

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(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 ☒ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. NM-04077
2. NAME OF OPERATOR Mallon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1099 18th Street, 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 795' FSL & 2145' FEL		8. FARM OR LEASE NAME Davis Fed Com 3
14. PERMIT NO.		9. WELL NO. #15
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7458' GL		10. FIELD AND POOL, OR WILDCAT Gavilan
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T25N, R2W
		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:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐	WATER SHUT-OFF	☐
FRACTURE TREAT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	FRACTURE TREATMENT	☐
REPAIR WELL	☐	SHOOTING OR ACIDIZING	☐
(Other)	☐	(Other) Pull pump and rods	☒
PULL OR ALTER CASING	☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
MULTIPLE COMPLETE	☐		
ABANDON*	☐		
CHANGE PLANE	☐		

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 Attached Daily Reports.

RECEIVED
NOV 12 1987
DIST. 3

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

SIGNED

TITLE Vice President, Engineering

DATE 10/30/87

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE NOV 09 1987
FARMINGTON RESOURCE AREA

BY KLF

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

MALLON OIL COMPANY

1099 18th Street, Suite 2750, Denver, Colorado 80202
(303) 293-2333

Davis Fed Com 3 #15
795' FSL & 2145' FEL
Sec. 3, T25N-R2W

NOV 12 1987
OIL CON. DIV.

10/19/87 Move in and rig up Bayless Rig #6 - Pull rods and pump out of hole - Nipple down wellhead - Nipple up BOP - Add 866 feet of 2 7/8" tubing - Tag fill at 8125 feet (75 feet of fill on top of bridge plug at 8200 feet - fill is only 11 feet below proposed Dakota perfs) - SDFN

Costs: Rig \$1638.00 Trucking \$529.00
Engineering \$189.00

Total Daily Costs: \$2,356.00
Total Cumulative Costs: \$2,356.00

10/20/87 Trip out of hole with 2 7/8" tubing (with pumping assembly) - Trip in hole with Baker hydrostatic bailer - Clean out 75 feet of fill to bridge plug at 8200 feet RKB - Trip tubing and bailer out of hole - Trip in hole with Baker retrievomatic packer on 2 7/8" tubing - Leave packer hanging at 7500 feet - SDFN

Costs: Rig \$1,638.00 Engineering \$142.00

Total Daily Costs: \$1,780.00
Total Cumulative Costs: \$4,136.00

10/21/87 Shut down for the day.

10/22/87 Rig up Western Company - Set packer at 7532 feet RKB - Pressure test tubing and bottom of casing to 3500 PSI - Lose 800 PSI in 5 minutes - Move packer to 8114 feet RKB - Pressure test to 3500 PSI - Lose 700 PSI in 5 minutes - Move packer to 8166 feet (tag fill at + or - 8180 feet) - Pressure test to 3500 PSI - Lose 900 PSI in 5 minutes - Move tubing to 8114 feet - Spot 250 gallons of 7 1/2% DI HCL acid across perforation interval - Trip tubing out of hole - Rig up Petro Wireline - Perforate Dakota interval with 4" casing guns and 1 JSPF as follows:

7976 - 7980	4'	4 holes
7986 - 7990	4'	4 holes
8040 - 8055	15'	15 holes
8066 - 8081	15'	15 holes
8087 - 8114	27'	27 holes

Total 65' 65 holes (.50" diam.)

(Tag fill on top of bridge plug at 8167' RKB) - Trip Baker retrievematic packer and tubing halfway in hole - SDFN

Costs: Rig \$1,385.00 Engineering \$368.00
Pump \$761.00 Wireline \$1,518.00
Packer \$931.00

Total Daily Costs: \$4,943.00
Total Cumulative Costs: \$9,079.00

10/23/87 Trip remainder of tubing in hole - Set packer at 7500 feet RKB - Rig up Western Company - Break down Dakota perforations immediately - Establish injection rate down tubing into Dakota zone of 6.0 BPM at 2300 PSI - ISIP 800 PSI - Frac grad .53 - Acidize Dakota interval with 500 gallons of 7 1/2% DI HCL weighted acid containing 98 1.1 s.g. - RCN ball sealers - 5.4 BPM @ 2000 PSI - See 600 PSI increase as balls hit the formation then break back - Cannot get a balloff - Final injection rate 4.4 BPM @ 2300 PSI, ISIP 1400 PSI - Move packer below perforations to knock off ball sealers - Reset packer at 7500 feet - Establish injection rate of 6.0 BPM @ 2000 PSI into Dakota formation down tubing. ISIP 700 PSI (.52 frac grad.) - Lay down 2 7/8" tubing and packer - Pick up Baker retrievematic packer and 170 joints of 3 1/2" N-80 IJ tubing - SDFN

Costs: Rig \$1,638.00 Western Pump \$1,455.00
Engineering \$368.00

Total Daily Costs: \$3,461.00
Total Cumulative Costs: \$12,540.00

10/24/87 Pick up remainder of 3 1/2" frac string - Set packer at 7455 feet RKB - Rig up Western Company - Fracture stimulate the Dakota interval down 3 1/2" tubing with 73,000 gallons of 30# crosslinked gelled fluid containing 105,000 lbs. of 20/40 sand and 53 MC of radioactive beads as follows:

18,000 gallons of 30 lb. crosslinked gel pad 30 BPM @ 3850 PSI
20,000 gallons of 30 lb. crosslinked gel containing 1 PPG 20/40 sand 30 BPM @ 3800 - 3900 PSI
20,000 gallons of 30 lb. crosslinked gel containing 2 PPG 20/40 sand 30 BPM @ 3750 PSI
15,000 gallons of 30 lb. crosslinked gel containing 3 PPG 20/40 sand 30 BPM @ 3800 - 4000 PSI
3,234 gallons of uncrosslinked gel flush 30 BPM @ 3900 - 4200 PSI

ISIP = 1900 PSI, 5 min = 1700 PSI, 10 min = 1600 PSI,
15 min = 1550 PSI

Average rate 30 BPM - Average pressure 3800 PSI - Maximum pressure 4200 PSI - Minimum pressure 3600 PSI - Total load fluid to recover 1812 bbls - All fluid contained 1% KCL, 1/2 gallon/1000 clay stabilization agent, and 1 gallon/1000 surfactant - Shut in well overnight to allow gel to break - SDFN

Costs: Rig \$956.00	Western \$29,197.00
RA Material \$ 1,149.00	Engineering \$368.00
Baker \$2,355.00	

Total Daily Costs: \$34,025.00
Total Cumulative Costs: \$46,565.00

10/25/87 Shut down for the day.

10/26/87 Released packer - lay down 10 joints of 3 1/2" tubing - packer stuck in hole at 7142' RKB - work on pipe - Tried to pump on annulus - pumped 19 bbls of water - annulus pressured to 1000 psia and bled to 600 psi very slowly - filled tubing with 17 bbls of water - pumped into formation at 3 BPM at 900 psi, ISIP = 0 Pumped 50 bbls into formation - Free point tubing stretch was 24 inches for 20,000 lbs of pull - calculated stuck point at packer - worked pipe - SDFN

Costs: Rig \$1,092
Engineering \$250

Total Daily Costs: \$1,342
Total Cumulative Costs: \$47,907

10/27/87 Rig up Home Co Free Point truck - found free point at 6815' - pipe stuck at 6825' - top of Gallup perfs. Made 3 chemical cuts in 3 1/2" tubing at 7091' (just above packer), at 6970' (half of fish) and at 6817' (free point). Work on pipe to attempt cut off - could not get pipe to part. Prepare to cut pipe again at 6817'. Shut down for night.

Costs: Rig \$1,365
Engineering \$250

Total Daily Costs: \$1,615
Total Cumulative Costs: \$49,522