6879 TO 6974 (95 FT 47.5 FPH)
2/9/2008	16:30 - 17:30	1.00	CIRC	1	CIR F/SURVEY
	17:30 - 18:00	0.50	SUR	1	SURVEY @6894 1.8 DEG AZ 144.26 TVD 6890.4

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17-9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/9/2008	18:00 - 19:00	1.00	RIG	2	UPPER IBOP VALVE NOT OPENING
	19:00 - 06:00	11.00	DRL	1	DRLG F/6974 TO 7324 (350 FT 31.81 FPH)
2/10/2008	06:00 - 14:00	8.00	DRL	1	DRLG F/7324 TO 7546 (222 FT 27.75 FPH) WOB 14-18, RPM 55-65, TORQUE 7200-9400, GPM 430 TO 473
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE
2/11/2008	14:30 - 02:00	11.50	DRL	1	DRLG F/7546 TO 7928 (382 FT 33.21 FPH)
	02:00 - 03:00	1.00	CIRC	1	CIR F/SURVEY
	03:00 - 03:30	0.50	SUR	1	SURVEY@7848 2.5 DEG AZ 147.46 TVD 7843.71
	03:30 - 06:00	2.50	DRL	1	DRLG F/7928 TO 7971
	06:00 - 12:00	6.00	DRL	1	DRLG F/7971 TO 8093 (122 FT 20.33 FPH) WOB 16-20, RPM 40-143 DH, GPM 430, TORQUE 6000-9500
	12:00 - 13:30	1.50	CIRC	1	CIR F/BIT TRIP
	13:30 - 14:30	1.00	WCL	3	FLOW CHECK-VERY SLIGHT FLOW .25 BBL HR & SPOT 80 BBL PILL ON BTM-NO FLOW
	14:30 - 21:00	6.50	TRP	10	TOH W/BIT #2, FLOW CHECK @6900, 4500 & 2000 FT
	21:00 - 22:00	1.00	TRP	1	CHANGE OUT MOTORS
	22:00 - 05:00	7.00	TRP	2	TIH W/BIT #3
2/12/2008	05:00 - 05:30	0.50	CIRC	1	CIR OUT PILL @7500 FT
	05:30 - 06:00	0.50	RIG	4	CHANGE OUT ROTATING RUBBER
	06:00 - 07:00	1.00	RIG	4	UNABLE TO STAB THRU ROTATING RUBBER, INSTALL USED
	07:00 - 08:00	1.00	CIRC	1	CIR BTM'S UP @7500 FT
	08:00 - 08:30	0.50	RIG	4	UNABLE TO STAB THRU ROTATING RUBBER, INSTALL USED
	08:30 - 09:00	0.50	TRP	2	TIH TO 8030 FT
	09:00 - 10:00	1.00	CIRC	1	CIR OUT HEAVY PILL
	10:00 - 10:30	0.50	REAM	1	SAFETY WASH 63 FT TO BTM
	10:30 - 12:30	2.00	DRL	1	DRLG F/8093 TO 8213 (120 FT 60 FPH) WOB 10-14, RPM 121, GPM 473, TORQUE 7000-9100
	12:30 - 13:00	0.50	RIG	4	INSTALL STRIPPING RUBBER
2/13/2008	13:00 - 15:00	2.00	DRL	1	DRLG F/8213 TO 8309
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 06:00	14.50	DRL	1	DRLG F/8309 TO 8770 (461 FT 31.79 FPH) WOB 12-16, RMP 114, GPM 473, TORQUE 6000-8600
	06:00 - 13:30	7.50	DRL	1	DRLG F/8770 TO 8928 (158 FT 21.06 FPH) WOB 12-16, RPM 143, GPM 440, TORQUE 6000-9400, LOST 20 BBL F/8839 TO 8852, PUMP TWO LCM SWEEPS, 3 TO 6 FT FLARE
	13:30 - 14:00	0.50	RIG	2	LOST POWER
	14:00 - 15:30	1.50	DRL	1	DRLG F/8928 TO 8975 (47 FT 33.57 FPH)
	15:30 - 17:00	1.50	CIRC	1	CIR F/SURVEY
	17:00 - 17:30	0.50	RIG	1	RIG SERVICE
	17:30 - 18:30	1.00	SUR	1	SURVEY@8895 2.7 DEG AZ 148.86 TVD 8889.63
	18:30 - 19:00	0.50	OTH		CHANGE OUT CORRISON RING
2/14/2008	19:00 - 03:30	8.50	DRL	1	DRLG F/8975 TO 9125 (150 FT 17.64 FPH)
	03:30 - 04:30	1.00	OTH		PASON DOWN
	04:30 - 06:00	1.50	DRL	1	DRLG F/9125 TO 9140 (15 FT 10 FPH) WOB 18-20, RPM 93, GPM 440, TORQUE 7000-8000
	06:00 - 06:30	0.50	DRL	1	DRLG F/9140 TO 9148
	06:30 - 07:00	0.50	CIRC	1	RIG SERVICE
	07:00 - 09:30	2.50	CIRC	1	FLOW CHECK & CONDITION MUD TO 10.2 PPG, SPOT 90 BBL PILL ON BTM
	09:30 - 18:30	9.00	TRP	10	TOH F/BIT, SLM
	18:30 - 21:30	3.00	TRP	2	TIH W/BIT #4 TO SHOE
	21:30 - 00:00	2.50	RIG	6	SLIP & CUT DRLG LINE
	00:00 - 00:30	0.50	CIRC	1	CIR BTM'S UP
	00:30 - 03:30	3.00	TRP	2	TIH TO 4565

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations	
2/14/2008	03:30 - 04:00	0.50	FISH	3	WORK STUCK PIPE, JAR FREE	
	04:00 - 04:30	0.50	RIG	4	INSTALL STRIPPING RUBBER	
	04:30 - 05:00	0.50	REAM	1	WASH & REAM F/4493 TO 4685	
2/15/2008	05:00 - 06:00	1.00	TRP	2	TIH @5500 FT	
	06:00 - 08:00	2.00	TRP	2	TIH W/BIT #4 TO 7926	
	08:00 - 09:00	1.00	CIRC	1	CIR BTM'S UP, 35 FT FLARE	
	09:00 - 09:30	0.50	TRP	2	TIH TO 8400	
	09:30 - 11:00	1.50	CIRC	1	CIR OUT PILL	
	11:00 - 11:30	0.50	TRP	2	TIH TO 8754	
	11:30 - 12:30	1.00	CIRC	1	CIR OUT PILL	
	12:30 - 14:30	2.00	REAM	1	WASH & REAM F/8754 TO 9148	
	14:30 - 15:30	1.00	DRL	1	DRLG F/9148 TO 9166 WOB 12/14, RPM 84, GPM 430, TORQUE 5100-7000	
	15:30 - 16:30	1.00	RIG	1	RIG SERVICE, CHANGE OUT HYDRALIC OIL FILTERS	
	16:30 - 06:00	13.50	DRL	1	DRLG F/9166 TO 9360 (194 FT 14.37 FPH) WOB 14/16, RPM 84, GPM 440, TORQUE 5100 TO 8400	
	2/16/2008	06:00 - 13:00	7.00	DRL	1	DRLG F/9360 TO 9451 (91 FT 13 FPH) WOB 16-19, RPM 84, GPM 440, TORQUE 7300-8400
		13:00 - 13:30	0.50	RIG	1	RIG SERVICE
13:30 - 22:30		9.00	DRL	1	DRLG F/9451 TO 9625 (174 FT 19.33 FPH)	
22:30 - 01:00		2.50	CIRC	1	CIR HI VIS SWEEP	
01:00 - 03:00		2.00	TRP	14	SHORT TRIP 10 STD	
2/17/2008	03:00 - 04:30	1.50	CIRC	1	CIR HI VIS SWEEP	
	04:30 - 05:00	0.50	SUR	1	DROP SURVEY	
	05:00 - 06:00	1.00	CIRC	1	CIR BTM'S UP	
	06:00 - 07:30	1.50	CIRC	1	CIR & SPOT 150 BBL PILL ON BTM	
	07:30 - 10:00	2.50	TRP	2	TOH F/LOGS TO 7200 FT	
	10:00 - 10:30	0.50	WCL	3	FLOW CHECK & PUMP SLUG	
	10:30 - 11:00	0.50	TRP	2	TOH TO 6580	
	11:00 - 12:00	1.00	TRP	2	NOT TAKING ANY HOLE FILL, TIH 5 STD TO 7060	
	12:00 - 14:30	2.50	CIRC	1	CIR BTM'S UP, MAX GAS 6332, 5 FT FLARE, GAS DROPPED TO 330 UNITS, PUMP PILL	
	14:30 - 16:00	1.50	TRP	2	TOH TO 6200 FT	
	16:00 - 17:00	1.00	TRP	2	HOLE SWABBING, PUMP OUT 7 STD TO 5540	
	17:00 - 18:00	1.00	CIRC	1	CIR BTM'S UP	
	18:00 - 19:30	1.50	TRP	2	PUMP OUT TO 4385	
	19:30 - 20:00	0.50	CIRC	1	CIR BTM'S UP	
	20:00 - 00:00	4.00	TRP	2	PUMP OUT TO 1990	
2/18/2008	00:00 - 00:30	0.50	CIRC	1	CIR BTM'S UP	
	00:30 - 04:30	4.00	TRP	2	TOH PUMPING OUT	
	04:30 - 05:00	0.50	TRP	1	L/D MONEL & MOTOR	
	05:00 - 06:00	1.00	OTH		CLEAN FLOOR, BLOW DOWN TOP DRIVE	
	06:00 - 09:00	3.00	TRP	2	TIH TO 1954 FT	
	09:00 - 09:30	0.50	CIRC	2	CIR BTM'S UP	
	09:30 - 11:00	1.50	TRP	2	TOH TO 4330	
	11:00 - 11:30	0.50	REAM	1	WASH & REAM F/4330 TO 4435 FT	
	11:30 - 12:00	0.50	CIRC	1	CIR BTM'S UP, LARGE AMOUNTS OF CUTTINGS ACROSS SHAKER	
	12:00 - 12:30	0.50	TRP	2	TOH TO 4815	
	12:30 - 14:00	1.50	CIRC	1	CIR BTM'S UP, SLUFFING SHALE, RAISE MUD WT TO 10.3 PPG	
	14:00 - 17:00	3.00	REAM	1	WASH & REAM F/4815 TO 5290 FT	
	17:00 - 17:30	0.50	RIG	1	RIG SERVICE	
	17:30 - 23:00	5.50	REAM	1	WASH & REAM F/5290 TO 6725	
	23:00 - 23:30	0.50	CIRC	1	CIR	
	23:30 - 00:30	1.00	REAM	1	WASH & REAM F/6725 TO 7015	

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/18/2008	00:30 - 01:30	1.00	CIRC	1	CIR
	01:30 - 03:00	1.50	REAM	1	WASH & REAM F/7015 TO 7395
	03:00 - 03:30	0.50	CIRC	1	CIR
2/19/2008	03:30 - 06:00	2.50	REAM	1	WASH & REAM F/7395 TO 8054
	06:00 - 14:30	8.50	REAM	1	WASH & REAM F/8054 TO 9625
	14:30 - 21:30	7.00	CIRC	1	CIR & CONDITION MUD TO 10.4, MUD WT OUT STAYING @9.9, SPOT 149 BBL PILL ON BTM
	21:30 - 00:00	2.50	TRP	2	TOH F/LOGS TO 7335
	00:00 - 01:30	1.50	CIRC	1	CIR & CONDITION MUD TO 10.4, MUD WT OUT 10.3+
2/20/2008	01:30 - 02:00	0.50	WCL	3	FLOW CHECK
	02:00 - 02:30	0.50	TRP	2	TOH TO 6860
	02:30 - 03:00	0.50	WCL	3	FLOW CHECK & PUMP DRY JOB
	03:00 - 06:00	3.00	TRP	2	TOH F/ LOGS @2600 FT
	06:00 - 09:00	3.00	TRP	2	TOH F/LOGS
	09:00 - 10:30	1.50	LOG	1	INSTALL LOGGING ADAPTOR & R/U LOGGERS
	10:30 - 15:30	5.00	LOG	1	LOG W/TRIPLE COMBO, LOGGERS DEPTH 9631, STRAP 9628.6, TALLEY 9625
	15:30 - 16:30	1.00	LOG	1	R/D LOGGERS & L/D LOGGING ADAPTOR
	16:30 - 18:30	2.00	TRP	2	TOH TO SHOE
	18:30 - 19:00	0.50	CIRC	1	CIR BTM'S UP
	19:00 - 20:30	1.50	RIG	6	SLIP & CUT DRLG LINE
	20:30 - 22:30	2.00	TRP	2	TIH TO 5000 FT
	22:30 - 23:30	1.00	CIRC	1	CIR BTM'S UP, MAX GAS 7600 UNITS, 5 FT FLARE
	23:30 - 01:00	1.50	TRP	2	TIH TO 8050
	01:00 - 03:00	2.00	CIRC	1	CIR BTM'S UP, MAX GAS 8000 UNITS, MAX FLARE 40 FT, 14 BBL HRS LOSSES @8050, MIX LCM
2/21/2008	03:00 - 03:30	0.50	TRP	2	TIH TO 8440 FT
	03:30 - 04:30	1.00	CIRC	1	CIR OUT PILL, MAX GAS 4440 UNITS, MAX FLARE 10 FT, LOSSES 14 BBL HR
	04:30 - 05:00	0.50	TRP	2	TIH TO 9007
	05:00 - 06:00	1.00	CIRC	1	CIR OUT PILL,
	06:00 - 06:30	0.50	CIRC	1	CIR OUT HEAVY PILL
	06:30 - 07:00	0.50	TRP	2	TIH TO 9483, MAX GAS 8590 UNITS, MAX FLARE 25 FT
	07:00 - 07:30	0.50	REAM	1	WASH & REAM F/9483 TO 9625
	07:30 - 11:30	4.00	CIRC	1	CIR & COND MUD, SPOT 149 BBL PILL ON BTM
	11:30 - 13:00	1.50	TRP	2	TOH TO 7250 FT, MAX GAS 5700 UNITS
	13:00 - 15:00	2.00	CIRC	1	CIR BTM'S UP, BLOW DOWN TD
	15:00 - 23:00	8.00	TRP	3	L/D DRILL PIPE TO 1474
	23:00 - 23:30	0.50	TRP	2	TIH W/DRILL PIPE F/DERRICK
	23:30 - 00:00	0.50	RIG	2	RIG REPAIR-DRAWWORKS ENCODER
	00:00 - 01:00	1.00	TRP	2	TIH TO 3862
	2/22/2008	01:00 - 02:00	1.00	RIG	2
02:00 - 06:00		4.00	TRP	3	L/D DRILL PIPE @1630, 11 BBL HR LOSSES
06:00 - 09:00		3.00	TRP	1	L/D DRILL PIPE & BHA
09:00 - 10:00		1.00	OTH		PULL BEARNING PACK & WEAR BUSHING
10:00 - 12:30		2.50	CSG	1	R/U CASING CREW
12:30 - 16:30		4.00	CSG	2	RUN 7" CASING TO 2025
16:30 - 18:00		1.50	CIRC	1	CIR CASING, PARTIAL RETURNS 25%
18:00 - 21:00		3.00	CSG	2	RUN 7" CASING TO 3956
21:00 - 22:00		1.00	CIRC	1	CIR CASING, PARTIAL RETURNS 35%
22:00 - 23:00		1.00	CSG	2	RUN 7" CASING TO 4680
23:00 - 00:00		1.00	CIRC	1	CIR CASING, PARTIAL RETURNS 35%
00:00 - 01:30		1.50	CSG	2	RUN 7" CASING TO 5678
01:30 - 02:30		1.00	CIRC	1	CIR CASING, PARTIAL RETURNS 35%
02:30 - 03:30		1.00	CSG	2	RUN 7" CASING TO 6675

**CONFIDENTIAL**

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/22/2008	03:30 - 05:30	2.00	CIRC	1	BUILD MUD VOLUME IN PREMIX TANK
	05:30 - 06:00	0.50			PUMP LCM SWEEP @6730
2/23/2008	06:00 - 08:00	2.00	WCL	1	WELL FLOWING OVER DRILLING NIPPLE, SHUT IN & CIRC GAS OUT THROUGH CHOKE
	08:00 - 12:30	4.50	CSG	2	RUN CASING, TOTAL 211 JTS 26# P110 LT&C LANDED @9606.98
	12:30 - 14:30	2.00	WCL	1	WELL FLOWING OVER DRILLING NIPPLE, SHUT IN & CIRC GAS OUT THROUGH CHOKE
	14:30 - 15:00	0.50	CSG	1	LAND CSG W/230000, R/D FILL TOOL (CONTACT BLM)
	15:00 - 17:00	2.00	OTH		INSTALL PACKOFF & CEMENT ISOLATION TOOL
	17:00 - 17:30	0.50	CSG	1	R/D CSG ELEVATORS & BLOW DOWN TD
	17:30 - 18:30	1.00	CMT	1	S/M & R/U HALLIBURTON
	18:30 - 19:00	0.50	CIRC	1	ATTEMPT TO CIRC, NO RETURNS, PUMPED 108 BBL
	19:00 - 00:00	5.00	CMT	2	CEMENT 7" CASING, TEST CMT LINES 6000PSI, N2 LINES 8000 PSI, PUMP 10 BBL H2O, 30 BBL SUPERFLUSH, 10 BBL H2O, 30 BBL SCAVENGER CMT, 150 BBL LEAD 1, 410 LEAD 2, 41.2 BBL TAIL, DISPLACE W/364 BBL H2O, BUMP PLUG, FLOATS HELD, 140 BBL CMT TO SURFACE, PUMP 55.2 BBL CAP CMT
	00:00 - 01:30	1.50	CMT	1	R/D CEMENTERS & L/D LANDING JT (2 HAND WALKED OFF)
	01:30 - 03:30	2.00			CHANGE OUT BTM RAMS TO 4"
	03:30 - 06:00	2.50			CHANGE OUT SUB ON TD, GRABBER DIE BLOCKS, STABBING GUIDE, BAILS & ELEVATORS
2/24/2008	06:00 - 07:00	1.00	BOP	2	R/U TESTERS
	07:00 - 12:00	5.00	BOP	2	TEST BOP, CHOKE & TD 250 LOW, 10000 HI, HYDRIL 250 LOW, 5000 HI, STANDPIPE 250 LOW, 3000 HI
	12:00 - 12:30	0.50	BOP	2	R/D TESTERS
	12:30 - 14:00	1.50	OTH		INSTALL WEAR BUSHING & BEARING PACK
	14:00 - 16:30	2.50	TRP	1	STRAP BHA, DRILL PIPE & DRIFT
	16:30 - 21:00	4.50	TRP	1	P/U BIT, MOTOR, MONEL & BHA, TEST MOTOR
	21:00 - 23:00	2.00	TRP	3	P/U DRILL PIPE @3763
	23:00 - 02:00	3.00	TRP	3	FILL PIPE RACKS, STRAP & DRIFT PIPE
	02:00 - 06:00	4.00	TRP	3	P/U DRILL PIPE TO 7100 FT
2/25/2008	06:00 - 06:30	0.50	TRP	2	P/U DRILL PIPE @7626
	06:30 - 09:00	2.50	TRP	2	FILL PIPE RACKS, STRAP & DRIFT PIPE
	09:00 - 12:00	3.00	TRP	2	P/U DRILL PIPE @ 9500
	12:00 - 14:00	2.00	OTH		FILL PIPE & TEST CSG TO 2100 PSI F/30 MIN
	14:00 - 15:30	1.50	CIRC	1	DISPLACE WATER TO 10.8 PPG MUD
	15:30 - 17:00	1.50	DRL	4	DRLG CEMENT & FLOAT COLLAR
	17:00 - 18:00	1.00	OTH		INSTALL ROTATING HEAD
	18:00 - 19:00	1.00	DRL	4	DRLG CEMENT,SHOE, & 10' NEW HOLE-FC @ 9515,SHOE @ 9607
	19:00 - 20:30	1.50	EQT	2	CIR & FIT TEST@ 9635 W/10.8 AMW @ 1852 PSI = 14.5 EMW,BLOW DOWN CHOKE MANIFOLD
	20:30 - 23:00	2.50	DRL	1	DRLG F/9635 TO 9734 (99 FT @ 39.6 FPH) WOB 8-10,RPM 60, GPM 228,TORQ 6000
	23:00 - 00:00	1.00	CIRC	1	CIR OUT GAS @ 9734,50 BBL GAIN W/MAX GAS 8889 UNITS,50 FT FLARE
	00:00 - 06:00	6.00	DRL	1	DRLG F/9734 TO 10027 (293 FT @ 48.8 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5200
2/26/2008	06:00 - 07:30	1.50	CIRC	1	CIR F/SURVEY
	07:30 - 08:00	0.50	SUR	1	SURVEY @ 9947,INC 4.6,AZ 133.26,TVD 9938.91
	08:00 - 12:30	4.50	DRL	1	DRLG F/10027 TO 10221 (194 FT @ 43.1 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5400
	12:30 - 13:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	13:00 - 18:00	5.00	DRL	1	DRLG F/10221 TO 10435 (214 FT @ 42.8 FPH) WOB 8-10,RPM 55-60,GOM 228,TORQ 5000
	18:00 - 06:00	12.00	DRL	1	DRLG F/10435 TO 10845 (410 FT @ 34.1 FPH) WOB 8-10,RPM 60,GPM

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/26/2008	18:00 - 06:00	12.00	DRL	1	228,TORQ 5000
2/27/2008	06:00 - 16:00	10.00	DRL	1	DRLG F/10845 TO 11194 (349 FT @ 34.9 FPH) WOB 8-10,RPM 55-60,GPM 228,TORQ 5200
	16:00 - 16:30	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	16:30 - 03:00	10.50	DRL	1	DRLG F/11194 TO 11584 (390 FT @ 37.1 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5400
	03:00 - 04:30	1.50	CIRC	1	CIR OUT GAS,28 BBL GAIN,5626 UNITS GAS WITH 40 FT FLARE
	04:30 - 06:00	1.50	DRL	1	DRLG F/11584 TO 11649 (65 FT @ 43.3 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5300
2/28/2008	06:00 - 15:00	9.00	DRL	1	DRLG F/11649 TO 12072 (423 FT @ 47 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5600
	15:00 - 15:30	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	15:30 - 06:00	14.50	DRL	1	DRLG F/12072 TO 12656 (584 FT @ 40.2 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5900
2/29/2008	06:00 - 13:00	7.00	DRL	1	DRLG F/12656 TO 12948 (292 FT @41.7 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 6000
	13:00 - 13:30	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	13:30 - 18:00	4.50	DRL	1	DRLG F/12948 TO 13110 (162 FT @ 36 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 6000
	18:00 - 23:30	5.50	DRL	1	DRLG F/13110 TO 13240 (130 FT @ 23.6 FPH) WOB 8-10,RPM 60,GPM 228,TORQ 5500
	23:30 - 00:00	0.50	RIG	2	LOST COMMUNICATIONS WITH TOP DRIVE
	00:00 - 01:00	1.00	OTH		CHANGE ROTATING HEAD RUBBER
	01:00 - 06:00	5.00	DRL	1	DRLG F/13240 TO 13390 (150 FT @ 30 FPH) WOB 8-10,RPM 55-60.GPM 228,TORQ 5600-6200
3/1/2008	06:00 - 11:00	5.00	DRL	1	DRLG F/13390 TO 13533 (143 FT @28.6 FPH) WOB 8-10,RPM60,GPM 228,TORQ 5600
	11:00 - 11:30	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	11:30 - 18:00	6.50	DRL	1	DRLG F/13533 TO 13660 (127 FT @ 19.5 FPH)
	18:00 - 06:00	12.00	DRL	1	DRLG F/13660 TO 13815 (155 FT @ 12.9 FPH) WOB 8-10,RPM 60,GPM228,TORQ 5500-6500
3/2/2008	06:00 - 06:30	0.50	DRL	1	DRLG F/13815 TO 13822
	06:30 - 08:30	2.00	OTH		WORK TIGHT HOLE,BACK REAM F/13822 TO 13725
	08:30 - 09:30	1.00	REAM	1	REAM BACK TO BOTTOM
	09:30 - 11:30	2.00	CIRC	1	CIR HIGH VIS SWEEP
	11:30 - 13:00	1.50	CIRC	1	DROP SURVEY & SPOT 84 BBL OF 15.3 PPG HEAVY PILL
	13:00 - 15:00	2.00	TRP	10	TOH F/13822 TO 11500
	15:00 - 17:00	2.00	CIRC	1	CIR BTM UP,FLOW CHECK,PUMP SLUG-MAX GAS 7486 UNITS W/40' FLARE
	17:00 - 01:00	8.00	TRP	10	TOH FOR BIT F/11500 TO BIT
	01:00 - 03:00	2.00	TRP	1	RETRIEVE SURVEY TOOL, L/D MOTOR & BIT, STRAP NEW BHA & P/U SAME
	03:00 - 04:00	1.00	TRP	1	L/D 4.5" DC'S
	04:00 - 06:00	2.00	TRP	10	TIH, FILL AFTER BHA TO 3000"
3/3/2008	06:00 - 11:00	5.00	TRP	10	TIH F/3000 TO 9600', FILL PIPE EVERY 4000', & INSTALL ROTATE HEAD
	11:00 - 12:30	1.50	CIRC	1	CIRC. BTMS UP & FLOW CHECK, MAX GAS 8300U WITH A 30' FLARE
	12:30 - 13:30	1.00	RIG	6	CUT & SLIP 145' OF D/L
	13:30 - 15:30	2.00	TRP	10	TIH TO 12100'
	15:30 - 17:00	1.50	CIRC	1	CIRC BTMS UP, MAX GAS 8275 U, WITH 30' FLARE
	17:00 - 23:30	6.50	REAM	1	WASH & REAM F/ 12100' TO 13822'
	23:30 - 06:00	6.50	DRL	1	DRLG F/13822 TO 13864 (42 FT @ 6.46 FPH) WOB 8-12, RPM 60 ,GPM 210,TORQ 4700-5800
3/4/2008	06:00 - 06:30	0.50	DRL	1	DRLG F/ 13864 TO 13872 (8 FT @ 4 FT/HR) WOB 8-13, RPM 60 ,GPM 210,TORQ 4700-5800
	06:30 - 08:00	1.50	OTH		ATT TO MAKE CONN. WORK TIGHT HOLE

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/4/2008	08:00 - 15:00	7.00	DRL	1	DRLG F/ 13872 TO 13885 (13 FT @ APROX 3 FT/HR BEFORE RATE STOPPED DISPUTE EFFORTS TO REGAIN P/R) WOB 6- 15, RPM 50-65, TORQ.4000- 5700
	15:00 - 17:00	2.00	CIRC	1	CIRC & SPOT 85 BBL OF 15.5 PPG HEAVY PILL
	17:00 - 18:30	1.50	TRP	10	ATTEMPT TO TOO H WORK TIGHT HOLE F/ 13885' TO 13854
	18:30 - 21:30	3.00	CIRC	1	CIRC OUT HEAVY PILL & SPOT ANOTHER 85 BBLS OF 15.5 PPG
	21:30 - 23:30	2.00	TRP	10	BLOW DN & TOO H F/ 13885 TO 11420
	23:30 - 01:30	2.00	CIRC	1	CHK F/ FLOW ( NO FLOW) CBU PUMP DRY JOB, BLOW DN CIRC SYST. & DRAIN GAS BUSTER
3/5/2008	01:30 - 06:00	4.50	TRP	10	TOOH F/11420 TO 9600 CHK F/ FLOW, PULL RT HD, CONT TOO H TO 5000
	06:00 - 09:00	3.00	TRP	10	TOH FROM 5000' FOR BIT
	09:00 - 09:30	0.50	TRP	1	L/D TORQUE BUSTER & BIT,M/U NEW BIT
	09:30 - 15:30	6.00	TRP	10	TIH TO 9600,FILL PIPE EVERY 4000 FT,INSTALL ROTATING RUBBER
	15:30 - 17:00	1.50	CIRC	1	FILL PIPE & CIR BTM'S UP,MAX GAS 2829 UNITS W/30 FT FLARE
	17:00 - 17:30	0.50	OTH		CHANGE CORROSION RING
	17:30 - 19:30	2.00	TRP	10	TIH F/ 9600' TO 12520'
	19:30 - 21:00	1.50	CIRC	1	CBU 30' FLARE 7800 UN
	21:00 - 22:00	1.00	TRP	10	TIH F/ 12520' TO 13773'
	22:00 - 22:30	0.50	REAM	1	WASH F/ 13773' TO 13885' NO FILL
22:30 - 06:00	7.50	DRL	1	DRLG F/ 13885' TO 13917' (32 FT @ 4.2 FT/HR) WOB 10-15, RPM 60-65 ,GPM 210,TORQ 4600-5300	
3/6/2008	06:00 - 16:30	10.50	DRL	1	DRLG F/13917 TO 13954 (37 FT @ 3.5 FPH) WOB 10-22,RPM 40-70,GPM 193-238,TORQ 4300
	16:30 - 17:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	17:00 - 05:00	12.00	DRL	1	DRLG F/ 13954 TO 13997 (43 FT @ 3.5 FPH) WOB 15-24,RPM 40-50,GPM 176-193,TORQ 4300-5800
3/7/2008	05:00 - 06:00	1.00	OTH		SLOW PUMP RATES,REAM TIGHT SPOT @ 13885
	06:00 - 09:00	3.00	CIRC	1	CIR,MIX & SPOT 85 BBL OF 15.7 PPG HEAVY PILL
	09:00 - 10:30	1.50	TRP	10	TOH FOR BIT TO 11450
	10:30 - 12:30	2.00	CIRC	1	CIR OUT GAS,FLOW CHECK,PUMP SLUG
	12:30 - 20:00	7.50	TRP	10	TOH F/11450 TO BIT & CHANGE OUT SAME
	20:00 - 01:30	5.50	TRP	10	CHANGE OUT BIT & TIH TO 9600
	01:30 - 03:30	2.00	CIRC	1	INSTALL ROTATE HEAD, CBU (9100 U, 10' FL)
	03:30 - 05:00	1.50	RIG	6	CUT & SLIP 97 FTD/L
3/8/2008	05:00 - 06:00	1.00	TRP	10	TIH TO 10500
	06:00 - 07:00	1.00	TRP	10	TIH TO 12600
	07:00 - 08:30	1.50	CIRC	1	CIR OUT GAS & HEAVY PILL,8590 UNITS W/20-30 FT FLARE
	08:30 - 09:00	0.50	TRP	10	TIH TO 13838
	09:00 - 10:00	1.00	REAM	1	WASH F/13838 TO 13997,NO FILL
	10:00 - 18:00	8.00	DRL	1	DRLG F/13997 TO 14019 (22 FT @ 2.75 FPH) WOB 8-21,RPM 40-65,GPM 175-230,TORQ 4000-4500
	18:00 - 06:00	12.00	DRL	1	DRLG F/14019 TO 14062 (65 FT @ 3.25 FPH) WOB 18-24,RPM 40-50,GPM 175,TORQ 4100
3/9/2008	06:00 - 06:30	0.50	RIG	1	SERVICE RIG & TOP DRIVE
	06:30 - 17:30	11.00	DRL	1	DRLG F/14062 TO 14102 ,20 BBL HR LOSSES @ 14062 FT-PUMP LCM SWEEPS
	17:30 - 22:30	5.00	CIRC	2	DRILL INTO BREAK @ 14102 & LOST 100% RETURNS NOTED 300 PSI LOSS, P/U TO 14070' SLOWED PUMP TO 30 SPM & PUMPED 40 BBL LCM SWEEP, REGAINED 100% RETURNS AFTER INITIAL SWEEP, PUMPED 2 OTHER 80 BBL LCM SWEEPS STAGED PUMP BACK TO 50 SPM (176 GPM) & RETURNED TO DRILLING 220 BBL LOSS
	22:30 - 01:30	3.00	DRL	1	DRILL F/ 14102 TO 14116 (14' @ 4.7 FT/HR) NO LOSSES PUMP 10 BBL LCM SWEEP EVERY HR
	01:30 - 04:30	3.00	CIRC	2	DRILL INT ANOTHER BREAK @ 14116' & LOST 30% RETURNS P/U TO 14102 SLOWED PUMP TO 30 SPM PUMPED 80 BBL LCM REGAINED 100% RETURNS

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/9/2008	01:30 - 04:30	3.00	CIRC	2	AFTER SWEEP CLEARED BIT RAMPED PUMP BACK TO 50 SPM AND RETURNED TO DRILLING 83 BBL LOSS
3/10/2008	04:30 - 06:00	1.50	DRL	1	DRLG F/ 14116 TO 14130 (14 @ 9.3 FT/HR)
	06:00 - 09:00	3.00	DRL	1	DRLG F/14130 TO 14146 (16 FT @ 5.3 FPH) WOB 20/28,RPM 40-45,GPM 176,TORQ 3700-4000
	09:00 - 11:00	2.00	CIRC	1	CIR,MIX & SPOT 85 BBL HEAVY LCM PILL
	11:00 - 13:00	2.00	TRP	10	TOH F/LOGS TO 11525,SLM
	13:00 - 15:00	2.00	CIRC	1	CIR OUT GAS,FLOW CHECK,PUMP SLUG,7880 UNITS GAS W/25 FT FLARE
	15:00 - 22:30	7.50	TRP	2	TOH F/LOGS,SLM
	22:30 - 00:00	1.50	LOG	1	R/U HALIB. LOGGERS EQ & LOG ADAPTER
	00:00 - 05:00	5.00	LOG	1	LOG W/TRIPLE COMBO, LOGGERS DEPTH 14128, STRAP 14157, TALLEY 14146
3/11/2008	05:00 - 06:00	1.00	LOG	1	R/D LOG EQ.
	06:00 - 12:30	6.50	TRP	2	M/U BIT & TIH TO 9600 FILLING EVERY 4000
	12:30 - 13:30	1.00	CIRC	1	CBU @ SHOE 8200 U 20' FLARE 8 BBL GAIN
	13:30 - 16:00	2.50	TRP	10	TIH F/ 9600 TO 12600
	16:00 - 17:30	1.50	CIRC	1	CBU @ 12600 7900 U 10' FLARE 4 BBL GAIN
	17:30 - 18:00	0.50	RIG	4	CHANGE ROTATE HEAD RUBBER
	18:00 - 20:30	2.50	TRP	10	TIH F/ 12600 TO 14065
3/12/2008	20:30 - 21:00	0.50	REAM	1	WASH F/ 14065 TO 14146 NO FILL OR TQ.
	21:00 - 06:00	9.00	DRL	1	DRILL F/ 14146 TO 14176
	06:00 - 08:00	2.00	CIRC	1	CIR & CONDITION MUD F/SHORT TRIP, BACK GROUND GAS 8450
	08:00 - 09:30	1.50	TRP	14	SHORT TRIP 10 STD
	09:30 - 11:00	1.50	CIRC	1	CIR & CONDITION MUD, MAX GAS 9640, 15 FT FLARE
	11:00 - 11:30	0.50	SUR	1	DROP SURVEY
	11:30 - 13:30	2.00	CIRC	1	CIR & CONDITION MUD, SPOT 85 BBL PILL ON BTM, 2# OVER
	13:30 - 15:00	1.50	TRP	2	TOH TO 11560
	15:00 - 17:00	2.00	CIRC	1	CIR BTM'S UP, FLOW CHECK, PUMP SLUG
	17:00 - 02:30	9.50	TRP	3	L/D 4" DP TO BHA
3/13/2008	02:30 - 04:00	1.50	TRP	2	TIH W/ REMAINING 2616' OF DP
	04:00 - 06:00	2.00	TRP	3	L/D 4" DP TO 2380
	06:00 - 08:30	2.50	TRP	3	L/D 4" DP & BHA
	08:30 - 10:00	1.50	OTH		PULL BEARNING PACK, WEAR BUSHING & INSTALL BEARNING PACK
	10:00 - 12:00	2.00	RIG	2	REPAIR CATWALK
	12:00 - 13:30	1.50	CSG	1	R/U CASING CREW & FILL TOOL
	13:30 - 20:30	7.00	CSG	2	SAFETY MEETING & RUN 4 1/2 CASING TO 5070 FT
	20:30 - 21:00	0.50	CIRC	1	CIR BTM'S UP
	21:00 - 00:30	3.50	CSG	2	RUN CASING TO 9000 FT
	00:30 - 01:00	0.50	CSG	2	INSTALL ROTATING RUBBER
	01:00 - 02:00	1.00	CIRC	1	CIR BTM'S UP, 25 FT FLARE, MAX GAS 7800 UNITS
	02:00 - 05:30	3.50	CSG	2	RUN CASING TO 12800 FT
3/14/2008	05:30 - 06:00	0.50	CIRC	1	CIR OUT HEAVE PILL
	06:00 - 07:00	1.00	CIRC	1	CIR BTM'S UP
	07:00 - 08:00	1.00	CSG	2	RUN CASING F/12800 TO 14005 FT
	08:00 - 10:30	2.50	CSG	2	WASH DOWN CASING F/14005 TO 14155 FT, TOTAL CASING RUN 316 JTS 4 1/2 P-110 LT&C 15.1# LANDED @14138
	10:30 - 11:00	0.50	CSG	2	L/D 1 JT
	11:00 - 12:00	1.00	CSG	1	R/D CSG CREW
	12:00 - 12:30	0.50	CMT	1	R/U CEMENTERS
	12:30 - 16:30	4.00	CIRC	1	CIR & CONDITION MUD
	16:30 - 20:30	4.00	CMT	2	S/M, TEST LINES TO 12000 PSI, PUMP 90 BBL TUNED SPACER, 810 SX CMT 13.6 PPG CMT, DISPLACE W/200 BBL CLAYFIX H2O, BUMP PLUG,FLOATS HELD, NO LOSSES, APPROX 5 BBL CMT TO SURFACE

### Operations Summary Report

Well Name: NBE 10CD-17-9-23  
 Location: 17- 9-S 23-E 26  
 Rig Name: SST

Spud Date: 1/10/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/14/2008	20:30 - 21:30	1.00	CMT	2	HOLD 5050 PSI ON CASING
	21:30 - 22:30	1.00	CMT	1	R/D CEMENTERS
	22:30 - 01:30	3.00	BOP	1	N/D BOP
	01:30 - 03:30	2.00	CSG	7	SET SLIPS W/225K, CUT OFF CASING
	03:30 - 06:00	2.50	BOP	1	CONT N/D BOP, CLEAN TANKS, RIG RELEASED @0600



**Questar Exploration and Production Company**

Independence Plaza  
1050 17th Street, Suite 500  
Denver, CO 80265  
Tel 303 672 6900 • Fax 303 294 9632

**Rocky Mountain Region**

August 29, 2008

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

RE: Sundry Notice of Commingling

To Whom It May Concern:

Enclosed for approval, please find Questar Exploration and Production Company's Sundry Notice of Commingling for the NBE 10CD-17-9-23 well located in T9S-R23E Section 17: NWSE.

Should you have any questions, please do not hesitate to contact me at (303) 672-6906 or by email at [nate.koeniger@questar.com](mailto:nate.koeniger@questar.com).

When available, it would be appreciated if an approved copy was sent to the undersigned using the letterhead address above.

Very truly yours,

Nathan C. Koeniger  
Landman

Enclosure

AFFIDAVIT OF NOTICE

STATE OF COLORADO )  
COUNTY OF DENVER ) ss:

Nathan C. Koeniger, being duly sworn, deposes and says:

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

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

- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the NBE 10CD-17-9-23 well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.
- 3. In my capacity as a Landman, I am authorized to provide such notice of Questar Exploration and Production Company's application to contiguous owners and to make this affidavit on this 29<sup>th</sup> day of August 2008.

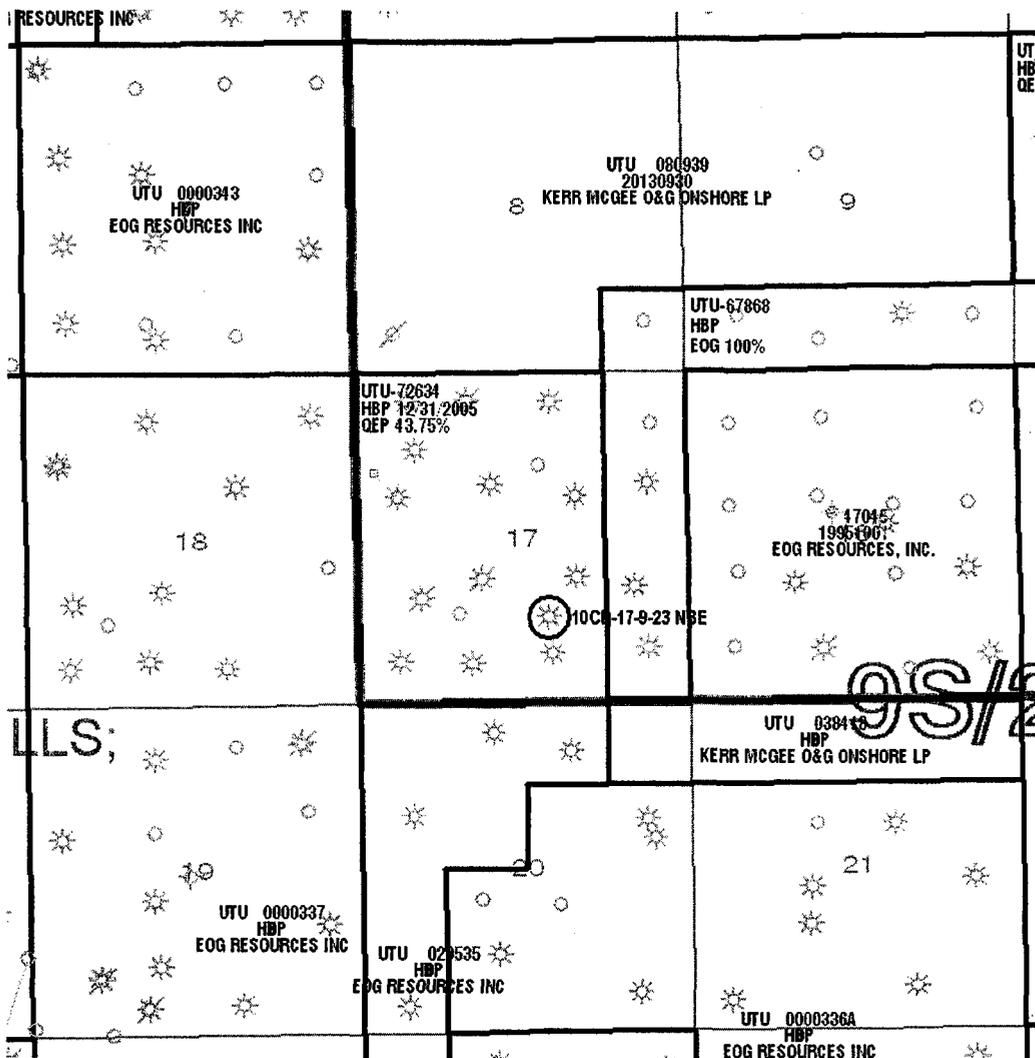
  
Printed Name: Nathan C. Koeniger

The foregoing instrument was sworn to and subscribed before me this 29<sup>th</sup> day of August 2008, by Nathan C. Koeniger.

  
Notary Public

THERESA CHATMAN  
-NOTARY PUBLIC-  
STATE OF COLORADO

MY COMMISSION EXPIRES: 7/7/11



**T9S-R23E**

**Tw/Kmv  
COMMINGLED PRODUCTION**

Uinta Basin—Uintah County, Utah

**Well: NBE 10CD 17-9-23  
Lease: UTU 72634**

○ Commingled well

**QUESTAR**  
Exploration and  
Production

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

Geologist:

Landman: Nate Koeniger

Date: July 1, 2008

MAILING LIST  
NBE 10CD-17-9-23  
NOTICE OF COMMINGLING

Anadarko Petroleum Corporation  
1999 Broadway – Suite 3600  
Denver, CO 80202  
Attn: W. Chris Latimer

EOG Resources, Inc.  
600 17<sup>th</sup> Street – Suite 1000N  
Denver, CO 80202  
Attn: Uinta Division Land Manager

III Exploration Company  
555 South Cole Road  
Boise, Idaho 83707  
Attn: William Glynn/Ken Smith

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  Well Gas  Well  Well Other

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

3. Address and Telephone No **Contact: Mike Stahl**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** **Phone: (303) 308-3613**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E**

5. Lease Designation and Serial No.  
**UTU-72634**

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

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

8. Well Name and No.  
**NBE 10CD-17-9-23**

9. API Well No.  
**43-047-39349**

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 checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Report	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Commingling</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

**DATE: 10.2.2008**  
**INITIALS: KS**

(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)

**"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the NBE 10CD-17-9-23. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams.**

**Questar requests approval for the commingling of production between the Dakota and Wasatch formations. Based upon offset production logs, the proposed initial allocation is as follows: Dakota - 25%, Mancos - 25%, Mesa Verde - 20%, Wasatch - 30%.**

**A production log will be run within 30 days to determine contribution from each interval. At that time a Subsequent Report will be filed detailing the results of the production log.**

**On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.**

14. I hereby certify that the foregoing is true and correct.  
Signed *Diana Bill* Title Associate Regulatory Affairs Analyst Date 06/13/2008

(This space for Federal or State office use)

Approved by: **APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING** Federal Approval Of This Action Is Necessary 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.

DATE: 9/30/08 BY: *[Signature]* See instruction on Reverse Side **RECEIVED** SEP 10 2008 **CONFIDENTIAL**  
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-72634**

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

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

8. Well Name and No.  
**NBE 10CD-17-9-23**

9. API Well No.  
**43-047-39349**

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  
**QUESTAR EXPLORATION & PRODUCTION COMPANY**

3. Address and Telephone No. **Contact: Mike Stahl**  
**11002 E. 17500 S. VERNAL, UT 84078-8526** Phone: **(303) 308-3613**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1347' FSL 2246' FEL, NWSE, SECTION 17, T9S, R23E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Commingling</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)  
**"In compliance with the stated objectives of the Federal Regulations for Onshore Oil & Gas Operations and the applicable Federal Unit Agreement, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the NBE 10CD-17-9-23. Questar considers this commingling to be in the public interest in that it promotes maximum ultimate economic recovery, prevents waste, provides for orderly and efficient production of oil and gas and presents no detrimental effects from commingling the two gas streams.**

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**On an annual basis the gas will be sampled and a determination will be made of the BTU content and gas constituents. These annual samples can be used to determine if the gas allocation is changing over time. If these samples do not indicate that any adjustments in allocation are necessary they may be discontinued after the fifth anniversary of the initial production.**

14. I hereby certify that the foregoing is true and correct.  
Signed *Aurora Bill* Title Associate Regulatory Affairs Analyst Date 06/13/2008

(This space for Federal or State office use)  
Approved by: **APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS & MINING** Federal Approval Of This Action Is Necessary 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

DATE: 9/30/08  
BY: *[Signature]*

See instruction on Reverse Side

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SEP 10 2008 CONFIDENTIAL

43.047 39349  
17 95 23e

**CONFIDENTIAL**

QUESTAR

**Operations Summary Report**

Legal Well Name: NBE 10CD-17-9-23  
 Common Well Name: NBE 10CD-17-9-23  
 Event Name: COMPLETION  
 Contractor Name: SST Energy  
 Rig Name: SST  
 Start: 3/26/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66  
 Spud Date: 1/10/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/2/2008	16:00 - 16:45	0.75	STIM	3	C-STIM	AVG RATE= 44.4 BPM. AVG PSI= 5,626.
	16:45 - 18:30	1.75	PERF	2	C-PERF	PERF STG #8 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 8,782' WITH 3,800 PSI. SHOOT 48 HOLES FROM 8,256' TO 8,746'.
4/3/2008	06:00 - 07:15	1.25	STIM	3	C-STIM	FRAC STAGE #8 WITH 800 GAL. 15% HCL AT 10 BPM, 2,713 BBLS SLICKWATER CARRYING 60,308 LBS# 30/60 SINTERLITE SAND. AVG RATE= 46.8 BPM. AVG PSI= 4,753.
	07:15 - 08:45	1.50	PERF	2	C-PERF	PERF STG #9 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 8,100' WITH 2,700 PSI. SHOOT 48 HOLES FROM 7,546' TO 8,061'.
	08:45 - 09:45	1.00	STIM	3	C-STIM	FRAC STAGE #9 WITH 800 GAL. 15% HCL AT 10 BPM, 2,654 BBLS SLICKWATER CARRYING 59,894 LBS# 30/60 SINTERLITE SAND. AVG RATE= 45.2 BPM. AVG PSI= 4,465.
	09:45 - 11:30	1.75	PERF	2	C-PERF	PERF STG #10 WITH 8- 2' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 6,660' WITH 2,200 PSI. SHOOT 48 HOLES FROM 5,568' TO 6,618'.
	11:30 - 12:00	0.50	STIM	3	C-STIM	FRAC STAGE #10 WITH 800 GAL. 15% HCL AT 10 BPM, 1,020 BBLS DELTA FLUID CARRYING 73,500 LBS# 20/40 CRC SAND. AVG RATE= 47.8 BPM. AVG PSI= 4,803.
	12:00 - 14:00 14:00 - 17:00	2.00 3.00	LOC LOC	4 4	C-STIM C-STIM	RDMO OWP ELU AND HES FRAC EQUIPMENT. MIRU IPS CTU AND GCDOE. NU SCHOONER FLOW CROSS AND SPOT SPIRIT FLUIDS TANK.
4/4/2008	06:00 - 20:00	14.00	STIM	3	C-STIM	LOAD CT WITH 120* WATER. MU EXPRESS 2 7/8" MOTOR/JARS WITH 3.625" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH DRILL OUT 9 PLUGS IN 6 HOURS. TAG PBTD AT 14,135'. PUMP FINAL 10 BBLS SWEEP AND POOH.
4/5/2008	20:00 - 06:00	10.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
4/6/2008	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
4/7/2008	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
4/8/2008	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
4/9/2008	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE.
4/10/2008	06:00 - 06:00	24.00	PTST	2	C-POST	FLOWING TO SALES THROUGH IPS FBE. RD IPS FBE.
1/30/2009	06:00 - 16:00	10.00	BOP	1	C-TBNG	TIGHT HOLE - Run Tbg for the 1st time in this well On 1/29/09 MIRU Basin Well Service to run tbg in well. Bled csg down to 200# and top kill csg with 20 bbls of 2% KCL water. ND frac valve and NU BOP's. Tally and rabbit in the hole with 150 jts of new 2-3/8" 4.7# EUE 8rd L-80 tbg to 4736'. Had to pump an additional 30 bbls of water while running tbg due to tbg blowing and csg unloading the water pumped. SIFN. Recovered all water pumped today.  24 Hour Forecast: Will continue to run new tbg in the well.  Csg Size: 4-1/2" 15.1# HCP-100 Csg Depth: 14136'
2/2/2009	06:00 - 16:00	10.00	TRP	5	C-TBNG	TIGHT HOLE - Run Tbg for the 1st time in this well On 1/30/09 SITP & SICP = 1200#. Bled down well & pump 10 bbls of 2% KCL water down the tbg. Continue to tally and rabbit in the hole with 2-3/8" tbg to 9497'. Had to pump an additional total of 20 bbls of 2% KCL water down the tbg while RIH. SIFW. Too late to get additional tbg for the day due to change in plans.

### Operations Summary Report

Legal Well Name: NBE 10CD-17-9-23  
 Common Well Name: NBE 10CD-17-9-23  
 Event Name: COMPLETION  
 Contractor Name: SST Energy  
 Rig Name: SST

Start: 3/26/2008  
 Rig Release: 3/14/2008  
 Rig Number: 66

Spud Date: 1/10/2008  
 End:  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/2/2009	06:00 - 16:00	10.00	TRP	5	C-TBNG	24 Hour Forecast: On 2/2/09 will continue to RIH and tag PBTD.  Csg Size: 4-1/2" 15.1# HCP-100 Csg Depth: 14136'

State of Utah  
Division of Oil, Gas and Mining

OPERATOR ACCT. No. N-5085

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

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
E	16616	16616	43-047-39349	NBE 10CD 17 9 23	NWSE	17	9S	23E	Uintah	1/9/2008	3/1/09

WELL 1 COMMENTS: **WMMFD**

**CONFIDENTIAL** 4/14/09

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

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

  
Signature

Office Administrator Title      4/10/09 Date

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

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

(3/89)

**RECEIVED**

APR 13 2009

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

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

ROUTING  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

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

CA No.

Unit:

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
See attached

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

7. UNIT or CA AGREEMENT NAME:  
See attached

8. WELL NAME and NUMBER:  
See attached

9. API NUMBER:  
Attached

10. FIELD AND POOL, OR WILDCAT:  
See attached

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

RECEIVED  
JUN 28 2010

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	

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

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

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

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

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WVX 16MU-18-8-21	18	080S	210E	4304738191		Federal	GW	APD	C
GH 7D-19-8-21	19	080S	210E	4304738267	16922	Federal	GW	P	
WF 8C-15-15-19	15	150S	190E	4304738405	17142	Indian	GW	OPS	C
WVX 1MU-18-8-21	18	080S	210E	4304738659		Federal	GW	APD	C
WVX 9MU-18-8-21	18	080S	210E	4304738660		Federal	GW	APD	C
GB 12SG-29-8-22	29	080S	220E	4304738766	16096	Federal	GW	S	
GB 10SG-30-8-22	30	080S	220E	4304738767	16143	Federal	GW	S	
FR 14P-20-14-20	20	140S	200E	4304739168	16179	Federal	GW	P	
SU 11M-8-7-22	08	070S	220E	4304739175		Federal	GW	APD	C
HB 2M-9-7-22	09	070S	220E	4304739176		Federal	GW	APD	C
SUMA 4M-20-7-22	20	070S	220E	4304739177		Federal	GW	APD	C
SU 16M-31-7-22	31	070S	220E	4304739178		Federal	GW	APD	C
FR 13P-20-14-20	20	140S	200E	4304739226	16719	Federal	GW	P	
SG 11BML-23-8-22	23	080S	220E	4304739230		Federal	GW	APD	C
SG 12DML-23-8-22	23	080S	220E	4304739231		Federal	GW	APD	C
GB 1CML-29-8-22	29	080S	220E	4304739232		Federal	GW	APD	C
NBE 8CD-10-9-23	10	090S	230E	4304739341	16513	Federal	GW	P	
NBE 15AD-10-9-23	10	090S	230E	4304739342		Federal	GW	APD	C
NBE 6DD-10-9-23	10	090S	230E	4304739343		Federal	GW	APD	C
NBE 6AD-10-9-23	10	090S	230E	4304739344		Federal	GW	APD	C
NBE 6BD-10-9-23	10	090S	230E	4304739345		Federal	GW	APD	C
NBE 5DD-10-9-23	10	090S	230E	4304739346	16574	Federal	GW	P	
NBE 7BD-17-9-23	17	090S	230E	4304739347		Federal	GW	APD	C
NBE 4DD-17-9-23	17	090S	230E	4304739348	16743	Federal	GW	P	
NBE 10CD-17-9-23	17	090S	230E	4304739349	16616	Federal	GW	P	
NBE 11CD-17-9-23	17	090S	230E	4304739350		Federal	GW	APD	C
NBE 8BD-26-9-23	26	090S	230E	4304739351	16617	Federal	GW	P	
NBE 3DD-26-9-23	26	090S	230E	4304739352		Federal	GW	APD	C
NBE 3CD-26-9-23	26	090S	230E	4304739353		Federal	GW	APD	C
NBE 7DD-26-9-23	26	090S	230E	4304739354		Federal	GW	APD	C
NBE 12AD-26-9-23	26	090S	230E	4304739355		Federal	GW	APD	C
NBE 5DD-26-9-23	26	090S	230E	4304739356		Federal	GW	APD	C
NBE 13AD-26-9-23	26	090S	230E	4304739357		Federal	GW	APD	C
NBE 14AD-26-9-23	26	090S	230E	4304739358		Federal	GW	APD	C
NBE 9CD-26-9-23	26	090S	230E	4304739359		Federal	GW	APD	C
FR 9P-20-14-20	20	140S	200E	4304739461	17025	Federal	GW	S	
FR 13P-17-14-20	17	140S	200E	4304739462		Federal	GW	APD	C
FR 9P-17-14-20	17	140S	200E	4304739463	16829	Federal	GW	P	
FR 10P-20-14-20	20	140S	200E	4304739465		Federal	GW	APD	C
FR 5P-17-14-20	17	140S	200E	4304739509		Federal	GW	APD	C
FR 15P-17-14-20	17	140S	200E	4304739510		Federal	GW	APD	C
FR 11P-20-14-20	20	140S	200E	4304739587		Federal	GW	APD	
FR 5P-20-14-20	20	140S	200E	4304739588		Federal	GW	APD	C
FR 9P-21-14-20	21	140S	200E	4304739589		Federal	GW	APD	C
FR 13P-21-14-20	21	140S	200E	4304739590		Federal	GW	APD	C
GB 7D-27-8-21	27	080S	210E	4304739661		Federal	GW	APD	C
GB 15D-27-8-21	27	080S	210E	4304739662	16830	Federal	GW	P	
WV 13D-23-8-21	23	080S	210E	4304739663	16813	Federal	GW	P	
WV 15D-23-8-21	23	080S	210E	4304739664	16924	Federal	GW	P	
FR 14P-17-14-20	17	140S	200E	4304739807		Federal	GW	APD	C
FR 12P-20-14-20	20	140S	200E	4304739808		Federal	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
FR 6P-20-14-20	20	140S	200E	4304739809	16925	Federal	GW	P	
FR 3P-21-14-20	21	140S	200E	4304739810		Federal	GW	APD	C
FR 4P-21-14-20	21	140S	200E	4304739811	16771	Federal	GW	P	
FR 8P-21-14-20	21	140S	200E	4304739812		Federal	GW	APD	C
FR 15P-21-14-20	21	140S	200E	4304739815		Federal	GW	APD	C
FR 2P-20-14-20	20	140S	200E	4304740053		Federal	GW	APD	
FR 2P-21-14-20	21	140S	200E	4304740200		Federal	GW	APD	C
WV 11-23-8-21	23	080S	210E	4304740303		Federal	GW	APD	C
GB 12-27-8-21	27	080S	210E	4304740304		Federal	GW	APD	C
GH 11C-20-8-21	20	080S	210E	4304740352		Federal	GW	APD	C
GH 15A-20-8-21	20	080S	210E	4304740353		Federal	GW	APD	C
GH 10BD-21-8-21	21	080S	210E	4304740354		Federal	GW	APD	C
FR 11P-21-14-20	21	140S	200E	4304740366		Federal	GW	APD	C
MELANGE U 1	09	140S	200E	4304740399		Federal	GW	APD	C
OP 16G-12-7-20	12	070S	200E	4304740481	17527	Federal	OW	DRL	C
OP 4G-12-7-20	12	070S	200E	4304740482		Federal	OW	APD	C
WF 8D-21-15-19	21	150S	190E	4304740489		Indian	GW	APD	C
WF 15-21-15-19	21	150S	190E	4304740490		Indian	GW	APD	
WF 4D-22-15-19	22	150S	190E	4304740491		Indian	GW	APD	C

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>

IN REPLY REFER TO:

3100

(UT-922)

JUL 28 2010

### Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

*Roy L. Bankert*

Subject: Name Change Recognized

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

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS