

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

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.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

5. Lease Designation and Serial No.
701-98-0013

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 30-03-33 No. 2

9. Well API No.
30-039-26030

10. Field and Pool, or Exploratory Area
Cabresto Canyon, Tertiary

11. County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other:

2. Name of Operator
Mallon Oil Company

3. Address and Telephone No.
P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
702' FNL and 583' FWL (NW/NW) Unit D
Sec. 33, T30N-R03W

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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☐ Conversion to Injection
☒ Other: Temporary ☐ Dispose Water
Abandon

(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 zone.)

Mallon Oil Company is requesting approval to temporarily abandon this well according to the attached procedure. The well was completed in the Ojo Alamo and San Jose Formations. The Ojo Alamo was fracture stimulated with an IP of 831 MCFD and 100 BWPD. The San Jose was not fractured and was tested at 295 MCFD and 24 BWPD. The Ojo Alamo produced approximately two months and loaded up and the San Jose was never produced. It is believed that both the San Jose and the Ojo Alamo could produce with the installation of a walking beam pumping unit. Compression may also be required. Mallon Oil Company is presently looking at the economics of installing a water gathering system in this area that will reduce our water hauling costs on this well. This would reduce operating costs and make the proposal of the pumping unit economic. Mallon Oil Company anticipates installing this gathering system within the next two (2) years.

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

Signed John Zellitti
John Zellitti

Title District Petroleum Engineer

Date 01/31/01

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By /s/ Brian W. Davis

Title Lands and Mineral Resources

Date MAR 13 2001

Conditions of approval, if any

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

X

Project: Temporarily abandoned the wellbore and perform a mechanical casing integrity test to 500 psig for 30 minutes.

Completion Procedure

- 1) MIRU workover rig, flat tank, rig pump, & frac tank for 2% KCl water, dig swab/flare pit, & fence.
Note: San Jose H₂S concentration @ ? ppm.
Ojo Alamo H₂S concentration @ 68 ppm.
- 2) ND wellhead, NU BOP, TOO H w/ San Jose short string, check for fill on pkr (i.e. check for travel of on/off tool), release pkr if possible, & TOO H w/ 1.9" tbg long string & pkr.
Note: If fill is encountered, proceed to step-3 / No fill step-4.
- 3) TIH w/ 1.9" mule shoe on 1.9" IJ tbg, tag for fill, circulate fill off of Ojo Alamo pkr w/ nitrogen, pull short side tbg up hole above San Jose perms, release pkr, TOO H w/ long side tbg & pkr above the San Jose perms, TOO H w/ remaining short side tbg, TOO H w/ remaining long side tbg & pkr.
Note: Inspect SJ & OA tbg for scale, report scale thickness & location in tbg string.
- 4) PU & TIH w/ 4 3/4" bit assembly on 2 7/8", 6.5#, N-80, EUE, 8R tbg work string to 3,200' KB, TOO H w/ tbg & bit.
Note: Bit assembly will be determined depending on evidence and severity of scale deposition.
Bit assembly for scale, run bit only.
Bit assembly no scale, run bit & scraper.
- 5) RIH w/ 5 1/2" CIBP on 2 7/8" tbg & set CIBP @ 3,064' KB. ✓
- 6) Circulate hole down tbg w/ 10 gals Baker / Petrolite corrosion inhibitor mixed in 38 bbls 2% KCl water
- 7) TOO H w/ 2 7/8" tbg.
- 8) RIH w/ 5 1/2" CIBP on 2 7/8" tbg & set CIBP @ 1,426' KB. ✓
- 9) Circulate hole down tbg w/ 10 gals Baker / Petrolite corrosion inhibitor mixed in 34 bbls 2% KCl water
- 10) Perform mechanical casing integrity test as follows:
 - Install pressure chart recorder on casing.
 - Pressure casing to 500 psig.
 - Hold pressure for 30 minutes (Must have less than 10% loss in 30 minutes).

Note: Notify BLM & NM OCD prior to test for witnessing.
- 11) TOO H & lay down 2 7/8" tbg, load casing with 2% KCl water.

12) ND BOP, NU wellhead, install tbv valve w/ bull plug.

13) RDMO workover rig.

Note: Always keep kill string in well for any shut-ins.

Filter all completion & kill fluids to 5 micron.

Record all wellhead pressures daily.

Record accurate swab data w/ initial fluid levels daily.

Record all depths corrected back to ORKB (Original rotary kelly bushing).

Think Safe - Be Safe!

Jicarilla 30-3-33 No.2**Mallon Oil Company**

API #30-039-26030

NW NW Sec.33, T30N, R3W

11/2/00

583' FWL & 702' FNL

JZ

East Blanco Field / Unit-D

Rio Arriba County, NM

Elev. GL @ 7,063'

Elev. KB @ 7,076' (13' KB)

Existing Wellbore Diagram

534'

Capacities:

1.9" tbg @ 0.00252 bbls/ft (DD @ 1.516").

Pc @ 7,750 psig, Pb @ 7,350 psig,

Joint Yield @ 36,970 lbs.

5-1/2" csg @ 0.0238 bbls/ft (DD @ 4.825").

Pc @ 4,040 psig, Pb @ 4,810 psig,

5-1/2" x (1)1.9" Annulus @ 0.0203 bbls/ft.

5-1/2" x (2)1.9" Annulus @ 0.0168 bbls/ft.

Surface Casing

8 5/8", 24#, K-55, ST&C, set @ 534' KB.

Cmt w/ 350 sx Class-B, 15.6 ppg (74 bbls).

Circ 95 sx to pit.

Production Casing

5 1/2", 15.5#, J-55, LT&C, set @ 3,876' KB.

5 1/2" DV Tool set @ 2,907'.

1st Stage Cmt w/ 275 sx Class-B, 50/50 POZ,

13.4 ppg (70 bbls).

2nd Stage Cmt Lead w/ 180 sx 65-35-12% Gel,

11.1 ppg (97 bbls), Tailed w/ 430 sx Class-B,

50/50 POZ, 13.4 ppg (108 bbls).

Circ 117 sx to pit.

- Short String Landed @ 1,590' KB.

- San Jose Perfs @ 1,476' - 1,698' KB.

Tubing

Short String set @ 1,590' KB.

1.9", 2.76#, J-55, IJ tbg (48 jnts @ 1,543').

1.43" F-Type Profile Nipple @ 0.80'.

1.9", 2.76#, J-55, IJ tbg (1 jnt @ 32.80').

1.9" tbg collar @ 0.30'.

Long String set @ 3,028' KB.

1.9", 2.76#, J-55, IJ tbg (1 jnt @ 32.48').

1.9" x 4', 2', & 6" tbg subs @ 6.95'.

1.9", 2.76#, J-55, IJ tbg (101 jnts @ 2,967.00').

1.9" x 2 3/8" cross over @ 0.80'.

On/off tool w/ 1.43" F-Type Profile Nipple @ 1.80'.

5 12" x 2 3/8" Arrow Set-1 10K Pkr @ 6.95'.

2 3/8" WL Re-entry guide @ 0.40'.

Pkr landed @ 3,028' KB.

- Long String Landed @ 3,028' KB.

- Ojo Alamo Perfs @ 3,114' - 3,146' KB.

Perforations

San Jose:

1,476' - 1,482' 1,488' - 1,495'

1,507' - 1,517' 1,534' - 1,548'

1,587' - 1,596' 1,638' - 1,644'

1,658' - 1,663' 1,690' - 1,698'

(65', 1 spf, 65 holes)

Ojo Alamo:

3,114' - 3,146' (32', 4 spf, 128 holes)

3,876'

PBTD @ 3,835' KB.

TD @ 3,900' KB.

San Jose:

1,476' - 1,698'

BD w/ 1,000 gals 7 1/2% HCL, 9 bpm @ 1,000 psig.

Pump 40 tons of CO₂, avg 20 bpm @ 2,000 psig, ISIP @ 900 psig.

Flow Test on 3/8" choke, FTP @ 80 psig, 295 mcf/d, 1 bwph.

Ojo Alamo:

3,114' - 3,146'

BD w/ 2,300 gals 7 1/2% HCL spearfaced ahead of frac.

Frac w/ 75% Quality N₂ foam, 35,550 lbs 12/20 sd, 197 BF, N₂, 1-4 ppg,

avg. 13 bpm @ 1,800 psig, dn 2-7/8" tbg, ISIP @ 1,600 psig.

Flow Test on 3/8" choke, FTP @ 250 psig, 831 mcf/d, 4 bwph.

Elev. GL @ 7,063'

Elev. KB @ 7,076' (13' KB)

Proposed Wellbore Diagram

534'

Surface Casing

8 5/8". 24#. K-55, ST&C, set @ 534' KB.

Cmt w/ 350 sx Class-B, 15.6 ppg (74 bbls).

Circ 95 sx to pit.

Casing circulated w/ 10 gals Baker
Petrolite corrosion inhibitor mixed w/
34 bbls 2% KCl water.

Production Casing

5 1/2", 15.5#, J-55, LT&C, set @ 3,876' KB.

5 1/2" DV Tool set @ 2,907'.

1st Stage Cmt w/ 275 sx Class-B, 50/50 POZ,
13.4 ppq (70 bbls).

2nd Stage Cmt Lead w/ 180 sx 65-35-12% Gel, 11.1 ppq (97 bbls), Tailed w/ 430 sx Class-B, 50/50 POZ, 13.4 ppq (108 bbls).

Circ 117 sx to pit.

- CIBP @ 1,426' KB.

- San Jose Perfs @ 1,476' - 1,698' KB.

Tubing

NA

Casing circulated w/ 10 gals Baker
Petrolite corrosion inhibitor mixed w/
38 bbls 2% KCl water.

- CIBP @ 3,064' KB.

- Ojo Alamo Perfs @ 3,114' - 3,146' KB.

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