



**QEP Uinta Basin, Inc.**

11002 East 17500 South

Vernal, UT 84078

Tel 435 781 4300 • Fax 435 781 4329

October 4, 2005

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 QEP Uinta Basin, Inc. NBZ 8ML-31-8-24 is an exception to this rule due to topography.

There are no additional lease owners within 460' of the proposed location. If you have any question please contact Jan Nelson @ (435) 781-4331.

Thank you,

Jan Nelson

RECEIVED

OCT 05 2005

DIV. OF OIL, GAS & MINING

**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>			5. LEASE DESIGNATION AND SERIAL NO. UTU-77301
TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
TYPE OF WELL <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> SINGLE <input checked="" type="checkbox"/> MULTIPLE <input checked="" type="checkbox"/> OIL WELL GAS WELL OTHER ZONE ZONE			7. UNIT AGREEMENT NAME BIG VALLEY UNIT # UTU-81308X
2. NAME OF OPERATOR QEP UINTA BASIN, INC.			8. FARM OR LEASE NAME, WELL NO. NBZ 8ML-31-8-24
3. ADDRESS 11002 E. 17500 S. Vernal, Ut 84078			9. API NUMBER: 43-047-37238
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 1581' FNL 1233' FEL SENE, SECTION 31, T8S, R24E At proposed production zone			10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 34 +/- SOUTHEAST OF VERNAL, UTAH			11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC.31 T8S R24E Mer SLB
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 1233' +/-		16. NO. OF ACRES IN LEASE 1505.46	12. COUNTY OR PARISH 13. STATE Uintah UT
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 5081.2' GR		19. PROPOSED DEPTH 9000'	23. Estimated duration 10 days
24. Attachments			

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

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

649107X 40.082037  
4438118Y -109.251190

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE October 3, 2005

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43-047-37238 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 SCIENTIST III DATE 10-24-05

\*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, or to furnish any information in violation of the jurisdiction

**Federal Approval of this Action is Necessary**

**RECEIVED**  
**OCT 05 2005**  
DIV. OF OIL, GAS & MINING

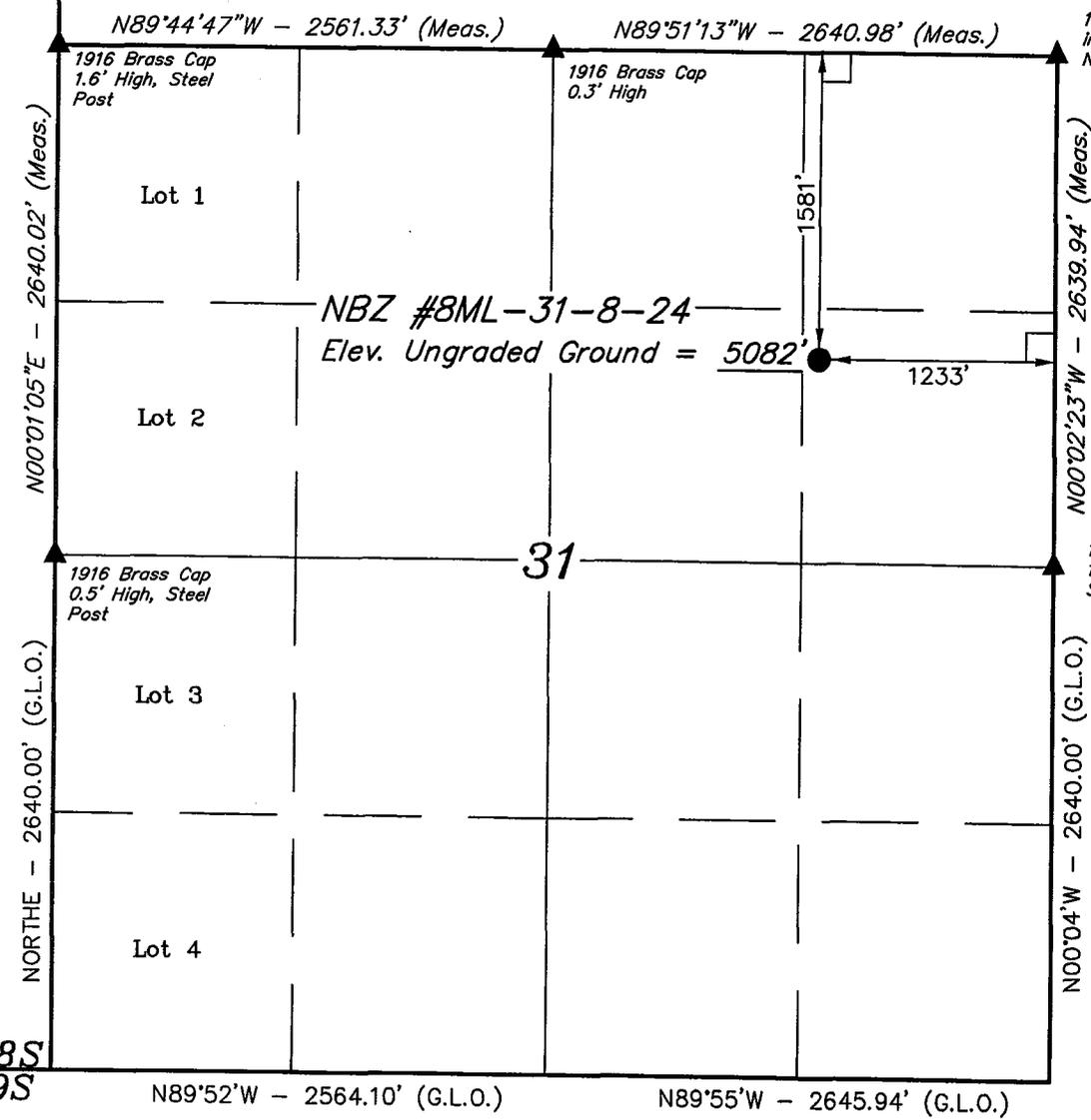
**CONFIDENTIAL**

**QUESTAR EXPLR. & PROD.**

Well location, NBZ #8ML-31-8-24, located as shown in the SE 1/4 NE 1/4 of Section 31, T8S, R24E, S.L.B.&M. Uintah County, Utah.

**T8S, R24E, S.L.B.&M.**

R 23  
E E

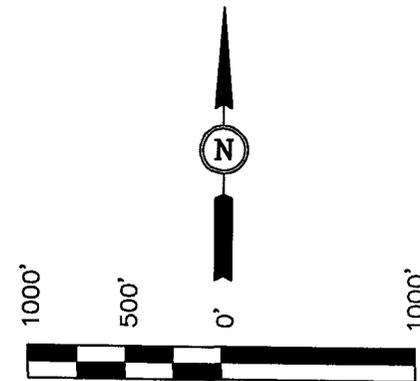


**BASIS OF ELEVATION**

BENCH MARK 45EAM LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 6, T9S, R24E, S.L.B.&M. TAKEN FROM THE BONANZA, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5350 FEET.

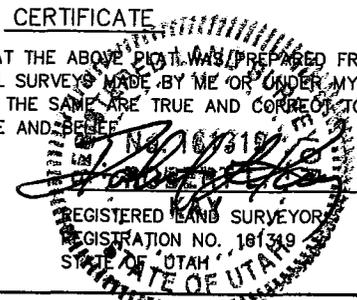
**BASIS OF BEARINGS**

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



**SCALE CERTIFICATE**

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



R 8S  
R 9S

N89°52'W - 2564.10' (G.L.O.)      N89°55'W - 2645.94' (G.L.O.)

**LEGEND:**

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

(AUTONOMOUS NAD 83)  
 LATITUDE = 40°04'55.36" (40.082044)  
 LONGITUDE = 109°15'06.53" (109.251814)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 40°04'55.48" (40.082078)  
 LONGITUDE = 109°15'04.10" (109.251139)

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 08-01-05	DATE DRAWN: 08-08-05
PARTY D.A.    T.A.    L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QUESTAR EXPLR. & PROD.	

**QUESTAR EXPLR. & PROD.**

**T8S, R24E, S.L.B.&M.**

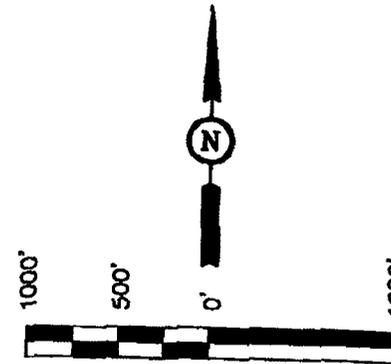
Well location, NBZ #8ML-31-8-24, located as shown in the SE 1/4 NE 1/4 of Section 31, T8S, R24E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK 45EAM LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 6, T9S, R24E, S.L.B.&M. TAKEN FROM THE BONANZA, 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 5350 FEET.

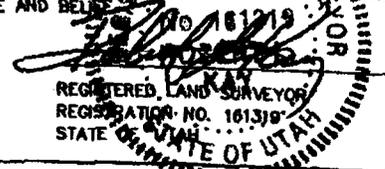
**BASIS OF BEARINGS**

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



SCALE  
CERTIFICATE

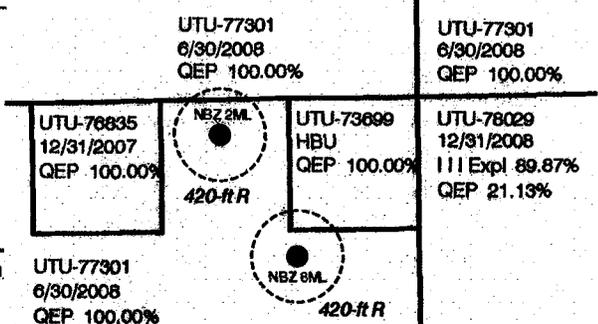
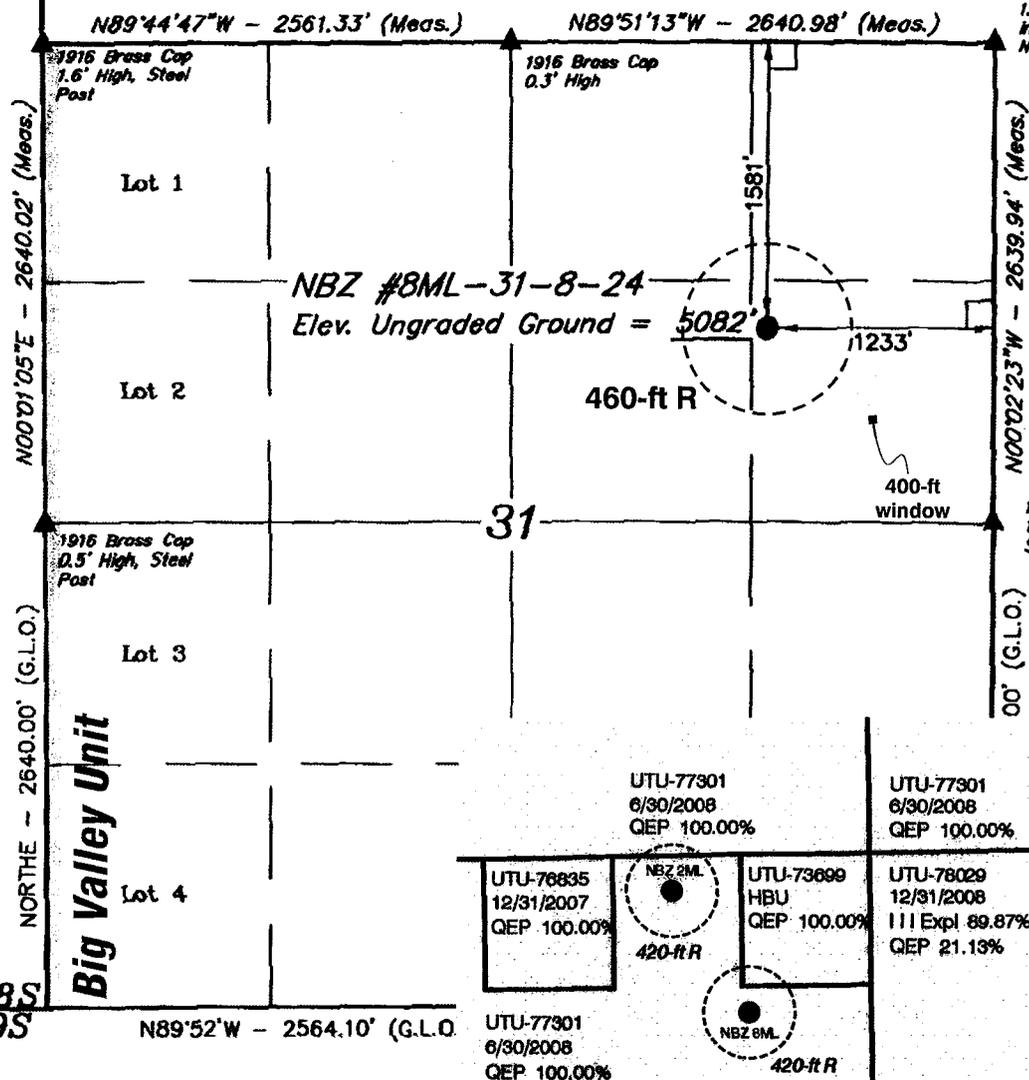
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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

SCALE 1" = 1000'	DATE SURVEYED: 08-01-05	DATE DRAWN: 08-08-05
PARTY D.A. T.A. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QUESTAR EXPLR. & PROD.	

R 23 E  
R 24 E



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

(AUTONOMOD NAD 27)  
LATITUDE = 40°04'55.48" (40.082078)  
LONGITUDE = 109°15'04.10" (109.251139)

**Big Valley Unit**

R8S R9S  
N89°52'W - 2564.10' (G.L.O.)

N00°01'05"E - 2640.02' (Meas.)  
N00°02'23"W - 2639.94' (Meas.)  
NORTH - 2640.00' (G.L.O.)

N89°44'47"W - 2561.33' (Meas.)  
N89°51'13"W - 2640.98' (Meas.)

1.5x3/4" Rebar  
in Sand Dune,  
No Cap

1916 Brass Cap  
1.2" High on  
Steel Post

1916 Brass Cap  
1.6" High, Steel  
Post

1916 Brass Cap  
0.3" High

1916 Brass Cap  
0.5" High, Steel  
Post

Lot 1

Lot 2

Lot 3

Lot 4

NBZ #8ML-31-8-24  
Elev. Ungraded Ground = 5082'

460-ft R

400-ft window

31

UTU-77301  
6/30/2008  
QEP 100.00%

UTU-77301  
6/30/2008  
QEP 100.00%

UTU-76835  
12/31/2007  
QEP 100.00%

UTU-73699  
HBU  
QEP 100.00%

UTU-78029  
12/31/2008  
III Expl 89.87%  
QEP 21.19%

UTU-77301  
6/30/2008  
QEP 100.00%

NBZ 8ML  
420-ft R

31

### **Additional Operator Remarks**

QEP Uinta Basin, Inc. proposes to drill a well to 9000' to test the MesaVerde. 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 QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 and 24 East.

See attached Onshore No. 1

See attached notice of intent to complete into multiple pools.

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

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

NOTICE OF INTENT TO COMPLETE INTO MULTIPLE POOLS

NBZ 8ML-31-8-24

In compliance with the stated objectives of section R649-3-22 of the Utah Administrative Code and the Utah Oil and Gas Conservation Act, Questar Exploration and Production Company hereby requests the commingling of production between intervals in the NBZ 8ML-31-8-24. 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 between the Mesa Verde and Wasatch intervals. As the well is not in a Unit PA and the ownership is the same between formations, production will be reported as combined Mesa Verde / Wasatch production.

This well will be completed using multiple stage hydraulic fracturing. Bridge plugs will be used to isolate completion intervals during fracturing operations and will be drilled up prior to putting the well on production. Mesa Verde and Wasatch intervals will be fractured separately, except where they occur too close together to make isolation unfeasible.

A plat of all contiguous owners will follow along with an affidavit stating that all contiguous owners have been notified and given a 15 day objection period.

I hereby certify that the foregoing is true and correct

A handwritten signature in black ink, appearing to read "Mike Stahl", written in a cursive style.

Mike Stahl  
Completion Engineer  
Questar Exploration & Production

AFFIDAVIT OF NOTICE

STATE OF COLORADO )  
COUNTY OF DENVER ) ss:

Angela Page, being duly sworn, deposes and says:

- 1. That I am employed by Questar Market Resources 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 615-3-22 I have provided a copy of Questar Market Resource's application for completion of the NBZ 8ML-31-8-24 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 Market Resource's application to contiguous owners and to make this affidavit on this 27<sup>th</sup> day of July, 2005.

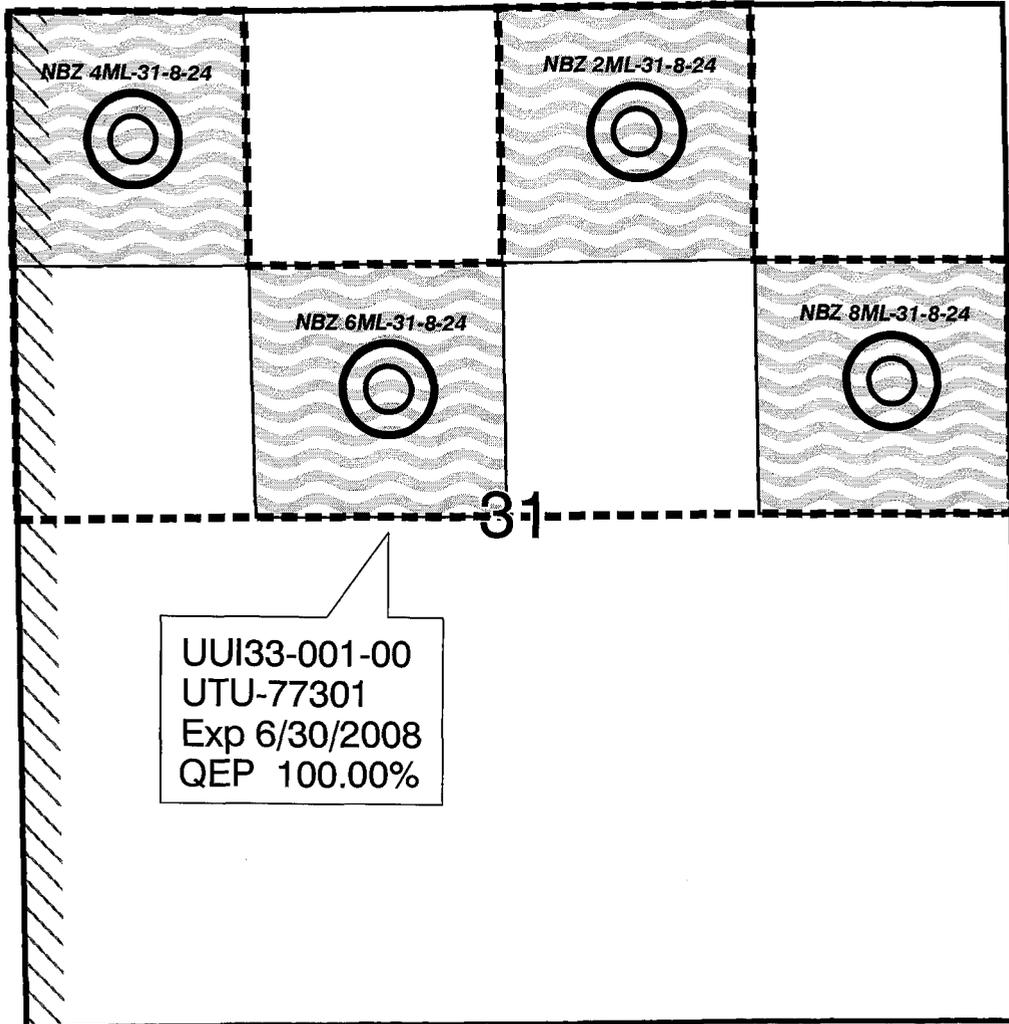
*Angela Page*  
Printed Name: Angela Page

The foregoing instrument was sworn to and subscribed before me this 27<sup>th</sup> day of July, 2005, by Angela Page

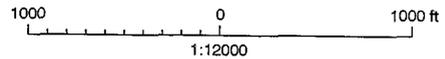
*Heather Lang*  
Notary Public

My Commission Expires 07/08/2008





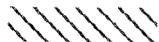
**Sec 31, T8S-R24E**



40-acre pool



Commingled well



Big Valley Unit boundary



Lease line

**Tw / Kmv  
COMMINGLED PRODUCTION**

Uinta Basin—Uintah County, Utah

**Wells: NBZ 2ML-31-8-24,  
NBZ 4ML-31-8-24,  
NBZ 6ML-31-8-24,  
NBZ 8ML-31-8-24**

**Lease: UTU-77301**

**QUESTAR**  
Exploration and  
Production

1050 17th St., # 500 Denver, CO 80202

Geologist: JD Herman

Engineer:

Date: August 16, 2005

Landman: Angela Page

Technician:

05722\maps\Utah maps\Comm 2005\31824.cdr

Qep Uinta Basin, Inc.  
NBZ 8ML-31-8-24

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

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

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<i>Formation</i>	<i>Depth</i>
Uinta	Surface
Green River	1730'
Wasatch	4220'
Mesa Verde	6460'
TD	9000'

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:

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Oil/Gas	Mese Verde	9000'

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 no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

3. Anticipated Bottom Hole Pressures

Maximum anticipated bottom hole pressure equals approximately 3903.0 psi.

**QEP UINTA BASIN, INC.  
NBZ 8ML-31-8-24  
1581' FNL 1233' FEL  
SENE, SECTION 31, T8S, R24E  
UINTAH COUNTY, UTAH  
LEASE # UTU-77301**

**ONSHORE ORDER NO. 1**

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

An onsite inspection was conducted for the NBZ 8ML-31-8-24 on September 22, 2005. Weather conditions were clear and sunny 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	QEP Uinta Basin Inc.

**1. Existing Roads:**

The proposed well site is approximately 34 miles southeast of Vernal, Utah.

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

No improvements will be made to existing access road.

**2. Planned Access Roads:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 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 QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

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

Need to bury pipeline where it crosses flood plain.

QEP requests a surface pipeline based on the following justification included in the attached "Request for Exception".

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

Please see QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

6. **Source of Construction Materials:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

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

Please see QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

8. **Ancillary Facilities:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 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 roads.

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 QEP Uinta Basin, Inc. Standard Operating Practices for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and undesignated fields in Townships 07 and 08 South, Ranges 21 to 24 East.

**Interim Reclamation**

Please see attached Interim Reclamation plan.

Once the well is put onto production, QEP 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 or fall of every year to allow winter precipitation to aid in the success of reclamation.

**Seed Mix:**

*Interim Reclamation:*

6 lbs Hycrest Crested Wheatgrass

6 lbs Indian Rice Grass

*Final Reclamation:*

Seed Mix # 1 3 lbs. Fourwing Saltbush, 4 lbs. Hycrest Crested Wheat Grass, 3 lbs. Indian Rice Grass and 1 lbs. Needle & Thread Grass.

**11. Surface Ownership:**

Bureau of Land Management

170 South 500 East

Vernal, Utah 84078

(435) 781-4400

**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. QEP will provide paleo monitor if needed.

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

There is a Burrowing Owl Stipulation from April 1st to August 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

Please install low water crossing where it crosses major drainage. Keep access road out of flood plain.

**QEP Uinta Basin, Inc.**  
**Request for Exception to Buried Pipeline**  
**for**  
**NBZ 8ML-31-8-24**

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.

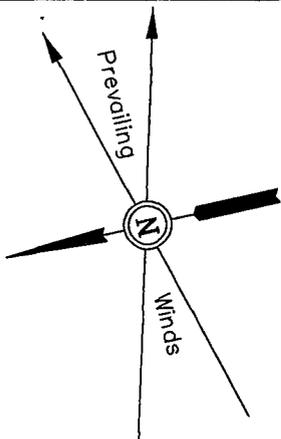
QUESTAR EXPLR. & PROD.

INTERIM RECLAMATION PLAN FOR

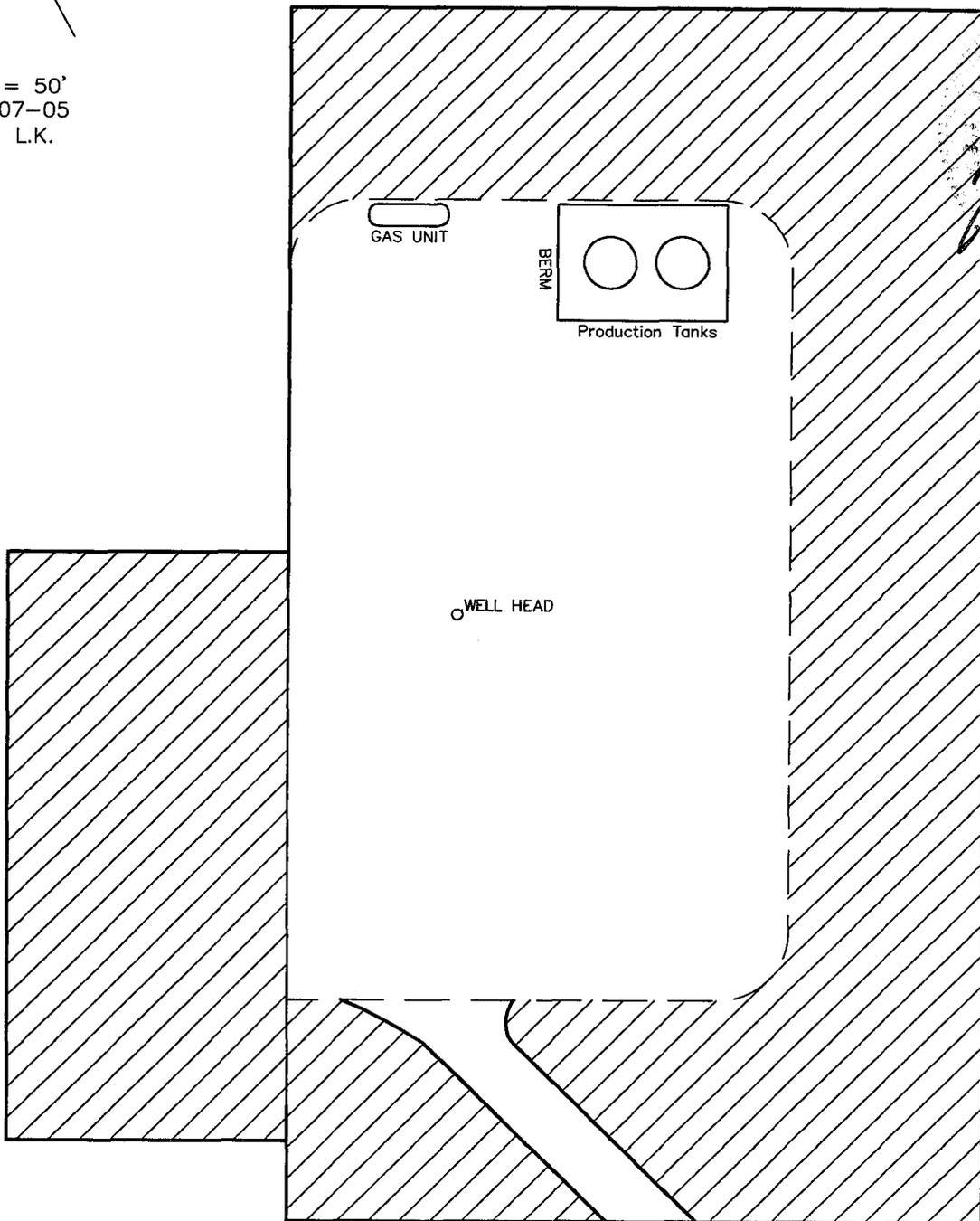
NBZ #8ML-31-8-24

SECTION 31, T8S, R24E, S.L.B.&M.

1581' FNL 1233' FEL



SCALE: 1" = 50'  
DATE: 09-07-05  
Drawn By: L.K.



INTERIM RECLAMATION

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

Jan Nelson  
Red Wash Rep.  
QEP Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, Utah 84078  
(435) 781-4331

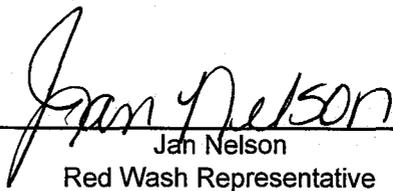
**Certification:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP Uinta Basin Inc. will be fully responsible for the actions of their subcontractors.

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

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. 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

03-Oct-05  
\_\_\_\_\_  
Date

# QUESTAR EXPLR. & PROD.

## NBZ #8ML-31-8-24

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T8S, R24E, S.L.B.&M.

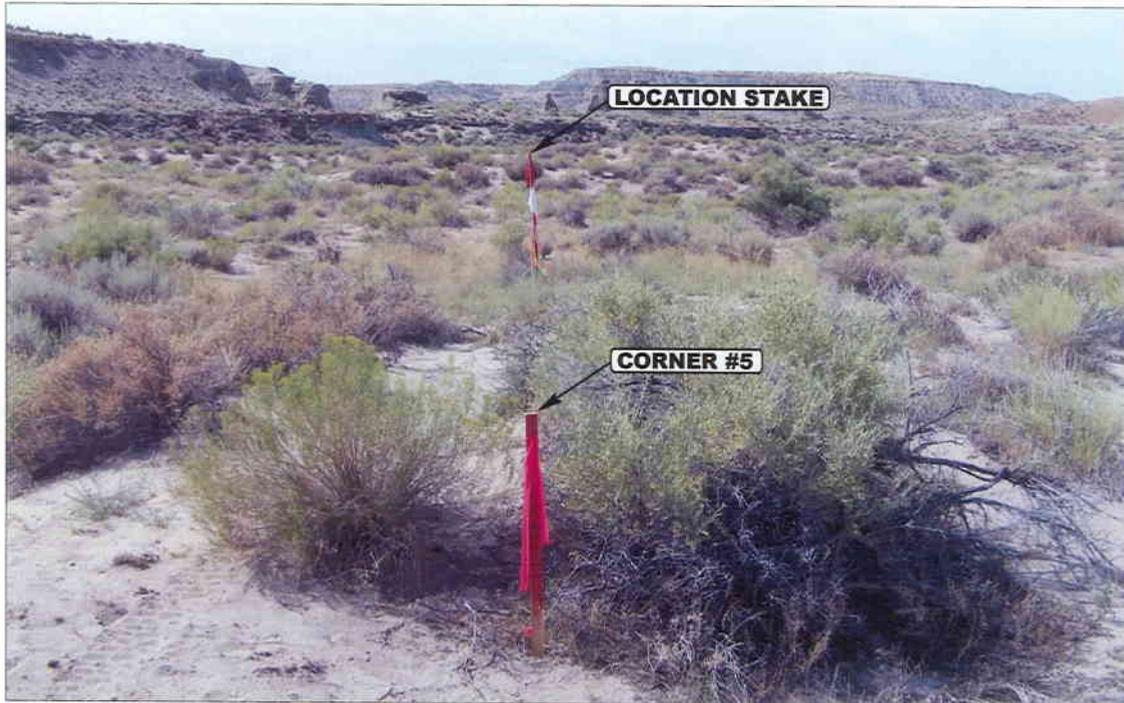


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



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

LOCATION PHOTOS

08 05 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: L.K.

REVISED: 00-00-00

- Since 1964 -

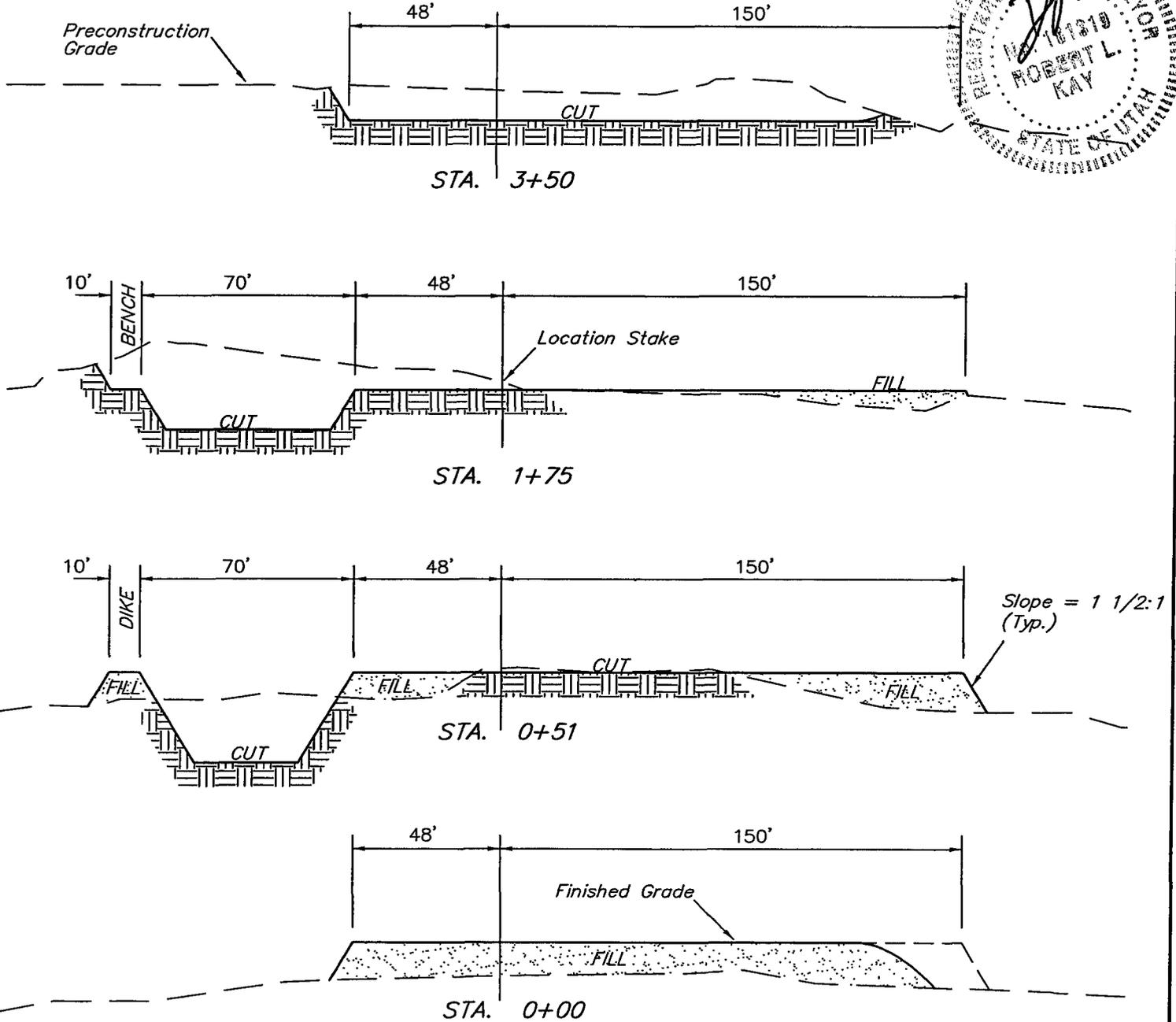
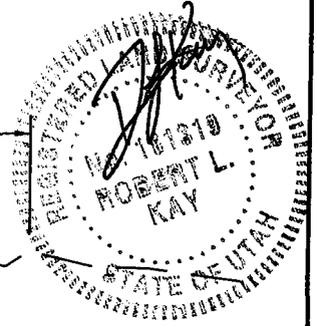


QUESTAR EXPLR. & PROD.

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
 NBZ #8ML-31-8-24  
 SECTION 31, T8S, R24E, S.L.B.&M.  
 1581' FNL 1233' FEL

1" = 20'  
 X-Section Scale  
 1" = 50'  
 DATE: 08-08-05  
 Drawn By: L.K.

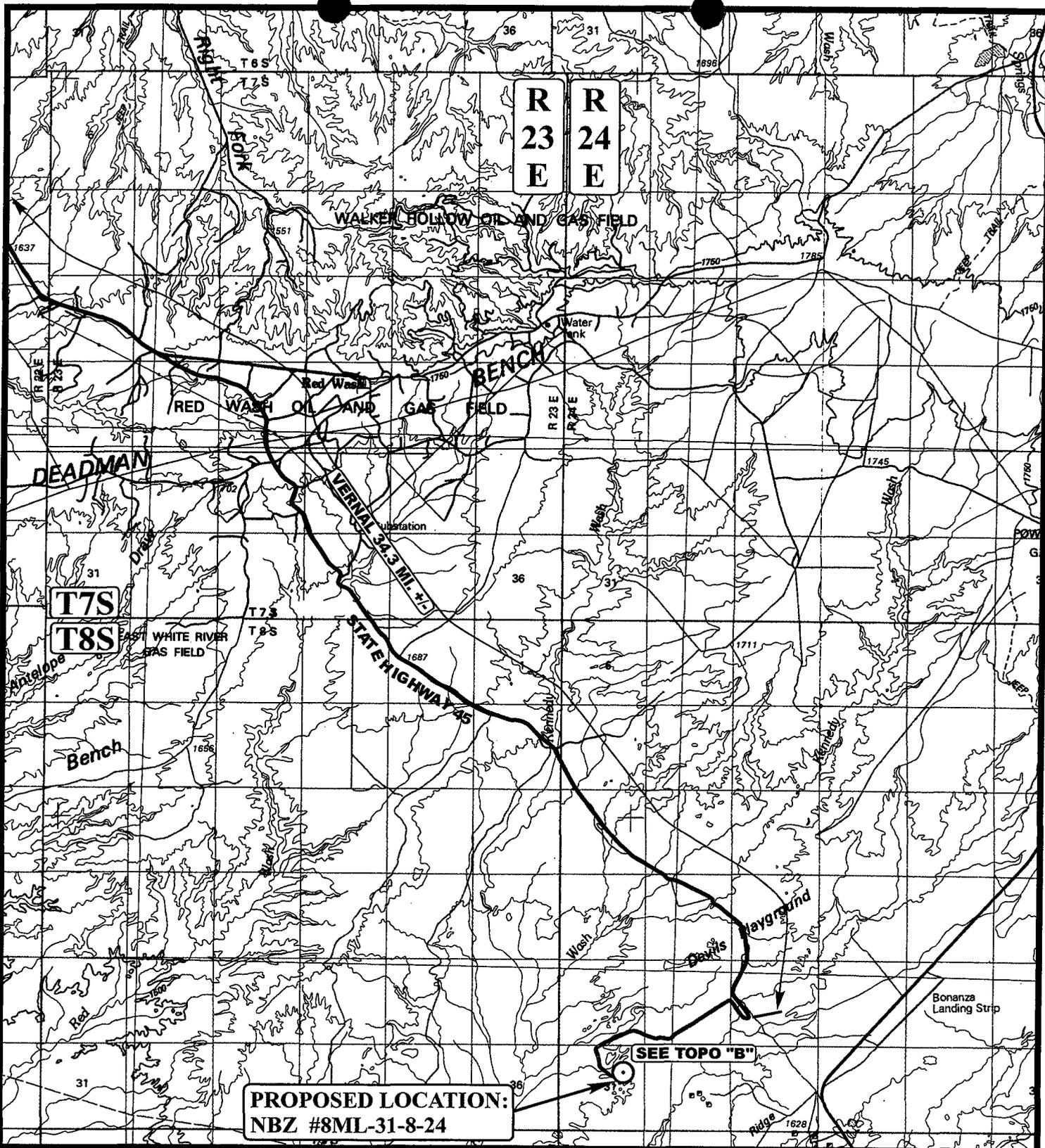


APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 1,700 Cu. Yds.
Remaining Location	= 6,110 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,810 CU.YDS.</b>
<b>FILL</b>	<b>= 3,410 CU.YDS.</b>

\* NOTE:  
 FILL QUANTITY INCLUDES  
 5% FOR COMPACTION  
 Excess Material = 4,400 Cu. Yds.  
 Topsoil & Pit Backfill = 3,140 Cu. Yds.  
 (1/2 Pit Vol.)  
 EXCESS UNBALANCE = 1,260 Cu. Yds.  
 (After Rehabilitation)

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



**PROPOSED LOCATION:  
NBZ #8ML-31-8-24**

SEE TOPO "B"

**LEGEND:**

⊙ PROPOSED LOCATION



**QUESTAR EXPLR. & PROD.**

**NBZ #8ML-31-8-24  
SECTION 31, T8S, R24E, S.L.B.&M.  
1581' FNL 1233' FEL**

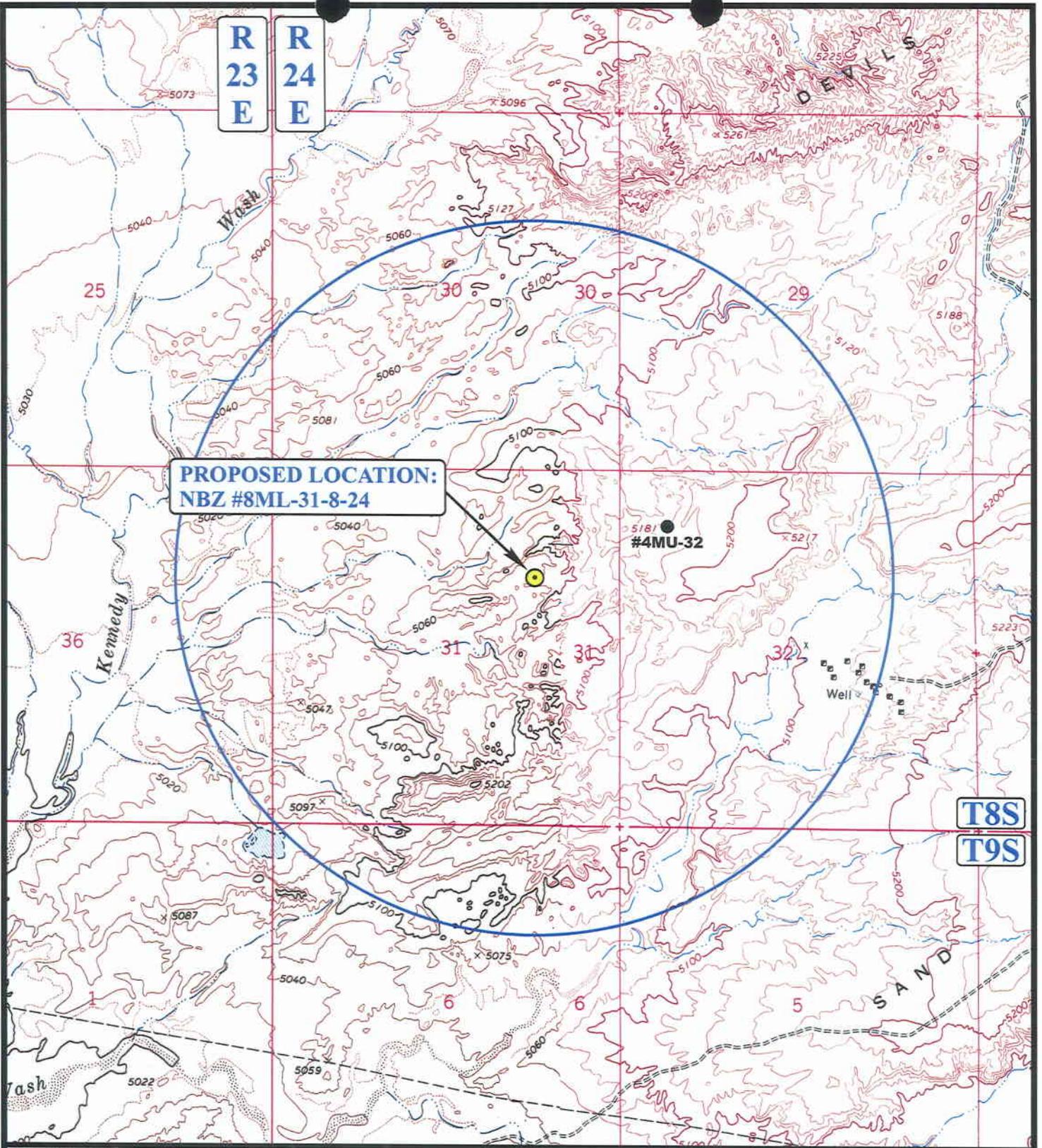


**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 08 05 05  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00







**PROPOSED LOCATION:  
NBZ #8ML-31-8-24**

**LEGEND:**

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

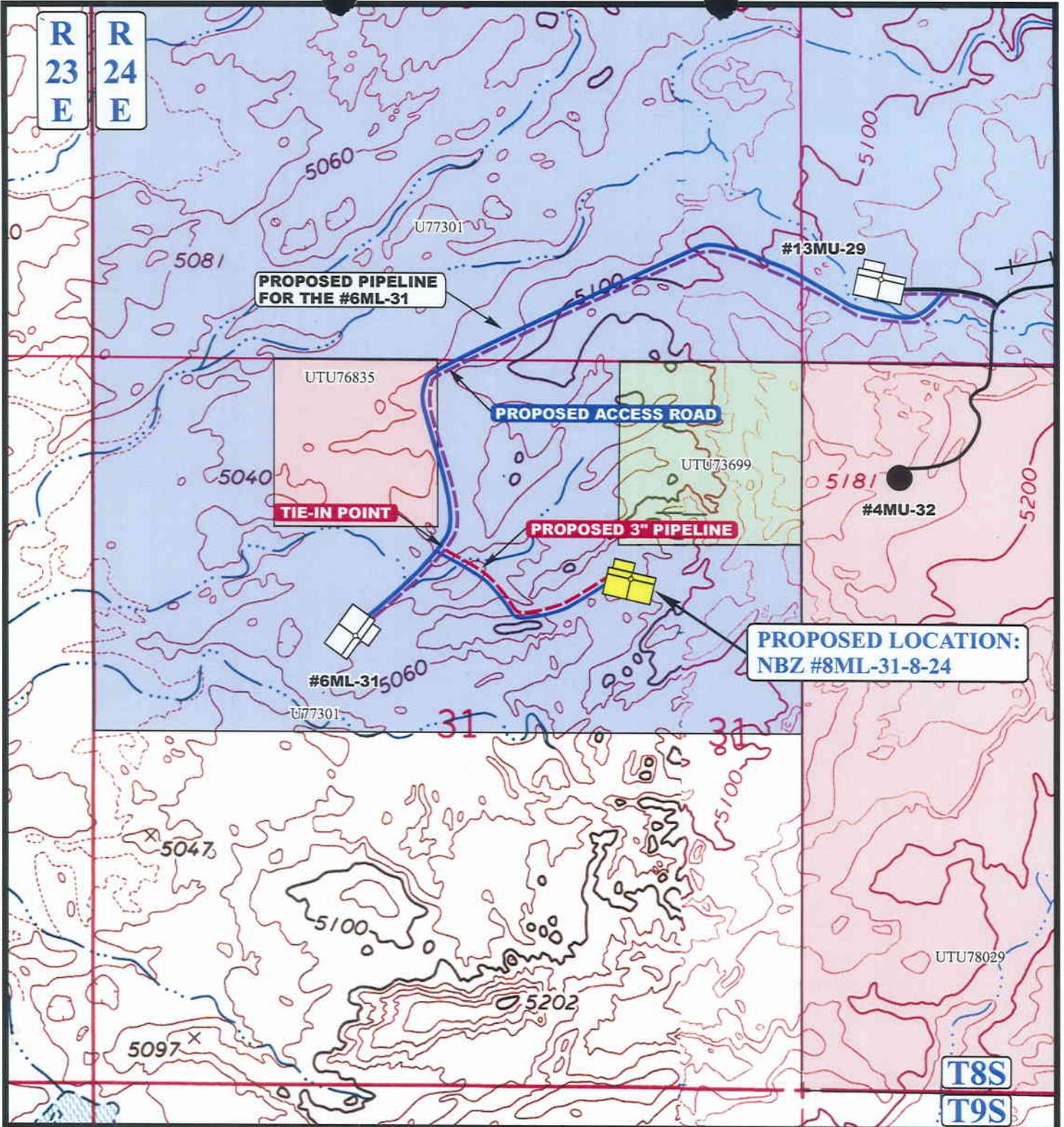
**QUESTAR EXPLR. & PROD.**

**NBZ #8ML-31-8-24**  
**SECTION 31, T8S, R24E, S.L.B.&M.**  
**1581' FNL 1233' FEL**

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



**TOPOGRAPHIC MAP** 08 05 05  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00 **C TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 1500' +/-**

**LEGEND:**

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

**QUESTAR EXPLR. & PROD.**

**NBZ #8ML-31-8-24**  
**SECTION 31, T8S, R24E, S.L.B.&M.**  
**1581' FNL 1233' FEL**



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

**TOPOGRAPHIC MAP** **08 05 05**  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

**D**  
**TOPO**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/05/2005

API NO. ASSIGNED: 43-047-37238

WELL NAME: NBZ 8ML-31-8-24  
 OPERATOR: QEP UINTA BASIN, INC. ( N2460 )  
 CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

SENE 31 080S 240E  
 SURFACE: 1581 FNL 1233 FEL  
 BOTTOM: 1581 FNL 1233 FEL  
 UINTAH  
 UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DLC	10/24/05
Geology		
Surface		

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-77301  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

LATITUDE: 40.08204  
 LONGITUDE: -109.2512

RECEIVED AND/OR REVIEWED:

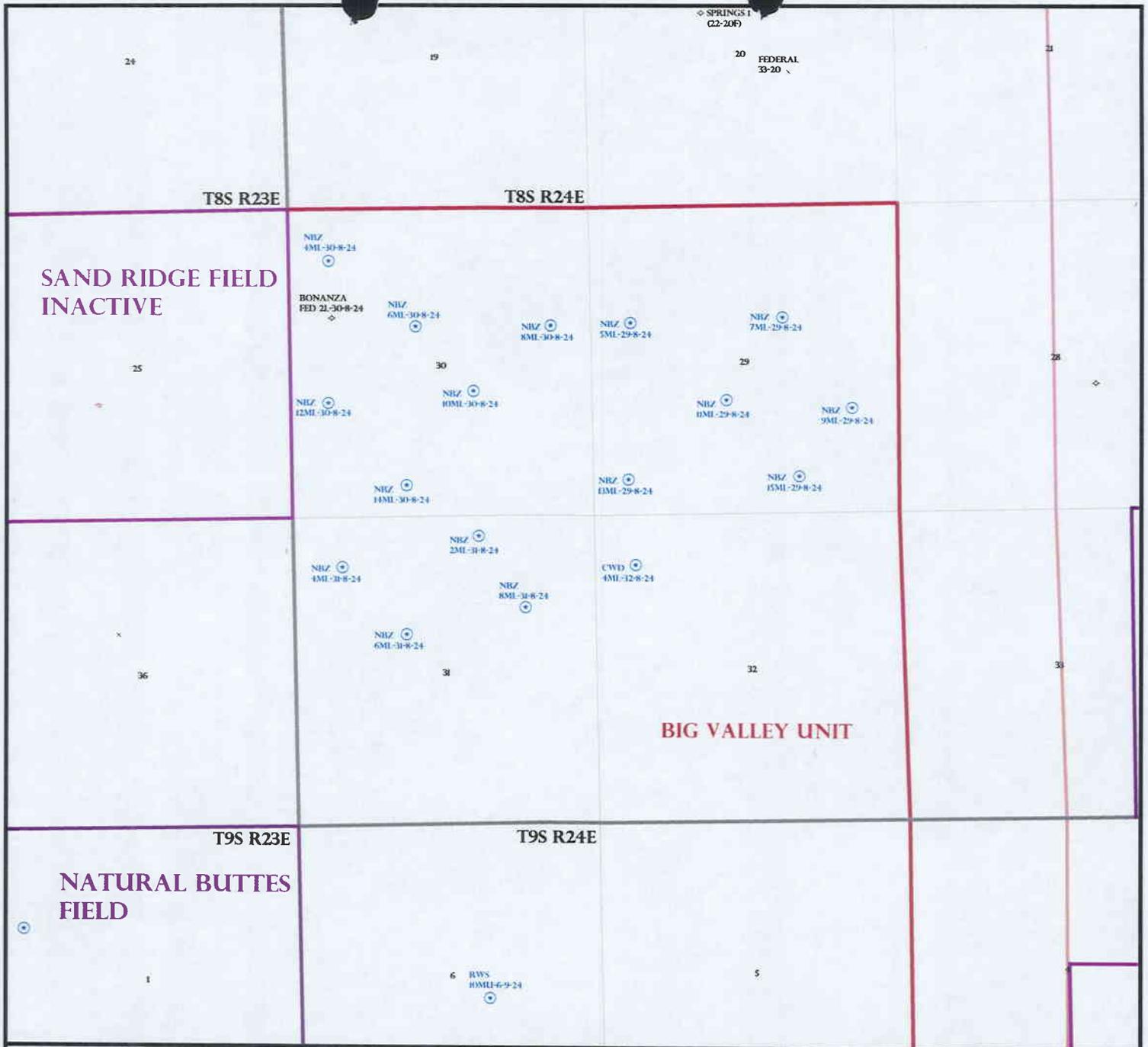
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. ESB000024 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)  
(Wasatch, Masc Verde)

LOCATION AND SITING:

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

COMMENTS: Sup. Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Strip  
3- Comm

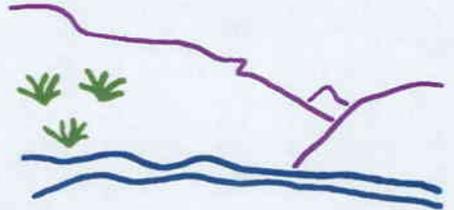


OPERATOR: QEP UINTA BASIN INC (N2460)  
 SEC: 31 T. 8S R. 24E  
 FIELD: UNDESIGNATED (002)  
 COUNTY: UINTAH  
 SPACING: R649-3-3 / EXCEPTION LOCATION

- 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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
 DATE: 11-OCTOBER-2005

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

3160

(UT-922)

October 11, 2005

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District

**From:** Michael Coulthard, Petroleum Engineer

**Subject:** 2005 Plan of Development Big Valley Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Big Valley, Uintah County, Utah.

API#	WELL NAME	LOCATION
43-047-37240	NBZ 11ML-29-8-24	Sec 29 T08S R24E 1949 FSL 2278 FWL
43-047-37237	NBZ 13ML-29-8-24	Sec 29 T08S R24E 0601 FSL 0572 FWL
43-047-37241	NBZ 05ML-29-8-24	Sec 29 T08S R24E 1979 FNL 0661 FWL
43-047-37243	NBZ 07ML-29-8-24	Sec 29 T08S R24E 1926 FNL 2025 FEL
43-047-37244	NBZ 09ML-29-8-24	Sec 29 T08S R24E 1789 FSL 0860 FEL
43-047-37246	NBZ 15ML-29-8-24	Sec 29 T08S R24E 0627 FSL 1784 FEL
43-047-37229	NBZ 04ML-30-8-24	Sec 30 T08S R24E 0859 FNL 0674 FWL
43-047-37230	NBZ 06ML-30-8-24	Sec 30 T08S R24E 1996 FNL 2142 FWL
43-047-37231	NBZ 08ML-30-8-24	Sec 30 T08S R24E 2009 FNL 0714 FEL
43-047-37232	NBZ 10ML-30-8-24	Sec 30 T08S R24E 2158 FSL 2056 FEL
43-047-37233	NBZ 12ML-30-8-24	Sec 30 T08S R24E 1980 FSL 0621 FWL
43-047-37234	NBZ 14ML-30-8-24	Sec 30 T08S R24E 0547 FSL 1938 FWL
43-047-37235	NBZ 06ML-31-8-24	Sec 31 T08S R24E 2021 FNL 1891 FWL
43-047-37236	NBZ 04ML-31-8-24	Sec 31 T08S R24E 0859 FNL 0810 FWL
43-047-37239	NBZ 02ML-31-8-24	Sec 31 T08S R24E 0344 FNL 2015 FEL
43-047-37238	NBZ 08ML-31-8-24	Sec 31 T08S R24E 1581 FNL 1233 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

October 24, 2005

QEP Uinta Basin, INC  
11002 East 17500 South  
Vernal, UT 84078

Re: NBZ 8ML-31-8-24 Well, 1581' FNL, 1233' FEL, SE NE, Sec. 31, T. 8 South,  
R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Administrative approval for commingling the production from the Wasatch formation and the Mesaverde formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

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 43-047-37238.

Sincerely,

Gil Hunt  
Associate Director

mf  
Enclosures

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

Operator: QEP Uinta Basin, INC  
Well Name & Number NBZ 8ML-31-8-24  
API Number: 43-047-37238  
Lease: UTU-77301

Location: SE NE      Sec. 31      T. 8 South      R. 24 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 03 2005  
SUBMIT IN TRIPPLICATE

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

BLM VERNAL, UTAH

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME BIG VALLEY UNIT # UTU-81308X
TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. NBZ 8ML-31-8-24
2. NAME OF OPERATOR QEP UINTA BASIN, INC.	Contact: Jan Nelson E-Mail: jan.nelson@questar.com	9. API NUMBER: 4304737238
3. ADDRESS 11002 E. 17500 S. Vernal, Ut 84078	Telephone number Phone 435-781-4331 Fax 435-781-4323	10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 1581' FNL 1233' FEL SENE, SECTION 31, T8S, R24E At proposed production zone		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC.31 T8S R24E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 34 +/- SOUTHEAST OF VERNAL, UTAH		12. COUNTY OR PARISH Uintah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 1233' +/-		13. STATE UT
16. NO. OF ACRES IN LEASE 1505.46	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft	19. PROPOSED DEPTH 9000'	20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 5081.2' GR	22. DATE WORK WILL START ASAP	23. Estimated duration 10 days

24. Attachments

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

- 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 October 3, 2005

TITLE Regulatory Affairs

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard B. [Signature] TITLE Assistant Field Manager Mineral Resources

\*See Instructions On Reverse Side

DATE 01-27-2006

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

United States any false, fictitious or fraudulent statements or representations as to any mater within its jurisdiction

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

CONFIDENTIAL

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
FEB 06 2006

DIV. OF OIL, GAS & MINING



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

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



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

**Company:** QEP Uinta Basin, Inc. **Location:** SENE, Sec 31, T8S, R24E  
**Well No:** NBZ 8ML-31-8-24 **Lease No:** UTU-77301  
**API No:** 43-047-37238 **Agreement:** Big Valley Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
<b>After hours contact number:</b>	<b>(435) 781-4513</b>	<b>FAX:</b> (435) 781-4410	

**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.

**NOTIFICATION REQUIREMENTS**

- Location Construction (Notify Paul Buhler) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Paul Buhler) - Prior to moving on the drilling rig.
- Spud Notice (Notify PE) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify PE) - 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)**

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.
- A Paleontologist acceptable to the BLM will monitor construction activity for surface disturbing activities described in the APD. If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeded.
- The pipeline shall be buried within the identified construction width of an access corridor that contains the access road and pipelines. The operator may request in writing an exception to this COA. Exceptions to this COA may include but are not limited to: laterally extensive, hard indurated bedrock, such as sandstone, which is at or within 2 feet of the surface; and, soil types with a poor history for successful rehabilitation. The exception request will be reviewed by the authorized officer (AO) and a determination made.
- The buried pipeline exception request has been received. It has been determined that the pipeline route has bedrock exposed at the surface. The exception is granted for a surface pipeline.
- Prior to abandonment of a buried pipeline, the operator will obtain authorization from the appropriate regulatory agency. BLM will determine whether the pipeline and all above ground pipeline facilities shall be removed and unsalvageable materials disposed of at approved sites or abandoned in place. Reshaping and revegetation of disturbed land areas will be completed where necessary.

The following seed mixture shall be used:

Type		lbs./acre
Shadscale	<i>Atriplex confertifolia</i>	3
Fourwing salt bush	<i>Atriplex canescens</i>	3
Galleta grass	<i>Hilaria jamesii</i>	3
Gardners salt brush	<i>Atriplex gardneri</i>	3
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

- Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

## **DOWNHOLE CONDITIONS OF APPROVAL**

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

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- Production casing cement shall be at a minimum of 3000' or shallower.
- A Cement Bond Log shall be run from the production casing shoe to the surface casing shoe.
- **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. 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. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 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) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will 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 must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must 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.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports must 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.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must 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.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 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, will 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) will be submitted only when requested by the BLM, Vernal Field Office.
- **Please submit an electronic copy of all 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. The cement bond log must be submitted in raster format (TIF, PDF other).**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- Oil and gas meters will be calibrated in place prior to any deliveries. The 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 will 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.
- 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.
- This APD is approved subject to the requirement that, 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 ( $\frac{1}{4}$  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 will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
  - 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, will 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.

- 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.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77301
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom hole depth, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
<b>CONFIDENTIAL</b>		7. UNIT or CA AGREEMENT NAME: BIG VALLEY UNIT# UTU-81308X
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: NBZ 8ML-31-8-24	
2. NAME OF OPERATOR: QEP UINTA BASIN, INC	9. API NUMBER: 4304737238	
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-4331	10. FIELD AND POOL, OR WLD/CAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1581' FNL 1233' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 31 8S 24E		COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> 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>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

QEP Uinta Basin, Inc. hereby requests a 1 year extension on the NBZ 8ML-31-8-24

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-24-06  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 10-25-06  
Initials: pm

NAME (PLEASE PRINT) <u>Jan Nelson</u>	TITLE <u>Regulatory Affairs</u>
SIGNATURE <u>[Signature]</u>	DATE <u>10/18/2006</u>

(This space for State use only)

RECEIVED  
OCT 24 2006

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

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

**API:** 43-047-37238  
**Well Name:** NBZ 8ML-31-8-24  
**Location:** 1581' FNL 1233' FEL, SENE, SEC. 31 T8S R24E.  
**Company Permit Issued to:** QEP UINTA BASIN, INC.  
**Date Original Permit Issued:** 10/24/2005

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

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

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

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

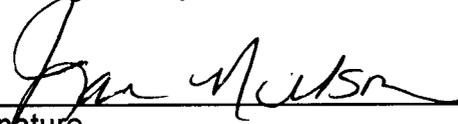
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

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

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

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

  
\_\_\_\_\_  
Signature

10/18/2006  
\_\_\_\_\_  
Date

Title: REGULATORY AFFAIRS

Representing: QEP UINTA BASIN, INC.

RECEIVED

OCT 24 2006

DIV. OF OIL, GAS & MINING

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

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

**1/1/2007**

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

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS: THIS IS A COMPANY NAME CHANGE.**

**SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED**

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
BIG VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWS 3ML-9-9-24	RWS 3ML-9-9-24	NENW	09	090S	240E	4304735483	15190	Federal	GW	S
RWS 10ML-6-9-24	RWS 10ML-6-9-24	NWSE	06	090S	240E	4304735653	15333	Federal	GW	P
CWD 4ML-32-8-24	CWD 4ML-32-8-24	NWNW	32	080S	240E	4304735684	14288	Federal	GW	P
NBZ 4ML-30-8-24	NBZ 4D-30-8-24	NWNW	30	080S	240E	4304737229		Federal	GW	APD
NBZ 6ML-30-8-24	NBZ 6ML-30-8-24	SENE	30	080S	240E	4304737230		Federal	GW	APD
NBZ 8ML-30-8-24	NBZ 8ML-30-8-24	SENE	30	080S	240E	4304737231	15976	Federal	GW	DRL
NBZ 10ML-30-8-24	NBZ 10ML-30-8-24	NWSE	30	080S	240E	4304737232		Federal	GW	APD
NBZ 12ML-30-8-24	NBZ 12D-30-8-24	NWSW	30	080S	240E	4304737233		Federal	GW	APD
NBZ 14ML-30-8-24	NBZ 14ML-30-8-24	SESW	30	080S	240E	4304737234		Federal	GW	APD
NBZ 6ML-31-8-24	NBZ 6D-31-8-24	SENE	31	080S	240E	4304737235		Federal	GW	APD
NBZ 4ML-31-8-24	NBZ 4D-31-8-24	NWNW	31	080S	240E	4304737236		Federal	GW	APD
NBZ 13ML-29-8-24	NBZ 13ML-29-8-24	SWSW	29	080S	240E	4304737237	15954	Federal	GW	DRL
NBZ 8ML-31-8-24	NBZ 8D-31-8-24	SENE	31	080S	240E	4304737238		Federal	GW	APD
NBZ 2ML-31-8-24	NBZ 2ML-31-8-24	NWNE	31	080S	240E	4304737239		Federal	GW	APD
NBZ 11ML-29-8-24	NBZ 11D-29-8-24	NESW	29	080S	240E	4304737240		Federal	GW	APD
NBZ 5ML-29-8-24	NBZ 5D-29-8-24	SWNW	29	080S	240E	4304737241		Federal	GW	APD
NBZ 7ML-29-8-24	NBZ 7ML-29-8-24	SWNE	29	080S	240E	4304737243		Federal	GW	APD
NBZ 9ML-29-8-24	NBZ 9D-29-8-24	NESE	29	080S	240E	4304737244		Federal	GW	APD
NBZ 15ML-29-8-24	NBZ 15ML-29-8-24	SWSE	29	080S	240E	4304737246		Federal	GW	APD
CWD 3ML-32-8-24	CWD 3ML-32-8-24	NENW	32	080S	240E	4304737274		Federal	GW	APD
CWD 8ML-32-8-24	CWD 8ML-32-8-24	SENE	32	080S	240E	4304737275		Federal	GW	APD
CWD 12ML-32-8-24	CWD 12ML-32-8-24	NWSW	32	080S	240E	4304737276	15323	Federal	GW	S
CWD 14ML-32-8-24	CWD 14ML-32-8-24	SESW	32	080S	240E	4304737277		Federal	GW	APD
CWD 16ML-32-8-24	CWD 16D-32-8-24	SESE	32	080S	240E	4304737278		Federal	GW	APD
RWS 2ML-5-9-24	RWS 2ML-5-9-24	NWNE	05	090S	240E	4304737306	15925	Federal	GW	DRL
RWS 8ML-5-9-24	RWS 8D-5-9-24	SENE	05	090S	240E	4304737307		Federal	GW	APD
RWS 10ML-5-9-24	RWS 10ML-5-9-24	NWSE	05	090S	240E	4304737308	15787	Federal	GW	P
RWS 12ML-5-9-24	RWS 12ML-5-9-24	NWSW	05	090S	240E	4304737309	15481	Federal	GW	P
RWS 14ML-5-9-24	RWS 14D-5-9-24	SESW	05	090S	240E	4304737310		Federal	GW	APD
RWS 16ML-5-9-24	RWS 16ML-5-9-24	SESE	05	090S	240E	4304737311		Federal	GW	APD
RWS 12ML-6-9-24	RWS 12ML-6-9-24	NWSW	06	090S	240E	4304737312	15947	Federal	GW	DRL
RWS 16ML-6-9-24	RWS 16ML-6-9-24	SESE	06	090S	240E	4304737335	15788	Federal	GW	DRL
CWD 1ML-32-8-24	CWD 1ML-32-8-24	NENE	32	080S	240E	4304737346		Federal	GW	APD
CWD 10ML-32-8-24	CWD 10D-32-8-24	NWSE	32	080S	240E	4304737347		Federal	GW	APD
RWS 6D-5-9-24	RWS 6D-5-9-24	SENE	05	090S	240E	4304737350		Federal	GW	APD
RWS 4ML-5-9-24	RWS 4ML-5-9-24	NWNW	05	090S	240E	4304737351	16020	Federal	GW	DRL
RWS 8D-6-9-24	RWS 8D-6-9-24	SENE	06	090S	240E	4304737352	15858	Federal	GW	DRL
RWS 2ML-6-9-24	RWS 2D-6-9-24	NWNE	06	090S	240E	4304737411		Federal	GW	APD
RWS 4ML-6-9-24	RWS 4ML-6-9-24	NWNW	06	090S	240E	4304737412	16035	Federal	GW	DRL
RWS 6D-6-9-24	RWS 6D-6-9-24	SENE	06	090S	240E	4304737413	99999	Federal	GW	DRL
RWS 14ML-6-9-24	RWS 14D-6-9-24	SESW	06	090S	240E	4304737414		Federal	GW	APD

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
BIG VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWS 5ML-9-9-24	RWS 5ML-9-9-24	SWNW	09	090S	240E	4304738645		Federal	GW	APD
RWS 12ML-9-9-24	RWS 12ML-9-9-24	NWSW	09	090S	240E	4304738646		Federal	GW	APD

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

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

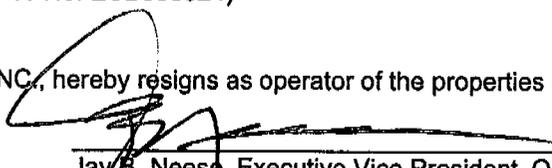
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

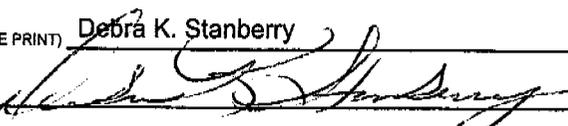
Fee Land Bond Number: 965003033

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

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

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

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

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

(This space for State use only)

**RECEIVED**

**APR 19 2007**

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

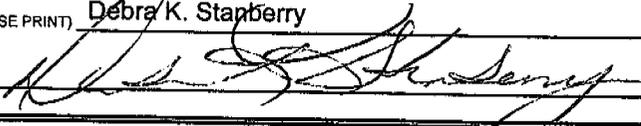
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR 1050 17th Street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

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

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

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

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

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

(This space for State use only)

RECEIVED  
APR 19 2007  
DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

April 23, 2007

Questar Exploration and Production Company  
1050 17th Street, Suite 500  
Denver, Colorado 80265

Re: Big Valley Unit  
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Big Valley Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Big Valley Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Big Valley Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
File - Big Valley Unit (w/enclosure)  
Agr. Sec. Chron  
Reading File  
Central Files

UT922:TAThompson:tt:4/23/07

RECEIVED

APR 30 2007

DIV. OF OIL, GAS, & MINING



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

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

**API:** 43-047-37238  
**Well Name:** NBZ 8ML-31-8-24  
**Location:** 1581' FNL 1233' FEL, SENE, SEC. 31, T8S, R24E  
**Company Permit Issued to:** QEP UINTA BASIN, INC.  
**Date Original Permit Issued:** 1/27/2006

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

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

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

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

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

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

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

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

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

*Naura Bills*  
Signature

1/23/2007  
Date

Title: REGULATORY ASSISTANT

Representing: QEP UINTA BASIN, INC.

**RECEIVED**  
**MAR 05 2007**  
DIV. OF OIL, GAS & MINING

# CONDITIONS OF APPROVAL

## QEP Uintah Basin, Inc.

### Notice of Intent APD Extension

**Lease:** UTU-77301  
**Well:** NBZ 8ML-31-8-24  
**Location:** SENE Sec 31-T8S-R24E

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

- 
1. The extension and APD shall expire on <sup>1/27/08</sup>~~2/6/08~~.
  2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

RECEIVED  
MAR 05 2007  
DIV. OF OIL, GAS & MINING

Form 3160-5 (November 1994)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT <b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <i>Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>	FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996
		5. Lease Serial No. UTU-77301
		6. If Indian, Allottee or Tribe Name N/A

<b>SUBMIT IN TRIPLICATE - Other Instructions on reverse side</b>		7. If Unit or CA/Agreement, Name and/or No. BIG VALLEY UNIT UTU-81308X
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. NBZ 8ML-31-8-24
2. Name of Operator Questar Exploration & Production Co.      Contact: Jan Nelson		9. API Well No. 43-047-37238
3a. Address 1571 East 1700 South      Vernal, Utah      84078	3b. Phone No. (include area code) 435-781-4032	10. Field and Pool, or Exploratory Area UNDESIGNATED
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1581' FNL 1233' FEL, SENE. SECTION 31, T8S, R24E		11. County or Parish, State UINTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<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 type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Name Change</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed 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 deepen the well from the approved total depth of 9,000' to 13,325'. The proposed changes require a change in casing design and cement design. Attached is a new 8-point Drilling Plan showing the proposed changes.

Questar E & P also proposes to change the well name from NBZ 8ML-31-8-24 to NBZ 8D-31-8-24.

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

Date: 07-30-07  
By: [Signature]

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Jan Nelson	Title Regulatory Affairs
Signature <u>[Signature]</u>	Date July 30, 2007

<b>THIS SPACE FOR FEDERAL OR STATE USE</b>		
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)*

COPIES SENT TO OPERATOR  
Date: 7-31-07  
Initials: Rm

DRILLING PROGRAM

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

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

1. **Formation Tops**

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1,604'
Wasatch	4,317'
Mesaverde	5,867'
Sego	7,979'
Castlegate	8,144'
Mancos	8,615'
Dakota	12,769'
TD	13,325'

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	4,317'
Gas	Mesaverde	5,867'
Gas	Mancos	8,615'
Gas	Dakota	12,769'

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

DRILLING PROGRAM

Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

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

- A. 5,000 psi double gate and 5,000 psi annular BOP (schematic attached) to 8,750' 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 5M 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	2,200'	36.0	J-55	STC	New
8-3/4"	7"	sfc	8,750'	26.0	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	12,800'	13.5	P-110	LTC	New
6-1/8"	4-1/2"	sfc	13,325'	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: 1.10  
TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot  
Maximum anticipated mud weight: 13.7 ppg  
Maximum surface treating pressure: 8,800 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 13.7 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: Dakota, Mancos, Mesaverde, Wasatch intervals, 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 – 2,200' (MD)**

**Lead/Tail Slurry:** 0' – 2,200'. 760 sks (1375 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft<sup>3</sup>/sk, Slurry volume: 12-1/4" hole + 100% excess.

**7" Intermediate Casing: sfc - 8,750' (MD)**

**Lead Slurry:** 0' – 4,000'. 185 sks (710 cu ft) Halliburton Hi-Fill cement + 0.125 lb/sk Poly-E-Flake. Slurry wt: 11.0 ppg, Slurry yield: 3.84 ft<sup>3</sup>/sk, Slurry volume: 8-3/4" hole + 25% excess in open hole section.

**Tail Slurry:** 4,000' – 8,750'. 720 sks (895 cu ft) 50/50 Poz Premium + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.125 lb/sk Poly-E-Flake. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft<sup>3</sup>/sk, Slurry volume: 8-3/4" hole + 25% excess.

**4-1/2" Production Casing: sfc - 13,325' (MD)**

**Lead/Tail Slurry:** 4,000' - 13,325'. 855 sks (1325 cu ft) 50/50 Poz Premium cement + 20% SSA-1 + 3 lb/sk Silicalite Compacted + 0.5% Halad(R)-344 + 0.2% Halad(R)-413 + 0.2% HR-12 + 0.2% Super CBL + 0.2% Suspend HT. Slurry wt: 14.0 ppg, Slurry yield: 1.55 ft<sup>3</sup>/sk, Slurry volume: 6-1/8" hole + 20% excess in open hole section.

\*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate string and 4,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

DRILLING PROGRAM

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

No abnormal temperatures or pressures are anticipated. No 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 9,500 psi. Maximum anticipated bottom hole temperature is 255° F.

5M BOP STACK

11" Rotating Head

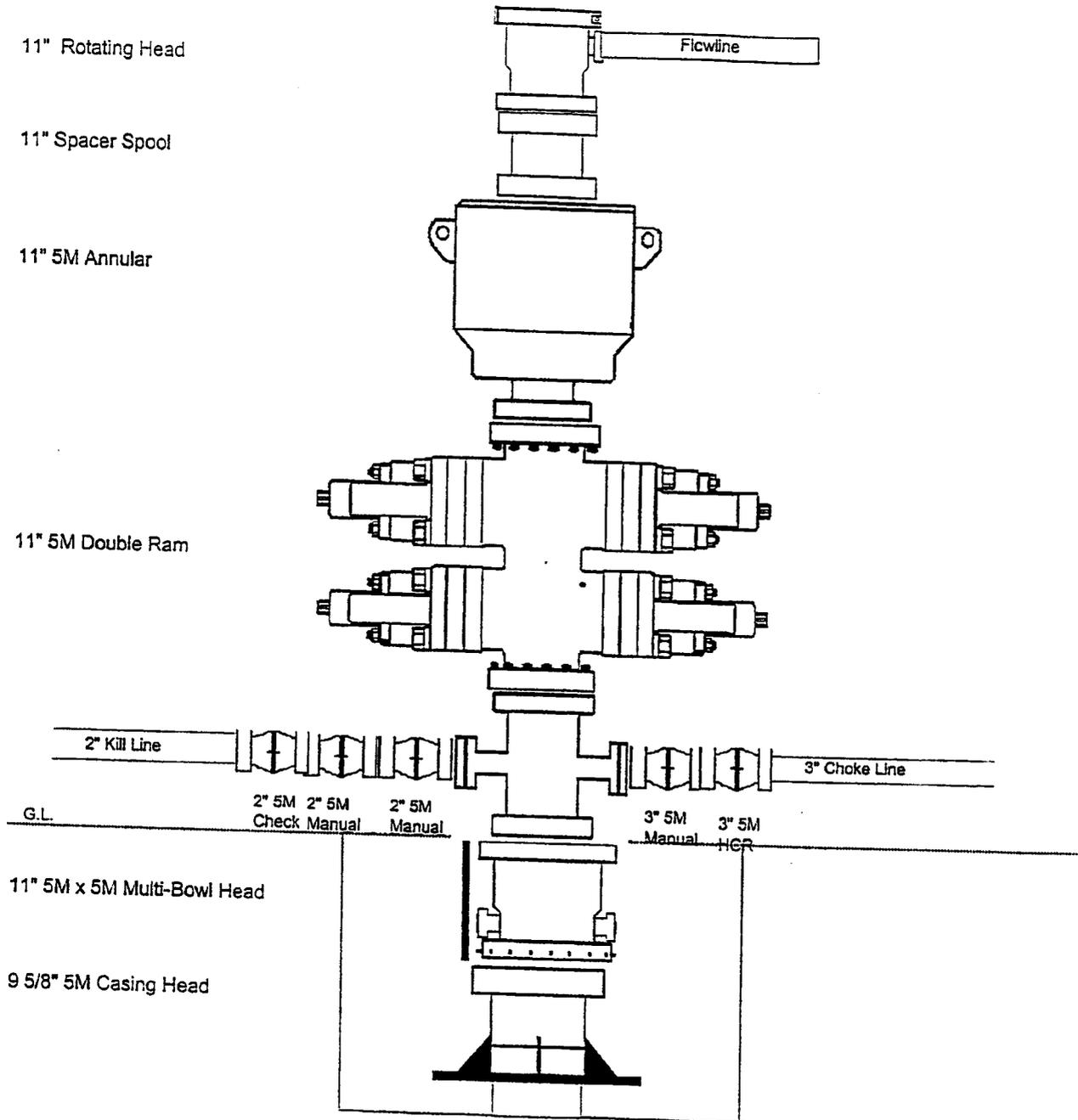
11" Spacer Spool

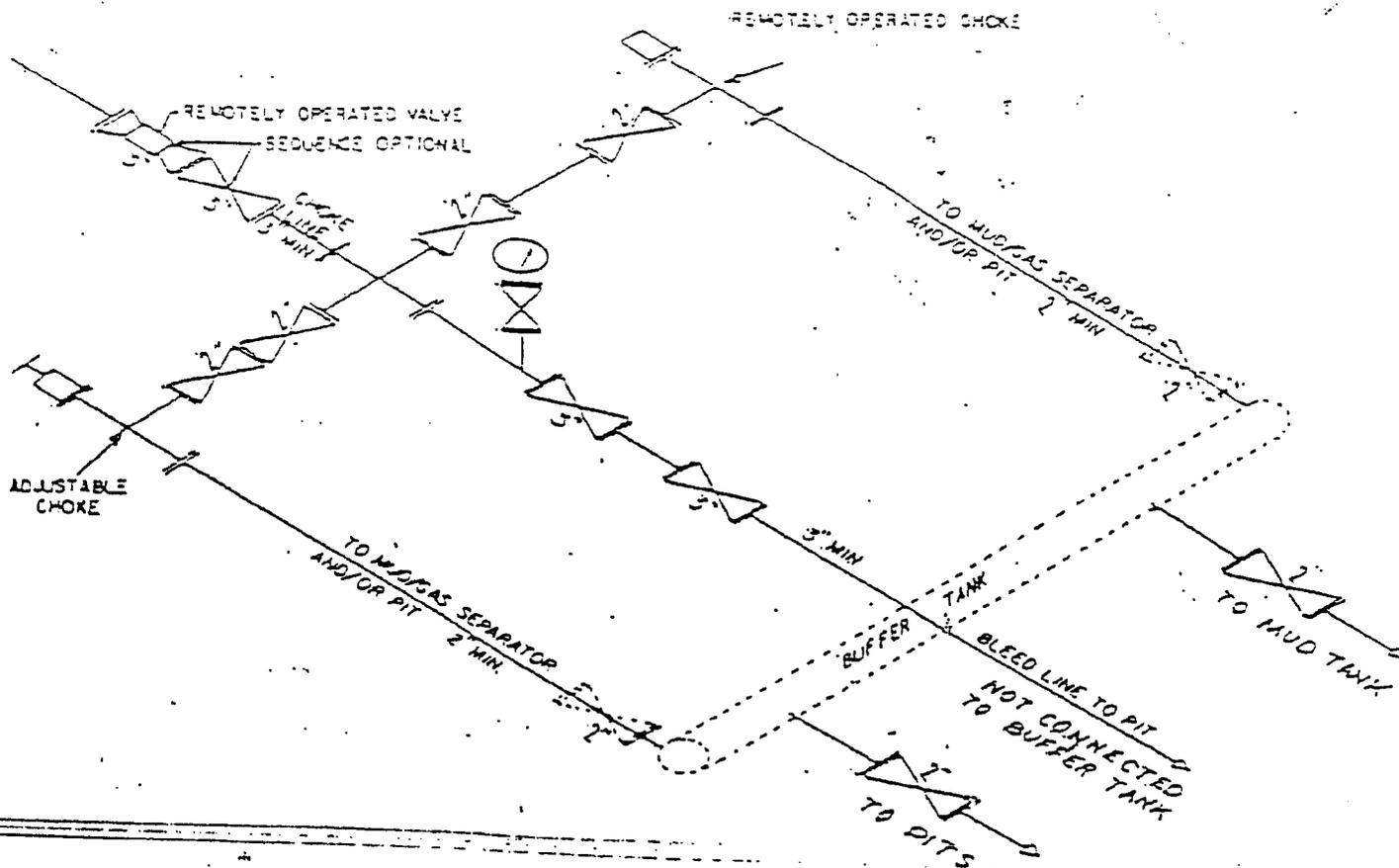
11" 5M Annular

11" 5M Double Ram

11" 5M x 5M Multi-Bowl Head

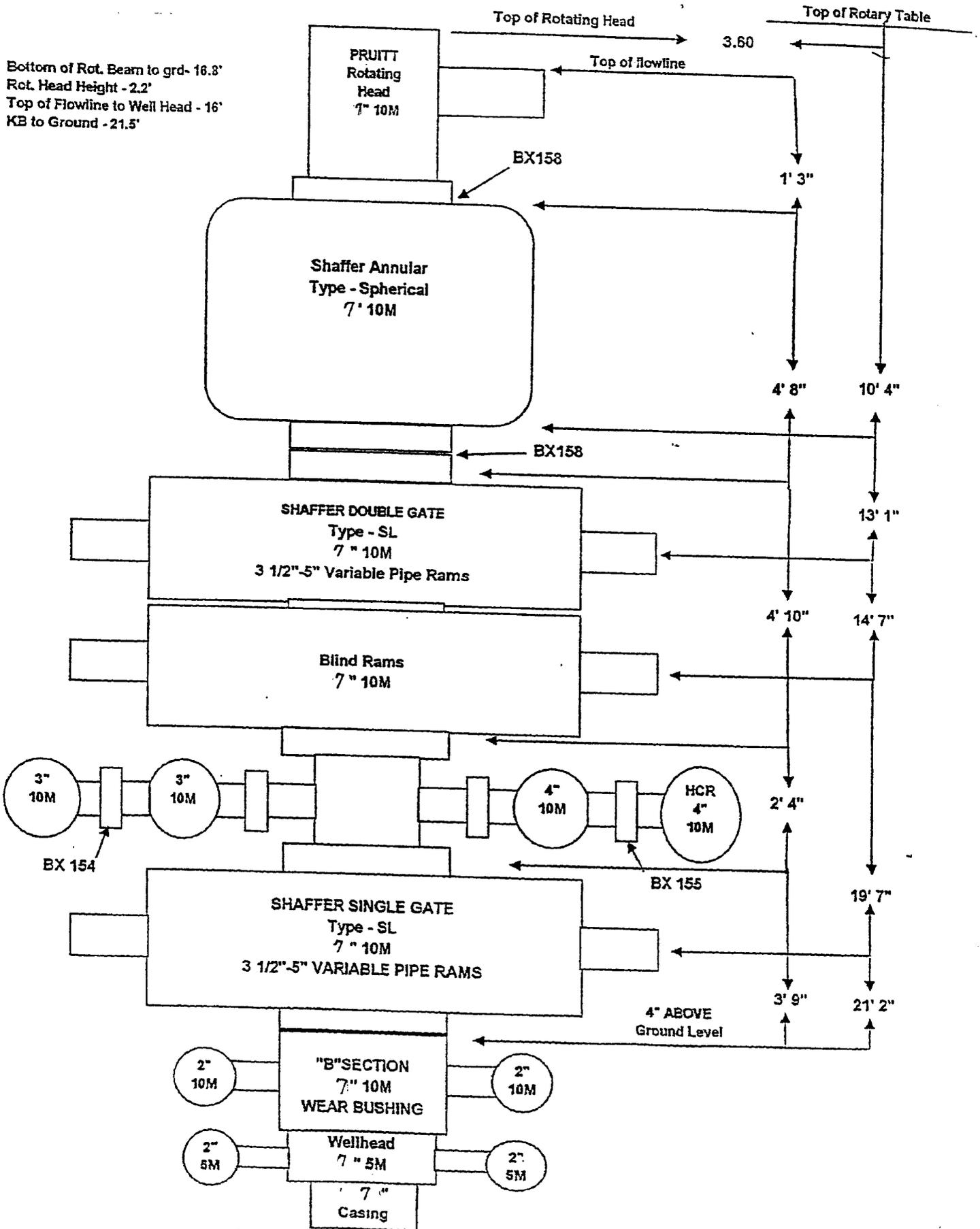
9 5/8" 5M Casing Head



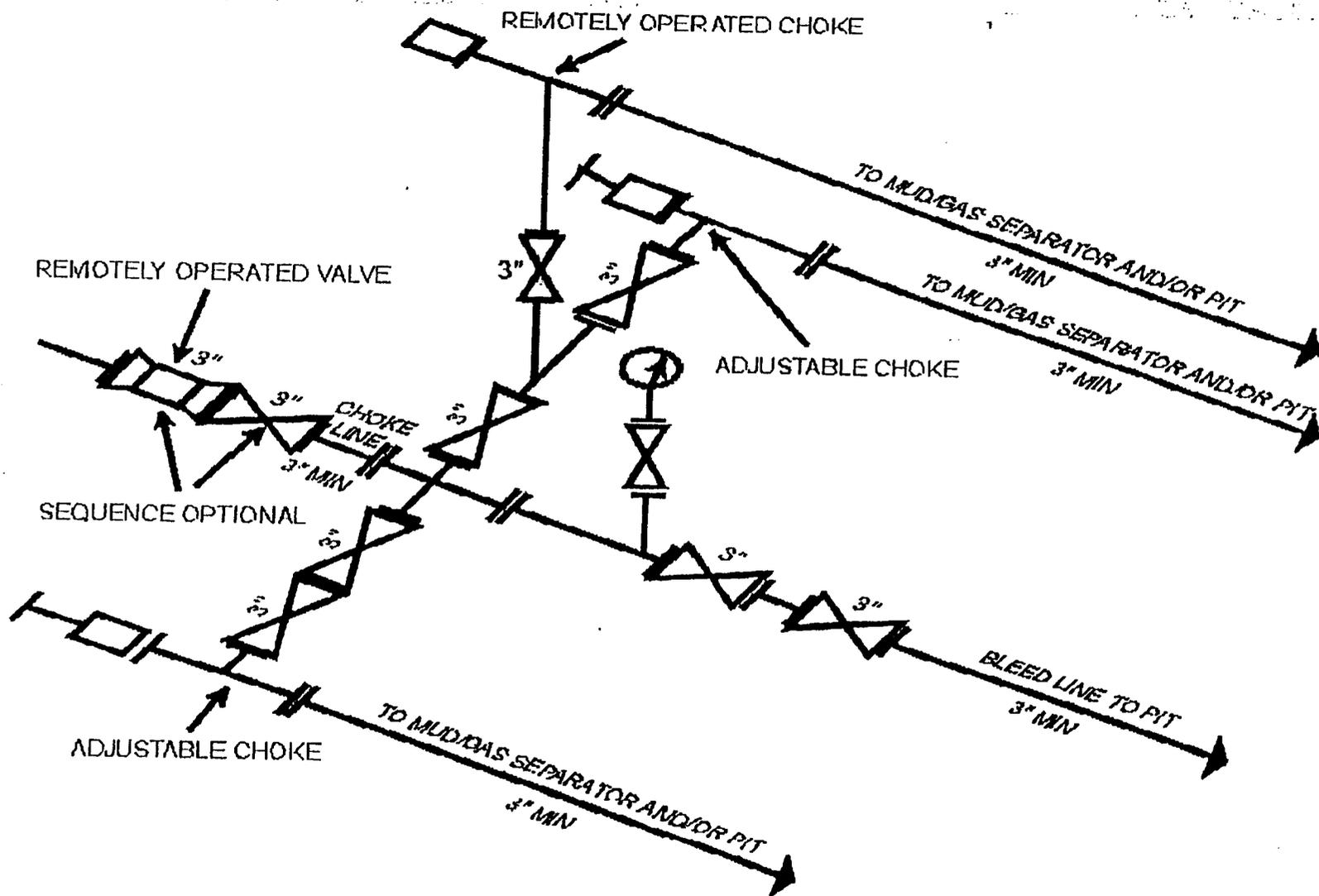


② SM CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

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



Attachment I. Diagrams of Choke Manifold Equipment



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

[54 FR 39528, Sept. 27, 1989]

Last Updated March 25, 1997 by John Broderick

OPERATOR: **Questar Exploration & Production Co.**  
 ADDRESS: **11002 East 17500 South**  
**Vernal, Utah 84078-8526 (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	14368	43-047-37238	NBZ 8D 31 8 24	SENE	31	8S	24E	Uintah	8/27/07	9/25/07

WELL 1 COMMENTS:

DKTA

CONFIDENTIAL

WELL 2 COMMENTS:

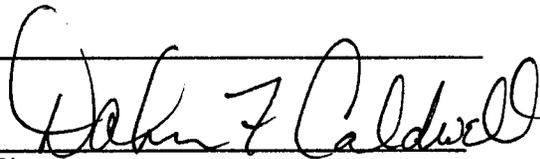
WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

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

  
 Signature

Office Administrator II      8/27/07  
 Title      Date

Phone No. (435)781-4342

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

(3/89)

RECEIVED

AUG 31 2007

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

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 CO.**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1581' FNL, 1233' FEL, SENE, SEC 31-T8S-R24E**

**CONFIDENTIAL**

5. Lease Designation and Serial No.  
**UTU-77301**

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

7. If Unit or CA, Agreement Designation  
**BIG VALLEY UNIT  
 #UTU-81308X**

8. Well Name and No.  
**NBZ 8D 31 8 24**

9. API Well No.  
**43-047-37238**

10. Field and Pool, or Exploratory Area  
**UNDESIGNATED**

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

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)  
**On 8/27/07 - Drilled 17-1/2" conductor hole to 40'. Set 40' of 14" conductor pipe. Cmtd w/ Ready Mix.**

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

**RECEIVED**  
**AUG 31 2007**

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

14. I hereby certify that the foregoing is true and correct.  
Signed **Dahn F. Caldwell** *Dahn F. Caldwell* **Office Administrator II** Date **8/27/2007**

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

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

**CONFIDENTIAL**

# CONFIDENTIAL

43-047-37238

31 8s 2Ae

Questar E & P						Page 1 of 4
Operations Summary Report						
Well Name: NBZ 8D-31-8-24			Spud Date: 8/31/2007			
Location: 31-8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/30/2007	06:00 - 00:00	18.00	LOC	3	MIRU	
	00:00 - 05:00	5.00	DRL	1	DRILLED 0 / 1190'	
	05:00 - 06:00	1.00	TRP	10	BIT TRIP	
8/31/2007	06:00 - 20:30	14.50	DRL	1	DRILL 1190' / 1820' - WATER FLOW @ 1630'	
	20:30 - 01:30	5.00	TRP	10	BIT TRIP	
	01:30 - 06:00	4.50			DRILL 1820' / 1990'	
9/1/2007	06:00 - 13:00	7.00	DRL	1	DRILL 1990' / 2260'	
	13:00 - 14:00	1.00	TRP	3	L.D.D.P.	
	14:00 - 16:30	2.50	CSG	2	RAN 2210' 9 5/8" 36# CASING	
	16:30 - 17:00	0.50	CMT	2	CEMENT CASING 760 SKS. CLASS G	
	17:00 - 06:00	13.00	LOC	8	R/D & RELEASE RIG	
9/11/2007	06:00 - 19:00	13.00	LOC	3	MOVE IN RIG 90% MOVED IN - SET MAT BOARDS / SUB BASE / INSTAL SPREADER BEAMS ON SUB	
					NOTIFIED CLIFF JOHNSON BLM OF MOVING ON LOCATION	
	19:00 - 06:00	11.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT	
9/12/2007	06:00 - 18:00	12.00	LOC	4	R/U RIG 35% - REPAIR DWKS BRAKES & DRUM - BREAK DOWN DERRICK FOR INSPECTION - TRUCKS RELEASED @ 1700 HR.	
	18:00 - 06:00	12.00	LOC	4	RIG IDLE WAITING ON DAYLIGHT	
9/13/2007	06:00 - 18:00	12.00	LOC	4	RIG UP 45%- SAND BLAST PIN POCKETS ON DERRICK,A-LEGS,DERRICK SHOES, DEAD-MAN ACHOR,CROWN AND CRAZE WHEEL. MAGNA FLUX SAME.- CHANGED OUT BREAK FLANGES ON DWKS. CHANGED RADIATOR ON # 2 PUMP MOTOR AND WORK ON ACHORS FOR NEW FLARE LINES	
	18:00 - 06:00	12.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT	
9/14/2007	06:00 - 18:00	12.00	LOC	4	RIG UP - PUT DWKS BACK TOGETHER,PRIMER AND PAINT SPOT ON DERRICK THAT WAS CHECKED, HELP WELDERS BUILD FLARE LINE ACHORS AND PUT FLARE LINE TOGETHER.	
	06:00 - 18:00	12.00	LOC	4	RIG UP - 70% - PUT DERRICK BACK TOGETHER AFTER INSPECTIONAND FINISH SETTING RIG IN - FLARE BOX AND BAR HOPPERS	
9/15/2007	06:00 - 18:00	12.00	LOC	4	RIG IDLE - WAIT ON DAYLIGHT	
9/16/2007	06:00 - 06:00	24.00	LOC	4	RIG UP - 100%- STRING UP BLOCKS, PREPARE DERRICK TO RAISE,BURN IN NEW BREAK PADS, RAISE DERRICK, RIG UP FLOOR AND ROTARY TOOLS, KELLY AND SWIVELAND FINIISH UP WITH FLARE LINES AND ANCHORS	
9/17/2007	06:00 - 10:00	4.00	WHD	1	CUT OFF CASING AND CONDUCTOR AND WELD ON 9 5/8 WELL HEAD AND TEST TO 1000 PSI	
	10:00 - 11:00	1.00	WHD	1	LET WELL HEAD COOL DOWN	
	11:00 - 00:30	13.50	BOP	1	NIPPLE UP 5M BOPS, NIPPLE UP BOTH SIDES MANUAL VALVES, CHOKE HOSE & WELD FLOW TO FIT ROTATING HEAD.	
	00:30 - 01:30	1.00	BOP	1	TORQUE UP KELLY F/ TESTING	
	01:30 - 06:00	4.50	BOP	2	TEST BOPS- TEST KELLY VALVES LOW (250 PSI) 5 MIN HIGH ( 5000 PSI) 10 MIN- FLOOR VALVES, PIPE RAMS, BLIND RAMS, MANUAL VALVES, HCR, AND CHOKE MANIFOLD, (250 PSI) LOW 5 MIN ( 5000 PSI) HIGH 10 MIN.- ANNULAR (250 PSI ) LOW 5 MIN ( 3500 PSI ) HIGH 10 MIN	
9/18/2007	06:00 - 07:00	1.00	EQT	1	PUMP UP AND TEST CASING (1500 PSI ) 15 MIN	
	07:00 - 08:00	1.00	BOP	1	INSTALL WEAR BUSHING	
	08:00 - 11:00	3.00			STRAP BHAAND CLEAN UP SUB AND FLOOR AFTER NIPPLE UP AND TEST	
	11:00 - 16:00	5.00	RIG	2	REPAIR DWKS BRAKES WOULD NOT MOVE BLOCKS WITHOUT REVERSE BLOCK DOWN. ADJUSTED AND AND CHANGE THE SPRING PLACEMENT.	
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
	16:30 - 22:00	5.50	TRP	1	PICK UP 8 3/4- 504 ZX, SQUARE MOTOR, BHA AND 4 1/2 DP.	
	22:00 - 22:30	0.50			LEVEL DERRICK	
	22:30 - 01:30	3.00	TRP	3	CONTINUE PICKING UP 4 1/2 DP	
	01:30 - 04:00	2.50	RIG	2	RIG REPAIR- WORK ON CATHEAD MAKEUP SIDE THE CHAIN WILL SUCK IN	

Printed: 10/4/2007 1:02:15 PM

RECEIVED

OCT 05 2007

DIV. OF OIL, GAS & MINING

Questar E & P  
**Operations Summary Report**

Well Name: NBZ 8D-31-8-24  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/18/2007	01:30 - 04:00	2.50	RIG	2	THE CATHEAD AT A FAST RATE OF SPEED WITH OUT USING THE LEVER SHUT DOWN TO FIX ALLSO THE KELLY SPINNERS NOT WORKING. GOT KELLY SPINNERS WORKING	
	04:00 - 05:00	1.00			LEVEL DERRICK	
9/19/2007	05:00 - 06:00	1.00	BOP	1	INSTALL ROTATING RUBBER AND OILER LINES	
	06:00 - 06:30	0.50			TEST PUMPS & R/U WIRE LINE MACHINE	
	06:30 - 07:00	0.50	RIG	1	RIG SERVICE	
	07:00 - 10:00	3.00	DRL	1	TAG UP CEMENT @ 2165 DRLG CEMENT F/ 21650- 2260- FLOAT COLLAR @ 2181 & SHOE @ 2225	
	10:00 - 11:00	1.00	DRL	1	DRLG F/ 2260 - 2273- PUMP SWEEP	
	11:00 - 11:30	0.50	EQT	2	FIT TEST - F/11.6 PPG - W/ 8.3 PPG- PUMPED UP 400 PSI BLED BACK TO 377 PSI IN 15MIN.- MUD EQUIV. TO 11.46 PPG	
	11:30 - 12:00	0.50	SUR	1	WIRE LINE SURVEY- @ 2194 INC. 3.0	
	12:00 - 17:00	5.00	DRL	1	DRLG F/ 2273-2425	
	17:00 - 17:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2360 INC. 3.2	
	17:30 - 05:00	11.50	DRL	1	DRLG F/ 2425- 2867	
9/20/2007	05:00 - 05:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2797	
	05:30 - 06:00	0.50	DRL	1	DRLG F/2867-2898	
	06:00 - 10:00	4.00	DRL	1	DRLG F/ 2898 - 3054	
	10:00 - 10:30	0.50	DRL	1	WORK ON PUMPS	
	10:30 - 11:00	0.50	DRL	1	DRLG F/ 3054 -3086	
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE - CHANGE OUT AIR MOTOR F/ AUTO DRILLER AND PUMP UP WT. INDACATOR.	
	11:30 - 16:00	4.50	DRL	1	DRLG F/ DRLG F/ 3086 - 3366	
	16:00 - 17:00	1.00	SUR	1	CIRC & SURVEY @ 3251 INC. 2.2	
	17:00 - 01:30	8.50	DRL	1	DRLG F/ 3366-3926	
	01:30 - 02:30	1.00	SUR	1	CIRC & SURVEY @ 3856 2.3	
9/21/2007	02:30 - 06:00	3.50	DRL	1	DRLG F/ 3926-4130	
	06:00 - 11:30	5.50	DRL	1	DRLG F/ 4130-4425	
	11:30 - 12:30	1.00	SUR	1	CIRC & SURVEY- @ 4349 2.0 INC	
	12:30 - 15:30	3.00	DRL	1	DRLG F/ 4425- 4642	
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE	
	16:00 - 21:00	5.00	DRL	1	DRLG F/ 4642- 4922	
	21:00 - 22:00	1.00	SUR	1	CIRC. & SURVEY @ 4852	
	22:00 - 06:00	8.00	DRL	1	DRLG F/ 4922- 5310	
	9/22/2007	06:00 - 08:30	2.50	DRL	1	DRLG F/ 5310-5420
		08:30 - 09:30	1.00	SUR	1	CIRC & SURVEY @ 5344 INC 2.7
09:30 - 16:00		6.50	DRL	1	DRLG F/ 5420 - 5605	
16:00 - 16:30		0.50	RIG	1	RIG SERVICE	
16:30 - 04:30		12.00	DRL	1	DRLG F/ 5605-5944	
04:30 - 05:30		1.00	SUR	1	CIRC & SURVEY @ 5874 MISRUN	
05:30 - 06:00		0.50	DRL	1	DRLG F/ 5944-5954	
9/23/2007		06:00 - 06:30	0.50	DRL	1	DRLG F/ 5954-5976
		06:30 - 07:30	1.00	SUR	1	CIRC & SURVEY @ 5900 INC. 2.5
		07:30 - 16:00	8.50	DRL	1	DRLG F/ 5976- 6282
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
	16:30 - 22:00	5.50	DRL	1	DRLG F/ 6282- 6468	
	22:00 - 23:00	1.00	SUR	1	CIRC & SURVEY @ 6399 2.6	
	23:00 - 06:00	7.00	DRL	1	DRLG F/ 6468-6568	
	9/24/2007	06:00 - 13:30	7.50	DRL	1	DRLG F/ 6658-6830- MOTOR PRESSURED UP
		13:30 - 14:30	1.00	CIRC	1	CIRC. BTM UP
		14:30 - 16:00	1.50	TRP	13	TRIP OUT MOTOR STARTED TO PRESSURE UP
16:00 - 16:30		0.50			FLOW CHECK- THE TRIP TANK NOT WORK RIGHT PASON PROBLEM-	

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/24/2007	16:00 - 16:30	0.50			STRAPED TANK TO KEEP TRACK - FLOW WENT FROM 3/4" FLOW TO NOTHING, I THINK JUST FLOW LINE DRIPING BECAUSE IT QUIT FAST.
	16:30 - 20:30	4.00	TRP	13	FINISH TRIPPING OUT OF HOLE- HOLE TOOK 23 BBLS OVER CALCULATIONS
	20:30 - 22:30	2.00	TRP	1	CHANGE OUT MOTOR & BIT- WENT F/ SQUARE .25 TO A HUNTING .15
	22:30 - 00:30	2.00	TRP	2	TRIP IN TO SHOE
	00:30 - 01:00	0.50	CIRC	1	INSTALL ROTATING RUBBER & BREAK CIRC.
	01:00 - 03:30	2.50	TRP	2	FINISH TRIP IN HOLE IN GOOD SHAPE
	03:30 - 04:30	1.00	REAM	1	SAFETY REAM F/6789-6830
9/25/2007	04:30 - 06:00	1.50	DRL	1	DRLG F/ 6830-6870
	06:00 - 11:00	5.00	DRL	1	DRLG F/ 6870-6973
	11:00 - 12:00	1.00	SUR	1	CIRC & SURVEY @ 6890- INC 3.0
	12:00 - 15:00	3.00	DRL	1	DRLG F/ 6973-7065
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 03:00	11.50	DRL	1	DRLG F/ 7065-7345
	03:00 - 04:00	1.00	SUR	1	CIRC. & SURVEY @ 7269-INC 2.8
9/26/2007	04:00 - 06:00	2.00	DRL	1	DRLG F/7345-7392
	06:00 - 16:00	10.00	DRL	1	DRLG F / 7392- 7622
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 04:00	11.50	DRL	1	DRLG F/7622- 7777 - LAST 10 HRS AVG. 12.4 FT HR
9/27/2007	04:00 - 05:00	1.00	CIRC	1	CIRC BTM'S UP
	05:00 - 06:00	1.00	SUR	1	DROP SURVEY & PUMP PILL
	06:00 - 10:30	4.50	TRP	10	TOH CHANGE BITS
9/28/2007	10:30 - 16:30	6.00	TRP	10	TIH BIT # 3 504 ZX
	16:30 - 17:00	0.50	REAM	1	WASH 60' TO BOTTOM AS PRECAUTION
	17:00 - 06:00	13.00	DRL	1	DRILLED FROM 7777' TO 7990'
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 7990' TO 8211'
	15:30 - 16:00	0.50	RIG	1	SER. RIG
9/29/2007	16:00 - 23:30	7.50	DRL	1	DRILLED FROM 8211' TO 8300' - ROP DROPPED OFF TO 6' HR.
	23:30 - 01:00	1.50	CIRC	1	CIRC. & CONDITION MUD FOR BIT TRIP
	01:00 - 06:00	5.00	TRP	10	TOH WITH BIT #3
	06:00 - 09:00	3.00	TRP	10	FINISHED TOH CHANGE BITS & MUD MOTOR (HUNTING 0.15)
	09:00 - 10:00	1.00	TRP	10	TIH TO 2200'
	10:00 - 11:30	1.50	RIG	6	CUT DRILL LINE
	11:30 - 14:00	2.50	TRP	10	TIH BIT # 4
9/30/2007	14:00 - 14:30	0.50	REAM	1	WASH & REAM 60' TO BOTTOM - PRECAUTION
	14:30 - 15:00	0.50	DRL	1	DRILLED FROM 8300' TO 8303'
	15:00 - 15:30	0.50	RIG	1	SER. RIG
	15:30 - 03:30	12.00	DRL	1	DRILLED FROM 8303' TO 8457'
	03:30 - 04:00	0.50	RIG	2	REPAIR LINE GUIDE
	04:00 - 06:00	2.00	DRL	1	DRILLED FROM 8457' TO 8492'
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 8492' TO 8643'
10/1/2007	15:30 - 16:00	0.50	RIG	1	SER. RIG
	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 8643' TO 8762'
	06:00 - 11:00	5.00	DRL	1	DRILLED FROM 8762' TO 8800'
					NOTIFIED BLM (CLIFF JOHNSON VOICE MAIL 0 OF UPCOMING CASING & CEMENT JOB
	11:00 - 12:00	1.00	CIRC	1	PUMP HI VIS SWEEP & CIRC. AROUND
	12:00 - 13:00	1.00	TRP	14	10 STAND WIPER TRIP - HOLE SLICK
	13:00 - 15:00	2.00	CIRC	1	PUMP HI VIS SWEEP & CIRC. OUT
	15:00 - 21:00	6.00	TRP	2	TOH - SLM - L/D M.M. - MONEL - 2 STBS.
	21:00 - 22:00	1.00	LOG	1	SAFETY MEETING & RIG UP LOGGING ADAPTOR & HOWCO LOGGING TOOLS
	22:00 - 02:00	4.00	LOG	1	RAN TRIPLE COMBO FROM 8800' TO 2262'

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/1/2007	02:00 - 03:00	1.00	LOG	1	R/D HOWCO LOGGING TOOLS
	03:00 - 06:00	3.00	TRP	15	TIH WITH TRICONE BIT & SLICK BHA
10/2/2007	06:00 - 07:30	1.50	TRP	15	TIH TRICONE BIT SLICK BHA
	07:30 - 09:00	1.50	REAM	1	WASH & REAM 120' TO BOTTOM AS PRECAUTION - NO FILL
	09:00 - 10:00	1.00	CIRC	1	CIRC. BOTTOMS UP
	10:00 - 10:30	0.50	TRP	3	SAFETY MEETING - R/U L/D TRUCK
	10:30 - 15:00	4.50	TRP	3	L.D.D.P. 4 1/2"
	15:00 - 16:00	1.00	RIG	2	REPAIR BREAK OUT LINE
	16:00 - 20:30	4.50	TRP	3	L.D.D.P.
	20:30 - 21:00	0.50	OTH		PULL WEAR BUSHING
	21:00 - 00:00	3.00	CSG	1	R/U ROCKY MOUNTAIN CASING TOOLS
	00:00 - 06:00	6.00	CSG	2	RAN 7" - 26# - P-110 CASING
10/3/2007	06:00 - 06:30	0.50	CIRC	1	CIRC. CASING @ 5000'
	06:30 - 11:30	5.00	CSG	2	RAN 7" 26# P-110 LT&C CASING TOTAL 192 JTS
	11:30 - 14:00	2.50	CIRC	1	CASING STACKED OUT @ 8754 - CIRC. AND CONDITION MUD TO 11.2 IN 11.2OUT - HEAVY PACKING OFF TRYING TO GET PAST 8754 - LARGE AMOUNT OF HEAVING SHALE OVER SHAKERS - AFTER 2 HRS. SHALE CLEARED UP BUT CONTINUE PACKING OFF BELOW 8754'
	14:00 - 16:00	2.00	CMT	1	SHOE @ 8754' - FLOAT @ 8707' RIG UP HOWCO CEMENTERS - CIRC. WHILE RIGGING UP CEMENTERS - SAFETY MEETING
	16:00 - 20:00	4.00	CMT	2	CEMENT WITH 300 SK. 11 # HI FILL YLD 3.84 LEAD SLURRY - 950 SK. 14.3 YLD. 1.24 POZ PREM TAIL - DISPLACED W/334 BBL. 11.2 MUD - NO CEMENT TO SURFACE - BUMP PLUG 3000 PSI. - FLOATS HELD
	20:00 - 20:30	0.50	CMT	1	RIG DOWN HOWCO CEMENTERS
	20:30 - 23:30	3.00	BOP	1	UNBOLT BOP STACK
	23:30 - 01:30	2.00	CSG	7	LIFT STACK - SET CSG. SLIPS WITH 200K WT. ON SLIPS - ROUGH CUT CASING
	01:30 - 05:00	3.50	BOP	1	NIPPLE DOWN & LAY OUT BOPS
	05:00 - 06:00	1.00	WHD	1	DRESS CASING STUB & NIPPLE UP B SECTION DRESS 7" CASING STUB - NIPPLE UP B SECTION
10/4/2007	06:00 - 06:30	0.50	WHD	1	NOTIFIED BLM CLIFF JOHNSON VOICE MAIL OF CASING & CEMENT JOB AND GAVE NOTICE ON TESTING BOPS @ 0430 HRS. 10/03/2007 NIPPLE UP 7 1/16 10K X 11" 5K B SECTION TEST 5K
	06:30 - 14:30	8.00	BOP	1	N/U BOP & PRESSURE CONTROL EQUIPMENT & P/U KELLY
	14:30 - 20:30	6.00	BOP	2	TEST BOP BLIND/PIPE RAMS 250/10K - CHOKE & KILL MANIFOLD HCR VALVE AND ALL GATE VALVES 250/10K - TIW KELLY COCKS & IBOP 250/10K - HYDRIL 250/5000 - EA. TEST 10 MIN. CHARTED BY B&C TESTERS - TEST CASING 1500 PSI. 30 MIN. KOOBY FUNCTION & PRECHARGE
	20:30 - 23:30	3.00	BOP	1	NIPPLE UP ROTATING HEAD & ATTEMPT TO HOOK UP FLOW LINE - WOULD NOT LINE UP - CALLED WELDER
	23:30 - 02:30	3.00	OTH		LAY OUT & STRAP SLIM HOLE BHA & 4" D.P. CHANGE LINERS SWABS IN MUD PUMPS FROM 6" TO 5" R/U LAY DOWN TRUCK
	02:30 - 05:00	2.50	BOP	1	WELDER REFAB & FINISH HOOK UP FLOW LINE
	05:00 - 06:00	1.00	TRP	1	P/U SLIM HOLE BHA

CONFIDENTIAL

Form 3160-5 (November 1994)

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.*

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

5. Lease Serial No.  
**UTU-77301**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Questar Exploration & Production**

3a. Address  
**1571 East 1700 South Vernal, Utah 84078**

3b. Phone No. (include area code)  
**435-781-4331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1581' FNL 1233' FEL, SENE, SECTION 31, T8S, R24E**

7. If Unit or CA/Agreement, Name and/or No.  
**BIG VALLEY UNIT UTU-81308X**

8. Well Name and No.  
**NBZ 8D-31-8-24**

9. API Well No.  
**43-047-37238**

10. Field and Pool, or Exploratory Area  
**UNDESIGNATED**

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input checked="" 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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

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 Exploration & Production requests authorization to sidetrack this wellbore. On October 25th approximately 7,628' of the drill string was accidentally dropped in the hole. The current drilling depth of the well is 13,143'. Fishing operations have recovered 7,259' of the drill pipe leaving 369' in the hole with the top at 12,774'. Subsequent operations so far have failed to recover the remaining 369'. In the event it becomes necessary: Questar proposes to set an open hole screw-in type whipstock and would then kick off in order to continue operations to reach the bottom hole objective. Attached is a description of this tool. The sidetrack would affect only the bottom 650' - 750' of the hole with an estimated total depth of 13,450'.

Please contact Jan Nelson at (435) 781-4331 if you need further documentation. All technical questions can be addressed to Steven Hall, Drilling Engineer, at (303) 672-6919 or cell (303) 916-1990.

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

Name (Printed/Typed) <b>Jan Nelson</b>	Title <b>Regulatory Affairs</b>
Signature <i>Jan Nelson</i>	Date <b>October 29, 2007</b>

THIS SPACE FOR FEDERAL OR STATE USE

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

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

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.

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)

COPIES SENT TO OPERATOR  
Date: 10-30-07  
Initials: RM

CONFIDENTIAL



**Weatherford**

Unit No.	
Revision	2
Date	Feb-06

# Open Hole Screw-In Type Whipstock

## Scope

The following procedures are intended to provide instructions for assembling, running to target depth, engaging the fish and cementing (if required) using the Screw-In Type Whipstock.

## Equipment Required

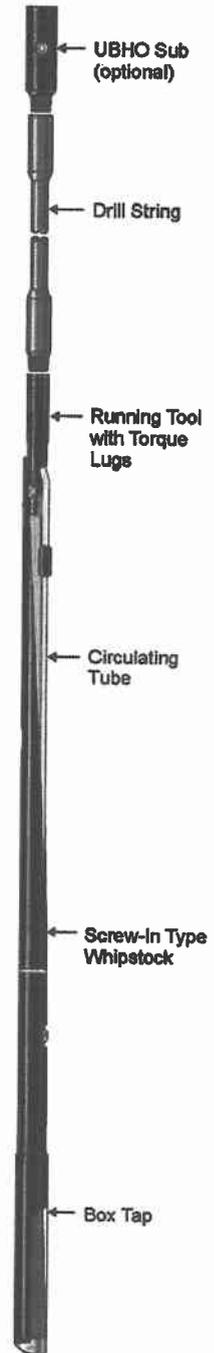
- Screw-In Type Whipstock
- Attachment Device
- Setting Tool
- Orientation Device (UBHO, MWD, etc.)
- Drill Pipe Joint
- Pup joints (for space-out if necessary)
- Assembly Tools and Equipment

## Recommendations

The Weatherford Screw-In Type Whipstock, although set in open hole conditions, should be screwed into or attached to a stationary fish or string to prevent it from moving downhole when setting. Depending upon which attachment method is utilized, the Screw-In type Whipstock may or may not be oriented in a specific direction.

If required, the Screw-In Type Whipstock can also be cemented in place if circulating ports are included in the BHA or attachment device that is utilized.

If the Screw -in Type Whipstock assembly is utilized as a cement style assembly with tailpipe, it is strongly advised by Weatherford that in well bores with more than 5° inclination the whipstock be orientated for high side departure to mitigate gravitational movement from the well bore wall.



CONFIDENTIAL

43-047-31238  
31 85 26

Questar E & P						Page 1 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
8/30/2007	06:00 - 00:00	18.00	LOC	3	MIRU	
	00:00 - 05:00	5.00	DRL	1	DRILLED 0/ 1190'	
	05:00 - 06:00	1.00	TRP	10	BIT TRIP	
8/31/2007	06:00 - 20:30	14.50	DRL	1	DRILL 1190' / 1820' - WATER FLOW @ 1630'	
	20:30 - 01:30	5.00	TRP	10	BIT TRIP	
9/1/2007	01:30 - 06:00	4.50			DRILL 1820' / 1990'	
	06:00 - 13:00	7.00	DRL	1	DRILL 1990' / 2260'	
	13:00 - 14:00	1.00	TRP	3	L.D.D.P.	
	14:00 - 16:30	2.50	CSG	2	RAN 2210' 9 5/8" 36# CASING	
	16:30 - 17:00	0.50	CMT	2	CEMENT CASING 760 SKS. CLASS G	
9/11/2007	17:00 - 06:00	13.00	LOC	8	R/D & RELEASE RIG	
	06:00 - 19:00	13.00	LOC	3	MOVE IN RIG 80% MOVED IN - SET MAT BOARDS / SUB BASE / INSTAL SPREADER BEAMS ON SUB	
9/12/2007	19:00 - 06:00	11.00	LOC	4	NOTIFIED CLIFF JOHNSON BLM OF MOVING ON LOCATION	
	06:00 - 18:00	12.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT R/U RIG 35% - REPAIR DWKS BRAKES & DRUM - BREAK DOWN DERRICK FOR INSPECTION - TRUCKS RELEASED @ 1700 HR.	
9/13/2007	18:00 - 06:00	12.00	LOC	4	RIG IDLE WAITING ON DAYLIGHT	
	06:00 - 18:00	12.00	LOC	4	RIG UP 45%- SAND BLAST PIN POCKETS ON DERRICK,A-LEG S,DERRICK SHOES, DEAD-MAN ACHOR,CROWN AND CRAZE WHEEL, MAGNA FLUX SAME.- CHANGED OUT BREAK FLANGES ON DWKS. CHANGED RADIATOR ON # 2 PUMP MOTOR AND WORK ON ACHORS FOR NEW FLARE LINES	
9/14/2007	18:00 - 06:00	12.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT	
	06:00 - 18:00	12.00	LOC	4	RIG UP - PUT DWKS BACK TOGETHER,PRIMER AND PAINT SPOT ON DERRICK THAT WAS CHECKED, HELP WELDERS BUILD FLARE LINE ACHORS AND PUT FLARE LINE TOGETHER.	
9/15/2007	06:00 - 18:00	12.00	LOC	4	RIG UP - 70% - PUT DERRICK BACK TOGETHER AFTER INSPECTIONAND FINISH SETTING RIG IN - FLARE BOX AND BAR HOPPERS	
9/16/2007	18:00 - 06:00	12.00	LOC	4	RIG IDLE - WAIT ON DAYLIGHT	
	06:00 - 06:00	24.00	LOC	4	RIG UP - 100%- STRING UP BLOCKS, PREPARE DERRICK TO RAISE,BURN IN NEW BREAK PADS, RAISE DERRICK, RIG UP FLOOR AND ROTARY TOOLS, KELLY AND SWIVELAND FINIISH UP WITH FLARE LINES AND ANCHORS	
9/17/2007	06:00 - 10:00	4.00	WHD	1	CUT OFF CASING AND CONDUCTOR AND WELD ON 9 5/8 WELL HEAD AND TEST TO 1000 PSI	
	10:00 - 11:00	1.00	WHD	1	LET WELL HEAD COOL DOWN	
	11:00 - 00:30	13.50	BOP	1	NIPPLE UP 5M BOPS, NIPPLE UP BOTH SIDES MANUAL VALVES, CHOKE HOSE & WELD FLOW TO FIT ROTATING HEAD.	
	00:30 - 01:30	1.00	BOP	1	TORQUE UP KELLY F/TESTING	
9/18/2007	01:30 - 06:00	4.50	BOP	2	TEST BOPS- TEST KELLY VALVES LOW (250 PSI) 5 MIN HIGH ( 5000 PSI) 10 MIN- FLOOR VALVES, PIPE RAMS, BLIND RAMS, MANUAL VALVES, HCR, AND CHOKE MANIFOLD, (250 PSI) LOW 5 MIN ( 5000 PSI) HIGH 10 MIN.- ANNULAR (250 PSI ) LOW 5 MIN ( 3500 PSI ) HIGH 10 MIN	
	06:00 - 07:00	1.00	EQT	1	PUMP UP AND TEST CASING (1500 PSI ) 15 MIN	
	07:00 - 08:00	1.00	BOP	1	INSTALL WEAR BUSHING	
	08:00 - 11:00	3.00			STRAP BHAAND CLEAN UP SUB AND FLOOR AFTER NIPPLE UP AND TEST	
	11:00 - 16:00	5.00	RIG	2	REPAIR DWKS BRAKES WOULD NOT MOVE BLOCKS WITHOUT REVERSE BLOCK DOWN. ADJUSTED AND AND CHANGE THE SPRING PLACEMENT.	
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
	16:30 - 22:00	5.50	TRP	1	PICK UP 8 3/4- 504 ZX, SQUARE MOTOR, BHA AND 4 1/2 DP.	
	22:00 - 22:30	0.50			LEVEL DERRICK	
	22:30 - 01:30	3.00	TRP	3	CONTINUE PICKING UP 4 1/2 DP	
	01:30 - 04:00	2.50	RIG	2	RIG REPAIR- WORK ON CATHEAD MAKEUP SIDE THE CHAIN WILL SUCK IN	

Printed: 11/7/2007 7:32:26 AM

RECEIVED

NOV 08 2007

DIV. OF OIL, GAS & MINING

Questar E & P						Page 2 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/18/2007	01:30 - 04:00	2.50	RIG	2	THE CATHEAD AT A FAST RATE OF SPEED WITH OUT USING THE LEVER SHUT DOWN TO FIX ALLSO THE KELLY SPINNERS NOT WORKING. GOT KELLY SPINNERS WORKING	
	04:00 - 05:00	1.00			LEVEL DERRICK	
9/19/2007	05:00 - 06:00	1.00	BOP	1	INSTALL ROTATING RUBBER AND OILER LINES	
	06:00 - 06:30	0.50			TEST PUMPS & R/U WIRE LINE MACHINE	
	06:30 - 07:00	0.50	RIG	1	RIG SERVICE	
	07:00 - 10:00	3.00	DRL	1	TAG UP CEMENT @ 2165 DRLG CEMENT F/21650- 2260- FLOAT COLLAR @ 2181 & SHOE @ 2225	
	10:00 - 11:00	1.00	DRL	1	DRLG F/2260 - 2273- PUMP SWEEP	
	11:00 - 11:30	0.50	EQT	2	FIT TEST - F/11.6 PPG - W/ 8.3 PPG- PUMPED UP 400 PSI BLED BACK TO 377 PSI IN 15MIN.- MUD EQUIV. TO 11.46 PPG	
	11:30 - 12:00	0.50	SUR	1	WIRE LINE SURVEY- @ 2194 INC. 3.0	
	12:00 - 17:00	5.00	DRL	1	DRLG F/2273-2425	
	17:00 - 17:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2360 INC. 3.2	
	17:30 - 05:00	11.50	DRL	1	DRLG F/2425- 2867	
9/20/2007	05:00 - 05:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2797	
	05:30 - 06:00	0.50	DRL	1	DRLG F/2867-2898	
	06:00 - 10:00	4.00	DRL	1	DRLG F/2898 - 3054	
	10:00 - 10:30	0.50	DRL	1	WORK ON PUMPS	
	10:30 - 11:00	0.50	DRL	1	DRLG F/3054 -3086	
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE - CHANGE OUT AIR MOTOR F/AUTO DRILLER AND PUMP UP WT. INDACATOR.	
	11:30 - 16:00	4.50	DRL	1	DRLG F/DRLG F/3086 - 3366	
	16:00 - 17:00	1.00	SUR	1	CIRC & SURVEY @ 3251 INC. 2.2	
	17:00 - 01:30	8.50	DRL	1	DRLG F/3366-3926	
	01:30 - 02:30	1.00	SUR	1	CIRC & SURVEY @ 3856 2.3	
9/21/2007	02:30 - 06:00	3.50	DRL	1	DRLG F/3926-4130	
	06:00 - 11:30	5.50	DRL	1	DRLG F/4130-4425	
	11:30 - 12:30	1.00	SUR	1	CIRC & SURVEY- @ 4349 2.0 INC	
	12:30 - 15:30	3.00	DRL	1	DRLG F/4425- 4642	
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE	
	16:00 - 21:00	5.00	DRL	1	DRLG F/4642- 4922	
	21:00 - 22:00	1.00	SUR	1	CIRC. & SURVEY @ 4852	
	22:00 - 06:00	8.00	DRL	1	DRLG F/4922- 5310	
9/22/2007	06:00 - 08:30	2.50	DRL	1	DRLG F/5310-5420	
	08:30 - 09:30	1.00	SUR	1	CIRC & SURVEY @ 5344 INC 2.7	
	09:30 - 16:00	6.50	DRL	1	DRLG F/5420 - 5605	
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
	16:30 - 04:30	12.00	DRL	1	DRLG F/5605-5944	
	04:30 - 05:30	1.00	SUR	1	CIRC & SURVEY @ 5874 MISRUN	
	05:30 - 06:00	0.50	DRL	1	DRLG F/5944-5954	
	06:00 - 06:30	0.50	DRL	1	DRLG F/5954-5976	
9/23/2007	06:30 - 07:30	1.00	SUR	1	CIRC & SURVEY @ 5900 INC. 2.5	
	07:30 - 16:00	8.50	DRL	1	DRLG F/5976- 6282	
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
	16:30 - 22:00	5.50	DRL	1	DRLG F/6282- 6468	
	22:00 - 23:00	1.00	SUR	1	CIRC & SURVEY @ 6399 2.6	
	23:00 - 06:00	7.00	DRL	1	DRLG F/6468-6568	
9/24/2007	06:00 - 13:30	7.50	DRL	1	DRLG F/6568-6630- MOTOR PRESSURED UP	
	13:30 - 14:30	1.00	CIRC	1	CIRC. BTM UP	
	14:30 - 16:00	1.50	TRP	13	TRIP OUT MOTOR STARTED TO PRESSURE UP	
	16:00 - 16:30	0.50			FLOW CHECK- THE TRIP TANK NOT WORK RIGHT PASON PROBLEM-	

Questar E & P						Page 3 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
9/24/2007	16:00 - 16:30	0.50			STRAPED TANK TO KEEP TRACK - FLOW WENT FROM 3/4" FLOW TO NOTHING, I THINK JUST FLOW LINE DRIPPING BECAUSE IT QUIT FAST.	
	16:30 - 20:30	4.00	TRP	13	FINISH TRIPPING OUT OF HOLE- HOLE TOOK 23 BBLS OVER CALCULATIONS	
	20:30 - 22:30	2.00	TRP	1	CHANGE OUT MOTOR & BIT- WENT F/ SQUARE .25 TO A HUNTING .15	
	22:30 - 00:30	2.00	TRP	2	TRIP IN TO SHOE	
	00:30 - 01:00	0.50	CIRC	1	INSTALL ROTATING RUBBER & BREAK CIRC.	
	01:00 - 03:30	2.50	TRP	2	FINISH TRIP IN HOLE IN GOOD SHAPE	
	03:30 - 04:30	1.00	REAM	1	SAFETY REAM F/6789-6830	
9/25/2007	04:30 - 06:00	1.50	DRL	1	DRLG F/ 6830-6870	
	06:00 - 11:00	5.00	DRL	1	DRLG F/ 6870-6973	
	11:00 - 12:00	1.00	SUR	1	CIRC & SURVEY @ 6890- INC 3.0	
	12:00 - 15:00	3.00	DRL	1	DRLG F/ 6973-7065	
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE	
	15:30 - 03:00	11.50	DRL	1	DRLG F/ 7065-7345	
	03:00 - 04:00	1.00	SUR	1	CIRC. & SURVEY @ 7269-INC 2.8	
9/26/2007	04:00 - 06:00	2.00	DRL	1	DRLG F/7345-7392	
	06:00 - 16:00	10.00	DRL	1	DRLG F / 7392- 7622	
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE	
9/27/2007	16:30 - 04:00	11.50	DRL	1	DRLG F/7622- 7777 - LAST 10 HRS AVG. 12.4 FT HR	
	04:00 - 05:00	1.00	CIRC	1	CIRC BTMS UP	
	05:00 - 06:00	1.00	SUR	1	DROP SURVEY & PUMP PILL	
9/28/2007	06:00 - 10:30	4.50	TRP	10	TOH CHANGE BITS	
	10:30 - 16:30	6.00	TRP	10	TIH BIT #3 504 ZX	
	16:30 - 17:00	0.50	REAM	1	WASH 60' TO BOTTOM AS PRECAUTION	
9/28/2007	17:00 - 06:00	13.00	DRL	1	DRILLED FROM 7777' TO 7990'	
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 7990' TO 8211'	
	15:30 - 16:00	0.50	RIG	1	SER. RIG	
	16:00 - 23:30	7.50	DRL	1	DRILLED FROM 8211' TO 8300' - ROP DROPPED OFF TO 6' HR.	
	23:30 - 01:00	1.50	CIRC	1	CIRC. & CONDITION MUD FOR BIT TRIP	
9/29/2007	01:00 - 06:00	5.00	TRP	10	TOH WITH BIT #3	
	06:00 - 09:00	3.00	TRP	10	FINISHED TOH CHANGE BITS & MUD MOTOR (HUNTING 0.15)	
	09:00 - 10:00	1.00	TRP	10	TIH TO 2200'	
	10:00 - 11:30	1.50	RIG	6	CUT DRILL LINE	
	11:30 - 14:00	2.50	TRP	10	TIH BIT #4	
	14:00 - 14:30	0.50	REAM	1	WASH & REAM 60' TO BOTTOM - PRECAUTION	
	14:30 - 15:00	0.50	DRL	1	DRILLED FROM 8300' TO 8303'	
	15:00 - 15:30	0.50	RIG	1	SER. RIG	
	15:30 - 03:30	12.00	DRL	1	DRILLED FROM 8303' TO 8457'	
	03:30 - 04:00	0.50	RIG	2	REPAIR LINE GUIDE	
9/30/2007	04:00 - 06:00	2.00	DRL	1	DRILLED FROM 8457' TO 8492'	
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 8492' TO 8643'	
	15:30 - 16:00	0.50	RIG	1	SER. RIG	
10/1/2007	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 8643' TO 8762'	
	06:00 - 11:00	5.00	DRL	1	DRILLED FROM 8762' TO 8800'	
					NOTIFIED BLM (CLIFF JOHNSON VOICE MAIL 0 OF UPCOMING CASING & CEMENT JOB	
	11:00 - 12:00	1.00	CIRC	1	PUMP H/VIS SWEEP & CIRC. AROUND	
	12:00 - 13:00	1.00	TRP	14	10 STAND WIPER TRIP - HOLE SLICK	
	13:00 - 15:00	2.00	CIRC	1	PUMP H/VIS SWEEP & CIRC. OUT	
	15:00 - 21:00	6.00	TRP	2	TOH - SLM - L/D MM. - MONEL - 2 STBS.	
	21:00 - 22:00	1.00	LOG	1	SAFETY MEETING & RIG UP LOGGING ADAPTOR & HOWCO LOGGING TOOLS	
	22:00 - 02:00	4.00	LOG	1	RAN TRIPLE COMBO FROM 8800' TO 2262'	

Questar E & P						Page 4 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/1/2007	02:00 - 03:00	1.00	LOG	1	R/D HOWCO LOGGING TOOLS	
	03:00 - 06:00	3.00	TRP	15	TIH WITH TRICONE BIT & SLICK BHA	
10/2/2007	06:00 - 07:30	1.50	TRP	15	TIH TRICONE BIT SLICK BHA	
	07:30 - 09:00	1.50	REAM	1	WASH & REAM 120' TO BOTTOM AS PRECAUTION - NO FILL	
	09:00 - 10:00	1.00	CIRC	1	CIRC. BOTTOMS UP	
	10:00 - 10:30	0.50	TRP	3	SAFETY MEETING - R/U LD TRUCK	
	10:30 - 15:00	4.50	TRP	3	L.D.D.P. 4 1/2"	
	15:00 - 16:00	1.00	RIG	2	REPAIR BREAK OUT LINE	
	16:00 - 20:30	4.50	TRP	3	L.D.D.P.	
	20:30 - 21:00	0.50	OTH		PULL WEAR BUSHING	
	21:00 - 00:00	3.00	CSG	1	R/U ROCKY MOUNTAIN CASING TOOLS	
	00:00 - 06:00	6.00	CSG	2	RAN 7" - 26# - P-110 CASING	
10/3/2007	06:00 - 06:30	0.50	CIRC	1	CIRC. CASING @ 5000'	
	06:30 - 11:30	5.00	CSG	2	RAN 7" 26# P-110 LT&C CASING TOTAL 192 JTS	
	11:30 - 14:00	2.50	CIRC	1	CASING STACKED OUT @ 8754 - CIRC. AND CONDITION MUD TO 11.2 IN 11.2OUT - HEAVY PACKING OFF TRYING TO GET PAST 8754 - LARGE AMOUNT OF HEAVING SHALE OVER SHAKERS - AFTER 2 HRS. SHALE CLEARED UP BUT CONTINUE PACKING OFF BELOW 8754'	
	14:00 - 16:00	2.00	CMT	1	SHOE @ 8800' - FLOAT @ 8753' RIG UP HOWCO CEMENTERS - CIRC. WHILE RIGGING UP CEMENTERS - SAFETY MEETING	
	16:00 - 20:00	4.00	CMT	2	CEMENT WITH 300 SK. 11# HI FILL YLD 3.84 LEAD SLURRY - 950 SK. 14.3 YLD. 1.24 POZ PREM TAIL - DISPLACED W/334 BBL 11.2 MUD - NO CEMENT TO SURFACE - BUMP PLUG 3000 PSI. - FLOATS HELD	
	20:00 - 20:30	0.50	CMT	1	RIG DOWN HOWCO CEMENTERS	
	20:30 - 23:30	3.00	BOP	1	UNBOLT BOP STACK	
	23:30 - 01:30	2.00	CSG	7	LIFT STACK - SET CSG. SLIPS WITH 200K WT. ON SLIPS - ROUGH CUT CASING	
	01:30 - 05:00	3.50	BOP	1	NIPPLE DOWN & LAY OUT BOPS	
	05:00 - 06:00	1.00	WHD	1	DRESS CASING STUB & NIPPLE UP B SECTION DRESS 7" CASING STUB - NIPPLE UP B SECTION	
10/4/2007	06:00 - 06:30	0.50	WHD	1	NOTIFIED BLM CLIFF JOHNSON VOICE MAIL OF CASING & CEMENT JOB AND GAVE NOTICE ON TESTING BOPS @ 0430 HRS. 10/03/2007 NIPPLE UP 7 1/16 10K X 11" 5KB SECTION TEST 5K	
	06:30 - 14:30	8.00	BOP	1	N/U BOP & PRESSURE CONTROL EQUIPMENT & P/U KELLY	
	14:30 - 20:30	6.00	BOP	2	TEST BOP BLIND/PIPE RAMS 250/10K - CHOKE & KILL MANIFOLD HCR VALVE AND ALL GATE VALVES 250/10K - TIW KELLY COCKS & IBOP 250/10K - HYDRIL 250/5000 - EA. TEST 10 MIN. CHARTED BY B&C TESTERS - TEST CASING 1500 PSI. 30 MIN. KOOMY FUNCTION & PRECHARGE	
	20:30 - 23:30	3.00	BOP	1	NIPPLE UP ROTATING HEAD & ATTEMPT TO HOOK UP FLOW LINE - WOULD NOT LINE UP - CALLED WELDER	
	23:30 - 02:30	3.00	OTH		LAY OUT & STRAP SLIM HOLE BHA & 4" D.P. CHANGE LINERS SWABS IN MUD PUMPS FROM 6" TO 5" R/U LAY DOWN TRUCK	
	02:30 - 05:00	2.50	BOP	1	WELDER REFAB & FINISH HOOK UP FLOW LINE	
	05:00 - 06:00	1.00	TRP	1	P/U SLIM HOLE BHA	
10/5/2007	06:00 - 13:00	7.00	TRP	1	P/U SLIM HOLE DRILL STRING 11h to 4000'	
	13:00 - 16:00	3.00	TRP	2	DRILL STRING PLUGGED - TOH WET PIPE - FOUND FLOAT IN TOP OF MUD MOTOR UPSIDE DOWN	

Questar E & P						Page 5 of 11
<b>Operations Summary Report</b>						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/5/2007	16:00 - 18:30	2.50	TRP	2	TIH TO 4000' & FILL PIPE	
	18:30 - 19:00	0.50	CIRC	1	CIRC.	
	19:00 - 23:30	4.50	TRP	1	P/U 4" D.P.	
	23:30 - 00:00	0.50	CIRC	1	CIRC. @ 8078'	
	00:00 - 01:00	1.00	TRP	1	P/U 4" D.P. TAG OUT @ 8623'	
	01:00 - 01:30	0.50	OTH		R/D LAY DOWN TRUCK	
	01:30 - 05:00	3.50	DRL	4	DRILL CEMENT FROM 86433' - 8800 + 10' NEW HOLE'	
	05:00 - 05:30	0.50	EQT	2	FIT - 13.59 EMW	
	05:30 - 06:00	0.50	DRL	1	DRILLED FROM 8800 TO 8842'	
	10/6/2007	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 8842' TO 9332'
	15:30 - 18:00	0.50	RIG	1	SER. RIG	
	18:00 - 06:00	14.00	DRL	1	DRILLED FROM 9332' TO 10,137'	
10/7/2007	06:00 - 16:30	10.50	DRL	1	DRILLED FROM 10,137' TO 10,498'	
	16:30 - 17:00	0.50	RIG	1	SER. RIG	
	17:00 - 06:00	13.00	DRL	1	DRILLED FROM 10,498' TO 10,950'	
10/8/2007	06:00 - 13:00	7.00	DRL	1	DRILLED FROM 10,950' TO 11,210' - RAISING MUD WT. TO 12.9	
	13:00 - 13:30	0.50	CIRC	1	CIRC. & FINISH RAISING MUD WT. TO 12.9	
	13:30 - 15:30	2.00	DRL	1	DRILLED FROM 11,210' TO 11,295'	
	15:30 - 17:30	2.00	CIRC	1	CIRC. OUT GAS FROM 20 BBL. PIT GAIN & RAISE MUD WT. TO 13.3	
	17:30 - 20:00	2.50	DRL	1	DRILLED FROM 11,295' TO 11,438' - RAISING MUD WT. TO 13.4	
	20:00 - 23:00	3.00	OTH		CIRC. WITH 13.4 MUD WT. & WAIT ON BARITE BULK TRUCKS	
	23:00 - 02:00	3.00	DRL	1	DRILLED FROM 11,438' TO 11,612' - MUD WT. 13.6	
	02:00 -		CIRC	1	GAS BUBBLE TO SURFACE TOOK 40 BBL. PIT GAIN AND 60' FLARE - SHUT IN AND CIRC. & CONDITION MUD WT. TO 13.9 GOING THRU THE CHOKE	
10/9/2007	06:00 - 07:30	1.50	CIRC	1	CIRC. OUT GAS ON CHOKE & BRING UP MUD WT. FROM 13.6 TO 13.9 - FLARE 40'	
	07:30 - 15:30	8.00	DRL	1	DRILLED FROM 11,612' TO 11,860'	
	15:30 - 16:00	0.50	RIG	1	SER. RIG	
	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 11,860' TO 12,127'	
10/10/2007	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 12,127' TO 12,346'	
	15:30 - 16:00	0.50	RIG	1	SER. RIG	
	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 12,346' TO 12,630'	
10/11/2007	06:00 - 14:30	8.50	DRL	1	DRILLED FROM 12,630' TO 12,768'	
	14:30 - 17:00	2.50	CIRC	1	CIRC & COND RAISE MUD WT TO 14.8PPG	
	17:00 - 17:30	0.50	RIG	1	RIG SERVICE	
	17:30 - 19:30	2.00	DRL	1	DRLG F/ 12768 TO 12800	
	19:30 - 20:00	0.50	REAM	1	WASH & REAM TIGHT CONNECTION	
	20:00 - 23:30	3.50	CIRC	6	CIRC. & COND BUILD VOLUME LOST PARTIAL RETURNS APPROX. 150 BBL PUMP SWEEPS GOT ALL RETURNS BACK	
	23:30 - 01:00	1.50	DRL	1	DRLG F/ 12800 TO 12819	
	01:00 - 06:00	5.00	CIRC	6	CIRC. & COND. BUILD VOLUME LOST PARTIAL RETURNS AGAIN LOST APPROX. 100 BBL. MAINTANE MUD WT. 14.7 PPG. AIR BLOWER F/ BAR HOPPER WENT DOWN HAD TO REPLACE OUT OF EVANSTON WYO. USE SACK BAR WHILE WAITING	
10/12/2007	06:00 - 12:00	6.00	CIRC	6	CIRC. & BUILD MUD VOLUME & WT. 14.6 PPG.- LOST APPROX. 150 BBL.	
	12:00 - 13:30	1.50	DRL	1	DRLG F/ 12819 TO 12833	
	13:30 - 14:00	0.50	RIG	1	RIG SERVICE	
	14:00 - 03:30	13.50	DRL	1	DRLG F/ 12833 TO 12981- PUMP LCM SWEEPS AFTER EACH CONN. AND DURING AS NEED FOR SEEPAGE	
	03:30 - 06:00	2.50	CIRC	6	CIRC. BUILD VOLUME PACK OFF & SEEPAGE BUILD VOLUME LOST APPROX. 140 BBL	
10/13/2007	06:00 - 06:00	24.00	CIRC	6	CIRC. AND ATTEMPT TO RAISE MUD WT. TO 15PPG AND LOST MOST RETURN AT A 14.6 PPG PUMP HIGH LCM SWEEPS AND WORKING ON	

Questar E & P						Page 6 of 11
<b>Operations Summary Report</b>						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/13/2007	06:00 - 08:00	24.00	CIRC	6	RAISING THE ACTIVE TO 15% OR BETTER IN LCM. LOST APPROX. 480 BBLs IN 24 HRS.HOLE ACTING OK.	
10/14/2007	06:00 - 08:30	2.50	CIRC	6	CIRC & COND. BUILD VOLUME MUD WT. 15 PPG, BUILD LCM CONTENT TO 20 %	
	08:30 - 14:30	6.00	DRL	1	DLRG F/ 12931 TO 12954	
	14:30 - 08:00	15.50	CIRC	6	CIRC& COND. BUILD VOLUME, RAISE MUD WT 15 PPG. BUIKLD LCM CONTENT TO 20%	
10/15/2007	06:00 - 15:00	9.00	CIRC	6	CIRC. & COND BRING LCM CONTENT TO 20% STABILZE MUD WT. TO 14.8 USED 80 BBLs OF 15.5 MUD TO FEED IN SYSTEM	
	15:00 - 16:00	1.00	WCL	3	FLOW CHECK - FIRST 15 MIN 2.5 BBLs TO 1.4 BBLsMIN-SECOND 15 MIN 1.4 BBLs TO .77 BBLs MIN-THIRD 15 MIN. .77 BBLs STEADY.	
	16:00 - 17:30	1.50	CIRC	6	CIRC. COND.- CIRC BTMS UP AFTER FLOW CHECK ANDMAINTAIN MUD WT 14.8 PPG AND LCM CONTENT 20% BUILD VOLUME	
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE	
	18:00 - 02:30	8.50	CIRC	1	CIRC AND COND. PLANS TO DO A 10 STD SHORT TRIPSPOTED A 16.8 PPG PILL WOULD NOT HOLD STATIC HAD 200 PSI ON STAND PIPE PUMPED IT OUT. SPOTED ANOTHER 17.4 PPG	
	02:30 - 04:00	1.50	TRP	14	SHORT TRIP 10 STDs-FLOWEFD BACK 82.3 BBLs DURING TRIP	
	04:00 - 06:00	2.00	CIRC	6	CIRC&BUILD VOLUME LOST APPROX. 200 BBLs CIRC HEAVY PILL OUT	
10/16/2007	06:00 - 17:30	11.50	CIRC	1	CIRCULATE OUT HEAVEY PILL & PUMP LCM SWEEPS & REGAIN CIRC.( LOST APPROX. 250 BBLs )	
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE	
	18:00 - 20:30	2.50	CIRC	1	CIRC. & MAINTAIN MUD WT. 14.6	
	20:30 - 23:00	2.50	WCL	3	FLOW CHECK ( WELL FLOWED 75 BBLs )	
	23:00 - 02:30	3.50	CIRC	1	CIRC GAS OUT ( 800 STROKES RAW GAS, GAINED 396BBLs )	
10/17/2007	02:30 - 06:00	3.50	TRP	10	TRIP OUT TO THE SHOE	
	06:00 - 07:00	1.00	RIG	6	CUT DRLG LINE	
	07:00 - 09:30	2.50	CIRC	1	WELL START TO FLOW ABOUT 3/4" STREAM,SO PICK UP KELLY STARTED CIRCULATING HAD A FLARE RIGHT AWAY 25' BTMS UP GAVE A 20/30' FLARE BUILT A 1LLB OVER PILL 15.6 SPOT AT SHOE. STOPPED PUMPS FLOWED BACK 12 BBLs.	
	09:30 - 11:00	1.50	TRP	2	STARTED TO TRIP OUT PULLED 7 STANDS SLOW AND ON EACH STAND SWABBING .5 TO 1 BBL PER STAND PLUS CAP. OF THE STAND SO IT AVERAGE OUT TO 2/2.5 BBLs A STAND. TRIP BACK TO SHOE	
	11:00 - 14:30	3.50	CIRC	1	CIRC OUT GAS AND RAISE MUD WT. BACK TO A 14.6 PPG AND MAINTAIN. BUILD AND PUMP A 16.2 PILL 38BBLs SPOT AT THE SHOE.	
	14:30 - 16:30	2.00	TRP	2	FLOW CHECK-FLOWED BACK 50 BBLs IN 20 MIN. PULLED 7 STANDS SWABBING .5 TO 1 BBL PER STAND BUT NOT CAP.	
	16:30 - 19:30	3.00	CIRC	1	CIRC GAS OUT AND MAINTAIN 14.6PPG MUD WT FLARES 0/20'	
	19:30 - 20:00	0.50	TRP	2	TRIP IN 10 STANDS F/ 8878 TO 10044	
	20:00 - 23:30	3.50	CIRC	1	CIRC& COND.- CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 10/70'	
	23:30 - 00:00	0.50	TRP	2	TRIP IN 10 STANDS F/ 10044 TO 11039	
	00:00 - 02:30	2.50	CIRC	1	CIRC & COND.- CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 30/90'	
	02:30 - 03:30	1.00	TRP	2	TRIP IN 10 STANDS F/ 11039 TO 12038	
	03:30 - 05:30	2.00	CIRC	1	CIRC & COND.- CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 15/90'	
10/18/2007	05:30 - 06:00	0.50	TRP	2	FINISH TRIP IN 12954	
	06:00 - 15:30	9.50	CIRC	1	CIRC. & CONDITION MUD ,MAINTAIN 14.6 & BRING LCM BACK UP TO 20%	
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE	
	16:00 - 19:00	3.00	CIRC	1	SPOT 70 BBL G-SEAL & POLLY SWELL@ 2979	
	19:00 - 20:00	1.00	CIRC	1	PUMP 2PPG OVER FOR CAP & CONTROLL FLOW BACK ON DRILL STRING	

Questar E & P						Page 7 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/18/2007	20:00 - 23:00	3.00	TRP	10	PULL 19 STANDS & CIRC BTMS UP ( 30 TO 40' FLARE ) @ 11,200	
	23:00 - 00:00	1.00	CIRC	1	SPOT 16.2 MUD WT. @ 2450 STROKES & PUMP 1/2PPG OVER FOR CAP TO CONTROLL STRING FLOW	
	00:00 - 05:00	5.00	TRP	2	TRIP TO SHOE SLOW- WOULD NOT TAKE DISPLACEMENT OF PIPE	
10/19/2007	05:00 - 06:00	1.00	CIRC	1	CIRCULATE BTMS UP	
	06:00 - 07:30	1.50	CIRC	1	CIRC & COND. @ SHOE- 0-5' FLARE	
10/20/2007	07:30 - 08:00	0.50	WCL	3	FLOW CHECK- WELL FLOWINF 19 % STAND PIPE HELD 453 DOWN TO 280PSI IN 30 MIN AND GAINED 50 BBLs	
	08:00 - 12:00	4.00	TRP	2	TRIP OUT SPOT 16.2 35 BBL PILL AT SHOE CAPED W/ 15.3 35 BBL PILL AND TRIP 17 STAND SWABBING THE HOLE .5 TO 1.5 BBLs A STAND.	
	12:00 - 13:00	1.00	CIRC	1	CIRC BTMS UP- 1 TO 2' FLARE	
	13:00 - 22:30	9.50	TRP	2	TRIP OUT- PUMP 16.6 PILL TRIP OUT STILL SWABBING .5 TO 1 BBL PER STAND UNTIL 15 STANDS PULLED STARTED TO BREAK OVER AND TAKE FLUID 1.5 TO 2 BBLs OVER CALCULATION PER 5 STANDS.	
	22:30 - 02:30	4.00	TRP	2	TRIP IN- CHANGE OUT MOTOR AND PIU BIT SUB AND TRIP IN CHANGE ROTATING HEAD RUBBER TRIP 3700	
	02:30 - 03:00	0.50	CIRC	1	CIRC BTMS UP- 5' FLARE	
	03:00 - 05:00	2.00	TRP	2	TRIP IN 5895 SLOW	
	05:00 - 06:00	1.00	CIRC	1	CIRC & COND - WORKING ON GETTING VIS DOWN F/ 93	
	06:00 - 10:00	4.00	CIRC	1	CIRC. & COND.- VIS VERY HIGH 93 RUNDRILL THIN AND WATER TO DEHYDRATED MUD.	
	10:00 - 12:00	2.00	TRP	2	TRIP TO SHOE- WELL FLOWED BACK 80 BBLs 34 FLOWED PLUS 46 IN TOTAL DISPLACEMENT OF PIPE	
10/21/2007	12:00 - 14:30	2.50	CIRC	1	CIRC. & COND- STILL WORKING ON HIGH VIS MUD AND CIRC GAS OUT 15/20' FLARES	
	14:30 - 15:00	0.50	TRP	2	TRIP IN- TAG @ 9316	
	15:00 - 22:00	7.00	REAM	1	WASH & REAM F/9316- 9532	
	22:00 - 23:00	1.00	TRP	2	TRIP IN 10 STANDS F/9532 TO 10503	
	23:00 - 01:00	2.00	CIRC	1	CIRC & COND.- CIRC OUT GAS AND COND MUD	
	01:00 - 02:00	1.00	CIRC	1	TRIP IN 10 STANDS F/ 10503 TO 11500	
	02:00 - 04:00	2.00	CIRC	1	CIRC & COND- CIRC OUT HEAVY PILL AND MAINTAIN MUD WT 14.6 PPG. AND BUILD LCM CONTENT BACK UP TO 20%	
	04:00 - 05:30	1.50	TRP	2	TRIP IN F/ 11500 TO 12689	
	05:30 - 06:00	0.50	CIRC	1	CIRC AND COND.- CIRC BTMS UP	
	06:00 - 07:00	1.00	CIRC	1	CIRCULATE & CONDITION MUD - BIULD LCM CONTENT BACK UP & DROP THE HIGH VIS	
10/22/2007	07:00 - 17:30	10.50	REAM	1	WASH & REAM OUT OF GAGE HOLE FROM 12,642 TO 12,954	
	17:30 - 06:00	12.50	DRL	1	DRILL FROM 12,954 TO 13015	
10/23/2007	06:00 - 14:00	8.00	DRL	1	DRILL FROM 13,020 TO 13,143	
	14:00 - 16:00	2.00	CIRC	2	LOST FULL RETURNS & SHUT WELL IN & SPOT 1-40 BBL LCM POLY SWEEPS	
	16:00 - 17:30	1.50	TRP	2	OPEN UP WELL BORE & SINGLE OUT 9 JOINTS WITH KELLY @ 12807	
	17:30 - 18:30	1.00	CIRC	2	SPOT 1-40 BBL LCM POLY SWEEP & PUMP 40 BBLs DOWN THE ANNULAS	
	18:30 - 00:30	6.00	CIRC	6	BUILD VOLUME -PUMP 40BBLs MUD DOWN BACK SIDE TO SEE IF GET ANY RETURNS BUILD 200 BBL PREMIX	
	00:30 - 03:00	2.50	CIRC	1	CLOSE ANN. OPEN HCR- CIRC TROUGH CHOKE - STARTED SEEING FLARE @ 963 STKS-FLARE AROUND 80'- GOT RAW GAS @ 2670 STKS- HOLE TOOK 131 BBLs GOT FLOW BACK @ 5340	
	03:00 - 06:00	3.00	CIRC	1	OPEN UP ANN. AND STARTED CIRCULATING DOWN FLOW LINE THROUGH BUSTER STILL LOOSING MUD APPROX 150 BBLs MORE SO FAR. BUILDING LCM BACK UP AND VOLUME.	
10/23/2007	06:00 - 07:00	1.00	CIRC	2	SPOT ANOTHER POLY SWELL PILL @ 2730 STK	
	07:00 - 08:00	1.00	CIRC	1	LET POLLY PILL SET UP 45 MIN. MONITORING BACK SIDE WITH TRIP TANK	
	08:00 - 08:30	0.50	CIRC	1	CIRCULATE & TRANSFER MUD FROM PREMIX TO ACTIVE BRING LCM UP TO	

Questar E & P						Page 8 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/23/2007	08:00 - 08:30	0.50	CIRC	1	25%	
	08:30 - 12:00	3.50	CIRC	6	FILL TRIP TANK CIRC. OVER THE TOP TO MONITOR WELL WHILE BUILDING VOLUME FILL DRILL PIPE	
	12:00 - 14:00	2.00	CIRC	1	CIRC & COND. LOST APPROX. 80 BBLS DURING CIRCULATION	
	14:00 - 15:30	1.50	CIRC	6	CIRC ACROSS TOP WHILE BUILDING VOLUME-BUILD 200 BBLS PREMIX	
	15:30 - 18:00	2.50	CIRC	1	CIRC & COND. LOST APPROX 66 BBLS	
	18:00 - 19:30	1.50	CIRC	6	CIRCULATE ACROSS THE TOP AND BUILD VOLUME IN PREMIX 200 BBLS	
	19:30 - 20:30	1.00	TRP	3	TRIP OUT LD 6 JNTS 4"	
	20:30 - 22:00	1.50	CIRC	6	CIRCULAT ACROSS TOP AND BUILD VOLUME	
	22:00 - 02:00	4.00	CIRC	1	CIRC & COND. LOST APPROX. 51 BBLS	
	02:00 - 05:00	3.00	CMT	3	R/U HALLBURTON HOLD SAFETY MEETING AND SQUEEZE CEMENT INTO BTM FORMATION @ 13143	
	05:00 - 05:30	0.50	TRP	2	TRIP OUT 3 STANDS	
10/24/2007	05:30 - 06:00	0.50	CIRC	1	CIRC OUT CEMENT IF ANY ABOVE THE BIT	
	06:00 - 08:30	2.50	WOT	1	CIRCULATE & CONDITION MUD & WAIT ON CEMENT	
	08:30 - 22:00	13.50	REAM	1	REAM FROM 12,330 TO 12,837 & DRILL CEMENT STRINGERS	
	22:00 - 00:00	2.00	CIRC	1	CONDITION MUD & CIRCULATE ( HOLE HEAVING 1/2 TO 1" CUTTING @ 12,837 TO 12,804	
10/25/2007	00:00 - 06:00	6.00	REAM	1	WASH & REAM F/ 12837- 13129 & DRILL CEMENT STRINGERS	
	06:00 - 10:30	4.50	REAM	1	WASH & REAM 13,129 TO 13142 - COULD NOT MAKE BIT DRILL @ 13,142	
	10:30 - 12:00	1.50	CIRC	1	CIRC. & CONDITION MUD FOR TRIP	
	12:00 - 13:30	1.50	TRP	10	TOH 20 STANDS TO 11,100' - HOLE BALLONING GIVING BACK MUD TOTAL 50 BBL	
	13:30 - 15:00	1.50	CIRC	1	CIRC. BOTTOMS UP & SPOT 40 BBL. 16.2 PPG PILL AT 11,100' - WELL TOOK BACK 35 BBL. MUD WHILE CIRC. (BALLONING)	
	15:00 - 18:00	3.00	TRP	10	TOH TO SHOE MONITORING ON TRIP TANK - WELL FLOWED BACK 35 BBL. - AT 9500' WELL STOPPED FLOWING	
	18:00 - 19:00	1.00	CIRC	1	CIRC. BOTTOMS UP AT 8600'	
10/26/2007	19:00 - 03:30	8.50	TRP	10	TOH - AT 7300' HOLE STARTED TAKING CORRECT FILLUP	
	03:30 - 06:00	2.50	TRP	10	CHANGE BITS - TIH / FUNCTION ALL BOP COMPONENTS	
	06:00 - 10:00	4.00	TRP	10	TIH - CIRC @ 3000' - 6000' - DROPPED DRILL STRING FROM SNAG ON SLIPS - DROPPED 65 STANDS + 1 SINGLE D.P. & BHA	
					TOTAL LENGTH 7628.31'	
	10:00 - 16:30	6.50	FISH	5	TIH OPEN ENDED D.P. & TAG TOP OF FISH @ 5480.30'	
	16:30 - 20:00	3.50	CIRC	1	PICK UP 5' ABOVE FISH TOP - CIRC. & CONDITION MUD TO 14.6 MUD WT. IN/OUT	
	20:00 - 20:30	0.50	FISH	5	SCREW INTO FISH & ESTABLISH CIRC.	
	20:30 - 21:30	1.00	FISH	3	CIRC. OUT GAS - MAX 40' FLARE	
	21:30 - 03:30	6.00	FISH	3	JARRING UP ON FISH MAX 95K OVERPULL - STRING WT. 205,000 - MAX 300K FULL - JARS HITTING GOOD & FULL CIRC. WITH NO MUD LOSSES - JARRING UP WITH 50K OVER	
	03:30 - 06:00	2.50	FISH	3	CALLED SLAUGH FISHING SERVICES & CONTINUE JARRING ON STUCK PIPE WHILE WAITING ON FREEPOINT & FISHING TOOLS	
10/27/2007	06:00 - 11:00	5.00	FISH	3	JARRING STUCK DRILL STRING & WAIT ON FREE POINT TO ARRIVE - ONLY AVAILABLE PIPE RECOVERY WFD COMES FROM ROCK SPRINGS	
	11:00 - 14:30	3.50	FISH	4	R/U WFD WIRELINE FREE POINT TOOLS - RAN FREE POINT & TOOLS WOULD NOT PASS THROUGH SECOND JT. HWDP @ 11,950'	
	14:30 - 18:00	3.50	FISH	4	RAN BACKOFF STRING SHOT & TAGGED UP @ 12,921' - THIS IS 17' INTO SECOND DRILL COLLAR - PICKED UP INTO CONNECTION BETWEEN TOP 2 DCs & ATTEMPTED BACK OFF WITH STRING SHOT (400 GRAIN CHARGE) NO SUCCESS - PULL WL. OUT OF PIPE & FOUND WIRE LINE HAD PULLED OUT OF ROPE SOCKET & LEFT ROPE SOCKET AND SINKER BAR INSIDE DCs.	
	18:00 - 19:00	1.00	FISH	4	RETIE HEAD & ROPE SOCKET - WAIT ON WL. FISHING TOOLS TO ARRIVE	

Questar E & P						Page 9 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31-8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/27/2007	19:00 - 20:30	1.50	FISH	4	PU WFD WIRE LINE FISHING TOOLS - MADE RUN WITH O.S. & SPANG JARS - DID NOT CATCH FISH	
	20:30 - 22:00	1.50	FISH	4	ATTEMPT BACK OFF WITH STRING SHOT @ 12,827' - NO SUCCESS - DID NOT BACK OFF	
	22:00 - 00:30	2.50	FISH	4	WAIT ON FREE POINT TOOL TO ARRIVE LOCATION	
	00:30 - 02:30	2.00	FISH	4	RAN FREE POINT & FOUND PIPE FREE @ 12,796'	
	02:30 - 03:00	0.50	FISH	4	RIG UP STRING SHOT	
10/28/2007	03:00 - 05:00	2.00	FISH	4	RAN STRING SHOT & MADE SUCCESSFUL BACK OFF @ 12,774' - 3RD JT. HWDP ABOVE DRILL COLLARS	
	05:00 - 06:00	1.00	CIRC	1	CIRC. OUT ABOVE FISH	
	06:00 - 10:30	4.50	CIRC	1	CIRC. OUT GAS FROM ABOVE FISH & CONDITION MUD 14.6 PPG IN & OUT - MAX 25' FLARE - CONDITION MUD 14.6 PPG. IN & OUT	
	10:30 - 13:30	3.00	TRP	4	FISH LEFT IN HOLE BIT- BIT SUB - 9 EA. 5" DCs - XOVER - 3 JTS. 4 1/2 14# XT 39 HWDP - TOP OF FISH IN HOLE 12,774' - STRING SHOT TOOLS LEFT INSIDE FISH / ROPE SOCKET - SINKER BAR - CCL - CONTACT SUB - SHOT ROD 28' LENGTH	
	13:30 - 17:00	3.50	CIRC	1	TOH WITH FISH TO 10,000'	
10/29/2007	17:00 - 03:00	10.00	TRP	4	CIRC. & CONDITION OUT OF BALANCE MUD & PUMP SLUG	
	03:00 - 06:00	3.00	TRP	1	TOH WITH FISH SLOWLY TO PREVENT SWABBING - L/D 1 JT. BENT D.P. - L/D 2 JTS FROM FISH CONN. - L/D BOTTOM JT. HWDP - INSPECTED ALL HWDP & NO BAD CONNS. FOUND	
	06:00 - 13:30	7.50	FISH	5	MAKE UP SLAUGHS FISHING TOOLS - SIS - CIRC. SUB - BUMP SUB - JAR - 9 (4 3/4") DCs - INTENSIFIER - XOVER - TIH	
	13:30 - 16:00	2.50	CIRC	1	TIH WITH FISHING TOOLS - RETORQUE EA. D.P. CONNECTION	
	16:00 - 19:00	3.00	TRP	2	CIRC. & CONDITION MUD AT SHOE 8700'	
10/30/2007	19:00 - 20:30	1.50	CIRC	1	TIH & TAG FISH @ 12,774' W.L. MEASUREMENT	
	20:30 - 06:00	9.50	FISH	3	CIRC. OUT GAS & CONDITION MUD - MAX 25' FLARE	
	06:00 - 06:30	0.50	CIRC	1	SCREW INTO FISH AND ESTABLISH CIRC. - JARRING ON FISH	
	06:30 - 09:00	2.50	FISH	4	STRING WT. 195 K - JAR UP 285 K - MAX 300K PULL	
	09:00 - 11:00	2.00	FISH	4	TOP FISH 12,774' WFD W.L. MEASUREMENT	
10/31/2007	11:00 - 12:30	1.50	RIG	6	12,764' DRILLERS PIPE MEASUREMENT	
	12:30 - 13:00	0.50	TRP	15	CIRC. PUMP 16.2 DRY SLUG	
	13:00 - 16:00	3.00	CIRC	1	SET BACK KELLY & MAKE GAUGE RUN WITH WFD W.L. SINKER BAR 1 7/16" - TAG UP AT 12,913'	
	16:00 - 16:30	0.50	CIRC	1	RUN IN HOLE WITH FREE POINT TOOL	
	16:30 - 19:30	3.00	TRP	3	RUN IN HOLE WITH STRING SHOT. BACKED OFF WIRE LINE	
10/31/2007	19:30 - 06:00	10.50	REAM	1	MEASUREMENTS @ 12791'. RIG DOWN WIRE LINE CREW	
	06:00 - 08:00	2.00	TRP	15	TOOH WITH FISHING TOOLS. LEFT SLAUGH SCREW IN SUB IN HOLE. 3'36" LONG, 3 JTS. HWDP, XO, 9 DRILL COLLARS, XO, BIT. TOP OF FISH @ 12761' (SLM).	
	08:00 - 11:00	3.00	CIRC	1	HELD PRE JOB SAFETY MEETING. MAKE UP BIT, WEATHERFORD FULL GAUGE STRING REAMERS AND BHA.	
	11:00 - 12:30	1.50	RIG	6	TIH GAUGE RUN BEFORE RUNNING WHIP STOCK	
	12:30 - 13:00	0.50	TRP	15	TIH WITH 6 1/8" TRI CONE & WATERMELON MILLS FOR GAUGE RUN PRIOR TO LOGGING & RUNNING WHIPSTOCK	

Questar E & P						Page 10 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/1/2007	06:00 - 13:30	7.50	REAM	1	WASH & REAM FROM 9464' TO 9627'	
	13:30 - 14:00	0.50	RIG	4	CHANGE OUT ROTATING HEAD RUBBER	
	14:00 - 14:30	0.50	OTH		BUILD AND PUMP PILL	
	14:30 - 00:00	9.50	TRP	10	TOOH, LAY DOWN FULL GAUGE BHA, REAMERS AND BIT LOOK GOOD. BIT IN GAUGE, REAMERS 1/32 OUT	
11/2/2007	00:00 - 03:00	3.00	TRP	10	MAKE UP NEW BHA, TIH WITH BIT #10 TO 2872'	
	03:00 - 03:30	0.50	CIRC	1	BREAK CIRCULATION	
	03:30 - 06:00	2.50	TRP	10	TIH	
	06:00 - 07:00	1.00	TRP	2	TIH to csg. shoe @ 8800'	
	07:00 - 10:30	3.50	CIRC	1	Fill pipe, circulate	
	10:30 - 12:00	1.50	TRP	2	TIH to 9464'	
	12:00 - 15:00	3.00	REAM	1	Wash & Ream F/ 9464' - 9868'	
	15:00 - 15:30	0.50	TRP	2	TIH to 10190'	
	15:30 - 16:30	1.00	REAM	1	Wash & Ream F/ 10190' - 10290'	
	16:30 - 17:00	0.50	RIG	1	Lubricate rig	
11/3/2007	17:00 - 17:30	0.50	REAM	1	Wash & Ream F/ 10290' - 10321'	
	17:30 - 19:00	1.50	TRP	2	TIH to 12214'	
	19:00 - 04:30	9.50	REAM	1	Wash & Ream F/ 12214' - 12,798' - DRILLERS MEASUREMENTS TOP OF FISH 12,798'	
	04:30 - 06:00	1.50	CIRC	1	CIRC. & CONDITION MUD	
	06:00 - 12:30	6.50	CIRC	1	CIRC. & CONDITION MUD - SLUG PIPE & DROP SURVEY	
	12:30 - 17:30	5.00	TRP	2	TOH TO SHOE - SLM	
	17:30 - 18:00	0.50	RIG	1	SER. RIG	
	18:00 - 01:30	7.50	TRP	2	FINISH TOH FOR LOGS - SLM	
	01:30 - 02:30	1.00	LOG	1	SAFETY MEETING & RIG UP HALLIBURTON LOGGERS	
	02:30 - 06:00	3.50	LOG	1	RAN GR/NEU/RES. INDUCTION LOG - HOWCO TAGGED UP @ 12,740'	
11/4/2007					SLM TOP FISH 12,760.92	
					EXTENSION FOR BOP 30 DAY TEST GRANTED FOR 4 DAYS EMAIL FROM JIM ASHLEY BLM	
	06:00 - 08:00	2.00	LOG	1	FINISH OPEN HOLE LOGGING, LOGGERS TD @ 12740', DRILL PIPE STRAP 12761'	
	08:00 - 08:30	0.50	RIG	2	RIG SERVICE, CROWN AND BLOCKS , ETC.	
	08:30 - 10:00	1.50	WOT	4	WAIT ON REAMERS, RIGGING UP STEAM LINES, CONDITIONING MUD	
	10:00 - 11:30	1.50	TRP	1	MAKE UP BHA, UNDERGAUGE REAMERS FOR WHIPSTOCK	
	11:30 - 12:30	1.00	TRP	15	TIH WITH REAMERS	
	12:30 - 15:00	2.50	TRP	2	TOOH TO PICK UP WEATHERFORD WHIPSTOCK TOOL	
	15:00 - 18:00	3.00	TRP	15	MAKE UP BIT, AND SLJCK ASSEMBLY, GAS BUBBLING ABOVE ROTARY TABLE, TIH TO 3900'	
	18:00 - 19:00	1.00	CIRC	1	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG	
11/5/2007	19:00 - 20:00	1.00	TRP	15	TIH TO 6182'	
	20:00 - 21:30	1.50	TRP	15	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG	
	21:30 - 23:00	1.50	TRP	15	PUMP 20 BBL PILL AND TIH TO 8715'	
	23:00 - 00:30	1.50	CIRC	1	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG	
	00:30 - 01:30	1.00	TRP	15	PUMP 20 BBL PILL AND TIH TO 10463'	
	01:30 - 03:30	2.00	CIRC	1	CIRCULATE GAS OUT AND CONDITION MUD TO 14.5+	
	03:30 - 04:30	1.00	TRP	15	TIH TO 12,400'	
	04:30 - 06:00	1.50	CIRC	1	CIRC. OUT GAS * CONDITION MUD	
	06:00 - 07:00	1.00	CIRC	1	CIRC. & CONDITION MUD TO 14.8 IN/OUT @ 12,400'	
	07:00 - 08:30	1.50	TRP	2	SLUG & LD. 12 JTS. D.P.	
08:30 - 09:00	0.50	TRP	2	RAN LAST 4 STANDS D.P. IN HOLE FROM DERRICK		
09:00 - 11:30	2.50	REAM	1	REAM FROM 12,450' TO 12,657'		

Questar E & P						Page 11 of 11
Operations Summary Report						
Well Name: NBZ 8D-31-8-24 ST-1			Spud Date: 8/31/2007			
Location: 31- 8-S 24-E 26			Rig Release:			
Rig Name: UNIT			Rig Number: 111			
Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/5/2007	11:30 - 13:30	2.00	CIRC	2	HOLE TAKING MJD WITH 14.8 / 14.9 MJD WT. - PUMP LCM SWEEPS & LOWER MJD WT. TO 14.7 - LOST 260 BBL. MJD TOTAL BEFORE LOSSES STABILIZED	
	13:30 - 16:00	2.50	REAM	1	REAMED FROM 12,657' TO TOP OF FISH 12,762'	
	16:00 - 21:00	5.00	CIRC	1	CIRC. & CONDITION FOR CEMENT PLUG, WAIT ON HALLIBURTON	
	21:00 - 00:00	3.00	CIRC	1	RIG UP HALLIBURTON, HOLE PRE JOB SAFETY MEETING, CIRCULATE	
	00:00 - 02:00	2.00	CMT	4	TEST LINES TO 1500 PSI. SET 150 SX BALANCE PLUG. 17.5 PPG, .94 YIELD, 3.33 GAL/SK, ESTIMATED TOP OF CEMENT @ 12069',	
	02:00 - 03:00	1.00	TRP	2	TOOH TO 11924	
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE AND CONDITON HOLE	
	04:00 - 06:00	2.00	TRP	2	TOOH	
	11/6/2007	06:00 - 07:30	1.50	TRP	2	TOOH - SPOT 40 BBL. 16.2 @ 10,000' & 8700' - HOLE BALLONING HOLE STOPPED BALLONING @ 7000' & STARTED TAKING CORRECT FILLUP
		07:30 - 08:30	1.00	CIRC	1	NOTIFIED BLM CLIFF JOHNSON OF UPCOMING BOP TEST BY TELEPHONE BUILD 40 BBL 16.2 SLUG AND PUMP
08:30 - 09:30		1.00	TRP	2	TOOH TO 8700'	
09:30 - 10:30		1.00	CIRC	1	BUILD 40 BBL 16.2 SLUG AND PUMP	
10:30 - 17:30		7.00	TRP	2	TOOH	
17:30 - 22:00		4.50	BOP	2	TEST BOP AND ALL VALVES AND LINES, CHOKE MANIFOLD TO 250 PSI LOW AND 10000 PSI HIGH (OK). TEST HYDRILL TO 250 PSI LOW AND 5000 PSI HIGH (OK).	
22:00 - 22:30		0.50	BOP	2	RIG DOWN BOP TESTER	
22:30 - 01:00		2.50	TRP	2	TIH WITH SLICK DRILLING ASSEMBLY to 3005'	
01:00 - 01:30		0.50	CIRC	1	FILL PIPE	
01:30 - 03:00		1.50	TRP	2	TIH TO 6019'	
11/7/2007	03:00 - 03:30	0.50	CIRC	1	FILL PIPE	
	03:30 - 05:00	1.50	TRP	2	TIH TO SHOE	
	05:00 - 06:00	1.00	RIG	6	CUT DRILL LINE	
	06:00 - 07:00	1.00	RIG	6	SLIP & CUT DRILL LINE - CIRC. AT 8750' WHILE CUTTING LINE	
	07:00 - 09:00	2.00	TRP	2	TIH TO 11000'	
	09:00 - 11:30	2.50	CIRC	1	CIRCULATE BOTTOMS UP	
	11:30 - 13:30	2.00	TRP	2	TOOH 27 JTS LAYING DOWN PIPE	
	13:30 - 14:30	1.00	TRP	2	TIH LAST STANDS FROM DERRICK TO 10870' - DERRICK CLEANED UP	
	14:30 - 15:00	0.50	TRP	2	WASH & REAM F/ 10870' - 10910'	
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE	
15:30 - 17:30	2.00	DRL	4	DRILLED CEMENT FROM 12,037' TO 12,052' - @ 12052' 12K WOB AND CEMENT WOULD NOT DRILL OFF - PLUG BACK IS HARD & SOLID		
17:30 - 19:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL		
19:00 - 06:00	11.00	TRP	2	PUMPED PILL TO DRY PIPE FOR TRIP - BIT PLUGGED, TOOH WITH WET DRILL STRING, SLM - TRIED THREE TIMES TO UNPLUG STRING WITH NO SUCCESS.		

CONFIDENTIAL

43-047-37238

Questar E & P Page 1 of 15

## Operations Summary Report

Well Name: NBZ 8D-31-8-24 ST-2 Spud Date: 8/31/2007  
 Location: 31- 8-S 24-E 26 Rig Release:  
 Rig Name: UNIT Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/30/2007	06:00 - 00:00	18.00	LOC	3	MIRU
	00:00 - 05:00	5.00	DRL	1	DRILLED 0 / 1190'
	05:00 - 06:00	1.00	TRP	10	BIT TRIP
8/31/2007	06:00 - 20:30	14.50	DRL	1	DRILL 1190' / 1820' - WATER FLOW @ 1630'
	20:30 - 01:30	5.00	TRP	10	BIT TRIP
	01:30 - 06:00	4.50			DRILL 1820' / 1990'
9/1/2007	06:00 - 13:00	7.00	DRL	1	DRILL 1990' / 2260'
	13:00 - 14:00	1.00	TRP	3	L.D.D.P.
	14:00 - 16:30	2.50	CSG	2	RAN 2210' 9 5/8" 36# CASING
	16:30 - 17:00	0.50	CMT	2	CEMENT CASING 760 SKS. CLASS G
9/11/2007	17:00 - 06:00	13.00	LOC	8	R/D & RELEASE RIG
	06:00 - 19:00	13.00	LOC	3	MOVE IN RIG 90% MOVED IN - SET MAT BOARDS / SUB BASE / INSTAL SPREADER BEAMS ON SUB
9/12/2007	19:00 - 06:00	11.00	LOC	4	NOTIFIED CLIFF JOHNSON BLM OF MOVING ON LOCATION
	06:00 - 18:00	12.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT
9/13/2007	18:00 - 06:00	12.00	LOC	4	R/U RIG 35% - REPAIR DWKS BRAKES & DRUM - BREAK DOWN DERRICK FOR INSPECTION - TRUCKS RELEASED @ 1700 HR.
	06:00 - 18:00	12.00	LOC	4	RIG IDLE WAITING ON DAYLIGHT
9/14/2007	18:00 - 06:00	12.00	LOC	4	RIG UP 45%- SAND BLAST PIN POCKETS ON DERRICK,A-LEGS,DERRICK SHOES, DEAD-MAN ACHOR,CROWN AND CRAZE WHEEL. MAGNA FLUX SAME.- CHANGED OUT BREAK FLANGES ON DWKS. CHANGED RADIATOR ON # 2 PUMP MOTOR AND WORK ON ACHORS FOR NEW FLARE LINES
	06:00 - 18:00	12.00	LOC	4	RIG IDLE WAIT ON DAYLIGHT
9/15/2007	18:00 - 06:00	12.00	LOC	4	RIG UP - PUT DWKS BACK TOGETHER,PRIMER AND PAINT SPOT ON DERRICK THAT WAS CHECKED, HELP WELDERS BUILD FLARE LINE ACHORS AND PUT FLARE LINE TOGETHER.
	06:00 - 18:00	12.00	LOC	4	RIG UP - 70% - PUT DERRICK BACK TOGETHER AFTER INSPECTIONAND FINISH SETTING RIG IN - FLARE BOX AND BAR HOPPERS
9/16/2007	18:00 - 06:00	12.00	LOC	4	RIG IDLE - WAIT ON DAYLIGHT
	06:00 - 06:00	24.00	LOC	4	RIG UP - 100%- STRING UP BLOCKS, PREPARE DERRICK TO RAISE,BURN IN NEW BREAK PADS, RAISE DERRICK, RIG UP FLOOR AND ROTARY TOOLS, KELLY AND SWIVELAND FINIISH UP WITH FLARE LINES AND ANCHORS
9/17/2007	06:00 - 10:00	4.00	WHD	1	CUT OFF CASING AND CONDUCTOR AND WELD ON 9 5/8 WELL HEAD AND TEST TO 1000 PSI
	10:00 - 11:00	1.00	WHD	1	LET WELL HEAD COOL DOWN
	11:00 - 00:30	13.50	BOP	1	NIPPLE UP 5M BOPS, NIPPLE UP BOTH SIDES MANUAL VALVES. CHOKE HOSE & WELD FLOW TO FIT ROTATING HEAD.
	00:30 - 01:30	1.00	BOP	1	TORQUE UP KELLY F/ TESTING
	01:30 - 06:00	4.50	BOP	2	TEST BOPS- TEST KELLY VALVES LOW (250 PSI) 5 MIN HIGH ( 5000 PSI) 10 MIN- FLOOR VALVES, PIPE RAMS, BLIND RAMS, MANUAL VALVES, HCR, AND CHOKE MANIFOLD, (250 PSI) LOW 5 MIN ( 5000 PSI) HIGH 10 MIN.- ANNULAR (250 PSI ) LOW 5 MIN ( 3500 PSI ) HIGH 10 MIN
9/18/2007	06:00 - 07:00	1.00	EQT	1	PUMP UP AND TEST CASING (1500 PSI ) 15 MIN
	07:00 - 08:00	1.00	BOP	1	INSTALL WEAR BUSHING
	08:00 - 11:00	3.00			STRAP BHAAND CLEAN UP SUB AND FLOOR AFTER NIPPLE UP AND TEST
	11:00 - 16:00	5.00	RIG	2	REPAIR DWKS BRAKES WOULD NOT MOVE BLOCKS WITHOUT REVERSE BLOCK DOWN. ADJUSTED AND AND CHANGE THE SPRING PLACEMENT.
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 22:00	5.50	TRP	1	PICK UP 8 3/4- 504 ZX, SQUARE MOTOR, BHA AND 4 1/2 DP.
	22:00 - 22:30	0.50			LEVEL DERRICK
	22:30 - 01:30	3.00	TRP	3	CONTINUE PICKING UP 4 1/2 DP
	01:30 - 04:00	2.50	RIG	2	RIG REPAIR- WORK ON CATHEAD MAKEUP SIDE THE CHAIN WILL SUCK IN

Printed: 12/3/2007 10:31:01 AM

RECEIVED

DEC 03 2007

DIV. OF OIL, GAS & MINING

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/18/2007	01:30 - 04:00	2.50	RIG	2	THE CATHEAD AT A FAST RATE OF SPEED WITH OUT USING THE LEVER SHUT DOWN TO FIX ALLSO THE KELLY SPINNERS NOT WORKING. GOT KELLY SPINNERS WORKING
	04:00 - 05:00	1.00			LEVEL DERRICK
	05:00 - 06:00	1.00	BOP	1	INSTALL ROTATING RUBBER AND OILER LINES
9/19/2007	06:00 - 06:30	0.50			TEST PUMPS & R/U WIRE LINE MACHINE
	06:30 - 07:00	0.50	RIG	1	RIG SERVICE
	07:00 - 10:00	3.00	DRL	1	TAG UP CEMENT @ 2165 DRLG CEMENT F/ 21650- 2260- FLOAT COLLAR @ 2181 & SHOE @ 2225
	10:00 - 11:00	1.00	DRL	1	DRLG F/ 2260 - 2273- PUMP SWEEP
	11:00 - 11:30	0.50	EQT	2	FIT TEST - F/11.6 PPG - W/ 8.3 PPG- PUMPED UP 400 PSI BLED BACK TO 377 PSI IN 15MIN.- MUD EQUIV. TO 11.46 PPG
	11:30 - 12:00	0.50	SUR	1	WIRE LINE SURVEY- @ 2194 INC. 3.0
	12:00 - 17:00	5.00	DRL	1	DRLG F/ 2273-2425
	17:00 - 17:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2360 INC. 3.2
	17:30 - 05:00	11.50	DRL	1	DRLG F/ 2425- 2867
	05:00 - 05:30	0.50	SUR	1	WIRE LINE SURVEY- @ 2797
	05:30 - 06:00	0.50	DRL	1	DRLG F/2867-2898
9/20/2007	06:00 - 10:00	4.00	DRL	1	DRLG F/ 2898 - 3054
	10:00 - 10:30	0.50	DRL	1	WORK ON PUMPS
	10:30 - 11:00	0.50	DRL	1	DRLG F/ 3054 -3086
	11:00 - 11:30	0.50	RIG	1	RIG SERVICE - CHANGE OUT AIR MOTOR F/ AUTO DRILLER AND PUMP UP WT. INDACATOR.
	11:30 - 16:00	4.50	DRL	1	DRLG F/ DRLG F/ 3086 - 3366
	16:00 - 17:00	1.00	SUR	1	CIRC& SURVEY @ 3251 INC. 2.2
	17:00 - 01:30	8.50	DRL	1	DRLG F/ 3366-3926
	01:30 - 02:30	1.00	SUR	1	CIRC & SURVEY @ 3856 2.3
	02:30 - 06:00	3.50	DRL	1	DRLG F/ 3926-4130
9/21/2007	06:00 - 11:30	5.50	DRL	1	DRLG F/ 4130-4425
	11:30 - 12:30	1.00	SUR	1	CIRC & SURVEY- @ 4349 2.0 INC
	12:30 - 15:30	3.00	DRL	1	DRLG F/ 4425- 4642
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE
	16:00 - 21:00	5.00	DRL	1	DRLG F/ 4642- 4922
	21:00 - 22:00	1.00	SUR	1	CIRC. & SURVEY @ 4852
	22:00 - 06:00	8.00	DRL	1	DRLG F/ 4922- 5310
9/22/2007	06:00 - 08:30	2.50	DRL	1	DRLG F/ 5310-5420
	08:30 - 09:30	1.00	SUR	1	CIRC & SURVEY @ 5344 INC 2.7
	09:30 - 16:00	6.50	DRL	1	DRLG F/ 5420 - 5605
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 04:30	12.00	DRL	1	DRLG F/ 5605-5944
	04:30 - 05:30	1.00	SUR	1	CIRC & SURVEY @ 5874 MISRUN
9/23/2007	05:30 - 06:00	0.50	DRL	1	DRLG F/ 5944-5954
	06:00 - 06:30	0.50	DRL	1	DRLG F/ 5954-5976
	06:30 - 07:30	1.00	SUR	1	CIRC & SURVEY @ 5900 INC. 2.5
	07:30 - 16:00	8.50	DRL	1	DRLG F/ 5976- 6282
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 22:00	5.50	DRL	1	DRLG F/ 6282- 6468
	22:00 - 23:00	1.00	SUR	1	CIRC & SURVEY @ 6399 2.6
	23:00 - 06:00	7.00	DRL	1	DRLG F/ 6468-6568
9/24/2007	06:00 - 13:30	7.50	DRL	1	DRLG F/ 6658-6830- MOTOR PRESSURED UP
	13:30 - 14:30	1.00	CIRC	1	CIRC. BTM UP
	14:30 - 16:00	1.50	TRP	13	TRIP OUT MOTOR STARTED TO PRESSURE UP
	16:00 - 16:30	0.50			FLOW CHECK- THE TRIP TANK NOT WORK RIGHT PASON PROBLEM-

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/24/2007	16:00 - 16:30	0.50			STRAPED TANK TO KEEP TRACK - FLOW WENT FROM 3/4" FLOW TO NOTHING, I THINK JUST FLOW LINE DRIPING BECAUSE IT QUIT FAST.
	16:30 - 20:30	4.00	TRP	13	FINISH TRIPPING OUT OF HOLE- HOLE TOOK 23 BBLs OVER CALCULATIONS
	20:30 - 22:30	2.00	TRP	1	CHANGE OUT MOTOR & BIT- WENT F/ SQUARE .25 TO A HUNTING .15
	22:30 - 00:30	2.00	TRP	2	TRIP IN TO SHOE
	00:30 - 01:00	0.50	CIRC	1	INSTALL ROTATING RUBBER & BREAK CIRC.
	01:00 - 03:30	2.50	TRP	2	FINISH TRIP IN HOLE IN GOOD SHAPE
	03:30 - 04:30	1.00	REAM	1	SAFETY REAM F/6789-6830
	04:30 - 06:00	1.50	DRL	1	DRLG F/ 6830-6870
9/25/2007	06:00 - 11:00	5.00	DRL	1	DRLG F/ 6870-6973
	11:00 - 12:00	1.00	SUR	1	CIRC & SURVEY @ 6890- INC 3.0
	12:00 - 15:00	3.00	DRL	1	DRLG F/ 6973-7065
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE
	15:30 - 03:00	11.50	DRL	1	DRLG F/ 7065-7345
	03:00 - 04:00	1.00	SUR	1	CIRC. & SURVEY @ 7269-INC 2.8
9/26/2007	04:00 - 06:00	2.00	DRL	1	DRLG F/7345-7392
	06:00 - 16:00	10.00	DRL	1	DRLG F / 7392- 7622
	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
9/27/2007	16:30 - 04:00	11.50	DRL	1	DRLG F/7622- 7777 - LAST 10 HRS AVG. 12.4 FT HR
	04:00 - 05:00	1.00	CIRC	1	CIRC BTM'S UP
	05:00 - 06:00	1.00	SUR	1	DROP SURVEY & PUMP PILL
	06:00 - 10:30	4.50	TRP	10	TOH CHANGE BITS
9/28/2007	10:30 - 16:30	6.00	TRP	10	TIH BIT # 3 504 ZX
	16:30 - 17:00	0.50	REAM	1	WASH 60' TO BOTTOM AS PRECAUTION
	17:00 - 06:00	13.00	DRL	1	DRILLED FROM 7777' TO 7990'
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 7990' TO 8211'
	15:30 - 16:00	0.50	RIG	1	SER. RIG
9/29/2007	16:00 - 23:30	7.50	DRL	1	DRILLED FROM 8211' TO 8300' - ROP DROPPED OFF TO 6' HR.
	23:30 - 01:00	1.50	CIRC	1	CIRC. & CONDITION MUD FOR BIT TRIP
	01:00 - 06:00	5.00	TRP	10	TOH WITH BIT #3
	06:00 - 09:00	3.00	TRP	10	FINISHED TOH CHANGE BITS & MUD MOTOR (HUNTING 0.15)
	09:00 - 10:00	1.00	TRP	10	TIH TO 2200'
	10:00 - 11:30	1.50	RIG	6	CUT DRILL LINE
	11:30 - 14:00	2.50	TRP	10	TIH BIT # 4
9/30/2007	14:00 - 14:30	0.50	REAM	1	WASH & REAM 60' TO BOTTOM - PRECAUTION
	14:30 - 15:00	0.50	DRL	1	DRILLED FROM 8300' TO 8303'
	15:00 - 15:30	0.50	RIG	1	SER. RIG
	15:30 - 03:30	12.00	DRL	1	DRILLED FROM 8303' TO 8457'
	03:30 - 04:00	0.50	RIG	2	REPAIR LINE GUIDE
	04:00 - 06:00	2.00	DRL	1	DRILLED FROM 8457' TO 8492'
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 8492' TO 8643'
	15:30 - 16:00	0.50	RIG	1	SER. RIG
	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 8643' TO 8762'
	10/1/2007	06:00 - 11:00	5.00	DRL	1
					NOTIFIED BLM (CLIFF JOHNSON VOICE MAIL 0 OF UPCOMING CASING & CEMENT JOB
	11:00 - 12:00	1.00	CIRC	1	PUMP HI VIS SWEEP & CIRC. AROUND
	12:00 - 13:00	1.00	TRP	14	10 STAND WIPER TRIP - HOLE SLICK
	13:00 - 15:00	2.00	CIRC	1	PUMP HI VIS SWEEP & CIRC. OUT
	15:00 - 21:00	6.00	TRP	2	TOH - SLM - L/D M.M. - MONEL - 2 STBS.
	21:00 - 22:00	1.00	LOG	1	SAFETY MEETING & RIG UP LOGGING ADAPTOR & HOWCO LOGGING TOOLS
	22:00 - 02:00	4.00	LOG	1	RAN TRIPLE COMBO FROM 8800' TO 2262'

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/1/2007	02:00 - 03:00	1.00	LOG	1	R/D HOWCO LOGGING TOOLS
	03:00 - 06:00	3.00	TRP	15	TIH WITH TRICONE BIT & SLICK BHA
10/2/2007	06:00 - 07:30	1.50	TRP	15	TIH TRICONE BIT SLICK BHA
	07:30 - 09:00	1.50	REAM	1	WASH & REAM 120' TO BOTTOM AS PRECAUTION - NO FILL
	09:00 - 10:00	1.00	CIRC	1	CIRC. BOTTOMS UP
	10:00 - 10:30	0.50	TRP	3	SAFETY MEETING - R/U L/D TRUCK
	10:30 - 15:00	4.50	TRP	3	L.D.D.P. 4 1/2"
	15:00 - 16:00	1.00	RIG	2	REPAIR BREAK OUT LINE
	16:00 - 20:30	4.50	TRP	3	L.D.D.P.
	20:30 - 21:00	0.50	OTH		PULL WEAR BUSHING
	21:00 - 00:00	3.00	CSG	1	R/U ROCKY MOUNTAIN CASING TOOLS
	00:00 - 06:00	6.00	CSG	2	RAN 7" - 26# - P-110 CASING
10/3/2007	06:00 - 06:30	0.50	CIRC	1	CIRC. CASING @ 5000'
	06:30 - 11:30	5.00	CSG	2	RAN 7" 26# P-110 LT&C CASING TOTAL 192 JTS
	11:30 - 14:00	2.50	CIRC	1	CASING STACKED OUT @ 8754 - CIRC. AND CONDITION MUD TO 11.2 IN 11.2OUT - HEAVY PACKING OFF TRYING TO GET PAST 8754 - LARGE AMOUNT OF HEAVING SHALE OVER SHAKERS - AFTER 2 HRS. SHALE CLEARED UP BUT CONTINUE PACKING OFF BELOW 8754'
	14:00 - 16:00	2.00	CMT	1	SHOE @ 8800' - FLOAT @ 8753'
	16:00 - 20:00	4.00	CMT	2	RIG UP HOWCO CEMENTERS - CIRC. WHILE RIGGING UP CEMENTERS - SAFETY MEETING CEMENT WITH 300 SK. 11 # HI FILL YLD 3.84 LEAD SLURRY - 950 SK. 14.3 YLD. 1.24 POZ PREM TAIL - DISPLACED W/334 BBL. 11.2 MUD - NO CEMENT TO SURFACE - BUMP PLUG 3000 PSI. - FLOATS HELD
	20:00 - 20:30	0.50	CMT	1	RIG DOWN HOWCO CEMENTERS
	20:30 - 23:30	3.00	BOP	1	UNBOLT BOP STACK
	23:30 - 01:30	2.00	CSG	7	LIFT STACK - SET CSG. SLIPS WITH 200K WT. ON SLIPS - ROUGH CUT CASING
	01:30 - 05:00	3.50	BOP	1	NIPPLE DOWN & LAY OUT BOPS
	05:00 - 06:00	1.00	WHD	1	DRESS CASING STUB & NIPPLE UP B SECTION DRESS 7" CASING STUB - NIPPLE UP B SECTION
10/4/2007	06:00 - 06:30	0.50	WHD	1	NOTIFIED BLM CLIFF JOHNSON VOICE MAIL OF CASING & CEMENT JOB AND GAVE NOTICE ON TESTING BOPS @ 0430 HRS. 10/03/2007 NIPPLE UP 7 1/16 10K X 11" 5K B SECTION
	06:30 - 14:30	8.00	BOP	1	TEST 5K
	14:30 - 20:30	6.00	BOP	2	N/U BOP & PRESSURE CONTROL EQUIPMENT & P/U KELLY TEST BOP BLIND/PIPE RAMS 250/10K - CHOKE & KILL MANIFOLD HCR VALVE AND ALL GATE VALVES 250/10K - TIW KELLY COCKS & IBOP 250/10K - HYDRIL 250/5000 - EA. TEST 10 MIN. CHARTED BY B&C TESTERS - TEST CASING 1500 PSI. 30 MIN. KOOMY FUNCTION & PRECHARGE
	20:30 - 23:30	3.00	BOP	1	NIPPLE UP ROTATING HEAD & ATTEMPT TO HOOK UP FLOW LINE - WOULD NOT LINE UP - CALLED WELDER
	23:30 - 02:30	3.00	OTH		LAY OUT & STRAP SLIM HOLE BHA & 4" D.P. CHANGE LINERS SWABS IN MUD PUMPS FROM 6" TO 5" R/U LAY DOWN TRUCK
	02:30 - 05:00	2.50	BOP	1	WELDER REFAB & FINISH HOOK UP FLOW LINE
10/5/2007	05:00 - 06:00	1.00	TRP	1	P/U SLIM HOLE BHA
	06:00 - 13:00	7.00	TRP	1	P/U SLIM HOLE DRILL STRING tih to 4000'
	13:00 - 16:00	3.00	TRP	2	DRILL STRING PLUGGED - TOH WET PIPE - FOUND FLOAT IN TOP OF MUD MOTOR UPSIDE DOWN

Operations Summary Report

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/5/2007	16:00 - 18:30	2.50	TRP	2	TIH TO 4000' & FILL PIPE
	18:30 - 19:00	0.50	CIRC	1	CIRC.
	19:00 - 23:30	4.50	TRP	1	P/U 4" D.P.
	23:30 - 00:00	0.50	CIRC	1	CIRC. @ 8078'
	00:00 - 01:00	1.00	TRP	1	P/U 4" D.P. TAG OUT @ 8623'
	01:00 - 01:30	0.50	OTH		R/D LAY DOWN TRUCK
	01:30 - 05:00	3.50	DRL	4	DRILL CEMENT FROM 86433' - 8800 + 10' NEW HOLE'
	05:00 - 05:30	0.50	EQT	2	FIT - 13.59 EMW
	05:30 - 06:00	0.50	DRL	1	DRILLED FROM 8800 TO 8842'
	10/6/2007	06:00 - 15:30	9.50	DRL	1
15:30 - 16:00		0.50	RIG	1	SER. RIG
10/7/2007	16:00 - 06:00	14.00	DRL	1	DRILLED FROM 9332' TO 10,137'
	06:00 - 16:30	10.50	DRL	1	DRILLED FROM 10,137' TO 10,498'
10/8/2007	16:30 - 17:00	0.50	RIG	1	SER. RIG
	17:00 - 06:00	13.00	DRL	1	DRILLED FROM 10,498' TO 10,950'
	06:00 - 13:00	7.00	DRL	1	DRILLED FROM 10,950' TO 11,210' - RAISING MUD WT. TO 12.9
	13:00 - 13:30	0.50	CIRC	1	CIRC. & FINISH RAISING MUD WT. TO 12.9
	13:30 - 15:30	2.00	DRL	1	DRILLED FROM 11,210' TO 11,295'
	15:30 - 17:30	2.00	CIRC	1	CIRC. OUT GAS FROM 20 BBL. PIT GAIN & RAISE MUD WT. TO 13.3
	17:30 - 20:00	2.50	DRL	1	DRILLED FROM 11,295' TO 11,438' - RAISING MUD WT. TO 13.4
	20:00 - 23:00	3.00	OTH		CIRC. WITH 13.4 MUD WT. & WAIT ON BARITE BULK TRUCKS
	23:00 - 02:00	3.00	DRL	1	DRILLED FROM 11,438' TO 11,612' - MUD WT. 13.6
	02:00 -		CIRC	1	GAS BUBBLE TO SURFACE TOOK 40 BBL. PIT GAIN AND 60' FLARE - SHUT IN
10/9/2007	06:00 - 07:30	1.50	CIRC	1	AND CIRC. & CONDITION MUD WT. TO 13.9 GOING THRU THE CHOKE
	07:30 - 15:30	8.00	DRL	1	CIRC. OUT GAS ON CHOKE & BRING UP MUD WT. FROM 13.6 TO 13.9 - FLARE 40'
	15:30 - 16:00	0.50	RIG	1	DRILLED FROM 11,612' TO 11,860'
10/10/2007	16:00 - 06:00	14.00	DRL	1	SER. RIG
	06:00 - 15:30	9.50	DRL	1	DRILLED FROM 11,860' TO 12,127'
	15:30 - 16:00	0.50	RIG	1	DRILLED FROM 12,127' TO 12,346'
10/11/2007	16:00 - 06:00	14.00	DRL	1	SER. RIG
	06:00 - 14:30	8.50	DRL	1	DRILLED FROM 12,346' TO 12,630'
	14:30 - 17:00	2.50	CIRC	1	DRILLED FROM 12,630' TO 12768
	17:00 - 17:30	0.50	RIG	1	CIRC & COND RAISE MUD WT TO 14.8PPG
	17:30 - 19:30	2.00	DRL	1	RIG SERVICE
	19:30 - 20:00	0.50	REAM	1	DRLG F/ 12768 TO 12800
	20:00 - 23:30	3.50	CIRC	6	WASH & REAM TIGHT CONNECTION
	23:30 - 01:00	1.50	DRL	1	CIRC. & COND BUILD VOLUME LOST PARTIAL RETURNS APPROX. 150 BBL. PUMP SWEEPS GOT ALL RETURNS BACK
10/12/2007	01:00 - 06:00	5.00	CIRC	6	DRLF F/ 12800 TO 12819
	06:00 - 12:00	6.00	CIRC	6	CIRC. & COND. BUILD VOLUME LOST PARTIAL RETURNS AGAIN LOST APPROX. 100 BBL. MAINTANE MUD WT. 14.7 PPG. AIR BLOWER F/ BAR HOPPER WENT DOWN HAD TO REPLACE OUT OF EVANSTON WYO. USE SACK BAR WHILE WAITING
	12:00 - 13:30	1.50	DRL	1	CIRC. & BUILD MUD VOLUME & WT. 14.6 PPG - LOST APPROX. 150 BBL.
	13:30 - 14:00	0.50	RIG	1	DRLG F/ 12819 TO 12833
	14:00 - 03:30	13.50	DRL	1	RIG SERVICE
10/13/2007	03:30 - 06:00	2.50	CIRC	6	DRLG F/ 12833 TO 12931- PUMP LCM SWEEPS AFTER EACH CONN. AND DURING AS NEED FOR SEEPAGE
	06:00 - 06:00	24.00	CIRC	6	CIRC. BUILD VOLUME PACK OFF & SEEPAGE BUILD VOLUME LOST APPROX. 140 BBL. CIRC. AND ATTEMPT TO RAISE MUD WT. TO 15PPG AND LOST MOST RETURN AT A 14.6 PPG PUMP HIGH LCM SWEEPS AND WORKING ON

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/13/2007	06:00 - 06:00	24.00	CIRC	6	RAISING THE ACTIVE TO 15% OR BETTER IN LCM. LOST APPROX. 480 BBLS IN 24 HRS.HOLE ACTING OK.
10/14/2007	06:00 - 08:30	2.50	CIRC	6	CIRC & COND. BUILD VOLUME MUD WT. 15 PPG, BUILD LCM CONTENT TO 20 %
	08:30 - 14:30	6.00	DRL	1	DLRG F/ 12931 TO 12954
	14:30 - 06:00	15.50	CIRC	6	CIRC& COND. BUILD VOLUME, RAISE MUD WT 15 PPG. BUIKLD LCM CONTENT TO 20%
10/15/2007	06:00 - 15:00	9.00	CIRC	6	CIRC. & COND.BRING LCM CONTENT TO 20% STABLIZE MUD WT. TO 14.8 USED 80 BBLS OF 15.5 MUD TO FEED IN SYSTEM
	15:00 - 16:00	1.00	WCL	3	FLOW CHECK - FIRST 15 MIN 2.5 BBLS TO 1.4 BBLSMIN-SECOND 15 MIN 1.4 BBLS TO .77 BBLS MIN-THIRD 15 MIN. .77 BBLS STEADY.
	16:00 - 17:30	1.50	CIRC	6	CIRC. COND. - CIRC BTMS UP AFTER FLOW CHECK ANDMAINTAIN MUD WT 14.8 PPG AND LCM CONTENT 20% BUILD VOLUME
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE
	18:00 - 02:30	8.50	CIRC	1	CIRC AND COND. PLANS TO DO A 10 STD SHORT TRIPSPOTED A 16.8 PPG PILL WOULD NOT HOLD STATIC HAD 200 PSI ON STAND PIPE PUMPED IT OUT. SPOTED ANOTHER 17.4 PPG
	02:30 - 04:00	1.50	TRP	14	SHORT TRIP 10 STDS-FLOWEFD BACK 82.3 BBLS DURING TRIP
	04:00 - 06:00	2.00	CIRC	6	CIRC&BUILD VOLUME LOST APPROX. 200 BBLS CIRC HEAVY PILL OUT
10/16/2007	06:00 - 17:30	11.50	CIRC	1	CIRULATE OUT HEAVEY PILL & PUMP LCM SWEEPS & REGAIN CIRC. ( LOST APROX. 250 BBLS )
	17:30 - 18:00	0.50	RIG	1	RIG SERVICE
	18:00 - 20:30	2.50	CIRC	1	CIRC. & MAINTAIN MUD WT. 14.6
	20:30 - 23:00	2.50	WCL	3	FLOW CHECK ( WELL FLOWED 75 BBLS )
	23:00 - 02:30	3.50	CIRC	1	CIRC GAS OUT ( 800 STROKES RAW GAS, GAINED 39BBLS )
	02:30 - 06:00	3.50	TRP	10	TRIP OUT TO THE SHOE
10/17/2007	06:00 - 07:00	1.00	RIG	6	CUT DRLG LINE
	07:00 - 09:30	2.50	CIRC	1	WELL START TO FLOW ABOUT 3/4" STREAM,SO PICK UP KELLY STARTED CIRCLATING HAD A FLARE RIGHT AWAY 2/5' BTMS UP GAVE A 20/30' FLARE BUILT A 1LLB OVER PILL 15.6 SPOT AT SHOE. STOPPED PUMPS FLOWED BACK 12 BBLS.
	09:30 - 11:00	1.50	TRP	2	STARTED TO TRIP OUT PULLED 7 STANDS SLOW AND ON EACH STAND SWABBING .5 TO 1 BBL PER STAND PLUS CAP. OF THE STAND SO IT AVERAGE OUT TO 2/2.5 BBLS A STAND. TRIP BACK TO SHOE
	11:00 - 14:30	3.50	CIRC	1	CIRC OUT GAS AND RAISE MUD WT. BACK TO A 14.6 PPG AND MAINTAIN. BUILD AND PUMP A 16.2 PILL 3BBLS SPOT AT THE SHOE.
	14:30 - 16:30	2.00	TRP	2	FLOW CHECK-FLOWED BACK 50 BBLS IN 20 MIN. PULLED 7 STANDS SWABBING .5 TO 1 BBL PER STAND BUT NOT CAP.
	16:30 - 19:30	3.00	CIRC	1	CIRC GAS OUT AND MAINTAIN 14.6PPG MUD WT FLARES 0/20'
	19:30 - 20:00	0.50	TRP	2	TRIP IN 10 STANDS F/ 8878 TO 10044
	20:00 - 23:30	3.50	CIRC	1	CIRC& COND.- CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 10/70'
	23:30 - 00:00	0.50	TRP	2	TRIP IN 10 STANDS F/ 10044 TO 11039
	00:00 - 02:30	2.50	CIRC	1	CIRC & COND. - CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 30/90'
	02:30 - 03:30	1.00	TRP	2	TRIP IN 10 STANDS F/ 11039 TO 12038
	03:30 - 05:30	2.00	CIRC	1	CIRC & COND. - CIRCULATE GAS OUT AND COND. MUD MAINTAIN 14.6 MUD WT. FLARES 15/90'
	05:30 - 06:00	0.50	TRP	2	FINISH TRIP IN 12954
10/18/2007	06:00 - 15:30	9.50	CIRC	1	CIRC. & CONDITION MUD ,MAINTAIN 14.6 & BRING LCM BACK UP TO 20%
	15:30 - 16:00	0.50	RIG	1	RIG SERVICE
	16:00 - 19:00	3.00	CIRC	1	SPOT 70 BBL G-SEAL & POLLY SWELL@ 2979
	19:00 - 20:00	1.00	CIRC	1	PUMP 2PPG OVER FOR CAP & CONTROLL FLOW BACK ON DRILL STRING

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/18/2007	20:00 - 23:00	3.00	TRP	10	PULL 19 STANDS & CIRC BTMS UP ( 30 TO 40' FLARE ) @ 11,200
	23:00 - 00:00	1.00	CIRC	1	SPOT 16.2 MUD WT. @ 2450 STROKES & PUMP 1/2PPG OVER FOR CAP TO CONTROL STRING FLOW
10/19/2007	00:00 - 05:00	5.00	TRP	2	TRIP TO SHOE SLOW- WOULD NOT TAKE DISPLACEMENT OF PIPE
	05:00 - 06:00	1.00	CIRC	1	CIRCULATE BTMS UP
	06:00 - 07:30	1.50	CIRC	1	CIRC & COND. @ SHOE- O-5' FLARE
	07:30 - 08:00	0.50	WCL	3	FLOW CHECK- WELL FLOWING 19 % STAND PIPE HELD 453 DOWN TO 280PSI IN 30 MIN AND GAINED 50 BBLs
	08:00 - 12:00	4.00	TRP	2	TRIP OUT SPOT 16.2 35 BBL PILL AT SHOE CAPED W/ 15.3 35 BBL PILL AND TRIP 17 STAND SWABBING THE HOLE .5 TO 1.5 BBLs A STAND.
	12:00 - 13:00	1.00	CIRC	1	CIRC BTMS UP- 1TO 2' FLARE
10/20/2007	13:00 - 22:30	9.50	TRP	2	TRIP OUT- PUMP 16.6 PILL TRIP OUT STILL SWABBING .5 TO 1 BBL PER STAND UNTIL 15 STANDS PULLED STARTED TO BREAK OVER AND TAKE FLUID 1.5 TO 2 BBLs OVER CALCULATION PER 5 STANDS.
	22:30 - 02:30	4.00	TRP	2	TRIP IN- CHANGE OUT MOTOR AND P/U BIT SUB AND TRIP IN CHANGE ROTATING HEAD RUBBER TRIP 3700
	02:30 - 03:00	0.50	CIRC	1	CIRC BTMS UP- 5' FLARE
	03:00 - 05:00	2.00	TRP	2	TRIP IN 5895 SLOW
	05:00 - 06:00	1.00	CIRC	1	CIRC & COND - WORKING ON GETTING VIS DOWN F/ 93
	06:00 - 10:00	4.00	CIRC	1	CIRC. & COND.- VIS VERY HIGH 93 RUN DRILL THIN AND WATER TO DEHYDRATED MUD.
	10:00 - 12:00	2.00	TRP	2	TRIP TO SHOE- WELL FLOWED BACK 80 BBLs 34 FLOWED PLUS 46 IN TOTAL DISPLACEMENT OF PIPE
	12:00 - 14:30	2.50	CIRC	1	CIRC. & COND- STILL WORKING ON HIGH VIS MUD AND CIRC GAS OUT 15/20' FLARES
	14:30 - 15:00	0.50	TRP	2	TRIP IN- TAG @ 9316
	15:00 - 22:00	7.00	REAM	1	WASH & REAM F/9316- 9532
10/21/2007	22:00 - 23:00	1.00	TRP	2	TRIP IN 10 STANDS F/9532 TO 10503
	23:00 - 01:00	2.00	CIRC	1	CIRC & COND.- CIRC OUT GAS AND COND MUD
	01:00 - 02:00	1.00	CIRC	1	TRIP IN 10 STANDS F/ 10503 TO 11500
	02:00 - 04:00	2.00	CIRC	1	CIRC & COND- CIRC OUT HEAVY PILL AND MAINTAIN MUD WT 14.6 PPG. AND BUILD LCM CONTENT BACK UP TO 20%
	04:00 - 05:30	1.50	TRP	2	TRIP IN F/ 11500 TO 12689
	05:30 - 06:00	0.50	CIRC	1	CIRC AND COND.- CIRC BTMS UP
	06:00 - 07:00	1.00	CIRC	1	CIRCULATE & CONDITION MUD - BUILD LCM CONTENT BACK UP & DROP THE HIGH VIS
	07:00 - 17:30	10.50	REAM	1	WASH & REAM OUT OF GAGE HOLE FROM 12,642 TO 12,954
	17:30 - 06:00	12.50	DRL	1	DRILL FROM 12,954 TO 13015
	06:00 - 14:00	8.00	DRL	1	DRILL FROM 13,020 TO 13,143
10/22/2007	14:00 - 16:00	2.00	CIRC	2	LOST FULL RETURNS & SHUT WELL IN & SPOT 1-40 BBL LCM POLY SWEEPS
	16:00 - 17:30	1.50	TRP	2	OPEN UP WELL BORE & SINGLE OUT 9 JOINTS WITH KELLY @ 12807
	17:30 - 18:30	1.00	CIRC	2	SPOT 1-40 BBL LCM POLY SWEEP & PUMP 40 BBLs DOWN THE ANNULAS
	18:30 - 00:30	6.00	CIRC	6	BUILD VOLUME -PUMP 40BBLs MUD DOWN BACK SIDE TO SEE IF GET ANY RETURNS BUILD 200 BBL PREMIX
	00:30 - 03:00	2.50	CIRC	1	CLOSE ANN. OPEN HCR- CIRC TROUGH CHOKE - STARTED SEEING FLARE @ 963 STKS-FLARE AROUND 80'- GOT RAW GAS @ 2670 STKS- HOLE TOOK 131 BBLs GOT FLOW BACK @ 5340
	03:00 - 06:00	3.00	CIRC	1	OPEN UP ANN. AND STARTED CIRCULATING DOWN FLOW LINE THROUGH BUSTER STILL LOOSING MUD APPROX 150 BBLs MORE SO FAR. BUILDING LCM BACK UP AND VOLUME.
10/23/2007	06:00 - 07:00	1.00	CIRC	2	SPOT ANOTHER POLY SWELL PILL @ 2730 STK
	07:00 - 08:00	1.00	CIRC	1	LET POLLY PILL SET UP 45 MIN. MONITORING BACK SIDE WITH TRIP TANK
	08:00 - 08:30	0.50	CIRC	1	CIRCULATE & TRANSFER MUD FROM PREMIX TO ACTIVE BRING LCM UP TO

**Questar E & P**  
**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
Location: 31-8-S 24-E 26  
Rig Name: UNIT

Spud Date: 8/31/2007  
Rig Release:  
Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations	
10/23/2007	08:00 - 08:30	0.50	CIRC	1	25%	
	08:30 - 12:00	3.50	CIRC	6	FILL TRIP TANK CIRC. OVER THE TOP TO MONITOR WELL WHILE BUILDING VOLUME FILL DRILL PIPE	
	12:00 - 14:00	2.00	CIRC	1	CIRC & COND. LOST APPROX. 80 BBLs DURING CIRCULATION	
	14:00 - 15:30	1.50	CIRC	6	CIRC ACROSS TOP WHILE BUILDING VOLUME-BUILD 200 BBLs PREMIX	
	15:30 - 18:00	2.50	CIRC	1	CIRC & COND. LOST APPROX 66 BBLs	
	18:00 - 19:30	1.50	CIRC	6	CIRCULATE ACROSS THE TOP AND BUILD VOLUME IN PREMIX 200 BBLs	
	19:30 - 20:30	1.00	TRP	3	TRIP OUT L/D 6 JNTS 4 *	
	20:30 - 22:00	1.50	CIRC	6	CIRCULAT ACROSS TOP AND BUILD VOLUME	
	22:00 - 02:00	4.00	CIRC	1	CIRC & COND. LOST APPROX. 51 BBLs	
	02:00 - 05:00	3.00	CMT	3	R/U HALLIBURTON HOLD SAFETY MEETING AND SQUEEZE CEMENT INTO BTM FORMATION @ 13143	
	05:00 - 05:30	0.50	TRP	2	TRIP OUT 3 STANDS	
	10/24/2007	05:30 - 06:00	0.50	CIRC	1	CIRC OUT CEMENT IF ANY ABOVE THE BIT
06:00 - 08:30		2.50	WOT	1	CIRCULATE & CONDITION MUD & WAIT ON CEMENT	
08:30 - 22:00		13.50	REAM	1	REAM FROM 12,330 TO 12,837 & DRILL CEMENT STRINGERS	
22:00 - 00:00		2.00	CIRC	1	CONDITION MUD & CIRCULATE ( HOLE HEAVING 1/2 TO 1" CUTTING @ 12,837 TO 12,804	
10/25/2007	00:00 - 06:00	6.00	REAM	1	WASH & REAM F/ 12837- 13129 & DRILL CEMENT STRINGERS	
	06:00 - 10:30	4.50	REAM	1	WASH & REAM 13,129' TO 13142' - COULD NOT MAKE BIT DRILL @ 13,142'	
	10:30 - 12:00	1.50	CIRC	1	CIRC. & CONDITION MUD FOR TRIP	
	12:00 - 13:30	1.50	TRP	10	TOH 20 STANDS TO 11,100' - HOLE BALLONING GIVING BACK MUD TOTAL 50 BBL.	
	13:30 - 15:00	1.50	CIRC	1	CIRC. BOTTOMS UP & SPOT 40 BBL. 16.2 PPG PILL AT 11,100' - WELL TOOK BACK 35 BBL. MUD WHILE CIRC. (BALLONING)	
10/26/2007	15:00 - 18:00	3.00	TRP	10	TOH TO SHOE MONITORING ON TRIP TANK - WELL FLOWED BACK 35 BBL. - AT 9500' WELL STOPPED FLOWING	
	18:00 - 19:00	1.00	CIRC	1	CIRC. BOTTOMS UP A7 8600'	
	19:00 - 03:30	8.50	TRP	10	TOH - AT 7300' HOLE STARTED TAKING CORRECT FILLUP	
	03:30 - 06:00	2.50	TRP	10	CHANGE BITS - TIH / FUNCTION ALL BOP COMPONENTS	
	06:00 - 10:00	4.00	TRP	10	TIH - CIRC @ 3000' - 6000' - DROPPED DRILL STRING FROM SNAG ON SLIPS - DROPPED 65 STANDS + 1 SINGLE D.P & BHA	
	10:00 - 16:30	6.50	FISH	5	TOTAL LENGTH 7628.31'	
	16:30 - 20:00	3.50	CIRC	1	TIH OPEN ENDED D.P. & TAG TOP OF FISH @ 5480.30'	
10/27/2007	20:00 - 20:30	0.50	FISH	5	PICK UP 5' ABOVE FISH TOP - CIRC. & CONDITION MUD TO 14.6 MUD WT. IN/OUT	
	20:30 - 21:30	1.00	FISH	3	SCREW INTO FISH & ESTABLISH CIRC.	
	21:30 - 03:30	6.00	FISH	3	CIRC. OUT GAS - MAX 40' FLARE	
	03:30 - 06:00	2.50	FISH	3	JARRING UP ON FISH MAX 95K OVERPULL - STRING WT. 205,000 - MAX 300K PULL - JARS HITTING GOOD & FULL CIRC. WITH NO MUD LOSSES - JARRING UP WITH 50K OVER	
	06:00 - 11:00	5.00	FISH	3	CALLED SLAUGH FISHING SERVICES & CONTINUE JARRING ON STUCK PIPE WHILE WAITING ON FREEPOINT & FISHING TOOLS	
	11:00 - 14:30	3.50	FISH	4	JARRING STUCK DRILL STRING & WAIT ON FREE POINT TO ARRIVE - ONLY AVAILABLE PIPE RECOVERY WFD COMES FROM ROCK SPRINGS	
	14:30 - 18:00	3.50	FISH	4	R/U WFD WIRELINE FREE POINT TOOLS -RAN FREE POINT & TOOLS WOULD NOT PASS THROUGH SECOND JT. HWDP @ 11,950'	
	18:00 - 19:00	1.00	FISH	4	RAN BACKOFF STRING SHOT & TAGGED UP @ 12,921' - THIS IS 17' INTO SECOND DRILL COLLAR - PICKED UP INTO CONNECTION BETWEEN TOP 2 DCs & ATTEMPTED BACK OFF WITH STRING SHOT (400 GRAIN CHARGE) NO SUCCESS - PULL W.L. OUT OF PIPE & FOUND WIRE LINE HAD PULLED OUT OF ROPE SOCKET & LEFT ROPE SOCKET AND SINKER BAR INSIDE DCs.	
						RETIE HEAD & ROPE SOCKET - WAIT ON W.L. FISHING TOOLS TO ARRIVE

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31-8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/27/2007	19:00 - 20:30	1.50	FISH	4	P/U WFD WIRE LINE FISHING TOOLS - MADE RUN WITH O.S. & SPANG JARS - DID NOT CATCH FISH
	20:30 - 22:00	1.50	FISH	4	ATTEMPT BACK OFF WITH STRING SHOT @ 12,827' - NO SUCCESS - DID NOT BACK OFF
	22:00 - 00:30	2.50	FISH	4	WAIT ON FREE POINT TOOL TO ARRIVE LOCATION
	00:30 - 02:30	2.00	FISH	4	RAN FREE POINT & FOUND PIPE FREE @ 12,796'
	02:30 - 03:00	0.50	FISH	4	RIG UP STRING SHOT
	03:00 - 05:00	2.00	FISH	4	RAN STRING SHOT & MADE SUCCESSFUL BACK OFF @ 12,774' - 3RD JT. HWDP ABOVE DRILL COLLARS
	05:00 - 06:00	1.00	CIRC	1	CIRC. OUT ABOVE FISH
10/28/2007	06:00 - 10:30	4.50	CIRC	1	CIRC. OUT GAS FROM ABOVE FISH & CONDITION MUD 14.6 PPG IN & OUT - MAX 25' FLARE - CONDITION MUD 14.6 PPG. IN & OUT
					FISH LEFT IN HOLE BIT - BIT SUB - 9 EA. 5" DCs - XOVER - 3 JTS. 4 1/2 14# XT 39 HWDP - TOP OF FISH IN HOLE 12,774' - STRING SHOT TOOLS LEFT INSIDE FISH / ROPE SOCKET - SINKER BAR - CCL. - CONTACT SUB - SHOT ROD 28' LENGTH
	10:30 - 13:30	3.00	TRP	4	TOH WITH FISH TO 10,000'
	13:30 - 17:00	3.50	CIRC	1	CIRC. & CONDITION OUT OF BALANCE MUD & PUMP SLUG
	17:00 - 03:00	10.00	TRP	4	TOH WITH FISH SLOWLY TO PREVENT SWABBING - L/D 1 JT. BENT D.P. - L/D 2 JTS FROM FISH CONN. - L/D BOTTOM JT. HWDP - INSPECTED ALL HWDP & NO BAD CONNS. FOUND
	03:00 - 06:00	3.00	TRP	1	MAKE UP SLAUGHS FISHING TOOLS - SIS - CIRC. SUB - BUMP SUB - JAR - 9 (4 3/4") DCs - INTENSIFIER - XOVER - TIH
10/29/2007	06:00 - 13:30	7.50	FISH	5	TIH WITH FISHING TOOLS - RETORQUE EA. D.P. CONNECTION
	13:30 - 16:00	2.50	CIRC	1	CIRC. & CONDITION MUD AT SHOE 8700'
	16:00 - 19:00	3.00	TRP	2	TIH & TAG FISH @ 12,774' W.L. MEASUREMENT
	19:00 - 20:30	1.50	CIRC	1	CIRC. OUT GAS & CONDITION MUD - MAX 25' FLARE
	20:30 - 06:00	9.50	FISH	3	SCREW INTO FISH AND ESTABLISH CIRC. - JARRING ON FISH STRING WT. 195 K - JAR UP 285 K - MAX 300K PULL TOP FISH 12,774' WFD W.L. MEASUREMENT 12,764' DRILLERS PIPE MEASUREMENT
10/30/2007	06:00 - 06:30	0.50	CIRC	1	CIRC. PUMP 16.2 DRY SLUG
	06:30 - 09:00	2.50	FISH	4	SET BACK KELLY & MAKE GAUGE RUN WITH WFD W.L. SINKER BAR 1 7/16" - TAG UP AT 12,913'
	09:00 - 11:00	2.00	FISH	4	RUN IN HOLE WITH FREE POINT TOOL
	11:00 - 13:00	2.00	FISH	4	RUN IN HOLE WITH STRING SHOT. BACKED OFF WIRE LINE MEASUREMENTS @ 12791'. RIG DOWN WIRE LINE CREW
	13:00 - 01:00	12.00	TRP	2	TOOH WITH FISHING TOOLS. LEFT SLAUGH SCREW IN SUB IN HOLE. 3'.36" LONG, 3 JTS. HWDP, XO, 9 DRILL COLLARS, XO, BIT. TOP OF FISH @ 12761' (SLM).
	01:00 - 06:00	5.00			HELD PRE JOB SAFETY MEETING. MAKE UP BIT, WEATHERFORD FULL GAUGE STRING REAMERS AND BHA.
10/31/2007	06:00 - 08:00	2.00	TRP	15	TIH GAUGE RUN BEFORE RUNNING WHIP STOCK TIH WITH 6 1/8" TRI CONE & WATERMELON MILLS FOR GAUGE RUN PRIOR TO LOGGING & RUNNING WHIPSTOCK.
	08:00 - 11:00	3.00	CIRC	1	CIRC. & CONDITION MUD AT SHOE 8700'
	11:00 - 12:30	1.50	RIG	6	CUT DRILL LINE
	12:30 - 13:00	0.50	TRP	15	TIH / GAUGE RUN - TAG UP @ 9313'
	13:00 - 16:00	3.00	CIRC	1	CIRC. AND CONDITION
	16:00 - 16:30	0.50	CIRC	1	BUILD & PUMP SLUG
	16:30 - 19:30	3.00	TRP	3	L/D 30 JTS D.P FOR REAMING & RAN 10 STANDS IN FROM DERRICK
	19:30 - 06:00	10.50	REAM	1	REAM FROM 9313' TO 9464' HARD REAMING - SLOUGHING SHALE

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/1/2007	06:00 - 13:30	7.50	REAM	1	WASH & REAM FROM 9464' TO 9527'
	13:30 - 14:00	0.50	RIG	4	CHANGE OUT ROTATING HEAD RUBBER
	14:00 - 14:30	0.50	OTH		BUILD AND PUMP PILL
	14:30 - 00:00	9.50	TRP	10	TOOH, LAY DOWN FULL GAUGE BHA, REAMERS AND BIT LOOK GOOD. BIT IN GAUGE, REAMERS 1/32 OUT
	00:00 - 03:00	3.00	TRP	10	MAKE UP NEW BHA, TIH WITH BIT #10 TO 2972'
11/2/2007	03:00 - 03:30	0.50	CIRC	1	BREAK CIRCULATION
	03:30 - 06:00	2.50	TRP	10	TIH
	06:00 - 07:00	1.00	TRP	2	TIH to csg. shoe @ 8800'
	07:00 - 10:30	3.50	CIRC	1	Fill pipe, circulate
	10:30 - 12:00	1.50	TRP	2	TIH to 9464'
	12:00 - 15:00	3.00	REAM	1	Wash & Ream F/ 9464' - 9868'
	15:00 - 15:30	0.50	TRP	2	TIH to 10190'
	15:30 - 16:30	1.00	REAM	1	Wash & Ream F/ 10190' - 10290'
	16:30 - 17:00	0.50	RIG	1	Lubricate rig
	17:00 - 17:30	0.50	REAM	1	Wash & Ream F/ 10290' - 10321'
11/3/2007	17:30 - 19:00	1.50	TRP	2	TIH to 12214'
	19:00 - 04:30	9.50	REAM	1	Wash & Ream F/ 12214' - 12,798 - DRILLERS MEASUREMENTS TOP OF FISH 12,798'
	04:30 - 06:00	1.50	CIRC	1	CIRC. & CONDITION MUD
	06:00 - 12:30	6.50	CIRC	1	CIRC. & CONDITION MUD - SLUG PIPE & DROP SURVEY
	12:30 - 17:30	5.00	TRP	2	TOH TO SHOE - SLM
	17:30 - 18:00	0.50	RIG	1	SER. RIG
	18:00 - 01:30	7.50	TRP	2	FINISH TOH FOR LOGS - SLM
	01:30 - 02:30	1.00	LOG	1	SAFETY MEETING & RIG UP HALLIBURTON LOGGERS
	02:30 - 06:00	3.50	LOG	1	RAN GR/NEU/RES. INDUCTION LOG - HOWCO TAGGED UP @ 12,740'
					SLM TOP FISH 12,760.92
11/4/2007	06:00 - 08:00	2.00	LOG	1	EXTENSION FOR BOP 30 DAY TEST GRANTED FOR 4 DAYS EMAIL FROM JIM ASHLEY BLM
	08:00 - 08:30	0.50	RIG	2	FINISH OPEN HOLE LOGGING, LOGGERS TD @ 12740', DRILL PIPE STRAP 12761'
	08:30 - 10:00	1.50	WOT	4	RIG SERVICE, CROWN AND BLOCKS , ETC.
	10:00 - 11:30	1.50	TRP	1	WAIT ON REAMERS, RIGGING UP STEAM LINES, CONDITIONING MUD
	11:30 - 12:30	1.00	TRP	15	MAKE UP BHA, UNDERGAUGE REAMERS FOR WHIPSTOCK
	12:30 - 15:00	2.50	TRP	2	TIH WITH REAMERS
	15:00 - 18:00	3.00	TRP	15	TOOH TO PICK UP WEATHERFORD WHIPSTOCK TOOL
	18:00 - 19:00	1.00	CIRC	1	MAKE UP BIT, AND SLICK ASSEMBLY, GAS BUBBLING ABOVE ROTARY TABLE, TIH TO 3900'
	19:00 - 20:00	1.00	TRP	15	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG
	20:00 - 21:30	1.50	TRP	15	TIH TO 6182'
	21:30 - 23:00	1.50	TRP	15	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG
	23:00 - 00:30	1.50	CIRC	1	PUMP 20 BBL PILL AND TIH TO 8715'
	00:30 - 01:30	1.00	TRP	15	CIRCULATE GAS OUT AND CONDITION MUD TO 14.8 PPG
	01:30 - 03:30	2.00	CIRC	1	PUMP 20 BBL PILL AND TIH TO 10463'
	03:30 - 04:30	1.00	TRP	15	CIRCULATE GAS OUT AND CONDITION MUD TO 14.5+
04:30 - 06:00	1.50	CIRC	1	TIH TO 12,400'	
11/5/2007	06:00 - 07:00	1.00	CIRC	1	CIRC. OUT GAS * CONDITION MUD
	07:00 - 08:30	1.50	TRP	2	CIRC. & CONDITION MUD TO 14.8 IN/OUT @ 12,400'
	08:30 - 09:00	0.50	TRP	2	SLUG & L.D. 12 JTS. D.P.
	09:00 - 11:30	2.50	REAM	1	RAN LAST 4 STANDS D.P. IN HOLE FROM DERRICK
					REAM FROM 12,450' TO 12,657'

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/5/2007	11:30 - 13:30	2.00	CIRC	2	HOLE TAKING MUD WITH 14.8 / 14.9 MUD WT. - PUMP LCM SWEEPS & LOWER MUD WT. TO 14.7 - LOST 260 BBL. MUD TOTAL BEFORE LOSSES STABILIZED	
	13:30 - 16:00	2.50	REAM	1	REAMED FROM 12,657' TO TOP OF FISH 12,762'	
	16:00 - 21:00	5.00	CIRC	1	CIRC. & CONDITION FOR CEMENT PLUG, WAIT ON HALLIBURTON	
	21:00 - 00:00	3.00	CIRC	1	RIG UP HALLIBURTON, HOLE PRE JOB SAFETY MEETING, CIRCULATE	
	00:00 - 02:00	2.00	CMT	4	TEST LINES TO 1500 PSI. SET 150 SX BALANCE PLUG. 17.5 PPG, .94 YIELD, 3.33 GAL/SK, ESTIMATED TOP OF CEMENT @ 12069',	
	02:00 - 03:00	1.00	TRP	2	TOOH TO 11924	
	03:00 - 04:00	1.00	CIRC	1	CIRCULATE AND CONDITON HOLE	
	04:00 - 06:00	2.00	TRP	2	TOOH	
	11/6/2007	06:00 - 07:30	1.50	TRP	2	TOOH - SPOT 40 BBL. 16.2 @ 10,000' & 8700' - HOLE BALLONING HOLE STOPPED BALLONING @ 7000' & STARTED TAKING CORRECT FILLUP
		07:30 - 08:30	1.00	CIRC	1	NOTIFIED BLM CLIFF JOHNSON OF UPCOMING BOP TEST BY TELEPHONE BUILD 40 BBL 16.2 SLUG AND PUMP
08:30 - 09:30		1.00	TRP	2	TOOH TO 8700'	
09:30 - 10:30		1.00	CIRC	1	BUILD 40 BBL 16.2 SLUG AND PUMP	
10:30 - 17:30		7.00	TRP	2	TOOH	
17:30 - 22:00		4.50	BOP	2	TEST BOP AND ALL VALVES AND LINES. CHOKE MANIFOLD TO 250 PSI LOW AND 10000 PSI HIGH (OK). TEST HYDRILL TO 250 PSI LOW AND 5000 PSI HIGH (OK).	
22:00 - 22:30		0.50	BOP	2	RIG DOWN BOP TESTER	
22:30 - 01:00		2.50	TRP	2	TIH WITH SLICK DRILLING ASSEMBLY to 3005'	
01:00 - 01:30		0.50	CIRC	1	FILL PIPE	
01:30 - 03:00		1.50	TRP	2	TIH TO 6019'	
11/7/2007	03:00 - 03:30	0.50	CIRC	1	FILL PIPE	
	03:30 - 05:00	1.50	TRP	2	TIH TO SHOE	
	05:00 - 06:00	1.00	RIG	6	CUT DRILL LINE	
	06:00 - 07:00	1.00	RIG	6	SLIP & CUT DRILL LINE - CIRC. AT 8750 WHILE CUTTING LINE	
	07:00 - 09:00	2.00	TRP	2	TIH TO 11000'	
	09:00 - 11:30	2.50	CIRC	1	CIRCULATE BOTTOMS UP	
	11:30 - 13:30	2.00	TRP	2	TOOH 27 JTS LAYING DOWN PIPE	
	13:30 - 14:30	1.00	TRP	2	TIH LAST STANDS FROM DERRICK TO 10870' - DERRICK CLEANED UP	
	14:30 - 15:00	0.50	TRP	2	WASH & REAM F/ 10870' - 10910'	
	15:00 - 15:30	0.50	RIG	1	RIG SERVICE	
11/8/2007	15:30 - 17:30	2.00	DRL	4	DRILLED CEMENT FROM 12,037' TO 12,052' - @ 12052' 12K WOB AND CEMENT WOULD NOT DRILL OFF - PLUG BACK IS HARD & SOLID	
	17:30 - 19:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP AND BUILD PILL	
	19:00 - 06:00	11.00	TRP	2	PUMPED PILL TO DRY PIPE FOR TRIP - BIT PLUGGED, TOOH WITH WET DRILL STRING, SLM - TRIED THREE TIMES TO UNPLUG STRING WITH NO SUCCESS.	
	06:00 - 10:00	4.00	TRP	12	TRIP OUT FOR SIDETRACK BHA	
	10:00 - 15:30	5.50	TRP	1	CHANGED OUT BHA FOR 1.83 BENT HOUSING MOTOR. ORIENT TOOL, PICKED UP COLLARS. LAY COLLARS BACK DOWN.	
	15:30 - 16:00	0.50	RIG	1	SERVICED RIG.	
	16:00 - 18:00	2.00	TRP	12	TRIPPED IN THE HOLE WITH DIRECTIONAL TOOLS.	
	18:00 - 18:30	0.50	CIRC	1	FILLED PIPE & TESTED MWD.	
	18:30 - 22:30	4.00	TRP	12	TRIPPED IN THE HOLE FILLING PIPE @ 4000' AND 8000'.	
	22:30 - 02:30	4.00	CIRC	1	CIRCULATED AND CONDITIONED MUD. MUD CUT FROM 14.6 TO 14.1# PER GALLON. WELL OUT OF BALANCED FLOWING 6" STREAM.	
11/8/2007	02:30 - 05:00	2.50	TRP	12	TRIPPED IN THE HOLE TO 11962'.	
	05:00 - 06:00	1.00	CIRC	1	BROKE CIRCULATION PRIOR TO WASHING DOWN TO THE PLUG @ 12052'.	

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/9/2007	06:00 - 07:00	1.00	CIRC	1	CIRCULATED BOTTOMS UP.	
	07:00 - 09:00	2.00	DRL	3	ATTEMPTED TO ORIENT DIRECTIONAL TOOLS.	
	09:00 - 09:30	0.50	DRL	2	TIME DRILLED CUTTING TROUGH IN FORMATION @ 12052'.	
	09:30 - 10:30	1.00	RIG	2	CHANGED OUT PUMP EXPENDIBLES.	
	10:30 - 14:00	3.50	DRL	1	TIME DRILLED FROM 12052 TO 12053' WITH ROTARY. WITH 1K ON BIT.	
	14:00 - 14:30	0.50	DRL	1	DRILLED WITH ROTARY FROM 12053 TO 12062'.	
	14:30 - 16:30	2.00	DRL	3	TROUBLE SHOT MWD COULDN'T GET SURVEY.	
	16:30 - 17:30	1.00	DRL	2	DIRECTIONALLY DRILLED FROM 12062' TO 12063'.	
	17:30 - 19:00	1.50	DRL	1	DRILLED FROM 12063' TO 12095'.	
	19:00 - 20:00	1.00	CIRC	5	CIRCULATED BTMS UP FOR SAMPLES. NO CEMENT IN SAMPLES.	
	20:00 - 00:30	4.50	DRL	1	ROTARY DRILLED FROM 12095 TO 12191'.	
	00:30 - 01:00	0.50	BOP	1	CHANGED OUT ROTATING HEAD RUBBER.	
	01:00 - 04:30	3.50	LOG	4	RIGGED UP MULTI SHOT AND RAN SURVEY TO VERIFY ORIENTATION AT 12052' AND SURVEY AT 12121'.	
11/10/2007	04:30 - 06:00	1.50	DRL	1	DRILLED FROM 12121 TO 12224	
	06:00 - 07:30	1.50	DRL	1	ROTARY DRILLED FROM 12224' TO 12256'.	
	07:30 - 08:30	1.00	CIRC	5	CIRCULATED BOTTOMS UP FOR SAMPLES.	
	08:30 - 09:00	0.50	DRL	1	ROTARY DRILLED FROM 12256' TO 12279'.	
	09:00 - 10:30	1.50	CIRC	1	CIRCULATED AND BUILT PILL CHECKED FOR FLOW.	
	10:30 - 13:00	2.50	TRP	10	TRIPPED TO SHOE LAYED DOWN 1 BAD JOINT DRILL PIPE FROM STRING.	
	13:00 - 15:30	2.50	CIRC	1	CIRCULATED BOTTOMS UP SPOTTED 16.6# PILL W/ 306STKS FOLLOWED W/ 592.	
	15:30 - 18:00	2.50	TRP	12	TRIPPED OUT OF THE HOLE.	
	18:00 - 19:30	1.50	RIG	2	SHUT DOWN AND REPAIRED PIPE SPINNERS.	
	19:30 - 01:00	5.50	TRP	12	TRIPPED OUT OF THE HOLE WET. LAYED DOWN MOTOR AND MWD TOOL.	
	01:00 - 02:00	1.00	TRP	1	PICKED UP NEW MOTOR AND MWD.	
	02:00 - 03:00	1.00	DRL	3	ORIENT MWD.	
	03:00 - 06:00	3.00	TRP	2	TRIPPED IN THE HOLE.	
11/11/2007	06:00 - 06:30	0.50	BOP	1	INSTALL ROTATING HEAD RUBBER	
	06:30 - 07:30	1.00	CIRC	3	FILL PIPE TO TEST MWD TOOL PRESSURED UP PLUGGED STRING	
	07:30 - 10:00	2.50	TRP	2	ATTEMPT TO UNPLUG NO LUCK TRIP OUT WET F/ 4000' PLUGGED TOP OF FIRST MONEL DOWN TO BIT W/ LCM & SOLIDS	
	10:00 - 12:00	2.00	TRP	1	L/D MWD TOOL, NMDC, MOTOR & BIT	
	12:00 - 17:30	5.50	CIRC	1	CIRCULATE SHAKE OUT LCM & SOLIDS	
	17:30 - 18:00	0.50	RIG	1	SERVICED RIG	
	18:00 - 19:00	1.00	TRP	1	PICKED UP MOTOR AND MWD AND TESTED MWD. PICKED UP MOTOR AND MWD AND TRIPPED IN THE HOLE W/ BHA AND TESTED.	
	19:00 - 01:00	6.00	TRP	2	TRIPPED IN THE HOLE TO 1200 BROKE CIRCULATION AND @ 4000'. TESTED MWD AND TEST WAS GOOD. TRIPPED IN THE HOLE TO 4000' AND BROKE CIRCULATION. TESTED MWD AND TEST WAS GOOD. SURVEY 1.5 DEGRESS AND 45 AZIMUTH @ 4033'. TESTED @ 6000' SURVEY GOOD.	
	01:00 - 02:00	1.00	CIRC	1	CIRCULATED BOTTOMS UP @ 9100'. GAS 2400 UNITS. MWD GOOD.	
	02:00 - 04:00	2.00	TRP	10	TRIPPED IN THE HOLE AND LAYED DOWN 4 JOINTS DRILL PIPE FOR SURVEYS. SURVEY @ 12002' GOOD.	
	11/12/2007	04:00 - 06:00	2.00	SUR	1	SURVEYED 30' INTERVALS IN THE HOLE.
		06:00 - 07:00	1.00	CIRC	1	CIRCULATE BTMS UP AFTER TRIP- 15/20FT FLARE
		07:00 - 14:00	7.00	DRL	7	DRLG- SLIDE F/ 12279-12289- ROTATE F/ 12289 TO 12309- SLIDE F/ 12309 TO 12321
14:00 - 14:30		0.50	RIG	1	RIG SERVICE	
14:30 - 02:00		11.50	DRL	7	DRLG-ROTATE F/ 12321 TO 12341- SLIDE F/ 12341 TO 12363 -ROTATE F/ 12363-12387	
02:00 - 06:00		4.00	DRL	7	TIME DRILL 1FOOT PER HOUR F/12387- 12390	

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations	
11/13/2007	06:00 - 08:00	2.00	DRL	7	DRILL ACTUAL - SLIDE F/ 12390 TO 12396, TIME DRILLING 1 FOOT PER HOUR	
	08:00 - 08:30	0.50	DRL	7	DRILL ACTUAL - ROTATING F/ 12398 TO 12419	
	08:30 - 09:30	1.00	CIRC	1	CIRCULATE BUILD & PUMP PILL	
	09:30 - 12:00	2.50	TRP	10	TRIP - POOH TO SHOE	
	12:00 - 13:30	1.50	RIG	6	CUT OFF DRILLING LINE - CUT 10 WRAPS 55'	
	13:30 - 15:00	1.50	CIRC	1	CIRCULATE BTMS UP SPOT PILL W/ 306 STKS CHASE W/ 592 STKS REST OF PILL 408 STKS 16.6 PPG	
	15:00 - 20:00	5.00	TRP	10	TRIPS- POOH	
	20:00 - 21:00	1.00	TRP	1	TRIPS - CHANGE MOTOR & BIT CHECK AND OREINT TOOLS	
	21:00 - 01:00	4.00	TRP	2	TRIPS - TIH TO CASING SHOE	
	01:00 - 02:30	1.50	CIRC	1	CIRCULATE BTMS UP BELOW SHOE 5/10 FT FLARE	
	02:30 - 04:30	2.00	TRP	2	FINISH TRIP IN	
	04:30 - 06:00	1.50	CIRC	1	CIRC BTMS UP	
	11/14/2007	06:00 - 14:00	8.00	DRL	7	DRILL ACTUAL - SLIDE f 12419 TO 12434
		14:00 - 15:00	1.00	DRL	2	DRILL ACTUAL - ROTATING F/12434 TO 12452, 2K ON BIT
15:00 - 00:30		9.50	DRL	7	DRILL ACTUAL - SLIDING F/12452 TO 12474	
11/15/2007	00:30 - 01:30	1.00	CIRC	1	CIRCULATE BUILD PUMP 10% LCM SWEEP	
	01:30 - 06:00	4.50	DRL	7	DRILL ACTUAL - SLIDING F/12472 TO 12484	
	06:00 - 10:00	4.00	DRL	7	DRILL ACTUAL - SLIDE F/ 12484 TO 12492, ROT F/12492 TO 12517	
11/16/2007	10:00 - 17:30	7.50	DRL	7	TIMED DRILL F/ 12517 TO 12524, TIME DRILLING 1 FOOT PER HOUR	
	17:30 - 18:00	0.50	RIG	1	ROUTINE RIG SERVICE	
	18:00 - 06:00	12.00	DRL	7	DRILL ACTUAL - F/ 12524 TO 12535, TIMED DRLG 1 FOOT PER HOUR	
	06:00 - 17:30	11.50	DRL	7	DRLG ACTUAL - SLIDE TIMED DRILL F/12535 TO 12547 1FT PER HR	
11/17/2007	17:30 - 18:00	0.50	RIG	1	ROUTINE RIG SERVICE	
	18:00 - 06:00	12.00	DRL	7	DRLG ACTUAL - SLIDE TIMED DRILL F/12547 TO 12552 1 FT PER HR & F/12552 TO 12566 2FT PER HR	
11/18/2007	06:00 - 11:30	5.50	DRL	7	TIME DRILL @ 3FT HR-F/12566 TO12582 CMT 2-3%	
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE	
	12:00 - 13:00	1.00	DRL	7	TIME DRILL @ 3 FT HR. F/ 12582 TO 12586 CMT 2-30%	
	13:00 - 19:30	6.50	DRL	7	DRLG ROTATE F/12586-12750- CMT 30-100%	
	19:30 - 21:30	2.00	DRL	7	DRLG- SLIDE F/ 12750-12762	
	21:30 - 22:30	1.00	DRL	7	TRY TO SLIDE PAST THE FISH ON THE LOW SIDE TORQUE UP AND PRESSURE UP GET STICKY	
	22:30 - 00:30	2.00	CIRC	1	CIRCULAT BTMS UP AND SPOT 20BBLs 16.5 PPG PILL @ 12762	
	00:30 - 03:30	3.00	TRP	2	TRIP OUT TO SHOE	
	03:30 - 05:00	1.50	CIRC	1	CIRCULATE AND SPOT 20 BBLs 16.5 PPG PILL A SHOE	
	05:00 - 06:00	1.00	TRP	2	TRIP OUT F/ WHIP STOCK	
11/19/2007	06:00 - 11:30	5.50	TRP	2	TRIP F/ WHIP STOCK- L/D JARS & DIRECTIONAL TOOLS	
	11:30 - 12:00	0.50	RIG	1	RIG SERVICE	
	12:00 - 15:30	3.50	WOT	4	WAIT ON 6" MILL & STRING FLOAT	
	15:30 - 18:00	2.50	TRP	2	P/U WHIPSTOCK & MILL & TRIP IN	
	18:00 - 19:00	1.00	RIG	2	RIG REPAIR- WORK ON AIR SPINNERS	
11/19/2007	19:00 - 04:30	9.50	TRP	2	FINISH TRIP IN ANCHOR @ 12510 TOP OF THE WHIPSTOCK WILL BE @ 12490	
	04:30 - 06:00	1.50	CIRC	1	CIRC BTMS UP BEFORE SETTING ANCHOR	
	06:00 - 06:30	0.50	CIRC	1	CIRCULATE BTMS UP	
	06:30 - 07:30	1.00	DRL	3	SET WHIPSTOCK ANCHOR @ 12504 W/4000 PSI & 35K TO SHEAR AND RELEASE WHIPSTOCK.	
	07:30 - 08:00	0.50	DRL	2	DRESS WHIPSTOCK AND DRILL 2' RAT HOLE	
	08:00 - 09:30	1.50	CIRC	1	CIRCULATE BTMS UP CLEAN TOP WHIP. PUMP PILL	
	09:30 - 12:00	2.50	TRP	2	TRIP TO SHOE	
	12:00 - 13:30	1.50	RIG	6	SLIP & CUT DRLG LINE 77' 14 WRAPS	
	13:30 - 14:30	1.00	CIRC	1	CIRC & SPOT 20 BBLs 16.5 PPG PILL @ SHOE	

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/19/2007	14:30 - 19:00	4.50	TRP	2	TRIP OUT W/ MILL
	19:00 - 20:00	1.00	TRP	1	L/D MILL, RUNNIN SUB, BYPASS VALVE SUB, STRING FLOAT & P/U 404 ZiBIT & MOTOR .17
	20:00 - 03:30	7.50	TRP	2	TRIP IN P/U JARS & BREAK CIRC @ BHA @ 4000' @ SHOE
	03:30 - 05:00	1.50	CIRC	1	CIRC BTMS UP
11/20/2007	05:00 - 05:30	0.50	REAM	1	WASH & REAM F/12450 TO 12484
	05:30 - 06:00	0.50	DRL	1	DRLG F/ 12484 TO 12491
	06:00 - 15:30	9.50	DRL	1	DRLG F/ 12491-12556
	15:30 - 16:00	0.50	BOP	1	INSTALL ROTATING HEAD RUBBER
11/21/2007	16:00 - 16:30	0.50	RIG	1	RIG SERVICE
	16:30 - 06:00	13.50	DRL	1	DRLG F/ 12556-12712
	06:00 - 14:00	8.00	DRL	1	DRLG F/ 12712 TO 12772
	14:00 - 15:00	1.00	CIRC	1	CIRC BTMS UP
11/22/2007	15:00 - 15:30	0.50	SUR	1	PUMP SURVEY & PILL
	15:30 - 18:30	3.00	TRP	2	TRIP TO SHOE
	18:30 - 20:30	2.00	CIRC	1	CIRC BTMS UP SPOT 16.5 PPG 20 BBLS
	20:30 - 02:00	5.50	CIRC	1	FINISH TRIP OUT L/D .17 HUNTING MOTOR & BIT
	02:00 - 02:30	0.50	TRP	1	P/U 2.2 MOTOR RUN IN TEST W/ KELLY -@ 144 gpm 287 psi-@ 150 gpm 309 psi-@ 175 gpm 365 psi
	02:30 - 06:00	3.50	TRP	2	P/U NEW BIT BC IMPREG-& TRIP IN BREAK CIRC @ BHA @ 4000
	06:00 - 08:00	2.00	TRP	10	TRIP IN HOLE TO SHOE
	08:00 - 09:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP
	09:30 - 11:30	2.00	TRP	10	TRIP IN HOLE(TAGGED UP @ WHIPSTACK
	11:30 - 12:30	1.00	OTH	1	TRY TO WORK BIT PAST WHIPSTACK, WOULD NOT GO
	12:30 - 14:00	1.50	CIRC	1	CIRCULATE BOTTOMS UP-10' FLAIR
	14:00 - 17:00	3.00	TRP	10	TRIP OUT OF HOLE TO CHANE OUT BHA
17:00 - 18:00	1.00	CIRC	1	CIRCULATE, SPOT PILL A SHOE AND PUMP TRIP SLUG	
18:00 - 23:00	5.00	TRP	10	TRIP OUT OF HOLE	
23:00 - 00:00	1.00	TRP	1	CHANGE OUT MOTORS AND PICK UP BIT #16	
00:00 - 04:00	4.00	TRP	10	TRIP IN HOLE, FILL @ BHA,4000'	
04:00 - 05:00	1.00	CIRC	1	CIRCULATE SLUG OUT OF HOLE @ SHOE	
05:00 - 06:00	1.00	TRP	10	TRIP IN HOLE	
06:00 - 07:00	1.00	TRP	10	TRIP IN HOLE WIT BIT #16- NO DRAG GOING BY WHIP STOCK	
07:00 - 08:30	1.50	REAM	1	WASH 100' TO BOTTOM, NO FILL-CIRCULAE GAS OUT	
08:30 - 15:00	6.50	DRL	1	DRILLING F/12772 T/12847 75' 11.5/HR	
15:00 - 15:30	0.50	RIG	1	RIG SERVICE, SLOW PUMP RATES	
15:30 - 06:00	14.50	DRL	1	DRILLING F/12847 T/12886 39' 2.8/HR	
06:00 - 07:30	1.50	CIRC	1	CIRCULATE AND CONDITION HOLE, SPOT SLUGS.	
07:30 - 14:30	7.00	TRP	10	TRIP OUT OF HOLE FOR NEW BIT	
14:30 - 15:00	0.50	TRP	10	CHANGE OUT BITS AND CHECK MOTOR	
15:00 - 19:00	4.00	TRP	10	TRIP IN HOLE, FILL @ 4100'	
19:00 - 20:00	1.00	RIG	6	CUT DRILLING LINE	
20:00 - 21:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP	
21:00 - 23:00	2.00	TRP	10	TRIP IN HOLE	
23:00 - 00:00	1.00	REAM	1	WASH 50' TO BOTTOM-NO FILL-BOTTOMS UP GAS 1750 UNIT AND 15' FLARE	
00:00 - 06:00	6.00	DRL	1	DRILLING F/12886 T/12935 49' 8.1/HR	
06:00 - 10:00	4.00	DRL	1	DRILLING F/12935 T/12967 32' 8.0/HR	
10:00 - 10:30	0.50	REAM	1	HOLE FELL IN, REAM BACK TO BOTTOM	
10:30 - 05:00	18.50	DRL	1	DRILLING F/12967 T/13086 119' 6.4/HR	
05:00 - 06:00	1.00	CIRC	2	LOST CIRCULATION @ 13086'. MIX AND PUMP LCM SWEEPS.	
06:00 - 06:30	0.50	CIRC	1	SPOT LCM SWEEP ON BOTTOM	
06:30 - 07:30	1.00	TRP	10	TRIP OUT OF HOLE 6 STANDS	
07:30 - 08:30	1.00	CIRC	1	SPOT 2ND LCM SWEEP	

**Operations Summary Report**

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name: UNIT

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number: 111

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/26/2007	08:30 - 10:00	1.50	TRP	10	TRIP OUT OF HOLE TO 11000'
	10:00 - 11:00	1.00	CIRC	1	CIRCULE BOTTOMS UP, CHECK WELL AND PUMP SLUG
	11:00 - 17:00	6.00	TRP	10	TRIP OUT OF HOLE. SLM= 5.60' LONG- NO CORRECTION
	17:00 - 17:30	0.50	TRP	10	LAY DOWN MOTOR,PICK UP BIT SUB AND NEW BIT
	17:30 - 22:00	4.50	TRP	10	TRIP IN HOLE WITH BIT #17 TP SHOE
	22:00 - 23:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP AT CASING SHOE
	23:30 - 01:30	2.00	TRP	10	TRIP IN HOLE, TAGGED UP @ 12862'
	01:30 - 05:00	3.50	REAM	1	REAM F/12838 T/13086 BOTTOMS UP GAS 3000 UNITS AND 35' FLARE
	05:00 - 06:00	1.00	DRL	1	DRILLING F/13086 T/13090
	11/27/2007	06:00 - 02:00	20.00	DRL	1
11/28/2007	02:00 - 04:30	2.50	CIRC	1	CIRCULATE AND CONDITION HOLE FOR SHOT TRIP
	04:30 - 05:30	1.00	TRP	14	SHORT TRIP 10 STANDS
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE AND CONDITION HOLE TO LAY DOWN DRILL PIPE
11/29/2007	06:00 - 08:00	2.00	CIRC	1	CIRCULATE AND CONDITION HOLE,SPOT HEAVY SLUG ON BOTTOM AND PUMP TRIP SLUG. RIG UP LAY DOWN TRUCK AND HOLD SAFETY MEETING
	08:00 - 22:00	14.00	TRP	3	LAY DOWN 4" DRILL PIPE AND BHA,BREAK KELLY STOP A SHOE AND MONITOR WELL FOR 30 MIN.
	22:00 - 23:00	1.00	CSG	1	RIG UP CASING CREW AND HOLD SAFETY MEETING
11/30/2007	23:00 - 06:00	7.00	CSG	2	RUN 4 1/2" CASING
	06:00 - 07:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP AT CASING SHOE
	07:30 - 11:00	3.50	CSG	2	RUN 4 1/2" CASING - CASING SET @ 13204 RUN 302 JTS-PIGGY BACKED FLOAT SHOE & COLLAR.
	11:00 - 15:00	4.00	CIRC	1	CIRC OUT LCM WHILE WAITING ON CEMENT
	15:00 - 15:30	0.50	CMT	1	R/U AND HOLD SAFETY MEETING W/ HALLIBURTON
	15:30 - 18:30	3.00	CMT	2	CEMENT W/ HALLIBURTON - PUMP 10 BBLS FRESH WATER-PUMP 30BBLS 14.8 PPG TUNED SPACER- 10 BBLS FRESH WATER- PUMPED 200 BBLS 15 PPG LEAD CEMENT 850 SKS W/ YP 1.32. - DISPLACED W/ 193BBLS OF 8.4 PPG CLAYFIX WATER BUMPED PLUG 193 BBLS 5500 PSI F/ 3 MIN. BLEED BACK 3.5 BBLS FLOATS HELD -PUMPED 3BBLS MIN. - LAST 20 BBLS 1.2 BBLS MIN.
	18:30 - 22:00	3.50	BOP	1	NIPPLE DOWN BOPS TO SET SLIPS
	22:00 - 23:30	1.50	CSG	7	SET SLIPS @ 156000 STRING WT. CUT OFF CSG.
	23:30 - 01:30	2.00	BOP	1	SET OUT KELLY AND 4" SUBS AND TOOLS
	01:30 - 06:00	4.50	BOP	1	FINISH NIPPLE DOWN BOPS & SET OUT
11/30/2007	06:00 - 07:30	1.50	BOP	1	FINISH N/D BOPS & SET OUT
	07:30 - 18:00	10.50	LOC	7	SUCK OUT & CLEAN MUD TANKS- HUAL OFF 4" DRILL PIPE & BHA TO TOWN TO BE INSPECTED- HUAL OFF MUD PRODUCTS- L/D SOME WINDWALL & BRIDLE UP
12/1/2007	06:00 - 18:00	12.00	LOC	4	LAY DERRICK OVER READY RIG F/ TRUCKS
	18:00 - 06:00	12.00			W/O DAY LIGHTS- 25% RIG DOWN



**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**

February 12, 2008

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

To whom it may concern:

Enclosed for approval, please find Questar Exploration and Production Company's Sundry Notice of commingling for the NBZ 8D-31-8-24 well located in T8S-R24E-Sec. 31: SENE.

Should you have any questions, please do not hesitate to contact me at (303) 308-3048 or by email at [chad.matney@questar.com](mailto:chad.matney@questar.com).

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

Very truly yours,

Chad W. Matney  
Associate Landman

Enclosure

RECEIVED

FEB 14 2008

DIV. OF OIL, GAS & MINING

## NOTICE

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: 02/14/2008

Well: API Number: Drilling Commenced:

See Attachment

43 047 37238  
NBZ 8D-31-8-24  
85 24E 31

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 call (801) 538-5284.

cc: Well File  
Compliance File

Well:		API Number:	Commenced:
WV 5W-36-7-21	drlg rpts/wcr	4304734099	05/29/2003
WV 4D-12-8-12	drlg rpts/wcr	4304734268	09/26/2003
WVX 11D-22-8-21	drlg rpts/wcr	4304734902	03/15/2005
WV 3DML-13-8-21	drlg rpts/wcr	4304737923	09/27/2006
FR 7P-36-14-19	drlg rpts/wcr	4304738992	02/05/2007
SU 8M-12-7-21	drlg rpts/wcr	4304736096	03/18/2007
WV 12AD-8-8-22R	drlg rpts/wcr	4304739321	05/10/2007
WRU EIH 7AD-35-8-22	drlg rpts/wcr	4304738641	06/08/2007
RWS 14D-6-9-24	drlg rpts/wcr	4304737414	07/20/2007
RW 34-27ADR	drlg rpts/wcr	4304739445	08/07/2007
NBZ 8D-31-8-24	drlg rpts/wcr	4304737238	08/27/2007
WRU EIH 6D-5-8-23	drlg rpts/wcr	4304738994	09/04/2007
WRU EIH 9CD-26-8-22	drlg rpts/wcr	4304738649	10/03/2007

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-77301</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: <b>BIG VALLEY UNIT # UTU-81308X</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>NBZ 8D-31-8-24</b>	
2. NAME OF OPERATOR: <b>Questar Exploration &amp; Production Co.</b>	Contact: <b>Laura Bills</b>	9. API NUMBER: <b>43-047-37238</b>
3. ADDRESS OF OPERATOR: <b>11002 E. 17500 S.</b> CITY <b>Vernal</b> STATE <b>Ut</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-4301</b>	10. FIELD AND POOL, OR WILDCAT: <b>UNDESIGNATED</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1581' FNL 1233' FEL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 31 8S 24E</b>		STATE: <b>UTAH</b>

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

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

**Questar Exploration & Production Company hereby requests the commingling of production between the Wasatch, Mancos and Dakota intervals in the NBZ 8D-31-8-24. 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. A production log will be ran in 30 days with a subsequent report to follow with allocations.**

**RECEIVED**  
**FEB 14 2008**

DIV. OF OIL, GAS & MINING

**COPY SENT TO OPERATOR**  
Date: 3-10-2008  
Initials: KS

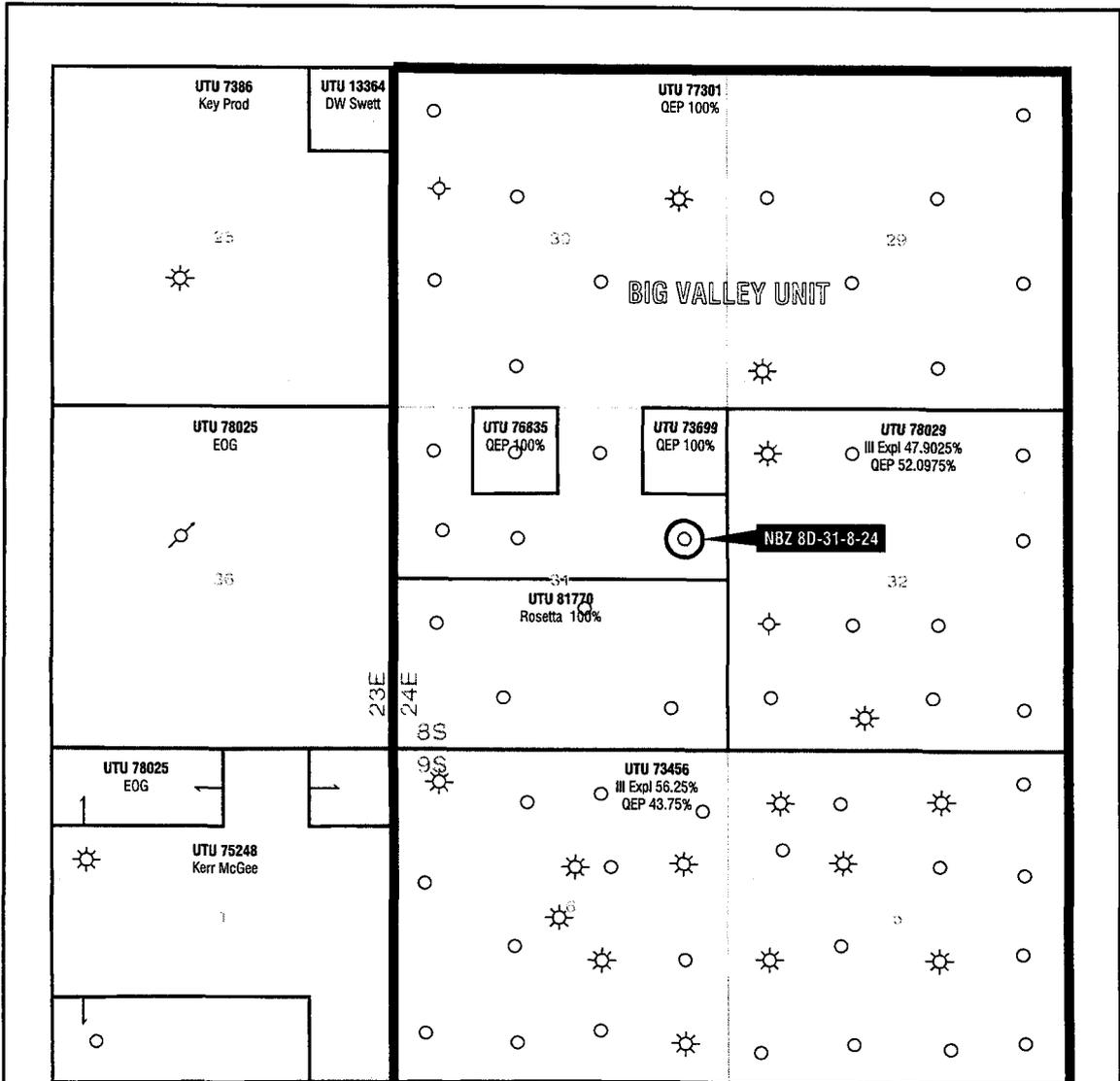
NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u><i>Laura Bills</i></u>	DATE <u>2/6/2008</u>

(This space for State use only) **Utah Division of Oil, Gas and Mining** Federal Approval Of This Action Is Necessary

Date: 3/7/08  
By: *[Signature]*

**CONFIDENTIAL**

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



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

---

**Well: NBZ 8D-31-8-24**  
**Lease: UTU 77301**

<b>QUESTAR</b> <i>Exploration and Production</i> <small>1950 17th St., # 500 Denver, CO 80202</small>	Geologist: Russ Griffin	Landman: Chad Matney
	Engineer:	Technician:
	Date: February 11, 2008	05722/Comm 2008/31-8-34.cdr

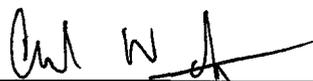
**RECEIVED**  
**FEB 14 2008**  
 DIV. OF OIL, GAS & MINING

AFFIDAVIT OF NOTICE

STATE OF COLORADO )  
COUNTY OF DENVER ) ss:

Chad W. Matney, being duly sworn, deposes and says:

1. That I am employed by Questar Market Resources 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 615-3-22 I have provided a copy of Questar Market Resource's application for completion of the NBZ 8D-31-8-24 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 Market Resource's application to contiguous owners and to make this affidavit on this 12<sup>th</sup> day of February, 2008.



Printed Name: Chad W. Matney

The foregoing instrument was sworn to and subscribed before me this 12<sup>th</sup> day of February, 2008, by Chad W. Matney.



Notary Public

My Commission expires: 7/7/11



RECEIVED  
FEB 14 2008  
DIV. OF OIL, GAS & MINING

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 \*

1a. TYPE OF WELL OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b TYPE OF COMPLETION NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR  Other \_\_\_\_\_

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

3. ADDRESS OF OPERATOR **11002 EAST 17500 SOUTH - VERNAL, UT 84078**  
Contact: **Dahn Caldwell 435-781-4342**  
Fax # **435.781.4357**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1581' FNL, 1233' FEL, SENE, SEC 31-T8S-R24E**  
At top rod. interval reported below **1581' FNL, 1233' FEL, SENE, SEC 31-T8S-R24E**  
At total depth **1581' FNL, 1233' FEL, SENE, SEC 31-T8S-R24E**

14. PERMIT NO. <b>43-047-37238</b>	DATE ISSUED	12. COUNTY OR PARISH <b>UINTAH</b>	13. STATE <b>UT</b>
---------------------------------------	-------------	---------------------------------------	------------------------

15. DATE SPUDDED <b>8/27/07</b>	16. DATE T.D. REACHED <b>11/26/07</b>	17. DATE COMPL. (Ready to prod.) <b>2/1/08</b>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>KB</b>	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD <b>13,210'</b>	21. PLUG BACK T.D., MD & TVD <b>13,202'</b>	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ROTARY TOOLS <input checked="" type="checkbox"/> CABLE TOOLS	

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

25. WAS DIRECTIONAL SURVEY MADE  
**NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**HRI, ARRAY COMP. TRUE RESISTIVITY DSN, CBL/GR SD, PIG, BC, SONIC, CCL, SCNTION**

27. WAS WELL CORED  
**NO**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	2225'	12-1/4"	650 SXS	
7"	26#	8800'	8-3/4"	1260 SXS	
4-1/2"	13.5 & 15.1#	13204'	6-1/8"	850 SXS	

29. LINER RECORD

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

31. PERFORATION RECORD (Interval, size and number)  
**SEE ATTACHMENT PAGE ONE**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
**SEE ATTACHMENT PG 1 SEE ATTACHMENT PG 1**

33.\* PRODUCTION

DATE FIRST PRODUCTION <b>2/1/2008</b>	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <b>FLOWING</b>	WELL STATUS (Producing or shut-in) <b>PRODUCING</b>		
DATE OF TEST <b>2/4/08</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>24</b>	PROD'N FOR TEST PERIOD OIL—BBL. <b>65</b> GAS—MCF. <b>3,389</b> WATER—BBL. <b>1,615</b>	GAS-OIL RATIO
FLOW. TUBING PRESS. <b>N/A</b>	CASING PRESSURE <b>2,690</b>	CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS  
**WELLBORE SCHEMATIC & PERFORATION DETAIL ATTACHMENT PAGE ONE**

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

SIGNED **JIM SIMONTON** *Jim Simonton* TITLE **COMPLETION SUPERVISOR** DATE **APR 02 2008** DIV. OF OIL, GAS & MINING

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

**RECEIVED**  
**APR 02 2008**  
**CONFIDENTIAL**

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

38. GEOLOGIC MARKERS  
NBZ 8D 31 8 24

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
UINTA GREEN RIVER WASATCH MESA VERDE SEGO CASTLE GATE MANCOS DAKOTA TD	SURFACE 1604' 4317' 5867' 7979' 8144' 8615' 12769' 13210'			UINTA GREEN RIVER WASATCH MESA VERDE SEGO CASTLE GATE MANCOS DAKOTA TD	SURFACE 1604' 4317' 5867' 7979' 8144' 8615' 12769' 13210'		

CONFIDENTIAL

**NBZ 8D 31 8 24 – ATTACHMENT PAGE ONE**  
**PERFORATION DETAIL:**

Open Perfs	Stimulation					Perf Status
4924' – 4928'	} Frac w/	48,211	Lbs in	23,814	Gals	Open - Wasatch
4938' – 4940'						Open - Wasatch
5179' – 5183'						Open - Wasatch
5212' – 5216'						Open - Wasatch
5232' – 5234'						Open - Wasatch
5513' – 5515'	} Frac w/	51,026	Lbs in	23,562	Gals	Open - Wasatch
5726' – 5734'						Open - Wasatch
8813' – 8815'	} Frac w/	82,001	Lbs in	100,422	Gals	Open - Blackhawk
8859' – 8861'						Open - Blackhawk
8922' – 8930'						Open - Blackhawk
8960' – 8962'						Open - Blackhawk
8994' – 8996'						Open - Blackhawk
9150' – 9154'	} Frac w/	40,449	Lbs in	143,850	Gals	Open – Mancos 'B'
9390' – 9392'						Open – Mancos 'B'
9422' – 9424'						Open – Mancos 'B'
9434' – 9436'						Open – Mancos 'B'
9456' – 9460'						Open – Mancos 'B'
9482' – 9484'						Open – Mancos 'B'
10304' – 10306'	} Frac w/	40,000	Lbs in	152,544	Gals	Open - Mancos
10368' – 10370'						Open - Mancos
10426' – 10428'						Open - Mancos
10460' – 10462'						Open - Mancos
10488' – 10490'						Open - Mancos
10510' – 10512'						Open - Frontier
10542' – 10544'						Open - Frontier
10580' – 10582'						Open - Frontier
10716' – 10718'	} Frac w/	39,800	Lbs in	140,238		Open - Mancos
10730' – 10732'						Open - Mancos
10742' – 10744'						Open - Mancos
10789' – 10791'						Open - Mancos
10848' – 10850'						Open - Mancos
10878' – 10880'						Open - Frontier
10941' – 10943'						Open - Frontier
10968' – 10970'	Open - Frontier					

CONFIDENTIAL

11096' - 11098'							Open - Mancos
11114' - 11116'							Open - Mancos
11164' - 11166'							Open - Mancos
11190' - 11192'							Open - Mancos
11264' - 11266'	Frac w/	40,300	Lbs in	144,396	Gals		Open - Mancos
11274' - 11276'							Open - Mancos
11343' - 11345'							Open - Mancos
11373' - 11375'							Open - Mancos
11564' - 11566'							Open - Mancos
11582' - 11584'							Open - Mancos
11598' - 11600'							Open - Mancos
11636' - 11638'							Open - Mancos
11703' - 11705'	Frac w/	39,901	Lbs in	141,750	Gals		Open - Mancos
11756' - 11758'							Open - Frontier
11780' - 11782'							Open - Frontier
11820' - 11822'							Open - Frontier
11964' - 11966'							Open - Frontier
12002' - 12004'							Open - Frontier
12030' - 12032'							Open - Frontier
12052' - 12054'							Open - Frontier
12106' - 12108'	Frac w/	40,085	Lbs in	141,582	Gals		Open - Frontier
12144' - 12146'							Open - Frontier
12160' - 12162'							Open - Frontier
12190' - 12192'							Open - Frontier
12308' - 12310'							Open - Frontier
12360' - 12362'							Open - Frontier
12378' - 12380'							Open - Frontier
12486' - 12488'							Open - Frontier
12494' - 12496'	Frac w/	39,962	Lbs in	148,134	Gals		Open - Frontier
12521' - 12523'							Open - Frontier
12576' - 12578'							Open - Dakota
12604' - 12606'							Open - Dakota
12762' - 12766'							Open - Dakota
12788' - 12794'							Open - Dakota
12870' - 12874'							Open - Dakota
12884' - 12888'							Open - Dakota
12900' - 12910'	Frac w/	128,600	Lbs in	84,126	Gals		Open - Dakota
12950' - 12960'							Open - Dakota
12986' - 12990'							Open - Dakota
13000' - 13004'							Open - Dakota
13038' - 13040'							Open - Dakota

CONFIDENTIAL

UT08796P17  
**FIELD: Undesignated** GL: 5,082' KBE: 5,099' Spud Date: 8-30-2007 Completion date: 2/1/08  
**Well: NBZ 8D 31 6 24** TD: 13,210' PBTD: 13,202' Current Well Status: Flowing Gas Well  
 Location - surface: SE/NE Sec. 31, T8S, R24E 1581' FNL, 1233' FWL Reason for Pull/Workover: Initial completion  
 Location - bottom hole: Same  
 API#: 43-047- 37238 Uintah County, Utah

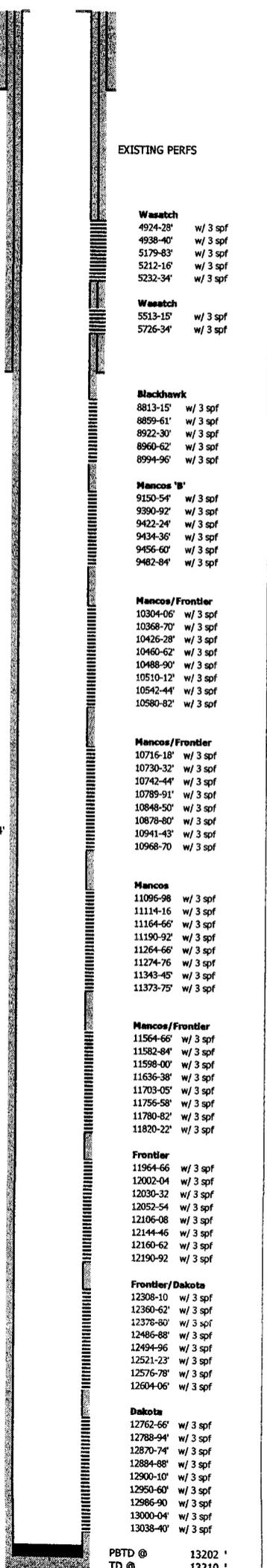
**Wellbore Schematic**

**Surface casing**  
 Size: 9.625"  
 Weight: 36#  
 Grade: J-55  
 Set @ 2225'  
 Cmt'd w/ 650 sxs  
 Hole size: 12.25"

**Intermediate Casing**  
 Size: 7"  
 Weight: 26#  
 Grade: HCP-110  
 Set @ 8800'  
 Cmt'd w/ 1260 sxs  
 Hole size: 8.75"

**Production Casing**  
 Size: 4-1/2"  
 Weight: 15.1#  
 Grade: P-110  
 Set @ 70'  
 Size: 4-1/2"  
 Weight: 13.5#  
 Grade: P-110  
 Set @ 70'-12,579'

Size: 4-1/2"  
 Weight: 15.1#  
 Grade: P-110  
 Set @ 12,579'-13,204'  
 Cmt'd w/ 850 sxs  
 Hole size: 6.125"



**EXISTING PERFS**

**Wasatch**  
 4924-28' w/ 3 spf  
 4938-40' w/ 3 spf  
 5179-83' w/ 3 spf  
 5212-16' w/ 3 spf  
 5232-34' w/ 3 spf

**Wasatch**  
 5513-15' w/ 3 spf  
 5726-34' w/ 3 spf

**Blackhawk**  
 8813-15' w/ 3 spf  
 8859-61' w/ 3 spf  
 8922-30' w/ 3 spf  
 8960-62' w/ 3 spf  
 8994-96' w/ 3 spf

**Mancos 'B'**  
 9150-54' w/ 3 spf  
 9390-92' w/ 3 spf  
 9422-24' w/ 3 spf  
 9434-36' w/ 3 spf  
 9456-60' w/ 3 spf  
 9482-84' w/ 3 spf

**Mancos/Frontier**  
 10304-06' w/ 3 spf  
 10368-70' w/ 3 spf  
 10426-28' w/ 3 spf  
 10460-62' w/ 3 spf  
 10488-90' w/ 3 spf  
 10510-12' w/ 3 spf  
 10542-44' w/ 3 spf  
 10580-82' w/ 3 spf

**Mancos/Frontier**  
 10716-18' w/ 3 spf  
 10730-32' w/ 3 spf  
 10742-44' w/ 3 spf  
 10789-91' w/ 3 spf  
 10848-50' w/ 3 spf  
 10878-80' w/ 3 spf  
 10941-43' w/ 3 spf  
 10968-70' w/ 3 spf

**Mancos**  
 11096-98 w/ 3 spf  
 11114-16 w/ 3 spf  
 11164-66' w/ 3 spf  
 11190-92' w/ 3 spf  
 11264-66' w/ 3 spf  
 11274-76 w/ 3 spf  
 11343-45' w/ 3 spf  
 11373-75' w/ 3 spf

**Mancos/Frontier**  
 11564-66' w/ 3 spf  
 11582-84' w/ 3 spf  
 11598-00' w/ 3 spf  
 11636-38' w/ 3 spf  
 11703-05' w/ 3 spf  
 11756-58' w/ 3 spf  
 11780-82' w/ 3 spf  
 11820-22' w/ 3 spf

**Frontier**  
 11964-66 w/ 3 spf  
 12002-04 w/ 3 spf  
 12030-32 w/ 3 spf  
 12052-54 w/ 3 spf  
 12106-08 w/ 3 spf  
 12144-46 w/ 3 spf  
 12160-62 w/ 3 spf  
 12190-92 w/ 3 spf

**Frontier/Dakota**  
 12308-10 w/ 3 spf  
 12360-62' w/ 3 spf  
 12376-80' w/ 3 spf  
 12486-88' w/ 3 spf  
 12494-96 w/ 3 spf  
 12521-23' w/ 3 spf  
 12576-78' w/ 3 spf  
 12604-06' w/ 3 spf

**Dakota**  
 12762-66' w/ 3 spf  
 12788-94' w/ 3 spf  
 12870-74' w/ 3 spf  
 12884-88' w/ 3 spf  
 12900-10' w/ 3 spf  
 12950-60' w/ 3 spf  
 12986-90 w/ 3 spf  
 13000-04' w/ 3 spf  
 13038-40' w/ 3 spf

PBTD @ 13202'  
 TD @ 13210'

**Tubing Landing Detail:**  
 Description Size Footage Depth  
 KB 17.00 17.00

**Tubing Information:**  
 Condition:  
 New: \_\_\_\_\_ Used: \_\_\_\_\_ Rerun: \_\_\_\_\_  
 Grade: \_\_\_\_\_  
 Weight (#/ft): \_\_\_\_\_

**Wellhead Detail:** Example: 7-1/16" 3000#  
 4-1/16" 10,000#

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

**SUMMARY**  
**Stage #1 - 12,762' - 13,040' Dakota - Frac w/ 5,038 100 mesh & 123,562# 20/40 sand**  
**Stage #2 - 12,606' - 12,308' Dakota/Frontier - Frac w/ 39,962# 30/60 sd**  
**Stage #3 - 11,964' - 12,192' Frontier - Frac w/ 40,085# 30/60 sd**  
**Stage #4 - 11,564' - 11,822' Frontier/Mancos - Frac w/ 39,901# 30/60 sd**  
**Stage #5 - 11,096' - 11,375' Mancos - Frac w/ 40,300# 30/60 sd**  
**Stage #6 - 10,716' - 10,970' Frontier/Mancos - Frac w/ 39,800# 30/60 sd**  
**Stage #7 - 10,304' - 10,582' Mancos/Mancos 'B'/Frontier Frac w/ 40,000# 30/60 sd**  
**Stage #8 - 9,150' - 9,484' Mancos 'B' - Frac w/ 40,449# 30/60 sd**  
**Stage #9 - 8,813' - 8,996' Blackhawk Frac w/ 82,001# 20/40 PRC**  
**Stage #10 - 5,513' - 5,734' Wasatch - Frac w/ 51,026# 20/40 PRC**  
**Stage #11 - 4,924' - 5,234' Wasatch Frac w/ 48,211# 30/60 sd**

**CONFIDENTIAL**

43-047-37238

Questar E &amp; P

Page 1 of 2

31 83 24e

## Operations Summary Report

Well Name: NBZ 8D-31-8-24 ~~ST-2~~

Location: 31-8-S 24-E 20

Rig Name:

Spud Date: 8/31/2007

Rig Release:

Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/24/2008	07:00 - 19:45	12.75	PERF	2	MIRU OWP ELU. RIH with Guns check depths with logs made 1' correction . Get on depth & shoot 1ST set from 13,040' to 12,950' POOH. RBIH 2nd set of guns shoot from 12,888' to 12,762' perf stage #1. Pressure out of the hole 0 psi. Drain tree and fill with methanol. MIRU HES frac equipment, finish filling mountain movers and heat frac water. Prep to start frac operation in morning. SDFN.
1/25/2008	06:00 - 18:00	12.00	STIM	2	MIRU HES frac equipment, spent most of the day riging up equip. Priming up equip , pump a 1" stop shut parting 4" treating line apart. SDFD
1/26/2008	10:30 - 17:00	6.50	STIM	2	MIRU HES frac equipment, RD 4" 10,000 psi frac line . RU 3 - 3" 15,000 psi frac lines. Pressure test lines with brine . Prep for frac on SUNDAY.
1/27/2008	06:00 - 09:50	3.83	STIM	3	FRAC STAGE # 1 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 2,003 BBLS HYBOR-G X/LINK CARRING 5,038 LBS 100 MESH & 123,562 LBS 20/40 SINTERLITE FROM 1 TO 4 PPA. AVERAGE PRESSURE = 7,560 PSI, AVERAGE RATE = 45 BPM.
	10:00 - 13:10	3.17	PERF	2	RU OWP ELU. # 2 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 12,620' SHOOT 24 HOLES FROM 12,606' TO 12,308'. 5,500 PSI WHEN GUNS WERE FIRED AND 5,000 PSI WITH GUNS ON THE SURFACE.
	13:10 - 15:10	2.00	STIM	3	FRAC STAGE # 2 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,527 BBLS SLICK WATER CARRING 39,962 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 8,260 PSI, AVERAGE RATE = 45 BPM.
	15:10 - 17:30	2.33	STIM	3	RU OWP ELU. # 3 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 12,220' SHOOT 24 HOLES FROM 11,964' TO 12,192'. 6,200 PSI WHEN GUNS WERE FIRED AND 5,600 PSI WITH GUNS ON THE SURFACE.
1/28/2008	06:00 - 09:25	3.42	STIM	3	FRAC STAGE # 3 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,371 BBLS SLICK WATER CARRING 40,085 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 7,850 PSI, AVERAGE RATE = 40BPM.
	09:30 - 11:15	1.75	PERF	2	RU OWP ELU. # 4 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 11,850' SHOOT 24 HOLES FROM 11,564' TO 11,822'. 5,700 PSI WHEN GUNS WERE FIRED AND 5,600 PSI WITH GUNS ON THE SURFACE.
	12:04 - 13:10	1.10	STIM	3	FRAC STAGE # 4 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,375 BBLS SLICK WATER CARRING 39,901 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 4230 PSI, AVERAGE RATE = 45 BPM.
	13:10 - 14:30	1.33	PERF	2	RU OWP ELU. # 5 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 11,400' SHOOT 24 HOLES FROM 11,096' TO 11,375'. 5,700 PSI WHEN GUNS WERE FIRED AND 5,400 PSI WITH GUNS ON THE SURFACE.
	14:55 - 17:45	2.83	STIM	3	FRAC STAGE # 5 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,438 BBLS SLICK WATER CARRING 40,300 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 6,940 PSI, AVERAGE RATE = 44.6 BPM.
	18:00 - 20:00	2.00	PERF	2	RU OWP ELU. # 6 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 11,000' SHOOT 24 HOLES FROM 10,716' TO 10,970'. 5,200 PSI WHEN GUNS WERE FIRED AND 5,600 PSI WITH GUNS ON THE SURFACE.
1/29/2008	06:00 - 09:25	3.42	STIM	3	FRAC STAGE # 6 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,339 BBLS SLICK WATER CARRING 39,800 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 9,130 PSI, AVERAGE RATE = 35 BPM.
	09:30 - 11:15	1.75	PERF	2	RU OWP ELU. # 7 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120* PHASE. SET CFP @ 10,615' SHOOT 24 HOLES FROM 10,304' TO 10,582'. 5,000 PSI WHEN GUNS WERE FIRED AND 4,800 PSI WITH GUNS ON THE SURFACE.

### Operations Summary Report

Well Name: NBZ 8D-31-8-24 ST-2  
 Location: 31- 8-S 24-E 26  
 Rig Name:

Spud Date: 8/31/2007  
 Rig Release:  
 Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/29/2008	12:05 - 18:10	6.08	STIM	3	FRAC STAGE # 7 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,632 BBLS SLICK WATER CARRING 40,000 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 6,370 PSI, AVERAGE RATE = 48 BPM.
	18:15 - 20:20	2.08	PERF	2	RU OWP ELU. # 8 MU RIH WITH 6 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120° PHASE.SET CBP @ 9,510' SHOOT 48 HOLES FROM 9,150' TO 9,484'. 3,900 PSI WHEN GUNS WERE FIRED AND 3,200 PSI WITH GUNS ON THE SURFACE.
1/30/2008	06:30 - 08:40	2.17	STIM	3	FRAC STAGE # 8 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 3,425 BBLS SLICK WATER CARRING 40,449 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 4,610 PSI, AVERAGE RATE = 47 BPM.
	08:45 - 10:35	1.83	PERF	2	RU OWP ELU. # 9 MU RIH WITH 5 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120° PHASE.SET CFP @ 9,020' SHOOT 16 HOLES FROM 8,813' TO 8,996'. 3,600 PSI WHEN GUNS WERE FIRED AND 3,500 PSI WITH GUNS ON THE SURFACE.
	10:35 - 12:20	1.75	STIM	3	FRAC STAGE # 9 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 2,391 BBLS SLICK WATER CARRING 82,001 LBS 20/40 PRC FROM .5 TO 2 PPA. AVERAGE PRESSURE = 5,500 PSI, AVERAGE RATE = 47 BPM.
	12:20 - 13:30	1.17	PERF	2	RU OWP ELU. # 10 MU RIH WITH 8 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120° PHASE.SET CFP @ 5,760' SHOOT 10 HOLES FROM 5,513' TO 5,734'. 4,000 PSI WHEN GUNS WERE FIRED AND 3,700 PSI WITH GUNS ON THE SURFACE.
	13:30 - 14:35	1.08	STIM	3	FRAC STAGE # 10 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 561 BBLS SLICK WATER CARRING 51,026 LBS 20/40 PRC FROM 1PPA TO 5 PPA. AVERAGE PRESSURE = 5,600 PSI, AVERAGE RATE = 31 BPM.
	14:45 - 15:45	1.00	PERF	2	RU OWP ELU. # 11 MU RIH WITH 5 GUNS LOADED 3 SPF, 11 GR CHARGE AND 120° PHASE.SET CFP @ 5,260' SHOOT 16 HOLES FROM 4,924' TO 5,234'. 3,800 PSI WHEN GUNS WERE FIRED AND 3,800 PSI WITH GUNS ON THE SURFACE.
	15:45 - 16:30	0.75	STIM	3	FRAC STAGE # 11 BREAK DOWN FLUID 19 BBLS 15% HCL WITH 567 BBLS SLICK WATER CARRING 48,211 LBS 30/60 SINTERLITE FROM .2 TO .75 PPA. AVERAGE PRESSURE = 4,000 PSI, AVERAGE RATE = 42 BPM.
	1/31/2008	07:00 - 18:00	11.00	WHD	2
2/1/2008	07:00 - 18:00	11.00	TRP	9	QEP repaired leak in Pro-Pack and tested. Load CT with 150° F water. MU Express 2 7/8" motor/jars with 3.625" 5-blade junk mill. Test stack to 8,000 psi. Attempt to RIH but tagged up in flow cross. MIRU second crane. ND flow cross. Upon inspection, found the Stinger 4 1/16" 10K X 4 1/16" 15K crossover ID was not full bore. Changed out crossover and NU. Re-test stack to 8,000 psi. RIH and drill out 10 plugs in 10 hours to FC depth of 13,202'. Pump final sweep and POOH (OOH @ 06:00 this morning. Noted pin hole in coil at 5,500'). Prep to RDMO CTDOE. IPS flowing well to sales: FCP - 2,600 psi, 34/64" choke, 2.0 MMCF/D gas, 120 BWPH and light sand. FLOWING TO SALES THROUGH IPS EQUIPMENT.
2/2/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS EQUIPMENT.
2/3/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS EQUIPMENT.
2/4/2008	06:00 - 06:00	24.00	PTST	2	FLOWING TO SALES THROUGH IPS EQUIPMENT.
2/5/2008	06:00 - 06:00	24.00	PTST	2	COST UPDATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>UTU 77301</b>
2. Name of Operator <b>QEP Uintah Basin Inc</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>11002 E. 17500 S. VERNAL, UT 84078-8526</b>	3b. Phone No. (include area code) <b>435-781-4319</b>	7. If Unit or CA/Agreement, Name and/or No. <b>Big Valley Unit</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1581' FNL, 1233' FEL, SENE, SECTION 31, T8S, R24E, SLBM</b>		8. Well Name and No. <b>NBZ 8D-31-8-24</b>
		9. API Well No. <b>43-047-37238</b>
		10. Field and Pool, or Exploratory Area
		11. County or Parish, State <b>Uintah</b>

**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 type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input checked="" type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input 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 Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**The operator requests approval to isolate water in this well by squeezing cement through a retainer and into perforations at 4924'-28' and 4938'-40'. The cement will be drilled out shortly after and well will be returned to production.**

**COPY SENT TO OPERATOR**

Date: 10.23.2008

Initials: KS

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

Name (Printed/Typed) <b>Lucius McGillivray lucius.mcgillivray@questar.com</b>	Title <b>Petroleum Engineer</b>
Signature <i>Lucius McGillivray</i>	Date <b>8/14/08</b>

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

Approved by <i>D. S. [Signature]</i>	Title <b>Pet. Eng.</b>	Date <b>10/20/08</b>
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 <b>DOG M</b>	<b>Federal Approval Of This Action Is Necessary</b>

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

(Instructions on page 2)

**RECEIVED**

**OCT 16 2008**

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

May 25, 2010

Birgit Roesink-Miller  
Questar Exploration & Production Co.  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

Re: Initial Consolidated Wasatch-Mesaverde-  
Mancos-Dakota Formation PA  
Big Valley Unit  
Uintah County, Utah

Dear Mrs. Roesink-Miller:

The Initial Consolidated Wasatch-Mesaverde-Mancos-Dakota Formation PA, Big Valley Unit, CRS No. UTU81308C, is hereby approved effective as of December 1, 2006, pursuant to Section 11 of the Big Valley Unit Agreement, Uintah County, Utah.

The Initial Consolidated Wasatch-Mesaverde-Mancos-Dakota Formation PA results in an initial consolidated participating area of 3,780.63 acres and is based upon the completion of the following wells as capable of producing unitized substances in paying quantities.

WELL NO.	API NO.	LOCATION	LEASE NO.
RWS 16ML-6-9-24	43-047-37335	SE $\frac{1}{4}$ SE $\frac{1}{4}$ , 06-9S-24E	UTU73456
RWS 2ML-5-9-24	43-047-37306	NW $\frac{1}{4}$ NE $\frac{1}{4}$ , 05-9S-24E	UTU73456
RWS 12ML-6-9-24	43-047-37312	NW $\frac{1}{4}$ SW $\frac{1}{4}$ , 06-9S-24E	UTU73456
RWS 4ML-5-9-24	43-047-37351	NW $\frac{1}{4}$ NW $\frac{1}{4}$ , 05-9S-24E	UTU73456
RWS 4ML-6-9-24	43-047-37412	NW $\frac{1}{4}$ NW $\frac{1}{4}$ , 06-9S-24E	UTU73456
RWS 8D-6-9-24	43-047-37352	SE $\frac{1}{4}$ NE $\frac{1}{4}$ , 06-9S-24E	UTU73456
RWS 6D-5-9-24	43-047-37350	SE $\frac{1}{4}$ NW $\frac{1}{4}$ , 05-9S-24E	UTU73456
RWS 6D-6-9-24	43-047-37413	SE $\frac{1}{4}$ NW $\frac{1}{4}$ , 06-9S-24E	UTU73456
NBZ 8D-31-8-24	43-047-37238	SE $\frac{1}{4}$ NE $\frac{1}{4}$ , 31-8S-24E	UTU77301
CWD 10D-32-8-24	43-047-37347	NW $\frac{1}{4}$ SE $\frac{1}{4}$ , 32-8S-24E	UTU78029
CWD 14D-32-8-24	43-047-37277	SE $\frac{1}{4}$ SW $\frac{1}{4}$ , 32-8S-24E	UTU78029

RECEIVED

JUN 07 2010

The following wells not capable of producing unitized substances in paying quantities will be included in the Initial Consolidated Wasatch-Mesaverde-Mancos-Dakota Formation PA pursuant to Section 11 of the unit agreement as necessary for unit operations.

WELL NO.	API NO.	LOCATION	LEASE NO.
RWS 10ML-5-9-24	43-047-37308	NW¼SE¼, 05-9S-24E	UTU73456
RWS 14D-5-9-24	43-047-37310	SE¼SW¼, 05-9S-24E	UTU73456
RWS 14D-6-9-24	43-047-37414	SE¼SW¼, 06-9S-24E	UTU73456
NBZ 8ML-30-8-24	43-047-37231	SE¼NE¼, 30-8S-24E	UTU77301
NBZ 13ML-29-8-24	43-047-37237	SW¼SW¼, 29-8S-24E	UTU77301
CWD 16D-32-8-24	43-047-37278	SE¼SE¼, 32-8S-24E	UTU78029

Copies of the approved request are being distributed to the appropriate Federal agencies and one copy is returned herewith. Please advise all interested parties of the approval of the Initial Consolidated Wasatch-Mesaverde-Mancos-Dakota Formation PA, Big Valley Unit, and the effective date.

No action will be taken at this time to your request for the contraction of the Big Valley Unit as it will automatically contract June 16, 2010.

Sincerely,

*/s/ Roger L. Bankert*

Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

bcc: UDOGM  
SITLA  
MMS - MRM w/enclosure (Attn: Leona Reilly)  
FOM - Vernal w/enclosure  
Unit file - Big Valley w/enclosure  
Fluids - Mickey  
Fluids - Judy  
Agr. Sec. Chron.  
Reading File  
Central Files

LWilcken:lw:(05/25/10)

**RECEIVED**  
JUN 07 2010  
DIV. OF OIL, GAS & MINING

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

**ROUTING**  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

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

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

CA No.

Unit:

BIG VALLEY

**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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
		7. UNIT or CA AGREEMENT NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265		10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		
QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: Attached
		STATE: UTAH

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

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*

Utah State Bond Number: ~~965003033~~ } *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) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

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

DIV. OF OIL, GAS & MINING

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

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RWS 3ML-9-9-24	09	090S	240E	4304735483	15190	Federal	GW	S	
RWS 10ML-6-9-24	06	090S	240E	4304735653	17644	Federal	GW	P	
CWD 4ML-32-8-24	32	080S	240E	4304735684	17644	Federal	GW	S	
NBZ 4D-30-8-24	30	080S	240E	4304737229	16630	Federal	GW	OPS	C
NBZ 6ML-30-8-24	30	080S	240E	4304737230	16810	Federal	GW	OPS	C
NBZ 8ML-30-8-24	30	080S	240E	4304737231	17644	Federal	GW	P	
NBZ 10ML-30-8-24	30	080S	240E	4304737232	16695	Federal	GW	OPS	C
NBZ 12D-30-8-24	30	080S	240E	4304737233	16631	Federal	GW	OPS	C
NBZ 14ML-30-8-24	30	080S	240E	4304737234	16696	Federal	GW	OPS	C
NBZ 6D-31-8-24	31	080S	240E	4304737235	16611	Federal	GW	OPS	C
NBZ 4D-31-8-24	31	080S	240E	4304737236	16576	Federal	GW	OPS	C
NBZ 13ML-29-8-24	29	080S	240E	4304737237	17644	Federal	GW	P	
NBZ 8D-31-8-24	31	080S	240E	4304737238	17644	Federal	GW	P	
NBZ 2ML-31-8-24	31	080S	240E	4304737239	17098	Federal	GW	OPS	C
NBZ 11D-29-8-24	29	080S	240E	4304737240	16612	Federal	GW	OPS	C
NBZ 5D-29-8-24	29	080S	240E	4304737241	16632	Federal	GW	OPS	C
NBZ 9D-29-8-24	29	080S	240E	4304737244	15677	Federal	GW	OPS	C
NBZ 15ML-29-8-24	29	080S	240E	4304737246	16697	Federal	GW	OPS	C
CWD 3D-32-8-24	32	080S	240E	4304737274	16923	Federal	GW	OPS	C
CWD 14ML-32-8-24	32	080S	240E	4304737277	17644	Federal	GW	P	
CWD 16D-32-8-24	32	080S	240E	4304737278	17644	Federal	GW	P	
RWS 2ML-5-9-24	05	090S	240E	4304737306	17644	Federal	GW	P	
RWS 8D-5-9-24	05	090S	240E	4304737307	16614	Federal	GW	OPS	C
RWS 10ML-5-9-24	05	090S	240E	4304737308	17644	Federal	GW	S	
RWS 12ML-5-9-24	05	090S	240E	4304737309	17644	Federal	GW	P	
RWS 14D-5-9-24	05	090S	240E	4304737310	17644	Federal	GW	P	
RWS 16ML-5-9-24	05	090S	240E	4304737311	16698	Federal	GW	OPS	C
RWS 12ML-6-9-24	06	090S	240E	4304737312	17644	Federal	GW	P	
RWS 16ML-6-9-24	06	090S	240E	4304737335	17644	Federal	GW	P	
CWD 10D-32-8-24	32	080S	240E	4304737347	17644	Federal	GW	P	
RWS 6D-5-9-24	05	090S	240E	4304737350	17644	Federal	GW	P	
RWS 4ML-5-9-24	05	090S	240E	4304737351	17644	Federal	GW	P	
RWS 8D-6-9-24	06	090S	240E	4304737352	17644	Federal	GW	P	
RWS 2D-6-9-24	06	090S	240E	4304737411	17272	Federal	GW	OPS	C
RWS 4ML-6-9-24	06	090S	240E	4304737412	17644	Federal	GW	S	
RWS 6D-6-9-24	06	090S	240E	4304737413	17644	Federal	GW	P	
RWS 14D-6-9-24	06	090S	240E	4304737414	17644	Federal	GW	P	
RWS 5ML-9-9-24	09	090S	240E	4304738645	17273	Federal	GW	OPS	C
RWS 12ML-9-9-24	09	090S	240E	4304738646	17274	Federal	GW	OPS	C
NBZ 16D-31-8-24	31	080S	240E	4304739435		Federal	GW	APD	C
NBZ 10D-31-8-24	31	080S	240E	4304739456		Federal	GW	APD	C
NBZ 12D-31-8-24	31	080S	240E	4304739457		Federal	GW	APD	C
NBZ 14D-31-8-24	31	080S	240E	4304739458		Federal	GW	APD	C
CWD 13D-32-8-24	32	080S	240E	4304739464		Federal	GW	APD	C
RWS 7D-6-9-24	06	090S	240E	4304739494		Federal	GW	APD	C
RWS 13D-6-9-24	06	090S	240E	4304739495		Federal	GW	APD	C
RWS 11D-6-9-24	06	090S	240E	4304739496		Federal	GW	APD	C
RWS 9D-6-9-24	06	090S	240E	4304739497		Federal	GW	APD	C
RWS 3D-6-9-24	06	090S	240E	4304739498		Federal	GW	APD	C
RWS 15D-6-9-24	06	090S	240E	4304739500		Federal	GW	APD	C

Bonds: BLM = ESB000024  
 BIA = 956010693  
 State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RWS 5D-6-9-24	06	090S	240E	4304739501		Federal	GW	APD	C
RWS 7D-5-9-24	05	090S	240E	4304739502		Federal	GW	APD	C
RWS 11D-5-9-24	05	090S	240E	4304739503		Federal	GW	APD	C
RWS 9D-5-9-24	05	090S	240E	4304739504		Federal	GW	APD	C
RWS 13D-5-9-24	05	090S	240E	4304739505		Federal	GW	APD	C
RWS 15D-5-9-24	05	090S	240E	4304739506		Federal	GW	APD	C
RWS 3D-5-9-24	05	090S	240E	4304739507		Federal	GW	APD	C
RWS 1D-5-9-24	05	090S	240E	4304739508		Federal	GW	APD	C
NBZ 5D-31-8-24	31	080S	240E	4304739511		Federal	GW	APD	C
CWD 11D-32-8-24	32	080S	240E	4304739535		Federal	GW	APD	C
CWD 15D-32-8-24	32	080S	240E	4304739536		Federal	GW	APD	C
RWS 5D-5-9-24	05	090S	240E	4304739673		Federal	GW	APD	C
RWS 1D-6-9-24	06	090S	240E	4304739674		Federal	GW	APD	C
NBZ 3D-31-8-24	31	080S	240E	4304739675		Federal	GW	APD	C
NBZ 16D-30-8-24	30	080S	240E	4304740355		Federal	GW	APD	C
NBZ 15D-30-8-24	30	080S	240E	4304740356		Federal	GW	APD	C
CWD 6D-32-8-24	32	080S	240E	4304740357		Federal	GW	APD	C
CWD 2D-32-8-24	32	080S	240E	4304740358		Federal	GW	APD	C
CWD 5D-32-8-24	32	080S	240E	4304740359		Federal	GW	APD	C
NBZ 10D-29-8-24	29	080S	240E	4304740360		Federal	GW	APD	C
NBZ 8D-29-8-24	29	080S	240E	4304740361		Federal	GW	APD	C
NBZ 14D-29-8-24	29	080S	240E	4304740362		Federal	GW	APD	C
NBZ 16D-29-8-24	29	080S	240E	4304740363		Federal	GW	APD	C
NBZ 12D-29-8-24	29	080S	240E	4304740364		Federal	GW	APD	C
NBZ 13D-30-8-24	30	080S	240E	4304740365		Federal	GW	APD	C
RWS 4D-9-9-24	09	090S	240E	4304740470		Federal	GW	APD	C
NBZ 9D-30-8-24	30	080S	240E	4304740471		Federal	GW	APD	C
NBZ 11D-30-8-24	30	080S	240E	4304740472		Federal	GW	APD	C
NBZ 7D-30-8-24	30	080S	240E	4304740473		Federal	GW	APD	C
NBZ 2D-29-8-24	29	080S	240E	4304740476		Federal	GW	APD	C
CWD 7D-32-8-24	32	080S	240E	4304740477		Federal	GW	APD	C
CWD 9D-32-8-24	32	080S	240E	4304740478		Federal	GW	APD	C
RWS 6D-9-9-24	09	090S	240E	4304740479		Federal	GW	APD	C
RWS 13D-9-9-24	09	090S	240E	4304740480		Federal	GW	APD	C
NBZ 6D-29-8-24	29	080S	240E	4304740483		Federal	GW	APD	C
NBZ 1D-30-8-24	30	080S	240E	4304740484		Federal	GW	APD	C
NBZ 2D-30-8-24	30	080S	240E	4304740485		Federal	GW	APD	C
NBZ 3D-30-8-24	30	080S	240E	4304740486		Federal	GW	APD	C



## 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