Form 3160-3 (July 1992)

# P.O. 507 1813

NMOCD-Hobbs

SUBMIT IN TRIPLIC (Other instructions on reverse side) FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

**DEPARTMENT OF THE INTERIO** 

r instructions on everse side)

Grant Description on Expires: February 28

	NM 87268								
	BUREAU OF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
APPL	LICATION FOR	7. UNIT AGREEMENT NAME							
DF	RILL X		_						
b. TYPE OF WELL OIL WELL	GAS			SINGLE X MULTIP	LE 🗍	8. FARM OR LEASE NAME,	WELL NO.		
WELL CONTROL OF COPERATOR	WELL OTHER	<u> </u>	- CHECKERBOARD 24 NO. 2						
MERIDIAN OIL I	NC.	FEDERAL 9. API WELL NO.							
B. ADDRESS AND TELEPHONE		UNASSIGNED							
LOCATION OF WELL (Repo	, Midland, TX 79 ort location clearly and in accord		equireme	915 - 688 -	0943	10. FIELD AND POOL, OR W WEST RED TANK	DELAWARE		
At surface 1980 'FNL & 330	' FWI								
At proposed prod. zone		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA CCC 24 T22C D22C							
SAME AS SURFAC	DIRECTION FROM NEAREST TO	WN OR POST OFFICE*			<del></del> .	SEC. 24, T22S, R32E  12. COUNTY OR PARISH 13. STATE			
28 MILES WEST (	OF EUNICE, NM					LEA	NM		
5. DISTANCE FROM PROPOS LOCATION TO NEAREST PROPERTY OR LEASE LIN				OF ACRES IN LEASE	17. NO. OF TO THIS	ACRES ASSIGNED S WELL			
(Also to nearest drig, unit	t line, if any) 33U		28			40			
<ol> <li>DISTANCE FROM PROPOSI TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS</li> </ol>	LING, COMPLETED,		l	.100°	20. ROTARY	RY OR CABLE TOOLS FADV			
i. ELEVATIONS (Show whet			10	,100	I KOTA	22. APPROX. DATE WORK WILL START*			
733'3747'	<b>(\$15)</b>	)				UPON APPROVAL			
3.		PROPOSED CASING	AND C	EMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO	IGHT PER FOOT SETTING DEPTH			QUANTITY OF CEMENT			
/ 1/2" 2 1/4"	13 3/8"	48#			800 SXS				
2 1/4" 7/8"	8 5/8" 5 1/2"	28#/32# 17#				550 SXS 'C' <u>CIRC.</u> 200 SXS 'H' TOC @4400' +/-			
770	3 1/2	1/π		10,100	1200 3/	OPER, OGRID N			
NO LIVERGOEN CI							J. 264 89		
NO HYDROGEN SU	JLFIDE ATED POTASH AREA			a.	- 16 5 As	PROPERTY NO.	16308		
nor in beordin	TIED TOTASH AREA	•		Article St.	ARIN GAR	POOL CODE	1637		
CONTACT PERSON: DONNA WILLIAMS DONNA WILLIAMS									
	915-688-694	<b>.</b> 3			Milah.	APHNO. 320-C	25-329		
NOTICE OF STAK	KING SUBMITTED O	N DECEMBER	20,	1994.	80 us.	APHNO. 30 C			
				المان مان جورين	7141.	18. M			
					-19T.				
					) .a	. 21041 E			
					Sbar	3,18			
ABOVE SPACE DESCRIB epen directionally, give perti	E PROPOSED PROGRAM: inent data on subsurface location	If proposal is to deep as and measured and t	en, give rue verti	data on present productive zone cal depths. Give blowout preven	and propose nter program,	d new productive zone. If pr	oposal is to drill or		
		<del></del>				•			
	1. ( )		RF	GULATORY ASSISTA	ΔNT	DATE 1/3/95			
SIGNED CTL:		TI	rle ···		WV1	— DAIL			
(This space for Federal or	state office use)					GENERAL R	BOBIECTI (U . Equirements an		
PERMIT NO.	Houla / lega		<del></del>	APPROVAL DATE		COFFE AL OTH	DIII ATIANO		
Application approval sees not CONDITIONS OF APPROVA	warrant or certify that the applicant ho	lds legal or equitable title	to those rip	ghts in the subject lease which would	entitle the applic	ant to conduct operations thereon.	<b>电心工作的 2017 ANY ANY ANY ANY ANY ANY ANY ANY ANY ANY</b>		
CONDITIONAL PERCUVI	nu, n' nu i	/	A.X	45		,			
41	I Sando T			ES MANAGER		1/20/02			
APPROVED BY	Thomas of	*See Instru	E Ctions	On Reverse Side		DATE _//30/47			
Title 18 U.S.C. Section	on 1001, makes it a crime f	or any person know	vingly a	nd willfully to make to any	departmen	t or agency of the United	States any false,		
	Amount of toblesentation	is as to any matter t	viumi IU	o juristiction.		,	Ø		

#### INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14. Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal o State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location cirhole in any present or objective production zone.

ITEM 25 Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

#### NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill or deepen an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

#### BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 30 minutes per response, including the time for Public reporting and management reviewing instructions, gathering and managements regarding the burden estimate or any other aspect of this rotal.

Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 1849 C Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project Washington, D.C. 20503.

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This info<sup>t</sup> mation will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling operation on an oil and gas lease.

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aziec, NM 87410 District IV PO Box 2088, Santa Fc, NM 87504-2088

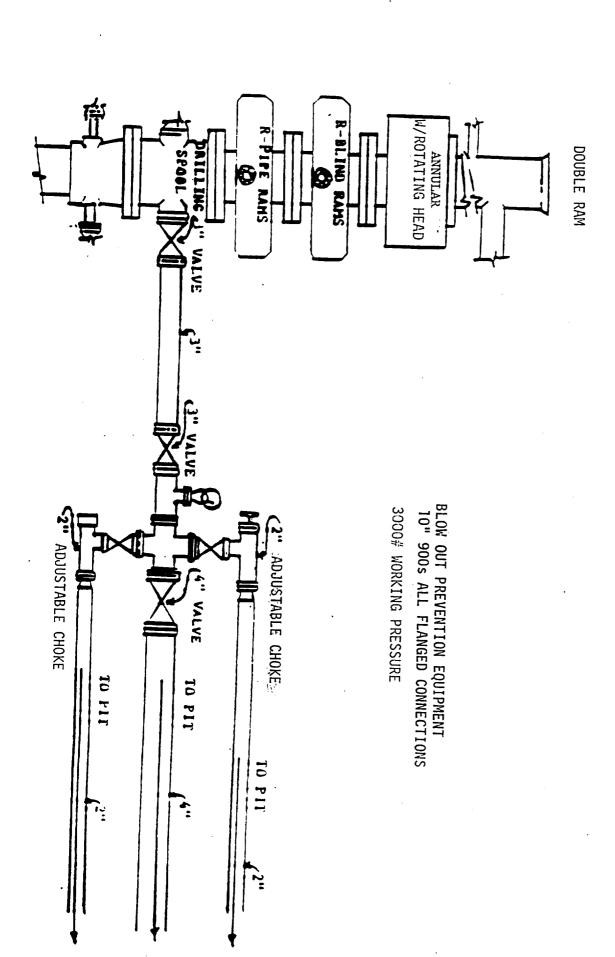
#### State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

32:00	API Numi	32350		<sup>1</sup> Pool Cod		2 Pool Name							
<del>Una</del>	ssigne	ed		5 1639		West Red Tank Del					<b>e</b> ,		
1 Property	Code		5 Property Name							* Well Number			
OGRID	Locality M							ARD "24" FEDERAL 2					
Op.						Perator Name Flevation AN DIL INC.							
		<u> </u>	<del></del>									3747	
UL or lot no.	Section	Township	Range	Lot Ida			Location		<del>,</del>				
Ε	24	1 . 1	35 E		Feet from the		North/South line			East/West line		County	
			·	ttom Hole	•	on I	1 .	$\perp$	330	WES	T	LEA	
UL or lot no.	Section		Range	Lot Idu			Different F						
	as Sur	1 1	Kange	LACTON	Feet from	llie	North/South line		Feet from the	East/West line		County	
12 Dedicated Acre			nsolidatio	on Code 15 Or	der No.		·	$\perp$					
40				·	der ivis.								
NO ALLOW	ABLE V	WILL BE AS	SIGNE	D TO THIS	COMPL	FTIC	N UNTIL ALI	. IN	TEDECTO II	AVE DEE			
	S 89°46'	OK A IN	ON-ST	'ANDARD I	UNIT HA	2 BE	EN APPROVE	D B	Y THE DIVIS	ave bee. Sion	N CON	SOLIDATED	
fnd.	3 69 40	<del>7</del>	fnd.	1	80.	00 ch.		<u>.</u>			TEDT	ICICATION	
Olformonion for	1 1			1	•	1	fnd. 17 OPERATOR CERTIFICA'  I hereby certify that the information contained he					IFICATION	
CHECKERBOARD "24" FEDERAL No. 1						 			true and comp	lete to the bes	t of my ki	nowledge and belief	
Ŷ			j	,		1							
_	986		. !	· [		1.	•		11/				
1320			j			li .		નું					
						<del> </del> -		- 89	Signature	<u> 2000</u>	ب	<u> </u>	
	į		·			1		100		William	s		
1307			į			ł .			Printed Name				
CHECKERBOARD "2			į		•	<b>1</b> 1			Regulatory Assistant			nt	
FEDERAL No. 2	•									1/4/95			
	<u> </u> -					! 		1	Dute				
nd.	į		1		į		fnd.	-]	18SURVE	YOR C	ERTH	FICATION	
	į		-						I hereby certify t	that the well t	ocation si	lown on this plat	
	ļ		1		1				was plotted from me or under my	field notes o	actual si	tryevs made hu	
	į		1		1				and correct to the	e best of my i	ena mai p belief.	le same is true	
	ļ		1		1			*	I	DECEMBER	26, 19	994	
			+	<del></del>				ë o	Date of Survey		E. M.	444	
					į			z	Signature and Sec	al of trotteri	THE NE	K(t)	
	1		1		į				/			3=	
	į			•	ļ					2 2	N8AES	\$ 5	
	į		1	•	1				Wi	131			
L	!		fred.		‡  -				WILL	IA	HNKE	W. Co.	
<del></del>	S 89°47' W	<del></del>	i		80.01	ch.	fnd.	' [	Certificate Numbe	r 8466	ESSION	n to	





OPERATORS NAME:

LEASE NAME AND WELL NO.:

Checkerboard '24' Federal No. 2

1980' FNL & 330' FWL, Sec. 24, T22S, R32E

West Red Tank Delaware

COUNTY:

LEASE NUMBER:

NM 87268

13

The following information is to supplement BLM form 3160-3 Application for permit to drill in accordance with Onshore Oil and Gas Order No. 1:

### 9 - POINT DRILLING PLAN

1. Name and estimated tops of important geologic formation/marker horizons.

<u>FORMATION</u>	<u>DEPTH</u>
Rustler	970'
T/Salt-B/Salt	1100'-4500'
Delaware Sandstone	4850'
Bone Spring, LS/Sandstone	8730'

2. Estimated depths at which the top and bottom of formations potentially containing usable water, oil, gas, or prospectively valuable deposits of other minerals are expected to be encountered and the operator's plans for protecting such resources.

Delaware

4850'-8550' (Oil)

3. The operator's minimum specifications for Blowout Preventer (BOP) and related equipment to be used and schematic diagrams thereof showing sizes, pressure ratings, and the testing procedures and testing frequency. BOP and BOP - related equipment (BOPE) schematics shall include schematics of choke manifold equipment. Accumulator systems and remote controls shall be utilized.

13 5/8" 1.5M psi WP BOP w/rotating head to be installed on the 13 3/8" csg. Test to 750 psi before drilling the 13 3/8" casing shoe.

11" 3M BOP stack to be installed on the 8 5/8" casing. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and a rotating head. Tested to 3000 psi before driling the 8 5/8" casing shoe.

- 4. The proposed casing program including size, grade, weights, type of thread and coupling, and the setting depth of each string and its condition (new or acceptably reconditioned). For exploratory wells, or for wells as otherwise specified by the authorized officer, the operator shall include the minimum design factors for tensions, burst, and collapse that are incorporated into the casing design. In cases where tapered casing strings are utilized, the operator shall also include and/or setting depths of each portion.
  - 17 1/2" hole, 13 3/8" H-40 48# STC csg set @ 850'
  - 12 1/4" hole, 3200' 8 5/8" 28# K-55 BTC, 1400' 8 5/8" 32# K-55 LTC csg @ 4600' \*\*\*\*\*

7 7/8" hole, 9000' 5 1/2" 17# K-55 LTC csg & 1150' 5 1/2" 17# N-80 LTC set @ 10,100'

\*\*\*\* SPECS: 8 5/8" K-55 BTC - ID=8.017", DRIFT=7.892", BURST=3390 PSI, COLLAPSE=1880 PSI, AND TENSION=43700 lbs.

- 5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.
  - a. 13 3/8" csg: Cmt w/600 sxs Class 'C' + 4% gel + 2% CaCl2 + 1/4 pps
    Flocele, tail w/200 sxs Class 'C' + 2% CaCl2 + 1/4 pps Flocele. Circ to surface.
  - b. 8 5/8" csg: Cmt (2 Stages), DV Tool @ +/- 2500'. Stage 1: Lead w/600 sxs Class 'C' + 9 pps salt + 5 pps Gilsonite + 1 pps Econolite + 1/4 pps Flocele, tail w/250 sxs Class 'C' + 2 % CaCl2. Stage 2: Lead w/500 sxs Class 'C' Lite + 9 pps salt + 1/4 pps Flocele, tail w/200 sxs Class 'C' + 2% CaCl2. Circ to surface.



- c. 5 1/2" csg: Cmt first stage w/600 sxs Class 'H' 50/50 Poz + 2% gel + .6% Halad-9 + 3 pps KCL + 1/4 pps Flocele, displace to seal plug. Cmt second statge: 500 sxs Class 'H' Lite + .4% Halad-9. Tail w/100 sxs Class 'H' neat. Bring TOC to +/- 4400'.
- 6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

#### Mud Program:

0-850' fresh water, gel and lime system 850'-4600' Brine, MW 10.0-10.1 4600'-9900' Fresh Water, MW 8.3-8.5 9900'-10,100' FW/Bentonite/Drispac, MW 8.4-8.6

- 7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.
  - a. DST Program: None
  - b. Core: None
  - c. Mud Logging: Two-man unit 4600' to TD.
- d. Logs to be run: LDT/GR/CAL: TD:ICP CR to surface

DIL/SFL/GR: TD-ICP BHC Sonic: TD-ICP

8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter hydrogen sulfide exist, the mitigation procedures shall comply with the provisions of Onshore Oil and Gas Order No. 6.

No abnormal pressures are anticipated. Bottom hole pressures at TD expected to be 4300 psi. Bottom hole temperature 140° F. There is no anticipated Hydrogen Sulfide in this known drilling area

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

Anticipated drilling time expected to be 18 days from surface to TD.

