

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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. WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Mallon Oil Company

3. ADDRESS OF OPERATOR

1099 18th St., Suite 2750, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 795' FSL & 2145' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7458' GL

5. LEASE DESIGNATION AND SERIAL NO.

NM 04077

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Davis Federal Com 3

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Gavilan Mancos/Gavilan
Greenhorn Graneros-Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 3, T25N, R2W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR VALVE

CHANGE PLANS

(Other) Perforate & log

(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 perti-
nent to this work.)

SEE ATTACHED DAILY REPORTS (12/8/88 thru 12/12/88).

RECEIVED
MAIL ROOM

68 DEC 16 PM 12:47

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

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OIL CON. DIV.
DIST. 3

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

SIGNED

Kevin H. McCord

TITLE Petroleum Engineer
Agent for Mallon Oil Co.

DATE

12/15/88

(This space for Federal or State office use)

APPROVED BY

TITLE

ACCEPTED FOR RECORD

CONDITIONS OF APPROVAL, IF ANY:

DEC 21 1988

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

NMOCC

BY

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.

12/08/88 Trip in hole with bit and scraper on 2 7/8" tubing. Tag cement top at 5576' RKB. Tried to pressure test perfs at 5835'. Pumped in down tubing at 3 BPM @ 1300 psi, ISIP = 800 psi. Drill 73 ft. of cement and retainer at 5649'. Drilled 56 ft. of cement and dropped through cement at 5705'. Squeeze hole. Trip tubing, scraper, and bit out of hole. Rigged up Blue Jet. Ran GR-CLL-CBL from 5825' RKB to 5200' RKB. Perforated Mesa Verde interval with 4" select fire casing guns as follows: (Open hole Gamma Ray log depths)

5431	5545	5567
5433	5547	5569
5442	5549	5645
5454	5551	5647
5459	5553	5649
5461	5555	5651
5463	5557	5653
5468	5559	5798
5506	5561	5800
5509	5563	

Total: 29 perforations (0.43" diameter)

Costs: Rig \$1,775 Perforating \$5,910
Engineering \$600

Total Daily Costs: \$ 8,285
Total Cumulative Costs: \$86,187

12/09/88 Trip in hole with Baker SAP tool (strattle packer) on tubing. Rigged up the Western Company. Used 500 gallons of 7 1/2% DI HCL acid to individually break down perforations with SAP tool. Perfs broke down as follows:

Bottom Packer Depth	Top Packer Depth	Perfs Strattled	Breakdown Pressure (psi)	Rate (BPM)	Pressure (psi)	ISIP (psi)	Communi- cation
5434	5430	5431, 5433	Broken Down	1.6	1200	700	No
5444	5440	5442	Broken Down	1.6	1300	700	No
5456	5452	5454	Broken Down	1.6	1000	500	No
5461	5457	5459	Broken Down	1.6	600	200	Yes
5464	5460	5461, 5463	Broken Down	1.6	700	100	Yes
5470	5466	5468	Broken Down	1.6	700	100	Yes
5509 1/2	5505 1/2	5506, 5509	1800	1.6	1500	800	No
5548	5544	5545, 5547	Broken Down	1.6	1100	400	No
5552	5548	5549, 5551	Broken Down	1.6	800	500	Yes
5556	5554	5553, 5555	Broken Down	1.6	500	400	Yes
5560	5556	5557, 5559	Broken Down	1.6	600	400	Yes
5564	5560	5561, 5563	Broken Down	1.6	900	400	Yes
5570	5566	5567, 5569	Broken Down	1.6	800	100	Yes
5646	5644	5645	Broken Down	1.6	1000	500	No
5650	5646	5647, 5649	Broken Down	1.6	1000	500	No
5654	5650	5651, 5653	1800	1.8	1200	700	No
5801	5797	5798, 5800	1400	1.5	1000	800	No

12/09/88 (Continued)

Move tubing to 5817' RKB. Circulated hole clean with 3% KCL water. Trip tubing and SAP tool out of hole. Fracture stimulated Mesa Verde interval with 100,000 gallons of slick water containing 80,000# of 20-40 sand and 40 MC of RA sand as follows:

20,000 gallons pad	61 BPM @ 2250 psi
80,000 gallons of 1 ppg 20-40 sand	*61 BPM @ 1900-2100 psi
5,292 gallons flush	45 BPM @ 1800 psi

* Had to decrease rate to 45 BPM for last 150 bbls. of frac to keep sand concentration up. Running out of sand.

ISIP = 950 psi	10 min. = 775 psi
5 min. = 800 psi	15 min. = 775 psi

Average rate - 61 BPM. Average pressure - 1900 psi. Maximum pressure - 2300 psi. Minimum pressure - 1800 psi. Load fluid to recover - 2407 bbls. All water contained 1/2 gal/1000 FR28 friction reducer, 3% KCL, 1/2 gal/1000 clay stabilization agent, 1/2 gal/1000 surfactant. Shut well in overnight to allow fracture to heal. Shut down for night.

Costs:	Rig \$1,502	Frac \$27,024	Packer \$2,059
	Engineering \$500	RA Sand \$919	

Total Daily Costs: \$ 32,004
Total Cumulative Costs: \$118,191

12/10/88 Overnight shut-in pressure was 350 psi. Opened well to flow. Well flowed all day. Made burnable gas. Well flowed to frac tank as follows:

Time	Tank Gauge	Bbls. Fluid Made	Bbls. Total Fluid
12:30	.50'	-0-	-0-
1:00	1.30'	16	16
1:30	2.00'	14	30
2:00	2.80'	16	46
2:30	3.10'	6	52
3:00	3.30'	4	56

All fluid was frac water. Slugging gas, no oil cut. Left well open. Shut down for night.

Costs:	Rig \$1,365	Engineering \$250
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Total Daily Costs: \$ 1,615
Total Cumulative Costs: \$119,806

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12/11/88 Shut down--Sunday.

12/12/88 Well dead. Trip in hole with 2 7/8" tubing. Tag sand fill at 5645' RKB. Circulated 185 ft. of sand out of hole to retainer at 5830' RKB (poor circulation). Lay down 2 7/8" tubing and land in BOP at 5646' RKB (seating nipple at 5613' RKB). Rigged to swab. Swabbed well as follows: (see Swab Report). Made 56 barrels of frac water in 6 swab runs. Some gas shows during swabbing. No oil cut. Shut in well. Shut down for night.

Costs: Rig \$1,638 Engineering \$250

Total Daily Costs: \$ 1,888

Total Cumulative Costs: \$121,694

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D.V.

SWAB REPORT

Date: 12-12-88
Page 1 of 1

Well: Davis 3-15
Operator: Mallon Oil Co
Formation: Mesa Verde

Tubing size: 2 7/8
Casing size: 5 1/2

Initial pressures:
Tubing: 0 PSI
Annulus: 0 PSI

Time	Well No.	Fluid Level Depth	Depth Polled From	Current Tank Gauge	Previous Tank Gauge	Gauge Change (ft./in)	Volume Change (bbls)	Total Change (bbls)	Rate of Change (BPH)	Rate of Change (BPD)	Oil Cut (%)	Ann Pres (PSI)	Tubing Response	Remarks
3:20	1	Surface	1500	1.8	1.4	.4	8.0	8.0	-	-	-	0	-	Frac water, no gas - paraffin in the
3:35	2	Surface	1500	2.2	1.8	.4	8.0	16.0	32.0	768	-	0	-	"
4:00	3	300	2000	2.8	2.2	.6	12.0	28.0	28.8	691	-	0	-	Frac water, some gas shows
4:15	4	400	2500	3.4	2.8	.6	12.0	40.0	48.0	1152	-	0	-	"
4:45	5	800	4000	3.9	3.4	.5	10.0	50.0	20.0	480	-	0	-	"
5:10	6	800	3500	4.2	3.9	.3	6.0	56.0	14.4	346	-	0	-	"

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DIST. 2