

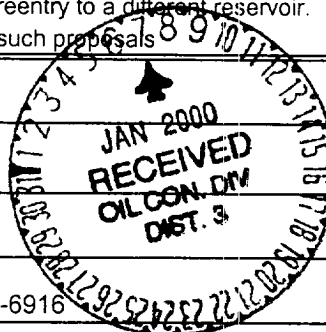
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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)

2080' FSL and 1960' FEL of Sec. 8, T23N-R8W

5. Lease Designation and Serial No.

NM-5454

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal F No. 1

9. API Well No.

30-045-20951

10. Field and Pool, or Exploratory Area

Nageezi Gallup

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

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
☐ 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-5454 (WC)
3162.3-4 (7100)

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

12/13/99 PM 1:27

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

Signed Steve Oklman Title Operations Engineer Date 12/13/1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: _____

PLUG & ABANDONMENT PROCEDURE

Federal "F" No. 1

Nageezi Gallup

2080' FSL and 1960' FEL, Section 8, T23N-R8W

San Juan 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 (5068' – 5210') and top, 4755')**: Set 4 1/2" CIBP at +/- 4725'. 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 15 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, 2958')**: Perforate 3 squeeze holes at 2950'. Establish rate into squeeze holes if casing tested. TIH and set 4 1/2" cement retainer at 2900'. Establish rate under retainer into squeeze holes. Mix 50 sx Class B cement, squeeze 40 sx outside casing and spot 10 sx inside to cover Mesaverde top.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 1550' - 1423')**: Mix 15 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, 1030' – 830')**: Perforate 3 squeeze holes at 1000'. Establish rate into squeeze holes if casing tested. TIH and set a 4 1/2" cement retainer at 950'. Establish rate into squeeze holes. Mix 75 sx Class B cement, squeeze 65 sx outside casing and spot 10 sx inside to cover Ojo Alamo interval.
7. **Plug #5 (Nacimiento top, surface; 8 5/8" casing shoe at 128')**: Perforate 3 squeeze holes at 200'. Establish circulation out bradenhead valve. Mix and pump approximately 35 sx Class B cement down the 4 1/2" casing from 200' to surface. Circulate good cement out bradenhead valve. Shut-in well and WOC.
8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RDMOSU, cut off anchors and restore location.