

submitted in lieu of Form 3160-5

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

2004 OCT 4 PM 4 11

RECEIVED

070 FARM 51 GTO

1. Type of Well
Oil

5. Lease Number
NM-014021-B
6. If Indian, All. or
Tribe Name

2. Name of Operator
Questar Exploration and Production Company

7. Unit Agreement Name
Escrito Gallup

3. Address & Phone No. of Operator
1050 17th Street, Suite 500, Denver, CO 80265 (303)672-6931

8. Well Name & Number
Stephenson 1-22
9. API Well No.

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

780' FNL and 660' FWL, Section 22, T-24N, R7W,

10. Field and Pool
Escrito Gallup

11. County & State
Rio Arriba, 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 plans to plug and abandon this well per the attached procedure.

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

Signed Scott Goodwin Title Operations Engineer Date 9/30/04

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____ Date OCT 08 2004

CONDITION OF APPROVAL, if any:

NMOCD

NMOCD

PLUG & ABANDONMENT PROCEDURE

September 26, 2004

Stephenson #1-22

Escrito Gallup

780' FNL and 660' FWL, Section 22, T-24-N, R-7-W
Rio Arriba 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. TOH visually inspecting and tallying 2-3/8" tubing (5986'). If necessary LD tubing and PU 2-3/8" workstring. Round trip 4-1/2" casing scraper or gauge ring to 5730'.
3. **Plug #1 (Gallup perforations, 5730' – 5630'¹⁶):** TIH and set a 4-1/2" CR at 5730'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 11 sxs Type III cement and spot balanced plug inside the casing to isolate the Gallup top. TOH with tubing.
4. **Plug #2 (Mesaverde top, 4030'³²⁹⁶ – 3930'³¹⁹⁶):** Perforate 3 HSC holes at 4030'. If the casing pressure tested, attempt to establish rate into squeeze holes. Set CR at 3980'. Establish rate below CR. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing to cover the Mesaverde top. PUH to 2555'.

³²⁹⁶
5. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2555' – 1730'):** Mix 60 sxs cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. TOH and LD tubing.
6. **Plug #5 (Nacimiento top and 8-5/8" casing shoe, 360' - Surface):** Perforate 3 HSC holes at 360'. Establish circulation to surface out the bradenhead. Mix and pump approximately 90 sxs cement down 4-1/2" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. Dig out the wellhead 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.

Stephenson 1-22

Current

Escrito Gallup

780' FNL & 660' FWL, Section 22, T-24-N, R-7-W

Rio Arriba County, NM / API #30-039-05422

Today's Date: 9/26/04

Spud: 9/5/60

Completed: 11/3/60

Elevation: 7140' GL

12-1/4" hole

Nacimiento @ 310'

Ojo Alamo @ 1780'

Csg leaks from 2550' – 2704' were squeezed with total 450 sxs.

Kirtland @ 1940'

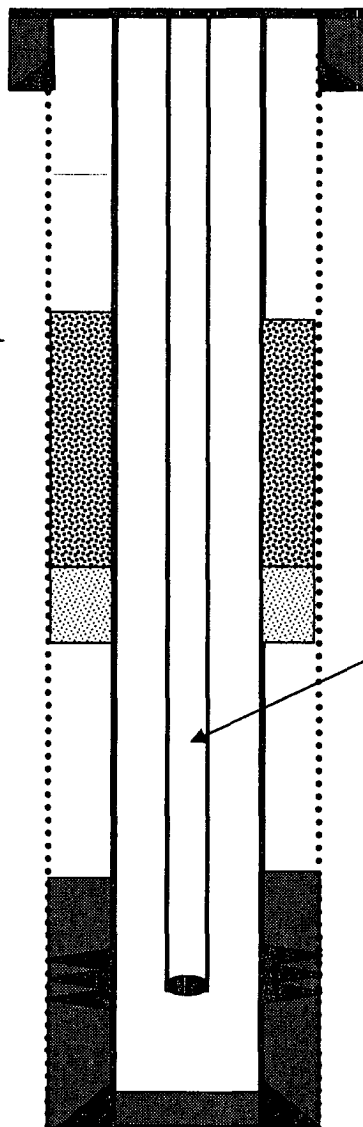
Fruitland @ 2290'

Pictured Cliffs @ 2505'

Mesaverde @ 3980'

Gallup @ 5760'

7-7/8" hole



8-5/8", 34#, Casing set @ 206'
Cement with 125 sxs (Circulated to Surface)

Well History:

07/74: Repair casing leak 270'. Cut and pull casing and tie back with casing patch from 285'.

08/77: Acidize well.

09/82: Repair casing leak 2550'-2565' with 400 sxs.

07/87: Fracture treat well

04/95: Repair casing leaks 2674'-2704' & 2590'-2560' (slow leaks) with 50 sxs, DO and PT.

2-3/8" Tubing @ 5986' (??)

TOC @ 5346' (Calc 70% eff.)

Gallup Perforations:
5782' – 6004'

4-1/2" 11.6# & 9.5#, J-55 Casing set @ 6059'
Cemented with 150 sxs

TD 6062'

Stephenson 1-22

Proposed P&A

Escrito Gallup

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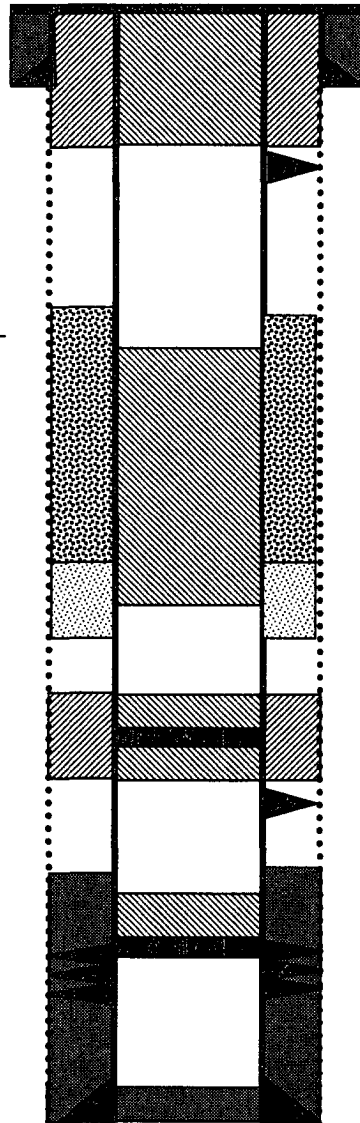
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Pictured Cliffs @ 2505'

Mesaverde @ 3980'

Gallup @ 5760'

7-7/8" hole



TD 6062'

8-5/8", 34#, Casing set @ 206'
Cement with 125 sxs (Circulated to Surface)

Perforate @ 360'

Plug #5: 360' – Surface
Type III cement, with
approximately 90 sxs

Plug #3: 2555' – 1730'
Type III cement, 60 sxs

Plug #2: 4030' – 3930'
Type III cement, 46 sxs,
35 outside and 11 inside

Cmt Retainer @ 3980'

Perforate @ 4030'

TOC @ 5346' (Calc 70% eff.)

CR @ 5730'

Gallup Perforations:
5782' – 6004'

Plug #1: 5730' – 5630'
Type III cement, 11 sxs

4-1/2" 11.6# & 9.5#, J-55 Casing set @ 6059'
Cemented with 150 sxs