

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

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)

2400' FSL and 1500' FWL (NE SW) Unit K  
Sec. 10, T30N-R03W

5. Lease Designation and Serial No.  
JIC 457

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 457-10 No. 8

9. Well API No.

30-039-25783

10. Field and Pool, or Exploratory Area

East Blanco, Pictured Cliffs

11. County or Parish, State

Rio Arriba County, 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: Temporarily  
Abandon
- ☐ 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 zone.)

Mallon Oil Company is requesting approval to temporarily abandon this well according to the attached procedure. The Pictured Cliffs Formation has been tested at approximately 160 MCFD and 24 BWPD. It is not economic to run a pipeline from our existing gathering system to collect only this wells gas. Future drilling and pipeline installation in this area will significantly reduce the cost to gather gas from this well. Also, there is possible Fruitland Coal and San Jose potential in this wellbore. Mallon Oil Company anticipates putting this well on production within two (2) years.

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

Signed

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 15 2001

Conditions of approval, if any:

**Jicarilla 457-10 No. 8**  
NW SW Sec.10, T30N, R3W  
2,400' FSL & 1,500' FWL  
East Blanco Field, Unit-K  
Rio Arriba County, NM

**Mallon Oil Company**  
**Well Workover Procedure**

1/30/01  
JZ

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

Workover Procedure

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- 1) MIRU workover rig, flat tank, & rig pump.  
Note: Pictured Cliffs H<sub>2</sub>S concentration @ 0 ppm.
  - 2) ND wellhead, NU BOP, release pkr, TOOH w/ 1.9" tbg & pkr.
  - 3) RU wireline company, RIH w/ wireline set 5 1/2" CIBP, & set CIBP @ 3,127' KB. ✓
  - 4) TIH w/ 1.9" tbg to 3,127 KB, tag CIBP to confirm setting depth.
  - 5) Circulate hole w/ 20 gals Baker / Petrolite corrosion inhibitor mixed in 74 bbls 2% KCl water.
  - 6) 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.
- 7) TOOH & lay down 1.9" tbg, load casing with 2% KCl water.
  - 8) ND BOP, NU wellhead, install tbg valve w/ bull plug.
  - 9) 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!

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NW SW Sec. 10, T30N, R3W  
2,400' FSL & 1,500' FWL  
East Blanco Field, Unit-K  
Rio Arriba County, NM

Elev. GL @ 7,197'  
Elev. KB @ 7,210' (13' KB)

**Mallon Oil Company**

API No. 30-039-25783

11/13/00

wvj

**Existing Wellbore Diagram****Surface Casing**

8-5/8", 24#, K-55, ST&C, set @ 542' KB.  
12-1/4" Hole.  
Cmt w/ 300 sx Class B.  
Circ. 90 sx to surface.

**Production Casing**

5-1/2", 15.5#, J-55, LT&C, set @ 3982' KB.  
7-7/8" Hole.  
Cmt w/ 160 sx 65/35 POZ, 12% gel, 11.1 ppg, 2.97 cu.ft/sx,  
2% CaCl<sub>2</sub>, 1/4 lbs/sx CF, 6 1/4 lbs/sx gilsonite.  
Tailed w/ 370 sx 50/50 POZ, 2% gel, 13.4 ppg, 1.37 cu.ft/sx,  
2% CaCl<sub>2</sub>, 6 1/4 lbs/sx gilsonite, 0.4% FL-52.  
Circ. 45 sx to surface.

**Tubing**

2 3/8" EU x 1.9" EU crossover @ 0.60'.  
1.9", 2.9#, J-55, EUE, tubing (1 joint @ 32.30').  
1.9" pup subs (5 @ 28.30').  
1.9", 2.9#, J-55, EUE, tubing (108 joints @ 3,468.90').  
2 3/8" EU x 1.9" EU crossover @ 0.80'.  
2 3/8" On/Off Tool w/ 1.43" type-F profile nipple @ 1.85'.  
5-1/2" Arrow Set-1 10K Packer @ 7.30'.  
2-3/8" wireline re-entry guide @ 0.40'.  
Pkr set @ 3,553' KB.

**Perforations**

Ojo Alamo:  
3,177' - 3,206' (29', 4 spf, 116 holes)  
3,230' - 3,264' (34', 4 spf, 136 holes)  
3,285' - 3,310' (25', 4 spf, 100 holes)  
Ojo Alamo perms squeezed off w/  
250 sx cmt, tested 500 psig for 5 min.

**Pictured Cliffs:**

3,685' - 3,689' (4', 4 spf, 16 holes)  
3,691' - 3,702' (11', 4 spf, 44 holes)  
3,706' - 3,709' (3', 4 spf, 12 holes)  
3,711' - 3,717' (6', 4 spf, 24 holes)  
3,719' - 3,728' (9', 4 spf, 36 holes)  
3,730' - 3,734' (4', 4 spf, 16 holes)

**Capacities:**

1.9" tbg @ 0.00252 bbls/ft (DD @ 1.516").  
Pc @ 7,750 psig, Pb @ 7,350 psig,  
Joint Yield @ 43,970 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.

542'

3,982'

PBTD @ 3,920' KB.

TD @ 3,985' KB.

- Ojo Alamo Perfs @ 3,177' - 3,310' KB.  
(Perfs Squeezed Off)

- Pkr Landed @ 3,553' KB.

- Pictured Cliffs Perfs @ 3,685' - 3,734' KB.

Ojo Alamo  
3,285' - 3,310'

BD w/ 2,000 gals 7 1/2% HCl acid, avg 6 bpm @ 1,400 psig, ISIP @ 800 psig.  
Frac w/ 25,450 lbs 12/20 sand, 231 mscf (75Q) N<sub>2</sub>, 139 bbl gel, 1-4 ppg, max 3,680 psig.  
Ave 13 bpm @ 2,780 psig, dn 2-7/8" tbg, ISIP @ 3,638 psig.  
Swab back load and swab dry, SITP @ 500 psig after PBU.  
BD w/ 4,000 gals 7 1/2% HCl acid, avg 7 bpm @ 1,700 psig, ISIP @ 900 psig.  
Frac w/ 201,380 lbs 20/40 sand, 1,407 mscf N<sub>2</sub>, Avg 40 bpm @ 2,100 psig,  
down casing, ISIP @ 1,620 psig.  
Flow/Swab, 1.9" tubing, 3/8" choke, FTP @ 17 psig, 100 bwpd, 6' flare.  
Perfs Squeezed w/ 250 sx cmt, held 500 psig for 5 min.

Pictured Cliffs:  
3,685' - 3,734'

BD w/ 2,500 gals 7 1/2% HCl acid, avg 7 bpm @ 1,200 psig, ISIP @ 400 psig.  
Frac w/ 194,000 lbs 20/40 sand, 1,653 mscf N<sub>2</sub>, Avg @ 25 bpm @ 4,750 psig,  
dn 2-7/8" tbg, ISIP @ 1,800 psig.  
Flow test on 3/8" choke, 1.9" tbg, FTP @ 53 psig, 176 mcfpd, 24 bwpd.

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(Perfs Squeezed Off)

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