

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			3. LEASE DESIGNATION AND SERIAL NO. SF-078481-A		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -4/ PM 1:42		
2. NAME OF OPERATOR R & G DRILLING COMPANY			7. UNIT AGREEMENT NAME N.M.		
3. ADDRESS OF OPERATOR c/o Walsh Engr. & Prod. Corp. P. O. Drawer 419 Farmington, New Mexico 87499			8. FARM OR LEASE NAME Graham		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 790'FSL, 1050'FWL At proposed prod. zone Same			9. WELL NO. 30-A		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 14 miles Southeast of Blanco, N.M.			10. FIELD AND POOL, OR WILDCAT Basin-Fruitland Coal		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 10-T27N-R8W		
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL u/ 320			13. STATE N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -0- PBTB			20. ROTARY OR CABLE TOOLS Completion Unit		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5877			22. APPROX. DATE WORK WILL START* 4/16/91		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0	222'	140 sacks (165 Ft.3)
7-7/8"	4-1/2"	11.60	2345'	432 sacks (1302 Ft.3)

Well currently plugged back to 1995'. 60 sacks (71 ft.3) cement squeezed below retainer and 15 sacks (18 ft.3) spotted on top of retainer.

Fruitland sand perforations 1610' to 1620'.

See Attached for workover procedure.

NOTE: All activity associated with this workover, including construction of pits will be within the boundary of the original well site.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. FOR: R & G DRILLING COMPANY
ORIGINAL SIGNED BY **EWELL N. WALSH** TITLE **Agent**
SIGNED **EWELL N. WALSH**
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

NMOCD

*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.

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OIL CON. DIV
DIST. 3

APPROVED
DATE 3/4/91

MAR 19 1991
Ken Townsend
DATE
FOR AREA MANAGER
FARMINGTON RESOURCE AREA

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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DEM

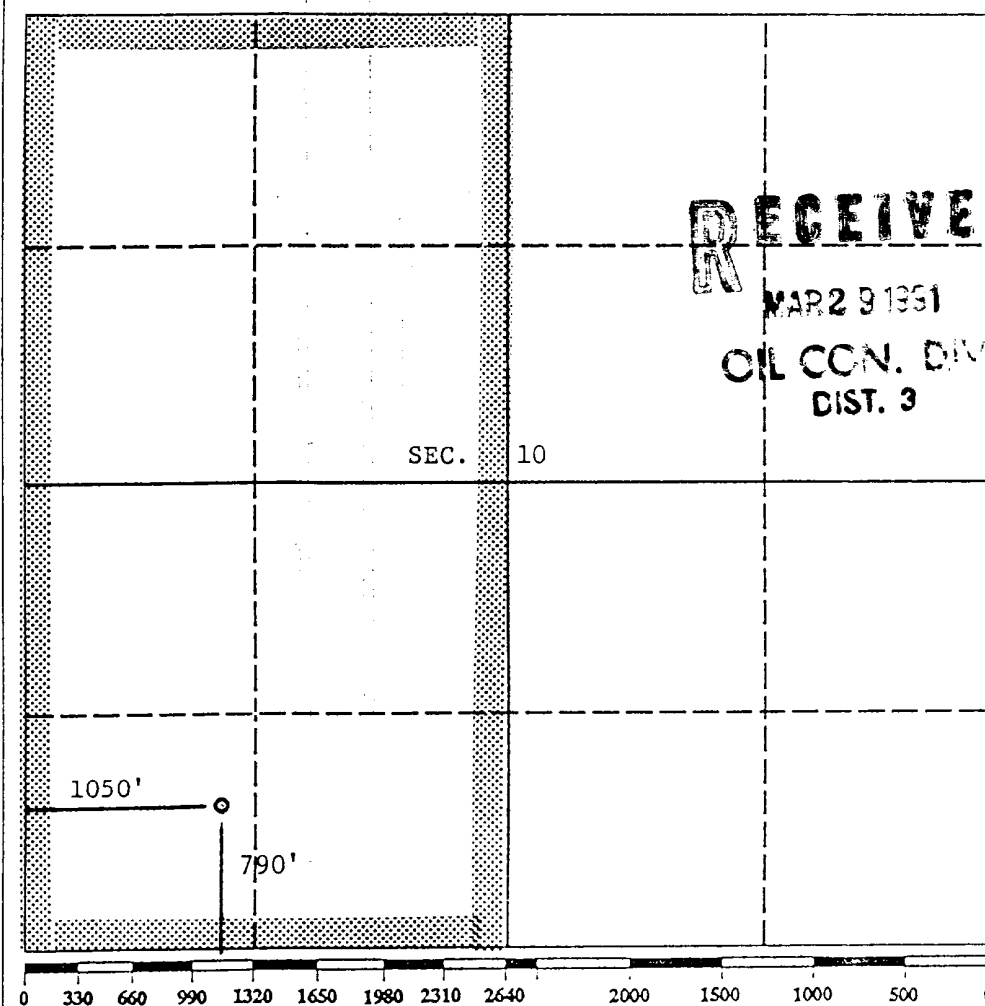
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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator R & G DRILLING COMPANY			Lease Graham		Well No. 30-A
Unit Letter M	Section 10	Township 27N	Range 8W	County San Juan	
Actual Footage Location of Well: 790' feet from the South line and 1050' feet from the West line					
Ground level Elev. 5877	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal		Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

FOR: R & G DRILLING CO.

Signature ORIGINAL SIGNED BY
EWELL N. WALSH

Printed Name
Ewell N. Walsh

Position
President
Company
Walsh Engr. & Prod. Corp.

Date
3/4/91

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

R & G DRILLING COMPANY
GRAHAM NO. 30-A
790'FSL, 1050'FWL, SECTION 10-T27N-R8W
San Juan County, New Mexico

CURRENT WELLBORE
CONFIGURATION

8-5/8" casing at 222' with 140 sacks
cement circulated.

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D&G

1-1/4", 2.40 lb., E.U.E. tubing at 1588' with cross pin
collar on bottom.

Fruitland Sand perforations, 1610' to 1620'.

Bridge Plug at 1995', 15 sacks cement on top.

Pictured Cliffs perforations 2033' to 2058'. Squeezed
with 60 sacks cement.

4-1/2", 11.60 lb. casing set at 2345' with 567 sacks.
Cement circulated to surface.
Lead Cement - 432 sacks Lite with 12-1/2 lb. Gilsomite.
Tail Cement - 135 sacks 50/50 Pozmix.
Top tail cement 650' to 750'.



R & C DRILLING COMPANY
GRAHAM NO. 30-A
790'FSL, 1050'FWL, SECTION 10-T27N-R8W
San Juan County, New Mexico

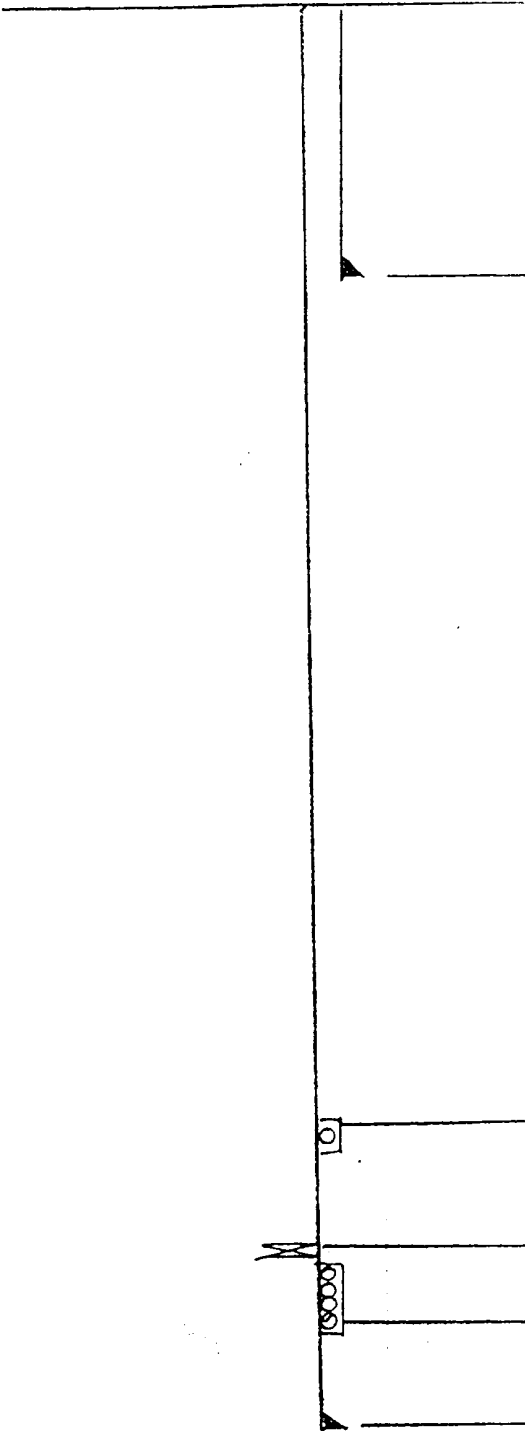
PROPOSED WORKOVER PROCEDURE

1. Clean location and prepare swab pit.
2. Install safety anchors.
3. Move in workover unit.
4. Kill well. Nipple down wellhead. Install B.O.P.
5. Run packer and squeeze Fruitland Sand perforations with 100 sacks cement with 2% Calcium Chloride.
6. Pull packer.
7. Drill out cement.
8. Test perforations with 1000 psig.
9. Clean out casing to top of bridge plug at 1995'.
10. Circulate casing clean.
11. Pressure test casing with 1000 psig.
12. Run Compensated Neutron/Gamma Ray Collar locator log.
13. Run tubing and spot 7-1/2% MCA acid across interval to perforate.
14. Perforate Fruitland Coal Intervals with 2 shots per foot.
15. Run packer and retrievable bridge plug to selectively break down individually perforated intervals and acidize.
16. Pull packer and retrievable bridge plug.
17. Run 1-1/4", 2.40 lb., EUE tubing.
18. Swab or remove water utilizing nitrogen.
19. Test well to evaluate deliverability.
20. Need for additional stimulation will be reviewed after test of well.

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R & C DRILLING COMPANY
GRAHAM NO. 30-A
790'FSL, 1050'FWL, SECTION 10-T27N-R8W
San Juan County, New Mexico

PROPOSED WELLBORE
CONFIGURATION
FRUITLAND COAL COMPLETION



8-5/8" casing at 222' with 140 sacks
cement circulated.

The diagram shows a vertical wellbore. At the top, there is a horizontal line representing the surface. A vertical line descends from this surface. At 222' depth, there is a small triangle pointing to the right, indicating the start of the 8-5/8" casing. Further down, at 1610' to 1620', there is a small circle with a dot inside, representing a perforation. Below this, at 1995', there is a small rectangle with a cross inside, representing a bridge plug. Below the bridge plug, at 2033' to 2058', there is a small rectangle with a cross inside, representing a perforation. At the bottom, at 2345', there is a small triangle pointing to the right, indicating the start of the 4-1/2" casing. The casing is shown as a vertical line with a small circle at the bottom, representing the tail cement.

NOTE: -Fruitland Coal Intervals, as determined by
cased hole logs, will be perforated, 2 shots
per foot.
-1-1/4", 2.40lb., EUE to be run as production
tubing.

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DIST. 3

Fruitland Sand perforations, 1610' to 1620'.
(Squeeze with 100 sacks)

Bridge Plug at 1995'.
Cement drilled out to top of bridge plug.

Pictured Cliffs perforations 2033' to 2058'.
Squeezed with 60 sacks cement.

4-1/2", 11.60 lb., casing set at 2345' with 567 sacks.
Cement circulated to surface.
Lead Cement - 432 sacks Lite with 12-1/2 lb. Gilsonite.
Tail Cement - 135 sacks 50/50 Pozmix.
Top tail cement - 650' to 750'.