

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

GRAHAM ROYALTY, LTD.

3. ADDRESS OF OPERATOR

1675 Larimer Street, Suite 400, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below)
At surface

790' FNL & 1650' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6975' GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Union Navajo

9. WELL NO.

5-21

10. FIELD AND POOL OR WILDCAT

Nageezi Gallup

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA

Sec. 5-23N-8W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANT

(Other)

(Other)

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

17. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)*

Plug and Abandon Daily Report attached.

Witnessed and approved by Larry Pixel with BLM.

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

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

SIGNED

Terry S. Holzwarth

TITLE Petroleum Engineer

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DATE 5/16/89

MAY 23 1989

AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully 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.

GRAHAM ROYALTY, LTD.

Union Navajo #5-21
Escrito Field
San Juan County, NM
Plug and abandon.

- 4/25/89 MIRU Petro Well Service. Install BOP stack. TOOH with 157 jts. 2-3/8" tubing and tallied same. PU and RIH with 4-1/2" bit and casing scraper to 5110'. TOOH with bit and scraper. PU Flopetrol Johnson 4-1/2" cement retainer. TIH with retainer to 5110'. Mixed 130 Bbls. of 9.2#/gal. fresh water mud. SDFN.
- 4/26/89 RU Dowell. Set cement retainer at 5110'. Squeezed 50 sx Class G neat below retainer. Stung out and spotted a 5 sx plug on top. PU 2 stands and circulate hole with 9.2#/gal. mud. TOOH with tubing and retainer tool. RU Schlumberger. Perforate 4 sq. holes at 3278' and 4 sq holes at 2150'. TOOH with guns. TIH w/ 5 stands tailpipe, cementing packer on tubing and set packer at + 2700'. End of tubing + 3000'. Squeezed perfs at 3278' with 30 sx and left 15 sxs/ + 200' in casing (3278' to 3078'). Final squeeze pressure 1350#. Released packer. Laid down 35 jts 2-3/8". Set packer at + 1854'. End of tubing at 2154'. Pressured up on perfs to 900#. Backside communicated indicating hole in casing above packer. Located hole in casing at 1820'. Released packer, went downhole and placed end of tubing at 2154'. Spotted 10 sx (120') from 2154' to + 2034'. TOOH with packer. RU Schlumberger. TIH with 3 perforating guns. Shot 4 squeeze holes at 1740', 1300', and 620'. RD Schlumberger. Secure well and SDFN.
- 4/27/89 TIH with open-ended tubing to 1875'. TOOH with tubing due to BLM changing orders. TIH with tubing and packer. Set packer at 1775'. Pressured up on casing leak at 1825'. Had circulation above packer. Pulled uphole and set packer at + 1700'. Pumped into perfs at 1740'. Had circulation above packer. Pulled uphole and reset packer at + 1250'. Pumped into perfs at 1300'. Had circulation above packer. Pulled uphole and reset packer at 600'. Pumped into perfs at 620'. Had circulation at surface. Ran downhole with packer to 1775'. Pumped 20 sx cement into hole at 1825'. TOOH with packer. TIH with cement retainer on tubing. Set retainer at 1400'. Pumped into perfs at 1740' at 1200#. No circulation. Squeezed perfs at 1740' with 100 sx. Some circulation at end of job. (340' of cement below retainer). Stung out of retainer. TOOH with tubing. PU packer and TIH to 900'. Attempted to pump in perfs at 1300'. Did not have circulation (1 BPM at 1200#). TOOH with packer. TIH with cement retainer and set at 899'. Pumped 112 sx cement with very little circulation. Well gasing slightly. POOH with tubing. TIH with cement retainer and set at 515'. Pumped 50 sx into perfs at 620' and established good circulation. Shut-in braidenhead and pumped 4 sx cement at 500#. Pressure held. Unstung from retainer and TOOH with tubing. Pumped 4 sx (50 ft) surface plug. Tied onto braidenhead and put 7 sx cement down braidenhead. Final pressure 550#. RD Dowell.