

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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' FSL & 990' FEL, Section 33, T-23-N, R-7-W, NMPM

5. Lease Number

NMNM-16586

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Federal I #2

9. API Well No.

30-043-20335

10. Field and Pool

Alamito Gallup

11. County & State

Sandoval 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 30, 2004 per the attached procedure.

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.

NWCCD

FARMINGTON FIELD OFFICE
BY sm

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 I #2

November 30, 2004
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1850' FSL & 990' FEL, Section 33, T-23-N, R-7-W
Sandoval County, CO
Lease Number: NMNM - 16586
API #30-043-20335

Plug & Abandonment Report

Plugging Summary:

Notified BLM 11/17/04

11/17/04 MOL and RU rig.

11/18/04 Lay relief lines to pit. Well pressures: 0 PSI tubing, 0 PSI casing. ND wellhead. NU BOP, test. Release Model R packer. Flow well to pit. TOH with 164 joints 2-3/8" EUE tubing, LD 44 bad joints. TIH with 4.5" casing scraper and 156 joints tubing. TOH with scraper. TIH with 4.5" cement retainer, did not set. SDFD

11/19/04 Set 4.5" DHS CR at 4855'. Pressure test tubing to 1500 PSI, held OK. Circulate well clean with 80 bbls of water. Attempt to pressure test casing, leak 1.5 bpm at 1000 PSI.

Plug #1 with CR at 4855', spot 20 sxs Type III cement (26 cf) inside casing up to 4559' to isolate the Gallup perforations.

TOH with tubing and WOC. RU wireline unit and RIH; tag cement 4674'. Perforate 3 holes at 2286'. TIH and set 4.5" DHS CR at 2234'. Attempt to pressure test casing above CR, leak 1 bpm at 750 PSI.

Plug #2 with CR at 2234', mix and pump 45 sxs Type III cement (59 cf), squeeze 39 sxs outside casing from 2286' to 2186' and leave 6 sxs inside casing up to 2134' to isolate Mesaverde top. PUH with tubing and WOC overnight.

11/22/04 TIH and tag cement at 2130'. TOH with tubing. Perforate 3 holes at 1920'. TIH and set 4.5" DHS CR at 1861'. Attempt to pressure test casing above CR, leak 1.5 bpm at 900 PSI. Establish rate under CR into squeeze holes 1 bpm at 1000 PSI.

Plug #3 with CR at 1861', mix and pump 45 sxs Type III cement (59 cf), squeeze 39 sxs outside casing from 1920' to 1820' and leave 6 sxs inside casing above CR up to 1770' to isolate the Chacra top.

PUH and WOC. TIH and tag cement at 1788'. TOH with tubing. Perforate 3 holes at 1508'. TIH and set 4.5" wireline CR at 1458'. TIH with stinger and tag CR. Attempt to pressure test casing above CR, leak 1.5 bpm at 750 PSI. Sting into CR.

Plug #4 with CR at 1458', mix and pump 46 sxs Type III cement (59 cf), squeeze 39 sxs below the CR and outside the casing from 1508' to 1408' and leave 7 sxs inside casing above CR up to 1358' to cover the Pictured Cliffs top. TOH with tubing and WOC overnight.

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1850' FSL & 990' FEL, Section 33, T-23-N, R-7-W
Sandoval County, NM
Lease Number: NMNM-16586
API #30-043-20335

Plug & Abandonment Report

Plugging Summary Continued:

- 11/23/04 TIH with tubing and tag cement at 1334'. PUH to 1241'. Attempt to pressure test casing, leak 1-1/2 bpm at 900 PSI.
Plug #5 with 32 sxs Type III cement (42 cf) inside casing from 1241' to 760' to cover the Fruitland, Kirtland and Ojo Alamo tops. TOH with tubing and WOC.
TIH with tubing to 1241'. Unable to tag solid cement. Reverse circulate well clean with 8 bbls of fresh water and circulated out 5 bbls cement.
Plug #5a with 54 sxs Type III cement (71 cf) inside casing from 1241' to 441' to cover the Fruitland, Kirtland and Ojo Alamo tops.
PUH to 404' and circulate well clean with 8 bbls water, returns 1 bbls of cement.
TOH with tubing. Close BOP and squeeze 3 bbls of water down the casing, final pressure 800 PSI. Calculated top of displaced cement at 527'. WOC.
- 11/24/04 TIH with tubing and tag soft cement at 465'. TOH with tubing and LD tagging sub. PU sawtooth collar. TIH to 496'. Wash down with reverse circulation to 620'. Returns of cement. Circulate well clean. WOC.
- 11/29/04 Following procedure changes required by R. Snow with BLM. PU 3-7/8" bit and TIH. Tag cement at 504'. RU power swivel and pump truck. Drill out cement from 504' to 605'. Start to drill hard cement at 605'. BLM satisfied with cement hardness at 605'. TOH with bit. TIH with 6 joints tubing to 186'.
Plug #6 with 13 sxs Type III cement (17 cf) inside casing from 186' to surface, circulate good cement out the casing valve. TOH and LD tubing. Shut in well and WOC.
- 11/30/04 TIH with tubing and tag cement at 45'. TOH and LD all tubing. ND BOP. Dig out and cut off wellhead. Found cement at the surface the bradenhead annulus. Mix 35 sxs Type III cement to fill the casing and then install P&A marker.
RD. MOL.
Ron Snow, BLM representative, was on location.
Jim Milligan, Questar representative, was on location.