

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved by
Bureau of Land Management
Expires August 31, 1988
LEASE DESIGNATION AND SERIAL NO.
NM 14442
IF INDIAN, ALLOTTEE OR TRUST NAME

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.)

1. WELL TYPE: ☒ 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 & 1080' FEL
14. ELEVATION (Show whether DE, RT, GR, etc.): 7068' GL
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

5. UNIT AGREEMENT NAME
6. FARM OR LEASE NAME: Dome Federal
7. WELL NO.: 13-41
8. FIELD AND POOL OR WILDCAT: Lybrook Gallup
9. SEC., T., R., M., OR BLE. AND SURVEY OR AREA: Sec. 13-23N-8W
10. COUNTY OR PARISH: San Juan
11. STATE: NM

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13. STATE: NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NATURE OF INTEREST IN WELL: ☐ WATER SHUT-OFF ☐ REPAIR WELL ☐ ABANDONMENT
FRACTURE TREATMENT: ☐ FRACTURE TREATMENT ☐ SHOOTING OR ACIDIZING
SHOOTING OR ACIDIZING: ☐ SHOOTING OR ACIDIZING
REPAIR WELL: ☐ REPAIR WELL
ABANDONMENT: ☐ ABANDONMENT
(Other):
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)

1. MIRU. Install and test BOP stack.
2. TOOH with production string.
3. TIH with cement retainer on tbg. Set retainer at 5150'. Squeeze 50 sx cement below retainer, sting out, and dump 5 sx on top. Fill hole with 9.2 ppg mud.
4. Spot a 100' plug from 3480' to 3380'.
5. Spot a 100' plug from 2270' to 2170'. See attached
6. Perf @ 1885'. Place a cement plug from 1885' to 1640' inside and outside 4½" casing.
7. Perf @ 1245'. Place a cement plug from 1245' to 1045' inside and outside 4½" casing.
8. Perf @ 610'. Set a 100' cement plug inside and outside 4½" casing.
9. Spot plug from surface to 50'.
10. Squeeze a 50' plug down braidenhead.
11. RDMO. Weld plate on casing. Weld P&A marker.
12. Clean up and restore location.

RECEIVED
DEC 21 1988
OIL CON. DIV
DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

18. I hereby certify that the foregoing is true and correct
SIGNED: Wilbur L. Dover
TITLE: Division Manager
DATE: December 1, 1988
(This space for Federal or State office use)

APPROVED BY: [Signature]
TITLE: AREA MANAGER
DATE: 1-1-1988
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side
NMOG

BUREAU OF LAND MANAGEMENT
1235 La Plata Highway
Farmington, New Mexico 87401
Phone (505) 327-5344

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment

Well: 41 Dome Fed 13

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."

2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 327-5344.

3. Blowout prevention equipment is required.

4. The following modifications to your plugging program are to be made (when applicable):

Mesaverde plug move to 3350' - 3250' inside & outside 4 1/2" casing
Chacra " " " 2688 - 2588' " " "

pictured ch. H₂ plug bring up to 1555' " " "
Fruitland

Ojo Alamo plug move to 1440' - 1170' " " "

RECEIVED
DEC 21 '1988
OIL CON. DIV.
DIST. 3

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.

2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.

3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.

4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).

5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perms-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.

5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.

6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.

7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.