

MALLON OIL COMPANY

2850 Security Life Building, Denver, Colorado 80202
(303) 572-1511

November 21, 1985

State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

1-25N-2W

Re: Howard Federal #1-11 well
Johnson Federal #12-5 well
Rio Arriba County, NM

Ladies/Gentlemen:

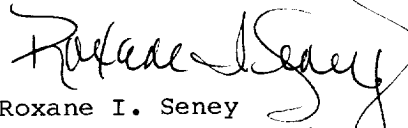
Enclosed please find NMOCC copies of Sundry Notices and Well Completion logs on the captioned wells.

Please note that the papers on the Howard Federal #1-11 well are marked confidential. Mallon Oil Company would like to request that the NMOCC would keep the information confidential.

If you should have any questions, please advise.

Sincerely,

MALLON OIL COMPANY



Roxane I. Seney
Land/Production Assistant

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NOV 26 1985
OIL CON. DIV.
DIST. 3

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 40644

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Howard Fed

9. WELL NO.

#1-11

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup

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

Sec. 1, T25N, R2W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

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.)

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SEP 16 1985

1. OIL ☒ GAS ☐ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Mallon Oil Company

3. ADDRESS OF OPERATOR

2750 Security Life Building, Denver, CO 80202 BUREAU OF LAND MANAGEMENT

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

At surface

1850' FSL & 1675' FWL

14. PERMIT NO.

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

7544' G.L.

16.

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) Spud & set surface casing

(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.)*

9-16-85 Spud well and cement casing. Will submit additional data as obtained.

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SEP 19 1985

OIL CON. DIV.
DIST. 3

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

SIGNED

TITLE Agent

DATE 9-16-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SEP 17 1985

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCG

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS **RECEIVED**

(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 40644	
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 1850' FSL & 1675' FWL		8. FARM OR LEASE NAME Howard Fed	
14. PERMIT NO.		9. WELL NO. #1-11	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7544' G.L.		10. FIELD AND POOL, OR WILDCAT Undesignated Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1, 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 <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 COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud & set surface casing</u> <input type="checkbox"/>	
(Other) <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.) *

See attached sheet

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SEP 30 1985
OIL CON. DIV
DIST. 3

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

SIGNED Kevin H. McCon TITLE Agent DATE 9-20-85

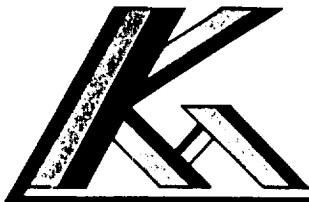
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC



EPAF
BU

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

MALLON OIL COMPANY
Howard Fed #1-11
Sec. 1, T25N, R2W
Rio Arriba County

Daily Report

- 9-16-85 Spud well @ 4:00 p.m. 9/15/85. Drilled 261 feet of 12 $\frac{1}{4}$ " surface hole. Ran 246 feet of 9-5/8" 36#/ft J-55 new surface casing and set at 258' RKB. Cemented surface casing with 165 ft³ (140 sx) Class B cement containing 2% CaCl₂. Good circulation throughout job. Circulated cement to the surface. Plug down @ 11:45 p.m. 9/15/85. WOC 12 hours.
- 9/17/85 Drilling @ 1444'. Mud wt. 8.6, Visc. 30, W.L. 6.0. 1° @ 820', 4° @ 1344', 4° @ 1437'.
- 9/18/85 Drilling @ 2571'. Mud wt. 8.6, Visc. 28. 4 $\frac{1}{4}$ ° @ 1529', 4 $\frac{1}{4}$ ° @ 1619', 3-3/4° @ 1741', 2-3/4° @ 1894', 3 $\frac{1}{4}$ ° @ 2109', 2-3/4° @ 2568.
- 9/19/85 Drilling @ 3395'. Mud wt. 9.1, Visc. 32, W.L. 6.0. 2 $\frac{1}{2}$ ° @ 2571', 2° @ 2722', 1° @ 2874', 1° @ 3356'.
- 9/20/85 Drilling @ 3979'. Mud wt. 8.9, Visc. 43, W.L. 6.2. 1-3/4° @ 3610', 1 $\frac{1}{2}$ ° @ 3857'.

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
Mallon Oil Company

3. ADDRESS OF OPERATOR
2750 Security Life Building, Denver, Co 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1850' FSL & 1675' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.
NM 40644

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Sec. 1, T25N, R2W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

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OCT 15 1985

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) T.D. well, run logs, set csg.			

(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 Sheets

CONFIDENTIAL

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NOV 26 1985
OIL CON. DIV.
DIST. 3

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

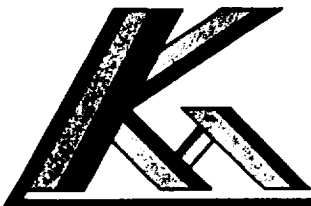
SIGNED Kern A. McGon TITLE Agent DATE 10/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NMOCC
*See Instructions on Reverse Side

NOV 1985
FARMINGTON RESOURCE AREA



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

MALLON OIL COMPANY

Howard #1-11
Sec. 1, T25N, R2W
1850' FSL & 1675' FWL
Rio Arriba County, NM

- 9/16/85 Spud well @ 4:00 p.m. 9/15/85. Drilled 261' of 12 $\frac{1}{4}$ " surface hole. Ran 246' of 9-5/8" 36#/ft J-55 new surface casing and set @ 258' RKB. Cemented surface casing with 165 ft³ (140 sx) Class B cement containing 2% CaCl₂. Good circulation throughout job. Circulated cement to the surface. Plug down @ 11:45 p.m. 9/15/85. WOC 12 hours.
- 9/17/85 Drilling @ 1444'. Mud Wt 8.6, Visc. 30, W.L. 6.0. 1° @ 820', 4° @ 1344', 4° @ 1437'.
- 9/18/85 Running wireline survey. Depth = 2571'. Mud wt 8.6, Visc. 28, 4 $\frac{1}{4}$ ° @ 1529', 4 $\frac{1}{4}$ ° @ 1619, 3-3/4° @ 1741', 2-3/4° @ 1894', 3 $\frac{1}{4}$ ° @ 2109', 2-3/4° @ 2568'.
- 9/19/85 Drilling @ 3395'. Mud wt 9.1, Visc. 32, W.L. 6.0. 2 $\frac{1}{2}$ ° @ 2571', 2° @ 2722', 1° @ 2874', 1° @ 3356'.
- 9/20/85 Drilling @ 3979'. Mud wt 8.9, Visc. 43, W.L. 6.2. 1-3/4° @ 3610', 1 $\frac{1}{2}$ ° @ 3857'.
- 9/21/85 Drilling @ 4409'. Mud wt 9.1, Visc. 44, W.L. 6.4. $\frac{1}{2}$ ° @ 4133', 1° @ 4409'.
- 9/22/85 Drilling @ 4945'. Mud wt 9.1, Visc. 37, W.L. 7.2. 1° @ 4931'.
- 9/23/85 Drilling @ 5365'. Mud wt 9.2, Visc. 44, W.L. 6.0.
- 9/24/85 Drilling @ 5793. Loss circulation @ 5793' - Mesaverde interval. Pull 5 stands. Mix 100 bbls of 20% LCM pill. Mud wt. 9.2, Visc. 35, W.L. 7.2. 1° @ 5424'.
- 9/25/85 Drilling @ 6006'. Lost 160 bbls @ 5793'. Mix 2nd LCM pill @ 25% (150 bbls). Regained full returns. Mud wt 8.9, Visc. 38, W.L. 8.6. 1° @ 5945'.

9/26/85 Drilling @ 6364'. Mud wt 9.1, Visc. 43, W.L. 8.0.

9/27/85 Drilling @ 6777'. Mud wt 9.0, Visc. 41, W.L. 7.2. 1° @ 6529'.

9/28/85 Drilling @ 7199'. Mud wt 8.9, Visc. 40, W.L. 8.0.

9/29/85 Coring @ 7322. Mud wt 8.9, Visc. 41, W.L. 6.8.

9/30/85 Drilling @ 7482'. Mud wt 9.0, Visc. 40, W.L. 7.2.

10/1/85 Drilling @ 7868'. Mud wt 8.9, Visc. 46, W.L. 7.2. 1° @ 7817'.

10/2/85 Drilling @ 8077'. Mud wt 8.8, Visc. 47, W.L. 7.2. 2° @ 8032'.

10/3/85 Drilling @ 8238. Mud wt 8.9, Visc. 46, W.L. 7.2.

10/4/85 Washing and reaming to bottom. Got stuck @ 8240' while reaming @ 50 RPM @ 3:00 p.m. Have fuel returns. Worked pipe for 8 hours. Rigged up Petro Log, tried to run freepoint tool. Tool would not go past saver sub below kelly. Manually backed off from drillpipe. Had old float wedged in saver sub. Replaced kelly with drillpipe. Ran free point tool. Could not get past 4496'. Pumped mud for 20 minutes. Pump pressured up. Junk hitting nozzles in bit. Ran free point tool. Collars 100% free @ 7695' (5 collars out, 19 collars left in hole). Backoff @ 7695'. Mud wt 8.9, Visc. 84, W.L. 6.0.

10/5/85 Attempted backoff @ 7695'. Apparently backed off in 2 places @ 8058' and 1 jt from surface. Screwed surface joint into string. Worked torque into pipe and pipe came free @ 8058'. Circulated mud (could not get sufficient pump pressure to indicate circulation through bit). Tripped out of hole. Recovered drillpipe and 18 collars. Left 6 collars, crossover sub, and bit in the hole. Wait on Xover sub. Trip in hole with screw-in sub, bumper sub, jars, and accelerator. Screw into fish. Could not circulate. Jar on fish and work fish for 3½ hours. Fish moved up and down the hole approximately 1 to 2 feet but would not rotate. Jars became ineffective after 3½ hours of jarring (going off too early). Rig up Petro-Log. Ran sinker bar through drillpipe and collars. Sinker bar went to the bit. Running freepoint. Mud wt 8.9, Visc. 46, W.L. 6.2.

10/6/85 Ran freepoint. Could not get freepoint tool to work. Ran backoff shot at top of 1st collar (8208'). Collar locator did not work after shot. String pulled tight. Weight appeared to be right (to recover all but 1 collar, bit sub, and bit). Worked to free up pipe. Pipe came free but didn't weigh correctly. Ran collar locator log. Appeared to have entire fish. TOH. Recovered all fishing tools but screw in sub. Fish remaining in hole. Screw in sub, 6 collars, bit sub, and bit. Lay down old fishing tools. Pick up new fishing tools. Trip in hole with bumper sub, jars, and accelerator. Screw into fish. Established circulation through fish @ 1200 psi (appears some jets are out of bit). Jar on fish for 15 minutes and it came free. Work pipe and condition hole. Trip out of hole with fish. Mud wt 9.0, Visc. 52, W.L. 7.6.

- 10/7/85 Trip out of hole with fish. Recovered all of fish. Bit was 1-1½" out of gauge. Trip in the hole with drilling jars and new bit. Ream 120' to 8240'. Had trouble reaming @ 8241 to 8242'. Worked on this spot for 5 hours. Could not make any hole. Suspect new bit is out of gauge. Circulate and condition hole 2 hours for logs. Trip out of hole for logs. Loggers got stuck on side of road in mud on their way to location. Trip to bottom and circulate. Wait on loggers. Mud wt 9.0, Visc. 65, W.L. 6.8.
- 10/8/85 Wait on loggers. Trip out of hole for logs. Rigged up Gearhart. Log stopped @ 6900' (top of Gallup). Trip in hole with mill tooth bit. Tagged bridge @ 6989'. Ream hole from 6989 to 7172' (583 feet). Mud wt 8.8, Visc. 55, W.L. 6.4.
- 10/9/85 Trip in hole from 7172 to 8093'. (151 feet off bottom). Ream from 8093 to 8140'. Bit was reaming very slow. Circulate and condition mud (raise viscosity to 68). Trip out of hole. Pulled through tight bridge @ 7050'. Reamed from 7050' to 8140'. Circulate and condition mud (raise viscosity to 80). Short trip 25 stands from 8140 for logs. Mud wt 9.0, Visc. 56, W.L. 6.0.
- 10/10/85 Short trip 25 stands from 8140 to above Gallup formation. Short trip was smooth, no tight spots or bridges. Trip out of hole for logs. Rigged up Gearhart. Induction log went to 8102' (142' above T.D.). Ran IEL log. Ran Density-Neutron from TD to 6967. Tool got stuck @ 6944 to 6967'. Worked to free tool. Tool pulled loose at rope socket. Wait on fishing tools. Trip in the hole with 5-3/4" overshot guide, 3½" overshot, bumper sub and jars. Tag fish @ 6964'. Pump pressure rose 200 psi to 750 psi. String took weight. Pulled up and worked fish. Ran 30' drillpipe and kelly in hole. Chained out of hole. String pulling wet. Trip out of hole with fish. Mud wt 9.0, Visc. 82, W.L. 6.4.
- 10/11/85 Trip out of hole with fish. Did not have fish. Trip back in hole with fishing tools. Tag fish @ 8087'. Pump pressure increased to 2000 psi when grabbed fish. String pulled wet. Trip out of hole. Recovered all of fish. Trip in hole with 6-3/4" bit. Start drilling. Mud wt 8.9+, Visc. 60, W.L. 4.8. Depth @ 8252'.
- 10/12/85 T.D. well @ 8276' at 7:30 p.m. 10/11/85. Circulate for 2 hours. Lay down drill pipe and collars. Mud wt 9.0, Visc. 64, W.L. 4.6.
- 10/13/85 Lay down drill pipe and collars. Rig up casing crew. Run 5½" casing as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	11.00	0-11
1 cutoff jt 5½" 17#/ft new csg (30.12 feet in)	30.12	11-41
92 jts 5½" 17#/ft new casing	3848.46	41-3890
1 upper D.V. tool	2.53	3890-3892
55 jts 5½" 17#/ft new casing	2294.83	3892-6187
1 lower D.V. tool	2.53	6187-6189
48 jts 5½" 17#/ft new casing	2014.18	6189-8204

10/13/85	1 Differential fill float collar	2.21	8204-8206
(cont.)	1 jt 5½" 17#/ft new casing	42.15	8206-8248
	1 5½" guide shoe	.95	8248-8249
		<u>8248.96</u>	

D.F.F.C. @ 8204. Centralizers @ 7741, 7616, 7490, 7363, 7237, 7111, 6985, 6859, 6145, 6229, 3848, 3934. Lower D.V. @ 6187', Upper D.V. @ 3890'.

Casing was landed 27' off bottom. Casing shoe stuck when hooking up final joint of casing. Rigged up Dowell. Pumped 10 bbls of water ahead of cement. Cemented 1st stage with 441 ft³ (350 sx) 50-50 pozmix with 2% gel, 10% salt and ¼# flocele/sx. Good circulation throughout job. Bumped plug to 1750 psi. Held OK. Plug down @ 4:45 p.m. 10/12/85. Dropped bomb to open D.V. tool. Tool opened @ 1000 psi. Circulated 3 hours between stages. Pumped 10 bbls of water ahead of 2nd stage cement. Cemented 2nd stage with 206 ft³ (100 sx) Class B cement with 2% D-79 and ¼# flocele/sx tailed by 221 ft³ 50-50 pozmix with 2% gel, 10% salt and ¼# flocele/sx. Good circulation throughout job. Bumped plug to 1500 psi. Held OK. Plug down @ 8:45 p.m. 10/12/85. Dropped bomb to open D.V. tool. Tool opened @ 1000 psi. Circulated 3 hours between stages. Pumped 10 bbls of water ahead of 3rd stage cement. Cemented 3rd stage with 515 ft³ (250 sx) of Class B cement with 2% D-79 and ¼# flocele/sx tailed by 158 ft³ (125 sx) 50-50 pozmix with 2% gel, 10% salt and ¼# flocele/sx. Good circulation throughout job. Bumped plug to 2000 psi. Held OK. Plug down @ 1:00 a.m. 10/13/85. Nipple down BOP, set slips and cutoff casing. Released rig @ 3:00 a.m. 10/13/85.