

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

2004 DEC 13 PM 1 17

RECEIVED

070 FARMINGTON NM

1. Type of Well
Oil

2. Name of Operator
Questar Exploration & Production Company

3. Address & Phone No. of Operator
1050 17th Street, Suite 500, Denver, CO 80265 (303) 672-6900

Location of Well, Footage, Sec., T, R, M

1850' FNL & 790' FEL, Section 21, T-24-N, R-7-W, NMPM

5. Lease Number
NMNM-0557390

6. If Indian, All. or
Tribe Name

Unit Agreement Name

8. Well Name & Number
Federal 3-21 #2

9. API Well No.
30-039-05396

10. Field and Pool
Escrito Gallup

11. County & State
Rio Arriba County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Questar plugged and abandoned this well bore on November 1, 2004 per the attached report.

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

Signed Scott A. Goodwin Jr. Title Senior Petroleum Engineer Date 12/9/04

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

NMOCD

ACCEPTED FOR RECORD
DEC 23 2004
FARMINGTON FIELD OFFICE
BY Jim

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 * fax: 505-325-1211

Questar Exploration & Production Company
Federal 3-21 #2

November 2, 2004
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1850' FNL & 790' FEL, Section 21, T-24-N, R-7-W
Rio Arriba County, NM
Lease Number: NMNM-0557390
API #30-039-05396

Plug & Abandonment Report

Plugging Summary:

Notified BLM 10/25/04

10/25/04 MOL and RU rig.

10/26/04 Well pressures: 0 PSI tubing, 0 PSI casing, 0 PSI bradenhead. NU BOP, test. Lay relief lines to pit. TOH with 183 joints 2-3/8" EUE tubing. Round trip 4.5" casing scraper to 5751'. TIH with DHS CR to 5688'. Shut in well and SDFD.

10/27/04 Set DHS CR at 5720'. Pressure test tubing to 1200 PSI. Load casing with 11 bbls of water and circulate clean with an additional 96 bbls. Attempt to pressure test casing, leak 1 bpm at 750 PSI.

Plug #1 with CR at 5720', spot 15 sxs Type III cement (20 cf) inside casing above CR up to 5503' to isolate the Gallup perforations and top.

PUH to 4867'. WOC. TIH and tag cement at 5523'. TOH and LD tubing. Attempt to pressure test casing, leak 1-1/2 bpm at 700 PSI. Perforate 3 holes at 3246'. TIH and set 4.5" DHS CR at 3192'. Attempt to pressure test casing above CR, leak 1-1/2 bpm at 750 PSI. Sting into CR and establish rate 2 bpm at 900 PSI.

Plug #2 with CR at 3192', mix and pump 46 sxs Type III cement (61 cf), squeeze 39 sxs outside the casing and leave 7 sxs inside casing up to 3091' to cover the Mesaverde top. PUH to 1770'. WOC and SDFD.

10/28/04 TIH and tag cement at 3090'. PUH to 2370'. Attempt to pressure test casing, leak 1-1/2 bpm at 500#. TOH and LD tubing. Perforate 3 squeeze holes at 2436'. TIH and set 4.5" DHS CR at 2370'. Attempt to pressure test casing above CR, leak 1-1/2 bpm at 500#. Sting into CR and establish rate 2 bpm at 600#; established circulation out casing valve – due to casing leak(s) – shut casing valve.

Plug #3 with CR at 2370', mix and pump 155 sxs Type III cement (205 cf), squeeze 130 sxs outside the casing and leave 25 sxs inside casing up to 2009' to cover the Pictured Cliffs and Fruitland tops; note after spotting cement, the casing valve was flowing back. PUH to 1960'. Circulate the casing clean (conventional), circulated out 8 bbls cement and 25 bbls colored water. TOH with tubing and WOC.

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1850' FNL & 790' FEL, Section 21, T-24-N, R-7-W
Rio Arriba County, NM
Lease Number: NMNM-0557390
API #30-039-05396

Plug & Abandonment Report

Plugging Summary:

10/29/04 RU wireline unit and RIH. Tag cement at 1829'. Attempt to pressure test casing, leak 1 bpm at 750 PSI. TIH with 4.5" Weatherford packer and isolate casing holes between 380' and 506'. TOH and LD packer. Following procedure change approved by Ron Snow with BLM – plug #3 cement filled the casing above the Kirtland top. RIH perforate 3 holes at 1825' (as deep as possible). TIH and set 4.5" DHS CR at 1770'. Sting into CR and establish rate 1-1/2 bpm at 1000#.

Plug #4 with CR at 1770', mix and pump 72 sxs Type III cement (95 cf), squeeze 61 sxs outside the casing and leave 11 sxs inside casing up to 1611' to cover the Kirtland and Ojo Alamo tops.

TOH and LD tubing. RIH perforate 3 holes at 305'. Establish circulation out the bradenhead with 5 bbls of water.

Plug #5 with 130 sxs Type III cement (172 cf) pumped down the 4.5" casing from 305' to surface, circulate good cement out bradenhead valve.

Shut in and WOC, SDFD.

11/1/04 ND BOP. Dig out wellhead with backhoe. Cut off and found cement at surface in casing and annulus. Mix 20 sxs Type III cement to install P&A marker. RD. MOL. Ron Snow, BLM representative, was on location. Jim Milligan, Questar representative, was on location.