# CONFIDENTIAL

Form 3160-3						SUBMIT IN TRIP	LICATE	FC	ORM APPRO	VFD	
(July 1992)	UNITED STATES (Other instructions on					ions on	OMB NO. 1004-0136				
	DEPARTMENT OF THE INTERIOR reverse side)						Expires February 28, 1995				
BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR DEEPEN									5. LEASE DESIGNATION AND SERIAL NO.		
4. 7/05.05.440	APPLI	CATION	V FOR PE	RMIT TO DRII	LL OR DEEP	PEN		JIC 459			
	TYPE OF WORK  Drill X Deepen					6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache					
b. TYPE OF WELL Oil Well	b. TYPE OF WELL 77 LINIT AGREEMENT NAME							E			
/ <u>L</u>	Gas Well	Х	Other		Single Zone	Multiple Zone		N/A			
2. NAME OF OPERAT	2. NAME OF OPERATOR  Mallon Oil Company  8. FARM OR LEASE NAME, WELL NO.  Jicarilla 459-18 No. 13										
3. ADDRESS AND TE		2050					<del>(}</del>	9. APLWELL N			
	P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596								2605		
4. LOCATION OF WEL	L (Report location	on clearly an	nd in accordan	ce with any State requi	rements *)		<del>38 ~</del>	E. Blanco			
At surface	2007' FSL	and 11	77' FWL	(NE/SE) Unit I		DEC S		11. SEC. T. R	M. OR BLK		
At proposed prod. zone	2007' ESI	and 11	77' =\^/	AIE/CE) Unit I	-			AND SURVEY	OR AREA		
At proposed prod. Zone	2007   GL	anu II	II FVVL	(NE/SE) UNICI			13/2	Coo 10 T	OAL DO	۸,	
14. DISTANCE IN MILE	S AND DIRECT	ION FROM	NEAREST TO	OWN OR POST OFFICE	F *		g K	Sec. 18, T			
· · · · · · · · · · · · · · · · · · ·	54 miles e	ast of B	loomfield	, New Mexico	,	1.) 3.230		Rio Arriba	K PAKISH	13. STATE NM	
15. DISTANCE FROM		4.4	771		16. NO. OF ACE	RES IN LEASE	17. NO	OF ACRES AS			
LOCATION TO NEARE PROPERTY OR LEASE		11	77'		220		TO THIS				
(Also to nearest drlg. un					2267	/			87.3		
18. DISTANCE FROM		CATION*			19. PROPOSED	DEPTH	30 BO	TARY OR CABL	ETOOLE		
TO NEAREST WELL, D				1150'			20. 10	THE OF CADE	10010		
OR APPLIED FOR, ON						4500'			Rotary		
21. ELEVATIONS (SHC	W WHETHER D	F, RT, GR,		7127' GR POSED CASING	22. APPROX.DAT	E WORK WILL START		09/02/9	8		
SIZE OF HOLE	GRADE	SIZE OF C		WEIGHT P				r	<del></del>		
12-1/4"		8-5/8"	AOIIVO		24#	SETTING DEPT 500'	H		QUANTITY OF CEMENT		
7-7/8"		5-1/2"			5.5#	4500'		Circulate to surface 570 sks			
					0.0#	1 4300		370 SKS		<del></del>	
						<del> </del>			···		
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											
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: DATE OB/19/98  Lerry Condeman  TITLE: Operations Superintendent  DATE 08/19/98											
(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:  (Original Signed) HECTOR A VIII ALGODS  LARGE AND MEDICES											
(Original S	igned) HEOT	OR A. VI	Hainens	المنابة .	ino esta Mili		-	6n a			
APPROVED BY				TITLE		DAT	E	EC 2 1 2	358	_	
*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.

HOLD C-104 TO CONFIGENTIAL SER PC 7 NSPHANSE CONFIGENTIAL S

N.M. 88211-0719

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

tec, N.M. 87410

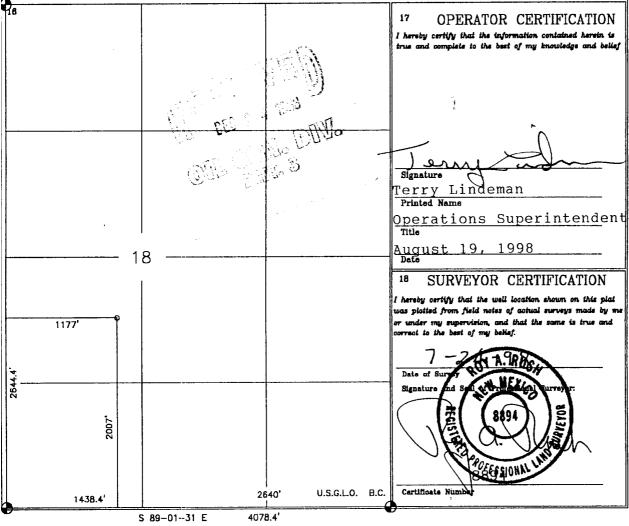
OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

☐ AMENDED REPORT

NM 87504-2088

# LOCATION AND ACDUACE DEDICATION DIAT

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er	-26058 72400				E Blanco Pa				
	<u> </u>	• 1	* Well Number						
			13						
			• Elevation						
5	*Operator Name  MALLON OIL COMPANY							7127'	
				10 Surface	Location				
lion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
8	30-N	3-W		2007	SOUTH	1177	WEST	RIO ARRIBA	
	<u> </u>	11 Botto	m Hole	Location I	f Different Fro	om Surface			
lion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
oint	or Infill 14 (	Consolidation	Code 15 O	rder No.					
		SSIGNED ION-STA			ON UNTIL ALL EEN APPROVED			ONSOLIDATED	
76						17 0	PERATOR CE	RTIFICATION	



## **DRILLING PROGRAM**

Attached to Form 3160-3

Mallon Oil Company

Jicarilla 459-18 No. 13

2007' FSL and 1177' FWL (NE/SE) Unit I

Sec. 18, T30N-R3W

Rio Arriba County, New Mexico

### **LEASE NUMBER:** JIC459

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:

Hole Size	<u>Interval</u>	Casing OD	Casing weight, grade, thread
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.

