

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla 481
2. NAME OF OPERATOR Mallon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
3. ADDRESS OF OPERATOR 1099 18th St., Suite 2750 Denver, CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 783' FNL, 2310' FWL (NE $\frac{1}{4}$ NW $\frac{1}{4}$ )		8. FARM OR LEASE NAME Jicarilla C-20
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 7,299'		10. FIELD AND POOL, OR WILDCAT Undesignated - Mancos
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 20, T 28N-1W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

See Attachments

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED  
SEP 22 1989  
OIL CON. DIV.  
DIST. 3

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

SIGNED

TITLE Production Manager

DATE

9-06-89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

FOR

\*See Instructions on Reverse Side

APPROVED

DATE

SEP 19 1989

Ken Townsend

AREA MANAGER  
FARMINGTON RESOURCE AREA

- 17.) Proposed work is to plug and abandon the well. Work is to commence as soon after approval of plugging procedure is received as possible.

Proposed procedure is as follows:

- i. Set 5 1/2" CIBP at 6925' and top with 10 ft<sup>3</sup> (6.6 sk) neat class "A" cmt. (6925-6848')
- ii. Spot 12 ft.<sup>3</sup> (7.9 sk) plug inside 5 1/2" csg. 5773-5673", 50' above and below top of Mesaverde (5723').
- iii. Spot 90 ft.<sup>3</sup> (59.2 sk) plug 3560-3220' inside 7 5/8" csg. from 50' below Pictured Cliffs top (3510') across Fruitland interval (3440-3510') to 100' above Ojo Alamo top (3325').
- iv. Pull free point test on 7 5/8" casing and shoot off above free point. Pull and lay down 7 5/8" casing.
- v. Spot 54 ft.<sup>3</sup> (35.5 sk) plug in 9 7/8" open hole and 10 3/4" surface casing 464-364'.
- vi. Top 3/4" surface casing with 42 ft<sup>3</sup> (27.6 sx) (0-75').
- vii. Erect abandonment marker with well data.
- viii. Reclaim wellsite by filling in burn pit and seeding with appropriate mixture.

(Note: All cement slurry is to be Class "A" + 4% Bentonite (yield 1.52 ft<sup>3</sup>/sk), intervals between all plugs to be filled with 9 #/gal/ 50 sec. funnel viscosity mud.)

RECEIVED  
OCT 11 1966  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DENVER, COLORADO

# MALLON OIL COMPANY

## Well Mechanics & Work History

SE - WELL <i>Jicarilla C-20 #1</i>	FIELD NAME <i>Boulder</i>	DATE <i>8-28-89</i>	LOCATION (NE NW) <i>783' FNL, 2310' FWL</i>
INTY <i>Rio Arriba</i>	STATE <i>New Mexico</i>	ELEV. DATUM - G.L. <i>7299' GL</i>	Sec. <i>20</i> Twp <i>28 N</i> R <i>1 W</i>

### COMMENTS

*9-1-73 Spud*

*- Air drilled 6875-7700' 6 3/4" OH*

*- Perforated 7530-52' 4" SPF, ProLo*

*acid  
- oil flogged, Pour land sec.*

*- Set Pads 7417-50, 7460-76, 7481-*

*7504', 7530-52'*

*- Drilled to Dalton (8355' TD)*

*- Ran 3 1/2" 9.3#, N-80 liner @ 8345'*

*- Perforated 8239 - 8242' 4" SPF*

*Acidipent & liner acid (acid free)*

*SURFACE CSG: 13 3/4" OH*  
*Size / Wt: 10 3/4 / 32.75 #*  
*Grade / Thread: L-SS*  
*Depth: 414'*  
*Cement: 250 SX - To Surf*

*INTERMEDIATE STRING 9 7/8" OH*  
*Size: 7 5/8" / 26.4 # 198 TIs*  
*Grade / Thread: K55 + C-95 / ST&C + LTRC 8RD*  
*Depth: 6875'*  
*Cement: 350 SX (250 SX A + 47.5 J + 10% Salt + 12 1/2" / 54 gilsmit, 100 SX A + 10% Salt)*

*TUBING (Calculated ent. Top 2030")*

*3 1/2" 2  
114'*

*8 1/2" 2  
175'  
6579'*

*873'*

*1 1/2"*

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: 1 Jicarrilla C20

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):

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 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.