Form 3160-3 (July 1992)					1		
A ES LA		PROPERTY NO	15398	PLICATE*	FORM APPI	ROVED	
	DIL CONS. COM	POOL CODE	37584	2)	OMB NO. 10 Expires: Februa	ry 28, 1995	
	OXDESORTMEN.	EFF. DATE	1-1-01	ſ	5. LEASE DESIGNATION	AND SERIAL NO.	
	S, NEW MEXICA		1-12-75		NM-052		
	CATION FOR P	APINO. 30-	025-32818		6. IF INDIAN, ALLOTTEE	OR TRIBE NAME .	
i. Tipe of work DR	ILL 🖾	DEEPEN L			NA 7. UNIT AGREEMENT N.	LYB .	
TIPE OF WELL			(file 9 1, 4004)		NA		
	ELL OTHER		Chinopa / 1994 MULTIP		8. FARM OR LEASE NAME, WEL	77	
	2	Q	·- · · · · /		Mallon 34 F	ederal	
Mallon Oil (. ADDRESS AND TELEPHONE NO.	company	1.50	ST. 6 N.M.		9. AT WELL NO.		
P.O. Box 32!	56, Carlsbad,	NM 88220	885-4	596	10, FIELD-AND POOL O	B, WILDCAT	
. LOCATION OF WELL (R At surface 1000)	eport location clearly and FSL and 660' FWL (in accordance with at	State requirements.*)		NE LEL Delaware	e e	
					11. SEC., T., R., M., OR E AND SURVEY OR AR	LK.	
At proposed prod. zon	'* 1980' FSL and 66	O'FWL (NW SW) U	nit L				
4. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OF	rice*		Sec. 34, T1	9S-R34E	
35 miles	SW of Hobbs, New M	exico			Lea	NM	
5. DISTANCE FROM PROPE LOCATION TO NEARES	USED*		. NO. OF ACRES IN LEASE	17. NO. O	F ACRES ASSIGNED	1 1411	
PROPERTY OR LEASE I	g. unit line, if any)	560'	640				
S. DISTANCE FROM TROI TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	i	. PROPOSED DEPTH	1	NY OR CABLE TOOLS	·-··	
	ether DF, RT, GR, etc.)	1320'	6300'	· · · · · · · · · · · · · · · · · · ·	otary 22. APPROX. DATE WO		
3678' GR		Capitai	n Controlled Water Ba	sin	12/30/94	M WILL START	
3.		PROPOSED CASING	AND CEMENTING PROGRA	м			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	<u> </u>	QUANTITY OF CEMEN	<u> </u>	
25"	20	0.25	40'	Redi-	-Mix to surf	ace	
14 0/4			1500 CIRCUDAT		x Lite, 200 sx Class		
14-3/4	9-5/8	36#	1500 CIR (CUDATE	x Lite, 200	sx Clas	
8-3/4 The Operat	5-1/2	14 & 15.5#	a depth suffi	800 s .cient	sx Lite, 200 to test the	sx Clas sx Clas	
The Operation nonproduct consistent Oil & Gas Drilling F Surface Us Exhibit #1 Exhibit #1 Exhibit "I	5-1/2 tor proposes for oil. If tive, the well with Federa Order #1 are Program Se and Operat 1 - Blow Out A" - Location 3" - Existing C" - Planned C-1" O" - One Mile	to drill to productive l will be p l regulation outlined in preventor and Elevat Roads Access Road Radius Map proposal is to deepen, give is and measure and true were seen and measure and true were seen and measure seen and true were seen and measure seen and true were seen and	a depth suffice, 5-1/2" casingly casing lugged and abards. Specificen the following the following special support special support support special support supp	cient g will ndone progra g atta Exh: Exh: interpropried interprogram,	to test the lobe cemented in a manne ams as per Oachments: ibit "E" - W ibit "F" - P f new productive zone. If pr If any.	sx Clas sx Clas Delawar d. If r nshore ell Site ayout roductio acilitie	
The Operation nonproduct consistent Oil & Gas Drilling F Surface Us Exhibit "F Exhibit "F Exhibit "G Exhibit	tor proposes for oil. If tive, the well with Federa Order #1 are Program se and Operat - Blow Out - Location - Existing - Planned - " - One Mile FROPOSED PROGRAM: If inent data on subsurface location winkler rai or State office use)	to drill to productive l will be p l regulation outlined in preventor and Elevat Roads Access Road Radius Map proposal is to deepen, give is and measured and true were seen to be a seen t	a depth suffice, 5-1/2" casingly casing lugged and abases. Specifice of the following the following special support of the following support of the	cient g will ndone progra g atta Exh: Exh: interprogram, intende	to test the be cemented in a manner ams as per Oachments: ibit "E" - W ibit "F" - P f new productive zone. If pr if any.	sx Clas sx Clas Delawar d. If r nshore ell Site ayout roductio acilitie	
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The Operation nonproduct consistent Oil & Gas Drilling F Surface Us Exhibit #1 Exhibit "F Exhibit "G Exhibit	tor proposes for oil. If tive, the well with Federa Order #1 are Program se and Operat - Blow Out - Location - Existing - Planned - " - One Mile - Proposed Program: If se pro	to drill to productive l will be p l regulation outlined in preventor and Elevat Roads Access Road Radius Map proposal is to deepen, give is and measured and true were seen to be a seen t	a depth suffice, 5-1/2" casingly casing lugged and abases. Specifice of the following the following special support of the following support of the	cient g will ndone progra g atta Exh: Exh: interprogram, intende	to test the less the	sx Clas sx Clas Delawar d. If r nshore ell Site ayout roductio acilitie	

*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 Visited States any false distillant or fraudulent statements or representations as to any matter within its jurisdiction.

DRILLING PROGRAM

Attached to Form 3160-3
Mallon Oil Company
Mallon "34" Federal No. 16
1980 FSL, 660 FWL, Sec.34 T19S R34E
Lea County, New Mexico

Lease Number: NM-052

- Geologic Name of Surface Formation is : Quaternary Alluvium
- 2. Estimated Tops of Important Geologic Markers

Quaternary Alluvium Surface Rustler 1590 Top of Salt 1720 Base of Salt 3326 Yates 3513 Seven Rivers 3821 Queen 4516 Delaware 5800 Total Depth 6300

3. The Estimated Depths of Anticipated Fresh water, Oil or Gas:

Quaternary Alluvium	300'	Fresh Water.
Yates	3513'	Oil
Queen	4516'	Oil
Delaware	5800'	Oil

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 9 5/8" csg at 1500' and circulating cement back to surface. Potash will be protected by setting 5 1/2" csg at total depth and circulating cement back to 1300' from surface.

4. Proposed Casing Program:

<u>Hole Size</u> 25"	Interval Csg OD 0-40' 20"		Csg weight grade, Jt,, Type Cor Conductor, 0.25" wall thickness			
14 3/4"	0-1500'	9 5/8"	36# K-55 STC			
8 3/4"	0-5300 5300-TD	5 1/2" 5 1/2"	14# K-55 STC 15.5# K-55 STC			

Cement Program:

20" Conductor csg: Cemented with ready-mix to surface

9 5/8" Surface csg: Cemented to Surface with 700 sx Pacesetter Lite

6.00% Gel (Bentonite)+0.25 lb/sk Cello-Seal

105.% Fresh Water

5 1/2" Production csg. Cemented with 800 sacks Pacesetter Lite (C)

6.00% Gel (Bentonite)+0.25 lb/sk Cello-Seal 5.00% Salt+105.00% Fresh Water, This cement

slurry is designed to bring TOC to 1300'.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram type (3000psi WP) preventer. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams on bttom. The BOP will be nippled up on the 9-5/8" surface csg and used continuosly until TD is reached. BOP and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Pipe rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 2" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve and choke lines and choke manifold with 3000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a combination of brine, cut brine, and polymer/KCL mud system. The applicable depths and properties of this system are as follows:

Depth	Туре	Weight	Viscosity	Waterloss
		(ppg)	(sec)	(cc)
0-40 F	Fresh Water (spud)	8.5	40-45	N.C.
0-1500	F.W. (Gel/Lime)	8.5-9.0	32-36	N.C.
1500-T	D Brine Water	10.0	32-34	10-12cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

- 7. Auxiliary Well Contol and Monitoring Equipment:
 - (A) A Kelly cock will be kept in the drill string at all times.
 - (B) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
 - (C) The drilling fluids systems will be visually monitored at all times.
- 8. Testing, Logging and Coring Program:

Drill Stem Tests: None Anticipated

Logging: TD to Surface casing, GR, CNL-FDC, DLL, MSFL

Coring: None Planned

9. Abnormal Conditions, Pressures, Temperatures, & Potential Hazards:

No abnormal pressures or temperatures are anticipated. The proposed mud program will be modified to control excess pressure if abnormal pressures are encountered. The estimated bottom hole temperature (BHT) at TD is 150 F and estimated maximum bottom-hole pressure (BHP) is 2800 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

Anticipated starting date: December 10, 1994
 Anticipated completion of Drilling operations: Expected duration of 3 weeks.

CIVED

JAN 1 1 1995

OFFICE

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3,000 phi Working Pressure

3 MWP

STACK REQUIREMENTS

No.	ltem	Min, I.D,	Min. Nominal	
1	Flowline			
2	Fill up tine			2-
3	Drilling nipple			
5	Two single or one dual hydoperated rams	drautically		
6a	Orilling spool with 2" min. 3" min choke line outlets			
65	2" min. kill line and 3" min outlets in ram. (Alternate t	n. choks line to 6a above.)		
7	Valve	Gate □ Plug □	3-1/8"	
8	Gate valve—power opera	ted	3-1/8"	
9	Line to choke manifold			3*
10	Valves	Gate 🗆 Plug 🖸	2-1/16*	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gate [] Plug []	1-13/16*	
14	Pressure gauge with need	dle valve		
15	Kill line to rig mud pump r			2*

3	
	BLIND RAMS
@—————————————————————————————————————	PIPE RAUS ORILLING
	SPOOL 7 13 9 CASING 12 W

CONFIGURATION

	OPTIONAL		
16	Flanged valve	1-13/16*	

CONTRACTOR'S OPTION TO FURNISH:

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 3,000 psi, minimum.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closedagainst full rated working pressure.
- 3.80P controls, to be located near drillers position.
- 4. Kelly equipped with Kelly cock.
- 5.Inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
- Kelly saver-sub equipped with rubber casing protector at all times.
- 7.Plug type blowout preventer tester.
- Extra set pipe rams to fit drill pipe in use on location at all times.
- 9. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- Bradenhead or casinghead and side valves.
- 2. Wear bushing, if required.

GENERAL NOTES:

- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.All connections, valves, littings; piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through chore. Valves must be full opening and suitable for high pressure mud service.
- Controls to be of standard design and each marked, showing opening and closing position.
- 4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- All valves to be equipped with handwheels or handles ready for immediate use.
- 6. Choke lines must be suitably anchored.

- Handwheels and extensions to be connected and ready for use.
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- All seamless steel control piping (3000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- 10. Casinghead connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine fill-up operations.

Exhibit 1

DISTRICT I P.O. Box 1980, Hobbs, NM 86240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD. Artesia, NM 88210

OIL CONSERVATION DIVISION

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 P.O. Box 2088 Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

676

3239

JOHN W. WEST,

RONALD J. EIDSON,

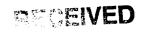
Certificate No.

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WELL TO	CALION	AND ROMER	GE DEDICATE	JII I LAI		
1	umber			Pool Code	.1	41 - I	Pool Name	Oi	
30.025		18	37	534	11/6	rtleast	100	VE GIE Well Nu	20010
Property Code Property Name 15394 MALLON 34 FEDERAL						i	16		
OGRID No.							Elevation		
13925	<u> </u>			N	MALLON OIL			367	8'
		<u> </u>			Surface Loca	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	34	195	34E		1980	SOUTH	660	WEST	LEA
		1	1 Bottom	Hole Lo	cation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation	Code O	rder No.	<u> </u>			
40									
NO ALLO	WABLE W					JNTIL ALL INTER		EN CONSOLIDA	TED
		OR A I	NON-STAN	DARD UI	NIT HAS BEEN	APPROVED BY	THE DIVISION		····
	<u>i</u>			T			OPERATO	R CERTIFICAT	TION
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	!				į I		contained hereis	n is true and compl	1
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	ł				!		Productio	N Superint	rendent!
	ļ				ļ		Title		
	!				1		Date	9-99	
	(1				====
							SURVEYO	OR CERTIFICAT	TION
	/ 1				i		I hereby certify	that the well locat	ion shown
1677 3	3679.9				i		11	as plotted from field made by me or	•
3677.3'	750,3.5				i		supervison ar	d that the same is	true and
1	. i	/			1		0077001 10 11	A CD LAND CO.	,
3675.4	3676.8				1		MONE	NDER 24, 199	4
					!		Date Sussey	No.	
1-7-7	· +			† – – ·	+-		Signatura &	Sorre Por	2 E
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1980.					1		1 Promo	KIMIT TO	Elm

Exhibit "A"





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OFFICE