

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
SF-078974

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT ---" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Questar Exploration and Production

3. Address and Telephone No.

1331 17th Street, Suite 800, Denver, CO 80202 (303)672-6916

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1975' FSL and 1837' FWL of Sec. 22, T24N-R7W

8. Well Name and No.

Federal 6-22 # 1

9. API Well No.

30-039-05384

10. Field and Pool, or Exploratory Area

Escrito Gallup

11. County or Parish, State

Rio Arriba, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REFERENCE: NMNM-014023 (WC)
3162.3-2 (7100)

Questar Exploration and Production proposes to plug and abandon subject well according to the attached procedure.

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

Signed

Henry Okuma

Title

Operations Engineer

Date

11/05/1999

(This space for Federal or State office use)

Approved by

Title

Date

11/30/99

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United State any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

* See Instructions on Reverse Side

FEDERAL 6-22 No. 1

K (NESW) Sec. 22-T24N-R7W
Rio Arriba County, New Mexico
Drilled by
Spud date:
Schematic - not drawn to scale

Drawn 10/21/1999

8-5/8" Surface Casing:

8-5/8", 24#, J-55 csg. Set @ 411'. Cemented
w/ 225 sx cmt. Circulate to surface.

5-1/2" Production Casing:

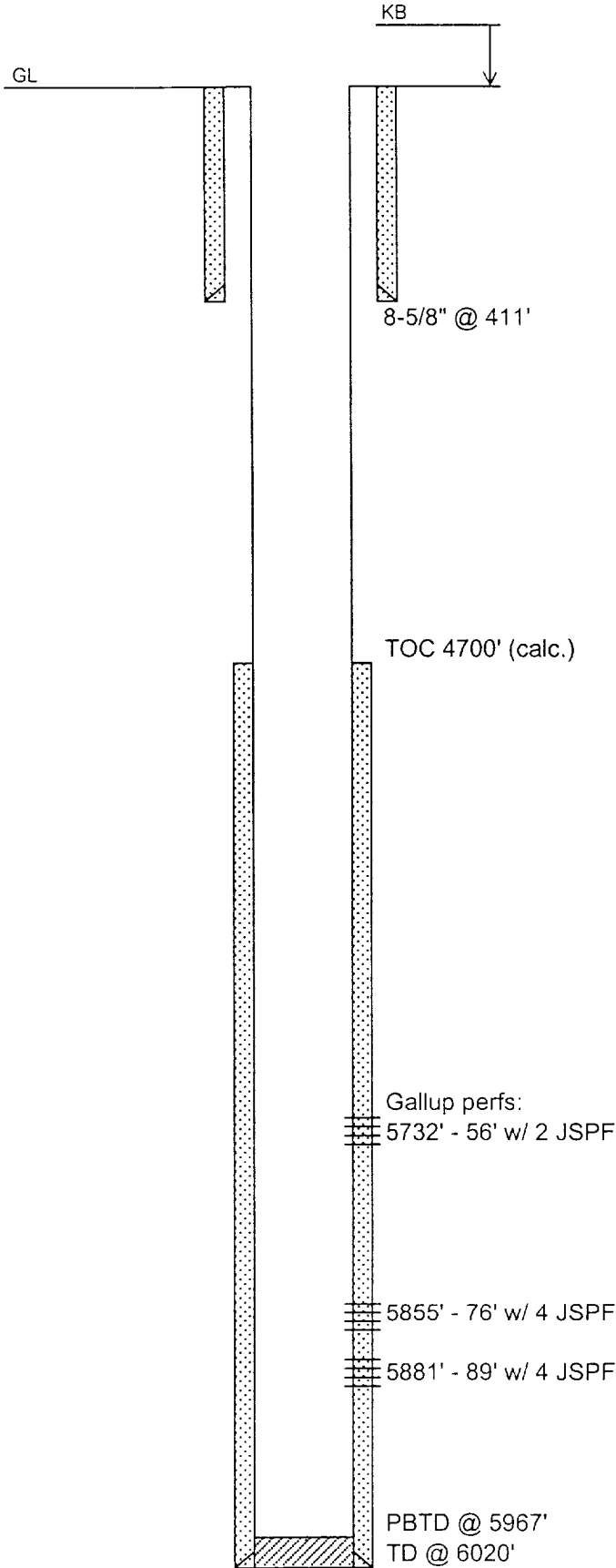
5-1/2", 15.5#, J-55 csg. Set @ 6020'. Cemented
w/ 200 sx cmt.

Tubing Data:

unknown

TOPS

Pictured Cliff	2327'
Lewis Shale	2429'
Point Lookout	4615'
Mancos Shale	4864'
Gallup	5727'



PLUG & ABANDONMENT PROCEDURE

Federal 6-22 No. 1

Escrito Gallup

1975' FSL and 1837' FWL, Section 22, T24N-R7W

Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Questar safety regulations. MI and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well, kill with water as necessary.
2. ND wellhead and NU BOP, test. TOH and tally 2 3/8" tubing and visually inspect.
3. **Plug #1 (Gallup perforations (5732' – 5889') and top, 5727')**: Set 5 1/2" CIBP at +/- 5700'. TIH with open ended tubing and tag CIBP. Load casing with water. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 20 sx Class B cement and spot a plug inside casing above the CIBP to isolate Gallup interval and cover top. TOH with tubing.
4. **Plug #2 (Mesaverde top, 4105')**: Perforate 3 squeeze holes at 4100'. Establish rate into squeeze holes if casing tested. TIH and set 5 1/2" cement retainer at 4000'. Establish rate under retainer into squeeze holes. Mix 50 sx Class B cement, squeeze 39 sx outside casing and spot 11 sx inside to cover Mesaverde top. PUH to 2350'.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 2327' - 2244')**: Mix 20 sx Class B cement and spot a plug inside casing to cover Pictured Cliff and Fruitland Coal tops. POH.
6. **Plug #4 (Kirtland and Ojo Alamo tops, 2089' – 1865')**: Perforate 3 squeeze holes at 2089'. Establish rate into squeeze holes if casing tested. TIH and set a 5 1/2" cement retainer at 2000'. Establish rate into squeeze holes. Mix 100 sx Class B cement, squeeze 90 sx outside casing and spot 10 sx inside to cover Ojo Alamo interval.
7. **Plug #5 (Nacimiento top, 810')**: Perforate 3 squeeze holes at 800'. Establish rate into squeeze holes. Mix 100 sx Class B cement, squeeze 75 sx outside casing and spot 25 sx inside to cover Nacimiento interval.
8. **Plug #6 (9 5/8" casing shoe at 411')**: Perforate 3 squeeze holes at 461'. Establish circulation out bradenhead valve. Mix and pump approximately 75 sx Class B cement down the 5 1/2" casing from 461' to surface. Circulate good cement out bradenhead valve. Shut-in well and WOC.
9. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RDMOSU, cut off anchors and restore location.