Form 3160-3 (July 1992)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

FORM APPROVED

OMB NO. 1004-0136	
Expires February 28, 1995	
E LEACE DECICNATION AND OFFICE NO	_

	APPLICATION FOR PE	RMIT TO DRILL	L OR DEEPE	N c · · · · · ·	- F.	JIC 462	ND SERIAL NU.		
1a. TYPE OF WORK	Drill X	Deepen	]		~ · · ·	6. IF INDIAN, ALLOTTEE OF Jicarilla Apache	R TRIBE NAME		
b. TYPE OF WELL Oil Well	Gas Well X Other		Single Zone	Multiple Zone		7. UNIT AGREEMENT NAMI N/A	E		
2. NAME OF OPERAT	or Mallon Oil Company <i>Ol</i>	3925	A CERT			8. FARM OR LEASE NAME, Jicarilla 462-22 No			
3. ADDRESS AND TEL						9. API WELL NO. 30-2			
	Carlsbad, NM 88220	(505) 885-4596	and the second	000 W		10. FIELD AND POOL, OR V			
4. LOCATION OF WEL	L (Report location clearly and in accordance 1190' FSL and 1190' FEL (S	e with any State require		998		E. Blanco, Pictured	Cliffs 70		
	1190' FSL and 1190' FEL (	C** 11	(A)		6	AND SURVEY OR AREA	•		
	·	,	LATIGIT S			Sec. 22, T30N-R03			
	es and direction from nearest to 53 miles east of Bloomfield			•	<i>,</i>	Rio Arriba	13. STATE NM		
15. DISTANCE FROM	4.4501		16. NO. OF ACRI	ES IN LEASE	1	OF ACRES ASSIGNED			
PROPERTY OR LEASE			1920		I TO THE	S WELL 160			
(Also to nearest drig. ur			1520			100			
<del></del>	PROPOSED LOCATION*		19. PROPOSED	DEPTH	20. RO	TARY OR CABLE TOOLS			
	ORILLING, COMPLETED,	2127'							
OR APPLIED FOR, ON	THIS LEASE, FT.		4	1500'		Rotary			
21. ELEVATIONS (SHO	OW WHETHER DF, RT, GR, Etc.)	7116' GR		WORK WILL START		09/18/98			
23.	PRC	POSED CASING	AND CEMENT	ING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PE		SETTING DEPT	H H	QUANTITY OF CEMENT			
12-1/4"	8-5/8"		4#	500'		Circulate to surface			
7-7/8"	5-1/2"	15	5.5#	4500'		570 sks			
5-1/2" casing we consistent with in the following  Drilling Program Exhibit 1: Blo Exhibit A: Loc Exhibit B: Ro Exhibit C: On IN ABOVE SPACE DES	m ow Out Preventor Equipment cation and Elevation Plat ads and Pipelines e Mile Radius Map SCRIBE PROPOSED PROGRAM: If propo ionally, give pertinent data or subsurface to	n-productive, the ic programs as /Plan sal is to deepen, give decations and measured a	Exhibit D: Exhibit E: Exhibit F: Exhibit G: exhibit G: ata on present prod	Drilling Site Lar Production Fac H2S Continger Environmental uctive zone and propose	yout cilities ncy Pla Asses d new pre-	oned in a manner o. 1 are outlined  an assment roductive zone If proposal is	09/04/98		
(This space for Federal	or State office use)								
PERMIT NO.	,			APPROVAL [	DATE				
Application approval do operations thereon.	pes not warrant or certify that the applicant h	olds legal or equitable t	title to those rights i	n the subject lease whic	h would €	entitle the applicant to conduct			
APPROVED BY (Orig	ginal Signed) HECTOR A. VILLAL	OBOS TITLE	t Lielo	Magr DAT	ΓE	OCT 2 0 1998			
			ons On Revers	U					

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. 4

1190' FSL and 1190' FEL (SE/SE) Unit P

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:

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.

HOM-21-1328 NR:21 FRUM DHUGETT ENTERPRISES INC. DISTRICT 1 P.O. Hox 1980, Hobbs. N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised Febuary 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT III 1000 Rts Brazos Rd., Artce, N.M. 87410

DESTRICT H P.O. Drawer DD, Artesia, N.M. 88211-0712

TRICT IV Box 2088, San	ta Fe, NM				inta re, MM o					AMEN	DED REPORT
1,00	Number				N AND AC	REAGE DED			<del></del>		
	Number 39-1	7506	- I	*Pool Code		5 Blan		Pool Nam	i*		
Property C		(4) 7 /	1	270	Property	<del></del>	- 60				ell Number
										- #	1
OGRID No	JICARILLA 462-22  **TOGRID No. **Operator Name							4			
129	25				MALLON OIL					·	Elevation 7116'
15/0				~~~						·	/110
L or lot no.	Section	Township	Range	Lot Idr.	Surface Feet from the	LOCALIOII North/South line	Feet fo	om the	East/Wasi	line	County
P	22	30-N	3-W		1190'	SOUTH	119		EAST		RIO ARRIBA
	<u> </u>	L	11 Botto	m Hole	Location I	f Different Fro				<del></del> -	Ale sittles
L or lot no.	Section	Township	Range	Lot Me.	Feet from the	North/South line		om the	East/West	line	County
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Dedicated Acre	a la John	or bafill 14	Consolidation	Code "0	rder No.		l	* *****		<u> </u>	<u> </u>
160											
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			<del>.</del>				-34 E :2268'	Printed Na Dera Nile	tions	Sup	erintende
- <u>* * * * * * * * * * * * * * * * * * * </u>			2	22 <del></del> -	•			epte:	mber 4	<b>4</b> 1	998
							8 2 1	8 SU	RVEYOR	CER	TIFICATION
							131	harning sertiq u plotted fr	ly that the we om fleid notes suparvirios, ar	il incetton of actual	rheurs en this plas surveys made by me surve is brus and
						1190'		Date of Sun Signature	889 A STANFORD	TOWN U	and the same of th
). U.S.C.L.O. B 117	.C. 260	<b>s'</b>			1305'	1 404	-	Certificate		·	<del></del>
<del></del>			N 89-39-2			1305*	-				

N 89-39-27 E \$2:18'

