

## 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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Graham Royalty, Ltd		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1675 Larimer Street, Suite 400, Denver, CO 80202		8. FARM OR LEASE NAME Jeffers Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below) At surface  1750' FSL & 1650' FWL		9. WELL NO. 2-23	
14. PERMIT NO		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		11. SEC., T., R., N., OR S.E., AND SURVEY OR AREA Sec. 2-23N-8W	
		12. COUNTY OR PARISH San Juan	13. STATE 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(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.)

The most recent attempt to sell subject well did not close as the potential purchaser could not afford an operating bond. Therefore, Graham Royalty, Ltd. proposed to P&A the Jeffers Federal 2-23 as follows:

1. MIRU. Install and test BOP stack.
2. TOOH with rods, pump, and tubing.
3. TIH with cement retainer on tbq. Set retainer at 4700'. 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 3340' to 3240'. (Top of Cliff House @ 3290'.)
5. Spot a 100' plug from 1150' to 1050'. (Top of Ojo Alamo @ 1096'.)
6. Spot a 100' plug from 610' to 510'. (Surface casing shoe @ 560'.)
7. Spot plug from surface to 50'.
8. RDMO. Weld plate on casing. Weld P&A marker.
9. Clean up and restore location.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

18 I hereby certify that the foregoing is true and correct

SIGNED

Wilbur L. Doyer

TITLE Division Manager

DATE 7/28/88

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

\*See Instructions on Reverse Side

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: 2-23 offers Fed

### CONDITIONS OF APPROVAL

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

2. Mark Kella 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):

- 1) Move Mesquite plug to 3440'-3340'
- 2) Add plug from 2255'-2155' (Chacara)
- 3) perf @ 1885' & plug 1885'-1640' inside & outside 4½" casing [Approved Clit.
- 4) perf @ 1245' & " 1245'-1045' " " " " " " a Fr. clined,  
(Cjo Alamo)
- 5) perf @ 610' & plug 610'-510' " " " "
- 6) Squeeze 50' down Braidenhead.

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  $\text{CaCl}_2$  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 perfs-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.