

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 ☐

2. NAME OF OPERATOR  
Mallon Oil Co.

3. ADDRESS OF OPERATOR  
c/o KM Production, P.O. Box 2406, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
790' FNL & 790' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether D.B. or G.L.)  
6807' GL

5. LEASE DESIGNATION AND SERIAL NO.  
Cont. 434

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Jicarilla 434 G

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Undes. Gallup Dist

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T22N, R4W

12. COUNTY OR PARISH  
Sandoval

13. STATE  
NM

RECEIVED

DEC 01 1986

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Change of Operator</u> <input checked="" type="checkbox"/>	

(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 pertinent to this work.) \*

Ownership of this well has been changed from Robert L. Bayless to Mallon Oil Company effective December 1, 1986.

ACCEPTED FOR RECORD

DEC. 01 1986

FARMINGTON RESOURCE AREA

BY 6-22-86

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

SIGNED Wm H. McLeod TITLE Agent DATE 12/1/86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
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Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Mallon Oil Co.

3. ADDRESS OF OPERATOR  
c/o KM Production Co., P.O. Box 2406, Farmington, NM, 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
790' FN: & 790' FWL

5. LEASE DESIGNATION AND SERIAL NO.  
Jicarilla Contract 434

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Jicarilla 434 G

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Undesig. Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6, T22N, R4W

12. COUNTY OR PARISH  
Sandoval

13. STATE  
NM

RECEIVED  
FEB 18 1987

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)  
6807' GL

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

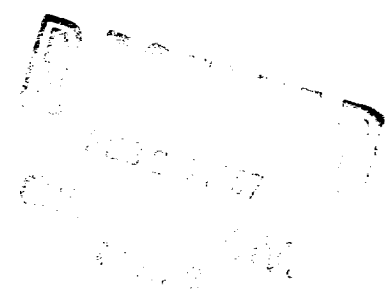
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRAC TURE TREAT	<input type="checkbox"/>	FRAC TURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Swabbing, land tubing.	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		
PELL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

(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 pertinent to this work.)\*

Please Amend Sundry Notice dated 02/03/87 to reflect Mallon Oil as the operator.



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

SIGNED Kevin A. McGon TITLE Agent DATE 02/18/87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD  
FEB 19 1987

\*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA  
BY EGN

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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Robert L. Bayless

3. ADDRESS OF OPERATOR  
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
790' FNL & 790' FWL

14. PERMIT NO.

15. ELEVATIONS (Show where well is located)  
6807' GL

5. LEASE DESIGNATION AND SERIAL NO.  
Jicarilla Contract 434

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Jicarilla 434 G

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Sec. 6, T22N, R4W

12. COUNTY OR PARISH  
Sandoval

13. STATE  
NM

RECEIVED  
JAN 30 1987

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) \_\_\_\_\_

(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 pertinent to this work.) \*

See Attached Daily Report.

RECEIVED  
FEB 10 1987  
OIL CON. DIV.  
DIST. 3

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

SIGNED Kevin J. McQuill TITLE Agent DATE 01/28/87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

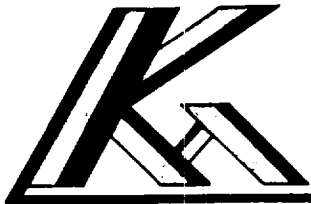
ACCEPTED FOR RECORD

FEB 09 1987

FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

BY 293



KM PRODUCTION COMPANY  
P.O. Box 2406  
Farmington, NM 87401  
(505) 325-6900

DAILY REPORT

Jicarilla 434 G #1  
790' FNL & 790' RWL  
Sec. 6, T22N, R4W  
Sandoval county, New Mexico

- 01/14/87 Moved in and rigged up Bayless Rig #3 - nipple up wellhead nipple up BOP - picked up 3 7/8" bit, casing scraper, and 2 3/8" 4.7#/ft N80 EUE used tubing - tagged cement on top of DV tool at 4388' RKB - SDFN.
- 01/15/87 Drilled out 18 feet of cement and DV tool at 4406ft RKB - picked up more tubing - tagged cement on top DFFC at 5926 ft RKB - drilled out 61ft of cement to DFFC at 5987ft - rigged up the Western Company pressure tested casing to 3500 psi, held OK - Circulated hole clean with 1% KCL water - moved tubing to 5849 - spotted 250 gallons of 7 1/2% DI HCL acid over lower gallup interval trip tubing, bit, and scraper out of hole - SDFN.
- 01/16/87 Rigged up Blue Jet - ran GR CLL from PBTD of 5964' RKB to 4400' RKB - perforated lower gallup interval with 3 1/8" casing gun and 4JSPF as follows:

5839 5849 10' 40 holes (.34" diameter)

Rigged up the Western Company - broke down perforations @ 1400 psi - established injection rate into lower gallup interval of 19 BPM @ 2700 psi, ISIP = 1800 psi - acidized down the casing with 250 gallons of 7 1/2% DI weighted HCL acid containg 60 l.l s.g. RCN ball sealers - 8 BPM @ 2000 -2300 psi -ran junk basket to recover ball sealers - recovered - 60 ball

01/16/87 sealers - fracture stimulated lower gallup interval with 17,665 gallons  
Cont. of 20#/1000 cross linked gelled fluid containing 23,000 lbs of 20/40 sand  
as follows:

5000 gallons of pad	29 BPM @ 3400 psi
5000 gallons of 1 ppg 20/40 sand	29 BPM @ 3300 psi
5000 gallons of 2 ppg 20/40 sand	28 BPM @ 3400 psi
2665 gallons of 3 ppg 20/40 sand	25-20 BPM @ 3400-3500 psi*
1680 gal. of uncrosslinked gel flush	20-0 BPM @ 3500 psi

\*Cut 3 ppg sand early due to high treating pressure - did not fully flush casing - Actual sand in formation was 17,330# - left 5662# of sand in hole - this should be 607 ft of sand fill - top of sand should be 5357' RKB - ISIP = 3500 psi, 5 min = 1550 psi, 10 min = 1400 psi, 15 min = 1350 psi. Average rate 28 BPM - Average pressure 3400 psi - maximum pressure 3500 psi - minimum pressure 3250 psi -Load fluid to recover 604 Bbls - shut in well to allow fracture to heal, gel to break, and sand to fall - SDFN

01/17/87 Rigged up Blue Jet - Ran sinker bar and tagged sand fill at 4954' RKB -tripped in hole with 2 3/8" tubing - tagged sand at 4954'- cleaned out 592' of sandbridge to 5546 feet - tagged sand fill at 5872.

Note: Bottom perforations not covered with sand.

Actual sand in formation from frac job was 16,635# - pressure tested casing and lower gallup perforations to 2500 psi, - 5 minute shutin 2350 psi, 10 minute shutin 2300 psi, and 15 minute shutin 2275 psi - moved tubing to 5384' RKB - SDFN.

01/18/87 Shut down Sunday

01/19/87 Cold night wellhead frozen rigged up the Western Company pumped into lower gallup interval at 1 BPM @ 3000 psi (pressure climbing) spotted 750 gallons of 7 1/2% DI HCL acid across upper gallup perforation interval trip tubing out of hole rigged up Blue Jet Perforated upper gallup interval with 3 1/8" select file perforation gun as follows:

4717 4817  
4755 4830  
4769 4855  
4782 4859  
4793 4865  
4805

11 select fire holes (.34" diameter)

01/19/87 Perforating gun hung up at 4173' on 2nd gun run - worked to try to free  
 Cont. gun, it would not come free - broke down upper 11 perforations - pumped  
 25 Bbls of fluid past stuck perforating gun - it would still not come free  
 - worked to free stuck gun - pulled from rope socket tripped in and out  
 of hole with overshot - did not recover fish - trip in hole with overshot  
 trip 30 stands out of hole - SDFN.

01/20/87 Trip out of hole with overshot - did not recover fish - trip in hole with  
 short catch overshot - circulate sand bridges from 5717 to 5854 -latched  
 on to fish @ 5854 TOH with tubing and fish - fish has large scrape up  
 and down tool indicating something metal had hung up gun - rigged up Blue  
 jet - set retrievable bridge plug on wireline at 5750' RKB - drop 5 gallons  
 of sand on plug - SDFN.

01/21/87 Trip in hole with tubing to 5380' - Rigged up the Western Company - spot  
 500 gallons of 7 1/2% DI HCL acid across upper Gallup perforation interval  
 - trip twoing out of hole - rigged up Blue Jet - finish preforating upper  
 Gallup interval with 3 1/8" casing gun as follows:

4878	4966	5018	5511	5177	5244	5285	5340	5359
4903	4973	5022	5115	5183	5261	5298	5342	5361
4910	4979	5032	5153	5215	5270	5308	5344	5371
4940	4991	5043	5158	5227	5274	5323	5348	
4953	4996	5057	5174	5240	5276	5330	5353	

(Note: 11 perforations fired earlier, gross perforation  
 interval from 4717 to 5380 63 perforations, .34" diameter)

Broke down perforations immediately - established injection rate into upper  
 Gallup perforations down the casing of 61 BPM @ 2100 psi, ISIP = 400 psi  
 - acidized down the casing with 750 gallons of 7 1/2% DI HCL weighted acid  
 containing 95 l.l s.g. R.C.N. ball sealers - 34 BPM @ 1200 PSI - saw good  
 pressure breaks when balls hit the perforations - balled off casing to  
 3500 psi - bled pressure down - ran junk basket to retrieve ball sealers  
 - recovered 93 balls - fracture stimulated upper Gallup interval with  
 155,000 gallons of .75 gal/1000 FR28 slick water containing 150,000 lbs  
 20/40 sand with 75 MC of radioactive tracer sand as follows:

01/21/87 30,000 gal pad 80 BPM @ 31503000 psi  
Cont. containing 20#/1000 silica flour  
7,500 gal of 1/2 ppg 20/40 sand 80 BPM @ 3000 2900 psi  
60,000 gal of 1/2 ppg 20/40 sand 80 BPM @ 2850 3000 psi  
57,500 gal of 2 ppg 20/40 sand 80 BPM @ 3000 3200 psi  
3,049 gal of flush 80 BPM @ 3200 3350 psi  
ISIP = 500 psi, 5 min = 450 psi, 10 min 425 psi, 15 min = 400 psi  
(All water contained 1% KCL, 1/2 gal/1000 clay stabilization agent, and  
1 gal/1000 surfactant)  
Average rate 80 BPM, average pressure 3000 psi - maximum pressure 3350  
psi, minimum pressure 2850 psi - load fluid to recover 3906 Bbls - Shut  
well in to allow fracture to heal - SDFN.

01/22/87 Overnight shutin pressure was 0 psi - thawed wellhead - tripped in hole  
with retrieving head on tubing - tagged sand bridge at 4891 circulated  
127 feet of sand (formation taking considerable fluid) and fell through  
bridge - tripped in hole and tagged sand fill at 5328 feet - tried to cir  
culate - formation taking too much fluid for good circulation - pulled  
tubing above perforations - SDFN.

01/23/87 Overnight shutin pressure were 0 psi tubing, and 0 psi annulus - thawed  
wellhead - moved tubing to sand fill at 5328 - rigged up the Western  
Company nitrogen - cleaned out 422 ft. of sand to bridge plug at 5750'  
RKB with foam - trip out of hole - did not have bridge plug - cleaned out  
sand - could not recover bridge plug - trip out of hole with retrieving  
head - head indicates metal around bridge plug - SDFN.

01/24/87 Overnight pressure was 0 psi - Trip in hole with shot catch retrieving  
head - latch on to bridge plug - very hard to release plug - bridge plug  
pulled tight all the way out of hole - recovered bridge plug - trip in  
hole with sawtooth collar, 1 jt. 2-3/8" tubing, seating nipple, and remain  
ing tubing - tag sand fill at 5700 ft. RKB - rigged up the Western Company  
- cleaned out 287 ft. of sand fill PBTD of 5987 ft. with foam - moved tub  
ing to 4799 ft. (seating nipple at 4769 ft.) - SDFN.