

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 40646	
2. NAME OF OPERATOR Mallon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2750 Security Life Building, 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 790' FNL & 790' FEL		8. FARM OR LEASE NAME Fisher Federal 2	
14. PERMIT NO.		9. WELL NO. 4441	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7648' G.L.		10. FIELD AND POOL, OR WILDCAT Basin Dakota-Undes. Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2, T25N, R2W	
		12. COUNTY OR PARISH Rio Arriba	
		13. STATE NM	

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 COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Run casing & rods

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.)*

Present Operations: Waiting on pumping unit and production equipment.
(currently 27.5 bbls oil in frac tank)

See attached sheets for additional information.

RECEIVED
JUN 26 1985
OIL CON. DIV.
DIST. 3

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

SIGNED

TITLE Agent

DATE 6-21-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

(6-12-85) *blender suction couldn't get any more rate.
cont. ISIP = 1100 psi, 5 min = 1000 psi, 10 min = 950 psi, 15 min = 950 psi.

Average rate 60 BPM, average pressure 2000 psi, maximum pressure 2900 psi, minimum pressure 1800 psi. Total fluid to recover 3377 bbls. Shut in well to allow gel to break. SDFN.

6-14-85 Rigged to swab. Fluid level at the surface. Tubing pressure 0 psi, annulus pressure 0 psi. Swabbed well as follows:

Time	Fluid Level	Depth Pulled From	Approx. Amount Pulled	Approx. Bbls Pulled	Results
1-10 9:20					
10:20	1000'	1600'	6000'	34.8	Frac water
11 10:26	1000'	1800'	800'	4.6	Frac water
12 10:32	1000'	1800'	800'	4.6	Frac water
13 10:40	1200'	1900'	700'	4.1	Frac water
14 10:50	1200'	1900'	700'	4.1	Frac water
15 10:52	1200'	1900'	700'	4.1	Frac water
16 11:06	1300'	2000'	700'	4.1	Frac water
17 11:31	1400'	2400'	1000'	5.8	Frac water
18 11:34	1400'	2600'	1200'	6.9	Frac water
19 11:49	1400'	2600'	1200'	6.9	Frac water
20 11:56	1700'	3000'	1300'	7.5	Frac water
21 12:05	2000'	3200'	1200'	6.9	Frac water
22 12:12	2000'	3200'	1200'	6.9	Frac water
23 12:21	2100'	3400'	1300'	7.5	Water, slight gas show, oil 1%
24 12:30	2200'	3400'	1200'	6.9	Water, slight gas show, oil 1%
25 12:42	2200'	3500'	1300'	7.5	Water, slight gas show, oil 1%
26 12:51	2300'	3600'	1300'	7.5	Water, slight gas show, oil 1%
27 12:59	2400'	3800'	1400'	8.1	Water, slight gas show, oil 1%
28 1:07	2400'	3800'	1400'	8.1	Water, slight gas show, oil 1%
29 1:21	2400'	3800'	1400'	8.1	Water, slight gas show, oil 1%
30 1:28	2400'	3800'	1400'	8.1	Water, slight gas show, oil 1%
31 1:40	2500'	3900'	1400'	8.1	Water, slight gas show, oil 1%
32 1:45	2500'	3900'	1400'	8.1	Water, slight gas show, oil 1%
33 2:03	2500'	3900'	1400'	8.1	Water, slight gas show, oil 1%
34 2:12	2600'	3900'	1300'	7.5	Water, slight gas show, oil 1%
35 2:23	2600'	3900'	1300'	7.5	Water, slight gas show, oil 1%
36 2:46	2600'	3900'	1300'	7.5	Water, slight gas show, oil 1%
37 3:07	2600'	4000'	1400'	8.1	Water, slight gas show, oil 1%
38 3:29	2600'	4000'	1400'	8.1	Water, slight gas show, oil 1%
39 3:40	2600'	4000'	1400'	8.1	Water, slight gas show, oil 1%
40 3:55	2400'	4000'	1600'	6.9	Gas cut fluid level -
41 4:10	2800'	4000'	1200'	5.2	Water, gas show, oil 1%
42 4:20	2400'	4000'	1600'	6.9	
43 4:32	2400'	4000'	1600'	6.9	
44 4:48	2500'	4100'	1600'	6.9	Gas cut fluid level -
45 5:05	2700'	4000'	1300'	5.6	Water, gas show, oil 2%
46 5:19	2700'	4000'	1300'	5.6	
47 5:25	2700'	4000'	1300'	5.6	
				283.8	

6-14-85 Made 47 swab runs. Swabbed an approximate 284 bbls of gas cut fluid in 8 hours (35.1 bbl/hr). Oil return was 2.5 bbls at 2% oil cut at end of day. Approximate gas cut fluid level at 2700 feet from surface. Approximate swab fluid entry rate into wellbore at end of day was 33.6 bbl/hr. Shut in well. SDFN.
(cont.)

6-15-85 Overnight annulus pressure was 80 psi. Tubing pressure 230 psi. Blew down tubing in 5 minutes. All gas, no fluid. Rigged to swab. Swabbed well as follows:

Time	Fluid Level	Depth Pulled From	Approx. Amount Pulled	Approx. Bbls Pulled	Results
1 8:30	2400	4300	1900	11.0	Solid fluid, 70% oil
2 8:45	2600	4400	1800	10.4	Solid fluid, 40% oil
3 9:00	2800	4400	1600	6.9	Gas cut fluid, Water,
4 9:23	3000	4400	1400	6.1	gas show, 2% oil
5 9:36	3000	4500	1500	6.5	
6 9:47	3200	4600	1400	6.1	
7 9:56	3200	4700	1500	6.5	
8 10:09	3200	4800	1600	6.9	
9 10:20	3200	4000	800	3.5	Used double swab cups.
10 10:35	3200	3600	400	1.7	Couldn't get down easily
11 10:45	3200	4800	1600	6.9	Gas cut fluid, water,
12 10:59	3200	4800	1600	6.9	gas show, 2% oil
13 11:28	3200	4800	1600	6.9	
14 11:41	3200	4800	1600	6.9	
15 11:59	3200	5000	1800	7.8	
16 12:16	3200	5000	1800	7.8	
17 12:36	3200	5000	1800	7.8	
18 12:50	3200	5000	1800	7.8	
19 1:17	3200	5000	1800	7.8	
20 1:30	3200	5000	1800	7.8	
21 2:00	3200	5000	1800	7.8	
22 2:15	3200	5000	1800	7.8	
23 2:33	3200	5000	1800	7.8	
24 2:55	3000	5200	2200	9.6	
25 3:08	3000	5200	2200	9.6	
26 3:22	3000	5200	2200	9.6	
27 3:37	3000	5200	2200	9.6	
28 3:59	3000	5200	2200	9.6	
29 4:13	3000	5200	2200	9.6	
30 4:28	3000	5200	2200	9.6	
31 4:38	3000	5200	2200	9.6	
32 4:52	3200	5000	1800	7.8	
				248.0	

Made 32 swab runs. Swabbed an approximate 248 bbls of gas cut fluid in 8½ hours (29.6 bbl/hr). Approximate oil return was 16.4 bbls at 2% oil cut all day. Approximate gas cut fluid level at 3000-3200 feet from surface. Approximate swab fluid entry rate into wellbore at end of day was 39.1 bbl/hour. Shut in well. Shut down for weekend.

6-16-85 Shut down for Sunday.

6-13-85 Overnight shut-in tubing pressure 250 psi. Flowed down to 0 in 30 minutes. Trip in hole with 2-7/8" tubing. Tag sand fill at 8000'. Circulate 375 feet of sand from hole. Trace of oil seen when started circulating sand. Move tubing up hole. Land tubing at 7100'. Prep to swab. SDFN.

6-17-85 Overnight shut-in tubing pressure was 475 psi. Shut in annulus pressure was 370 psi. Blew down tubing in 25 minutes on a 1/2" choke, all gas. Rigged to swab. Swabbed as follows:

TIME	Fluid Level	Depth Pulled From	Approx. Amount Pulled	Tank Gauge 10"	Bbls Pulled	Appx. Oil Recov	Results:		Casing Pressure
							Oil	Cut	
1 8:50	2600'	5000'	2400	1'	3.3	3.0	Water	90%	370
2 9:43	2800'	5200'	2400	1'4"	6.7	4.7	Water	70%	370
3 10:11	2400'	5100'	2700	1'7"	5.0	2.5	Water	50%	370
4 10:41	2400'	5000'	2600	2'	8.3	2.5	Water	30%	370
5 11:00	2400'	5300'	2900	2'6"	10.0	2.5	Water	25%	370
6 11:24	2800'	5200'	2400	2'8"	3.3	.7	Water	20%	380
7 11:42	2800'	5200'	2400	3'	6.7	1.3	Water	20%	380
8 11:57	2800'	5300'	2500	3'4"	6.7	1.3	Water	20%	380
9 12:12	2800'	5400'	2600	3'8"	6.7	1.3	Water	20%	385
10 12:28	2800'	5600'	2800	4'	6.7	1.3	Water	20%	390
11 12:50	3200'	5200'	2000	4'4"	6.7	1.7	Water	25%	400
12 1:14	3200'	5600'	2400	4'7"	5.0	1.3	Water	25%	410
13 1:30	3200'	5600'	2400	4'10"	5.0	1.3	Water	25%	420
14 1:55	3200'	5700'	2500	5'2"	6.7	1.7	Water	25%	450
15 2:19	3200'	6000'	2800	5'8"	10.0	3.0	Water	30%	450
16 2:34	3200'	6000'	2800	5'11"	5.0	1.5	Water	30%	450
17 2:51	3200'	6000'	2800	6'4"	8.3	2.5	Water	30%	460
					110.0	34.1			

Actual oil recovery = 27.5 bbls of oil in frac tank.

Made 17 swab runs. Swabbed approximately 110 bbls of fluid in 6 hours (18.3 bbl/hr). Approximate oil return was 34.1 bbls. Oil cut at end of day was 30%. Fluid level at end of swabbing was 3200'. Approximate swab fluid entry rate into wellbore at end of day was 15.6 bbl/hour. Picked up 2-7/8" tubing. Tagged sand fill in wellbore at 8362' (13 feet of sand fill). Laid down 2-7/8" tubing and landed tubing in wellhead with end of tubing at 6791'. SDFN.

6-18-85 Day off. No rig work.

6-19-85 Shut-in tubing pressure 470 psi. Annulus pressure 380 psi. Blew down tubing in 5 minutes, all gas. Rigged up Petro Wireline. Tag sand fill @ 8315'. Ran gamma ray log from corrected sand fill top of 8295' to end of tubing at 6783'. Fracture stimulation had very good coverage of perforated interval. Trip tubing out of hole. Trip

6-19-85 tubing out of hole. Trip in the hole with tubing and landed as
(cont.) follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	10.00	0-10
224 jts 2-7/8" 6.5#/ft N-80 EUE used csg	6904.25	10-6914
1 Baker tubing anchor	2.70	6914-6917
31 jts 2-7/8" 6.5#/ft N-80 EUE used tbg	958.29	6917-7875
1 seating nipple	.75	7875-7876
1 perforated sub	8.20	7876-7884
1 jt 2-7/8" mud anchor	30.45	7884-7915
	<u>7914.64</u>	

Nipple down BOP. SDFN.

6-20-85 Ran pump and rods as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	6.00	0-6
1½" X 22' polished rod with 1½" X 12' liner (3 feet out)	22.00	6-25
Rod stretch	13.00	25-38
7/8" Class D new pony rods	20.00	38-58
115 7/8" Class D new scraped rods	2875.00	58-2933
197 3/4" Class D new plain rods	4925.00	2933-7858
2½" X 1-3/4" X 12 X 15 X 17' pump (bottom hold down)	17.00	7858-7875

Hung off rods. Released rig. Wait on pumping unit and production equipment.