

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

Arco Oil and Gas Company, a division of Atlantic Richfield Co.

3. Address and Telephone No.

1816 E. Mojave, Farmington, New Mexico 87401

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

Unit H (SE NE) 1850' FNL and 1165' FEL

Sec. 9, T27N, R8W

5. Lease Designation and Serial No.

NMNM05750

6. If Indian, Allottee or Tribe Name

15

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Graham C WN Federal Com #1

9. API Well No.

30-045-06672

10. Field and Pool, or Exploratory Area

Blanco Mesa Verde and Blanco Pictured Cliffs So.

11. County or Parish, State

San Juan, New Mexico

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.)*

Attached is a plugging procedure for the subject well. Upon your approval, Arco will plug and abandon this well.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed Ribal & Genie

Title Production Supervisor

APPROVED
AS AMENDED

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

JAN 03 1992

AREA MANAGER

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.

*See instruction on Reverse Side

NM000

September 22, 1991

Plugging Procedure - Graham C Comm. # 1 ARCO
NE, Sec. 9, T27N, R8W

Note: All cement plug volumes include excesses of 150 % for inside casing plugs; and 200 % for external. Mud, 9.0 ppg, will separate all cement plugs.

Procedure:

1. MO RU; Blow well down; ND wellhead; NU BOPs.
 2. Pull out of hole with tubing and Brown Oil Tool Packer; inspect and tally tubing; LD packer and sliding sleeve.
 3. Round trip 4-3/4" bit to 4200' to check casing gauge.
 4. PU and RIH with 5-1/2" cement retainer and set at 4200'.
 5. Plug #1 - MV open hole interval from 4200' to 4750' with 83 sacks Class B neat cement; leave 6 sxs cement on top of CR.
 6. POC cement then circulate hole and spot mud from 4150' to 3838', 7 bbls.
 7. Plug #2 - MV top from 3838' to 3738' with 17 sacks Class B cement.
 8. POC cement to 3688' and spot mud from 3688' to 2201', 34 bbls. Pull tubing up to 2201'.
 9. Plug #3 - PC perfs and top from 2201' to 2084' with 20 sacks Class B cement.
 10. POC cement; WOC and then tag cement.
 11. Spot mud from top of cement to 1925', 4 bbls; POOH to 1800'.
 12. Rig up wireline unit and perforate squeeze holes at 1925'.
 13. Plug #4 - Fruitland top from 1925' to 1825' with 46 sacks cement, POC cement and squeeze 29 sacks outside casing.
 14. WOC then tag cement. Spot mud from top of cement to 1230', 14 bbls.; POOH to 1100'.
 15. Rig up wireline unit and perforate squeeze holes at 1230'.
 16. Plug #5 - Ojo Alamo top from 1230' to 1130' with 46 sacks cement, POC cement and squeeze 29 sacks outside casing.
 17. WOC then tag cement. Spot mud from top of cement to 262', 20 bbls.; POOH to 262'.
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Plugging Procedure - Graham C Comm. # 1 ARCO
NE, Sec. 9, T27N, R8W

18. Rig up wireline unit and perforate squeeze holes at 262'; establish circulation out bradenhead valve.
 19. Plug #6 - 262' to surface with sufficient volume to circulate, approximately 83 sacks.
 20. Cut off wellhead and install P&A marker; RD and move off.
 21. Restore location and reseed per BLM stipulations.
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UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 1 Graham C WN Fed com

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) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Relocate Ojo Alamo plug as follows:

Perf @ 1448 (50' below base of Ojo Alamo)

Plug from 1448-1310 inside & outside 5 1/2" casing.

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.