

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

R & G Drilling Company C/O KM Production Company

3. Address and Telephone No.

PO Box 2406 Farmington, NM 87499 (505)325-6900

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

1620' FNL & 1815' FEL Sec. 10, T27N, R8W

5. Lease Designation and Serial No.

NM-005791

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Graham #51

9. API Well No.

30-045-20909

10. Field and Pool, or Exploratory Area

Otero Chacra & Blanco Mesa Verde

11. County or Parish, State

San Juan County, 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.)*

We propose to P & A this well as per attached procedure.

RECEIVED
MAR 1 1993
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
93 FEB 22 AM 11:18
070 FARMINGTON, NM

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Signed

Kayla H. McLeod

Title Petroleum Engineer

Date 2-19-93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

**APPROVED
AS AMENDED**

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 statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

FEB 24 1993
AREA MANAGER

R&G DRILLING CO.
GRAHAM #51
1620 FNL & 1815 FEL
SECTION 10, T27N,R8W
SAN JUAN COUNTY, NEW MEXICO

PLUGGING PROCEDURE

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FORMATION TOPS:

Ojo Alamo	984 ft
Kirtland	1032 ft
Fruitland	1988 ft
Pictured Cliffs	2150 ft
Chacra	3108 ft
Cliffhouse	3840 ft
Point Lookout	4414 ft
Total Depth	4600 ft

CURRENT STATUS:

CASING:

SURFACE - 8 5/8" 24#/ft @ 272 ft, cemented to surface
LONGSTRING - 4 1/2" 11.6#/ft @ 4600 ft, DV tool @ 3250 ft
Stage #1 - 200 sx of Class B, 236 ft³ - TOC @ 3770 ft
Stage #2 - 275 sx of Class B, 325 ft³ - TOC @ 2110 ft

TUBING:

PRODUCTION - 2 3/8" 4.7#/ft @ 4500 ft
Baker A-1 Loc Set packer set @ 3200 ft

PERFORATIONS:

Chacra	3109 - 3141	30 holes
Cliffhouse	3844 - 4245	50 holes
Point Lookout	4414 - 4500	60 holes

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1. Move in and rig up service unit.
2. Nipple down wellhead and nipple up BOP. Release packer and trip tubing out of hole. Tally tubing. Laydown packer and seating nipple.
3. Trip in hole with cement retainer on tubing. Set retainer at 3790 ft. Pump cement plug #1, 80 sx (94 ft³) of Class B cement into perforations from 3844 to 4500 ft. Sting out of retainer.
4. Spot 10 barrels of 8.5 #/gal, 35 viscosity mud from 3141 to 3790 ft.
5. Move tubing to 3058 ft. Pump cement plug #2, 20 sx (24 ft³) of Class B cement into perforations from 3109 to 3141 ft. Squeeze off perforations to 1000 psi. Trip tubing 10 stands out of hole. Wait on cement.

6. Pressure test casing to 1000 psi. Move tubing to tag cement plug #2 and verify top of plug. Spot 14 barrels of 8.5 #/gal, 35 viscosity mud from 2200 to 3058 ft.
7. Move tubing to 2200 ft. Spot cement plug #3, 30 sx (35 ft3) of Class B cement from 1938 to 2200 ft.
8. Move tubing to 1938 ft. Spot 13 barrels of 8.5 #/gal, 35 viscosity mud from 1082 to 1938 ft. Trip tubing out of hole.
9. Rig up wireline. Perforate 2 squeeze holes at 1082 ft. Pickup cement retainer on tubing. Trip in hole and set retainer at 934 ft. Pump cement plug #4, 50 sx (59 ft3) of Class B cement. Sting out of retainer. Pressure test casing to 1000 psi. Fill hole to surface with 15 barrels of 8.5 #/gal, 35 viscosity mud. Trip tubing out of hole.
10. Rig up wireline. Perforate 2 squeeze holes at 322 ft. Trip tubing in hole to 322 ft. Spot cement plug #5, 50 sx (59 ft3) of Class B cement across surface casing shoe from 222 to 322 ft. Trip tubing out of hole.
11. Nipple down BOP and wellhead. Cut off all casing 3 ft below ground level. Install dry hole marker in 10 sx (12 ft3) surface plug.
12. Rig down and release service unit. Remove all surface equipment from location.
13. Rehabilitate well pad and pit area as per surface management agency requirements.

PLUG SUMMARY:

Plug #1: (Mesaverde)	3790 - 4500	80 sx	94 ft3
Plug #2: (Chacra)	3058 - 3141	20 sx	24 ft3
Plug #3: (P.C.-Fruitland)	1938 - 2200	30 sx	35 ft3
Plug #4: (Ojo Alamo)	934 - 1082	75 sx	88 ft3
Plug #5: (Surface csg shoe)	222 - 322	50 sx	59 ft3
Plug #6: (Surface)		10 sx	12 ft3