

submitted in lieu of Form 3160-5

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

Sundry Notices and Reports on Wells

OCT 24 PM 12 25

RECEIVED

070 FARMINGTON NS

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

6. Lease Number
NMNM-16586
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 proposes to plug and abandoned this well per the attached procedure.

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

Signed Scott A. Goodwin Jr. Title Operations Engineer

Date 9/20/04

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____

Date OCT 18 2004

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.

NMOCED

PLUG & ABANDONMENT PROCEDURE

September 14, 2004

Federal I #2

Alamito Gallup

1850' FSL, 990' FEL, Section 33, T-23-N, R-7-W
Sandoval County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 pg with a 1.32 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Questar safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; function test BOP.
2. Well records indicate a Model R packer set at 510'. **USE EXTREME CAUTION WHEN RELEASING THIS PACKER** - There may be trapped pressure below it. If necessary, perforate the tubing at approximately 520' under a pack-off. Release packer and TOH with the 2-3/8" tubing (5108'). Visually inspect tubing and tally. If necessary LD tubing and PU 2-3/8" workstring. Round trip 4-1/2" casing scraper or wireline gauge ring to 4854'.
3. Plug #1 (Gallup perforations and top: ⁴⁶⁸¹4854'-~~4827'~~): TIH with tubing and set a 4-1/2" CR at 4854'. Pressure test tubing to 1000#. Load the casing and circulate well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 15 sxs Type III cement (excess due to history of casing leaks) and spot balanced plug to cover the Gallup top. PUH to 2980'.
4. Plug #2 (Mesaverde top: ^{2286 2186}2980'-~~2980'~~): Mix 20 sxs Type III cement and spot a balanced plug inside ^{outside} casing to cover the Mesaverde top. TOH with tubing.
→ Church 1920-1920 inside & outside
5. Plug #3 (Pictured Cliffs top: ^{1508 1406}1480'-~~1380'~~): Perforate 3 HSC holes at 1480'. Set a CR at 1430'. Establish rate into squeeze holes. Mix and pump 55 sxs Type III cement, squeeze 35 sxs outside the casing and leave 20 sxs inside casing to cover the Pictured Cliffs top. PUH above cement.
6. Plug #4 (Fruitland, Kirtland and Ojo Alamo tops: ^{1293 860}1330' - 940'): Mix 20 sxs Type III cement and spot a balanced plug inside the casing to cover the through the Ojo Alamo top. PUH to 181'.
7. Plug #5 (8-5/8" casing shoe, 181' - Surface): Pressure test the bradenhead annulus to 300#. If the bradenhead does not test, then perforate at the appropriate depth and attempt to establish circulation to surface. Cement accordingly to cover the surface casing shoe and the bradenhead annulus. If the BH tests, then mix approximately 25 sxs and spot a balanced plug inside the casing to cover the surface casing shoe, circulate good cement out casing valve to surface. TOH and LD tubing. Shut in well and WOC.
8. Dig down and cut off surface and production casing below ground level. Fill well with cement as necessary and install P&A marker to comply with regulations. RD and MOL.

Federal I #2**Current**

Alamito Gallup

1860' FSL & 990' FEL, Section 33, T-23-N, R-7-W

Sandoval County, NM / API #30-043-20335

Today's Date: 9/14/4

Spud: 4/28/79

Completed: 7/6/79

Elevation: 6866' GL

12-1/4" hole

Sq'z casing leaks 386' -
455' w/200 sxs (Aug '93)
Model R Packer @ 510'
(Aug '93)

Sq'z casing leaks 429' -
460' w/150 sxs (Sep '91)

Ojo Alamo @ 990'

Sq'z casing leaks 1158' -
1187' w/150 sxs (Sep '91)

Kirtland @ 1130'

Fruitland @ 1280'

Pictured Cliffs @ 1430'

Mesaverde @ 2930'

Sq'z casing leaks 3488' -
3736' w/500 sxs (Dec '83)

Gallup @ 4842'

7-7/8" hole

8-5/8" Casing set @ 131'
Cement with 100 sxs (Circulated to Surface)

Well History:

12/83: Repair casing leak 3488'-3736' w/ 500 sxs.

09/91: Repair casing leaks 1158'-1187' & 429'-460'
with 150 sxs and 150 sxs respectively.

08/93: Repair casing leak 386'-455' w/ 200 sxs.
Set model R packer at 510'. EOT at 5108'.
CAUTION WHEN UNSEATING PACKER!

09/00: Well returned to production; swabbed?

12/01: Swab Well.

2-3/8" Tubing @ 5108' (?)

TOC @ 4450' (CBL)

Gallup Perforations:
4894' - 5108'

4-1/2" 10.5#, K-55 Casing set @ 5260'
Cemented with 175 sxs

TD 5260'
PBTD 5206'

Federal I #2 Proposed P&A

Alamito Gallup

1850' F8L & 990' FEL, Section 33, T-23-N, R-7-W

Sandoval County, NM / API #30-043-20336

Today's Date: 9/14/4

Spud: 4/28/79

Completed: 7/6/79

Elevation: 6866' GL

12-1/4" hole

Sq'z casing leaks 386' -
455' w/200 sxs (Aug '93)
Model R Packer @ 510'
(Aug '93)

Sq'z casing leaks 429' -
460' w/150 sxs (Sep '91)

Ojo Alamo @ 990'

Sq'z casing leaks 1158' -
1187' w/150 sxs (Sep '91)

Kirtland @ 1130'

Fruitland @ 1280'

Pictured Cliffs @ 1430'

Mesaverde @ 2930'

Sq'z casing leaks 3488' -
3736' w/500 sxs (Dec '83)

Gallup @ 4842'

7-7/8" hole

8-5/8" Casing set @ 131'
Cement with 100 sxs (Circulated to Surface)

Plug #6: 181' - Surface
Type III cement, 25 sxs

Plug #4: 1330' - 940'
Type III cement, 40 sxs

Plug #3: 1480' - 1380'
Type III cement, 55 sxs,
35 outside and 20 inside

Cmt Retainer @ 1430'

Perforate @ 1480'

Plug #2: 2980' - 2880'
Type III cement, 20 sxs

TOC @ 4450' (CBL)

Set CR @ 4854'

Plug #1: 4854' - 4754'
Type III cement, 15 sxs

Gallup Perforations:
4894' - 5108'

4-1/2" 10.5#, K-55 Casing set @ 5260'
Cemented with 175 sxs

TD 5260'
PBD 5206'