

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

Drill ☒

Deepen ☐

b. TYPE OF WELL

Oil Well ☐

Gas Well ☒

Other

Single Zone ☐

Multiple Zone ☒

2. NAME OF OPERATOR

Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 3256

Carlsbad, NM 88220

(505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements \*)

At surface 1650' FNL and 900' FEL (SE/NE) Unit H

At proposed prod. zone 1650' FNL and 900' FEL (SE/NE) Unit H

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE \*

54 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED \*

LOCATION TO NEAREST 1650'

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

3000'

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)

7171' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	5-1/2"	15.5#	4500'	570 sks

5. LEASE DESIGNATION AND SERIAL NO.

JIC 462

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

Jicarilla 462-22 No. 2

9. API WELL NO.

30-039-25992

10. FIELD AND POOL, OR WILDCAT

E. Blanco, Pictured Cliffs

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

Sec. 22, T30N-R03W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

Exhibit 1: Blow Out Preventor Equipment/Plan

Exhibit A: Location and Elevation Plat

Exhibit B: Roads and Pipelines

Exhibit C: One Mile Radius Map

Exhibit D: Drilling Site Layout

Exhibit E: Production Facilities

Exhibit F: H2S Contingency Plan

Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED:

Terry Lindeman

TITLE: Operations Superintendent

DATE 08/11/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (Original Signed) HECTOR A. VILLALOBOS

TITLE

Asst Field mgr

DATE

OCT 20 1998

\*See Instructions On Reverse Side

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.

## **DRILLING PROGRAM**

Attached to Form 3160-3

Mallon Oil Company

**Jicarilla 462-22 No. 2**

1650' FNL and 900' FEL (SE/NE) Unit H

Sec. 22, T30N-R3W

Rio Arriba County, New Mexico

**LEASE NUMBER: JIC462**

**1. Geologic name of surface formation:** San Jose

**2. Estimated tops of important geologic markers:**

San Jose	Surface
Nacimiento	2600'
Ojo Alamo	3230'
Kirtland	3458'
Fruitland	3478'
Pictured Cliffs	3468'
Lower P.C.	4017'
Total Depth	4500'

**3. Estimated depths of anticipated fresh water, oil, or gas:**

San Jose	1500'	Gas
Nacimiento	2600'	Gas
Ojo Alamo	3230'	Gas
Fruitland	3478'	Gas
Pictured Cliffs	3768'	Gas

No other formations are expected to give up oil, gas, or fresh water in measurable quantities.  
The surface fresh water sands will be protected by setting 8-5/8" casing at 500' and circulating cement back to surface.

**4. Proposed casing program:**

<u>Hole Size</u>	<u>Interval</u>	<u>Casing OD</u>	<u>Casing weight, grade, thread</u>
12-1/4"	0-500'	8-5/8"	24 lb/ft, K55, ST&C
7-7/8"	0-4500'	5-1/2"	15.5 lb/ft, K55, LT&C

**Cement program:**

8-5/8" surface casing: Cemented to surface with 350 sks Class B containing 2% CaCl<sub>2</sub>, 0.25 lb/sk Cello Seal, slurry to be mixed at 15.6 lb/gal, yield 1.18 cu ft/sk. Circulate cement to surface.

5-1/2" production casing: Lead slurry 300 sks 65/35 mixed at 13.4 lb/gal, 1.62 cu ft/sk, 30% excess. Tail with 270 sks 50/50 POZ, containing 1/4 lb/sk Cello Seal mixed at 14.15 lb/gal, 1.26 cu ft/sk, 30% excess.

# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-2599A 72400		2 Pool Code E Blanco PC		3 Pool Name	
4 Property Code 23871		5 Property Name JICARILLA 462-22			6 Well Number 2
7 OGRID No. 13925		8 Operator Name MALLON OIL COMPANY			9 Elevation 7171'

### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	22	30-N	3-W		1650	NORTH	900	EAST	RIO ARRIBA

### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

S 89-31-38 E 2640.65'

<p>FD. 1917 G.L.O. B.C.</p> <p>RECEIVED</p> <p>OCT 22 1998</p> <p>OIL CON. DIV.</p> <p>DET. 3</p>	<p>22</p>	<p>1650'</p> <p>900'</p> <p>2635'</p> <p>5270'</p> <p>(CALC. COR.)</p>	17 OPERATOR CERTIFICATION
			<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature</p> <p>Terry Lindeman</p> <p>Printed Name</p> <p>Operations Superintendent</p> <p>Title</p> <p>August 11, 1998</p> <p>Date</p>
			18 SURVEYOR CERTIFICATION
			<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>8894</p> <p>Certificate Number</p>

NE/4 OF SEC. 22 T-30-N, R-3-W, N.M.P.M.,  
RIO ARriba COUNTY, NEW MEXICO  
1650 FNL, 900 FEL

