

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

3a Address **1050 17TH STREET, SUITE 500 DENVER, CO 80265** 3b Phone No (include area code) **303-672-6905**

4 Location of Well (Footage, Sec., T, R., M., or Survey Description)  
**590' FNL and 1650' FEL, SEC. 31, T24N-R6W (NWNE)**

5 Lease Serial No  
**NMSF-078534**

6 If Indian, Allottee or Tribe Name

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

8 Well Name and No  
**BOBBY B NO. 2**

9 API Well No  
**3003905270**

10 Field and Pool, or Exploratory Area  
**GALLUP**

11 County or Parish, State  
**RIO ARRIBA COUNTY, NM**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 recompleat 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 recompleat 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 Company advises the BLM the subject well was plugged and abandoned May 14, 2007.**  
**Attached is the P&A work summary.**  
**For more information, please contact Matt Nikkel at 303-672-6975.**

**RECEIVED**

**SEP 24 2007**

**Bureau of Land Management  
Farmington Field Office**

**RCVD SEP 26 '07**

14 I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**LANI P. RIEGER**

Title **SR. ENGINEERING TECH.**

**OIL CONS. DIV.  
DIST. 3**

Signature

*Lani P. Rieger*

Date

**09/20/2007**

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

Approved by

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

Date

Office

**ACCEPTED FOR RECORD**

Title 18 USC Section 1001 and Title 43 USC 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.

**SEP 25 2007**

(Instructions on page 2)

**NMOCD**

**FARMINGTON FIELD OFFICE**

Questar Exploration & Production Co.  
**Bobby B #2**

May 15, 2007  
Page 1 of 2

590' FNL & 1650' FEL, Section 31, T-24-N, R-6-W  
Rio Arriba County, NM  
Lease Number: NMSF-078534  
API #30-039-05270

**Plug and Abandonment Report**

Notified BLM & NMOCD on 5/7/07

**Work Summary:**

- 5/8/07 MOL and RU. Check pressures: tubing and bradenhead, 0 PSI; casing, 10 PSI. Dig out bradenhead and replace valve. Blow well down. ND wellhead and NU BOP. TOH and tally 174 joints 2.375" tubing, SN and sawtooth collar, total 5487'. Round trip 4.5" casing scraper to 5335'. PU 4.5" DHS cement retainer and attempt to RIH; drag springs will not collapse. LD CR. Shut in well. SDFD.
- 5/9/07 Open up well, no pressure. RIH and set 4.5" PlugWell wireline CIBP at 5304'. TIH with tubing with standing valve in SN and tag CIBP at 5304'. Pressure test tubing to 1000 PSI for 5 minutes. Fish standing valve. Load casing with 5 bbls of water and circulate well clean with 82 bbls of water. Attempt to pressure test casing to 800 PSI, small leak - bleed down to 0 PSI in 20 seconds.  
**Plug #1** with CIBP at 5304', spot 24 sxs Type III cement (32 cf) with 2% CaCl<sub>2</sub> inside casing from 5304' to 4957' to isolate the Gallup perforations and top.  
PUH and WOC. TIH and tag cement at 4997'. PUH to 3631'. Attempt to pressure test casing, bled down to 0 PSI in 20 seconds.  
**Plug #2** with 24 sxs Type III cement (32 cf) inside the casing from 3631' up to 3284' to cover the Mesaverde top.  
PUH and WOC. Shut in well. SDFD.
- 5/10/07 Attempt to pressure test casing to 800 PSI, bled down to 0 PSI in 20 seconds. RIH with wireline and tag cement at 3356'. Perforate 3 squeeze holes at 2084'. Attempt to establish rate into squeeze holes, pressured up to 800 PSI. M. Hunley, BLM, approved following procedure change to an inside plug. TIH with tubing to 2150'.  
**Plug #3** with 24 sxs Type III cement (32 cf) with 2% CaCl<sub>2</sub> inside the casing from 2150' up to 1803' to cover the Pictured Cliffs top.  
PUH to 1854' and reverse circulate well clean. TOH with tubing and WOC.  
Pressure test casing to 800 PSI and held 10 minutes. RIH with wireline and tag cement at 1873'. Perforate 3 squeeze holes at 1830'. Establish rate into squeeze holes 2 bpm at 300 PSI. RIH and set 4.5" PlugWell wireline cement retainer at 1780'. TIH and sting into retainer. Establish injection rate ½ bpm at 2000 PSI.  
Note: Not injection rate is less and pressure higher after setting the CR. Sting out of CR. Attempt to pressure test casing to 800 PSI, leak 2 bpm at 300 PSI.  
Apparently something has happened to the casing above the CR.

**Work Summary - Continued:**

5/10/07 Continued:

**Plug #4** with CR at 1780', mix and pump 44 sxs Type III cement (58 cf), sting into CR and squeezed 17 sxs below, locked up at 2000 PSI. Displaced with ½ bbl of water and stung out of CR; left 12 sxs above to cover the Fruitland top. (Note: unable to pump sufficient volume to cover the Kirtland and Ojo Alamo tops.) TOH with tubing. Shut in well. SDFD.

5/11/07 Open up well, no pressure. Attempt to pressure test casing to 800 PSI, leak at rate 3 bpm at 300 PSI. RIH with wireline and tag cement at 1616'. M. Hunley, BLM, required procedure change to add plug to cover the Kirtland and OA tops. Perforate 3 squeeze holes at 1598'. TIH and set 4.5" DHS cement retainer at 1550'. Attempt to pressure test casing to 800 PSI, leak 3 bpm at 300 PSI. Sting into CR and establish rate 2 bpm at 1000 PSI. Note: noticed small flow from casing valve. Close casing valve and recorded same injection rate.

**Plug #5** with CR at 1550', mix and pump 132 sxs Type III cement (175 cf), squeeze 120 sxs outside 4.5" casing and leave 12 sxs above the CR to cover the Kirtland and Ojo Alamo interval.

Attempt to pull and LD tubing; found the pipe was stuck. Worked the tubing 8' up hole pulling 45000#. Reverse circulate well clean above the CR with 25 bbls of water. Then conventionally circulate the well clean; returns had some shale and formation. Work tubing pulling 45,000 PSI, stuck. Stretch tubing and calculate the free point at 520' to 560'. S. Mason, BLM, approved procedure change. RIH with tubing jet cutter, tag at 409'. Unable to go deeper. M. Hunley and S. Mason, BLM, approved procedure change to cut tubing after setting plug above CR.

**Plug #5a** with 38 sxs Type III cement (51 cf) inside 4.5" casing above the CR from 1540' up to 1000' to cover the Kirtland and Ojo Alamo tops.

Displaced to 1000 PSI. RIH with wireline and jet cut tubing at 320'. TOH and LD tubing; left the CR setting tool and 1200' tubing in well. Perforate 3 squeeze holes at 255'. Establish circulation to surface out the bradenhead valve with 2 bbls of water. Then lost circulation. Note: alternating pump hose from casing to bradenhead to attempt to circulate out pieces of thick black shale out of the BH annulus. Remove bull plug on casing head opposite the BH valve and dig ditch to pit for less restriction. Circulate bradenhead semi-clean; ran out of pit capacity. Shut in well. SDFD.

5/14/07 Open up well, no pressure. TIH with tubing to 321'. Establish circulation out casing and bradenhead valves with 1 bbl of water; no pressure.

**Plug #6** mix and pump 107 sxs Type III cement (142 cf) down 4.5" casing from 320' to surface, circulate good cement out casing and bradenhead valves.

TOH and LD tubing. ND BOP. Dig out wellhead. Issue Hot Work Permit. Cut off wellhead. Found cement down 10' in 4.5" casing and 4' in 8.625" annulus. Mix 20 sxs Type III cement and install P&A marker. RD. MOL.

M. Hunley, BLM, was on location.