FROM BUT I COULD WE WIND WITH THE P.O. BOX 8 8

SUBMIT IN 1 JGATE* Form approved.

Budget Bureau No. 1004-0136

Expires: December 31 1001

UNITE	:D :	STATI	ES
DEPARTMENT	OF	THE	INTERIOR

Expires: December 31, 1991 5. LEASE DESIGNATION AND REDIG

	NM 77064 PUF 2								
APP	6. IF INDIAN, ALLOTTER OR TRIBE NAME								
1a. TYPE OF WORK	RILL 🔯	DEEPEN				7. UNIT AGREEMENT NAME			
D. TYPE OF WELL OIL WELL	GAS WELL OTHER			INGLE MULTIP	LE	8. FARM OR LEASE NAME, WELL NO.			
2. NAME OF OPERATOR	WALL CO OTHER		z	ONE ZONE	<u></u>	NAFTA '5' Federal # 1			
Meridian Oil Inc						9. AM WELL NO.			
3. ADDRESS AND TELEPHONE N									
	Midland, Tx 79710-1 (Report location clearly and	in accordance wi	ith any	State requirements.*)		South Sand Dunes/Wildeat			
	1980' FNL & 1980'	^{-EL} //]	l G		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
At proposed prod. 2	one	U	VI (5, T24S, R32E			
14. DISTANCE IN MILES	S AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFIC	YE *		12. COUNTY OR PARISH 13. STATE			
32 1/2 miles	west of Jal, NM					Lea NM			
15. DISTANCE FROM PRO LOCATION TO NEARE	ST		16. N	O. OF ACRES IN LEASE	17. No. 0	OF ACRES ASSIGNED			
	rlg. unit line, if any)	1980'				40			
	DRILLING COMPLETED	1/a 1c+ v=11	19. P	ROPOSED DEPTH	1	RY OR CABLE TOOLS			
OR APPLIED FOR, ON T		n/a 1st well		10,200'	r	otary			
	vhether DF, RT, GR, etc.) 3606					22. APPROX. DATE WORK WILL START* Upon Approval			
23.		PROPOSED CAS	ING AN	D CEMENTING PROGRA	м				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER P	700T	SETTING DEPTH		QUANTITY OF CEMENT			
17 1/2"	13 3/8"	48#		650'	60	00 SXS CIRCULATE			
12 1/4"	8 5/8"	28/32#	 	4650'	18	1850 sxs (tie back)			
7 7/8"	5 1/2"	17#		10,200'	145	0 sxs (tie back)			
	Not in Designated F Not in Hydrogen Sul Not in Prairie Chic Contact Person:	fide Ar@FF.(ken AreaAPIN	DATE O	11/15/2	SON				
signed	rtinent data on subsurface locatio	ns and measured and t	give data	a on present productive zone a al depths. Give blowout prever Regulatory Complian	iter program,	DATE 9/29/95			
(This space for Fed	leral or State office use)			APPROVAL DATE		CONTROL SUBJECT TO USHERAL REQUIREMENTS AND			
Application approval does	a not warrant or certify that the app AL, IF ANY:	olicant holds legal or e	quitable ti	tle to those rights in the subject l	esse which wo	ould entitle the applicant to continue actions then			
APPROVED BY	page page of a surprise of the same of the	F 823 6855M		Re allemance		- 11-13-45			

DISTRICT I

DISTRICT III

P.O. Box 1980, Hobbs, NM 88240

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV PO BOX 2088, SANTA FE, NM 87504-2088

1000 Rio Brazos Rd., Aztedia 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code	Pool Name South Sand Dunes	,
		Well Number
•		Elevation 3606
	Property NAFTA FED Operator	

Surface Location

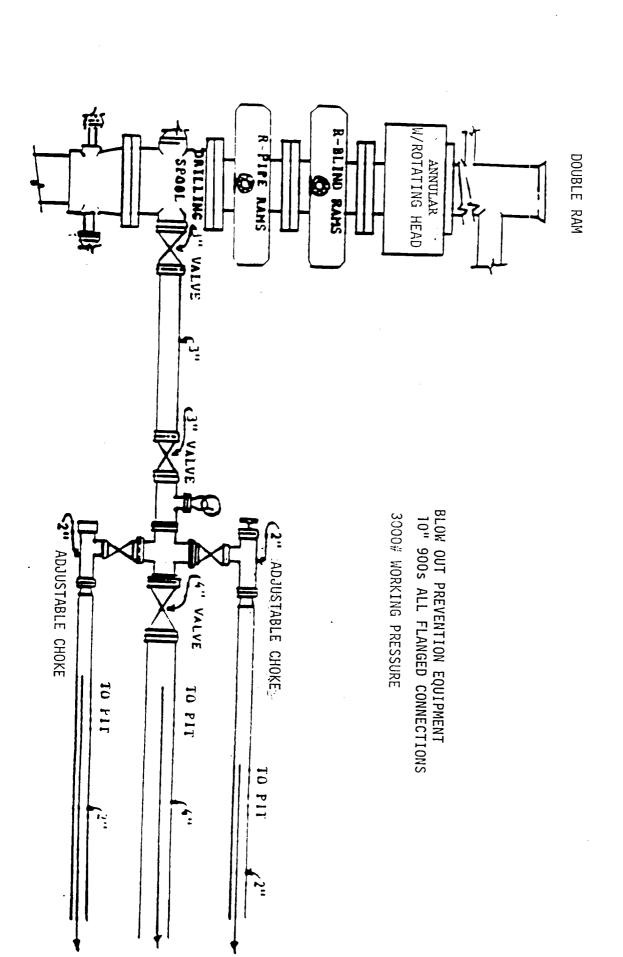
- [UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	5	24 S	32 E		1980	NORTH	1980	EAST	LEA

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
Dedicated Acres	Joint o	r Infill C	Consolidation	Code Ore	der No.				_

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

 	
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
1980	Signature Donna Williams
1980'	Printed Name Regulatory Compliance Title 10/19/95
	SURVEYOR CERTIFICATION 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 supervisone and that the same is true and correct to the best of my belief.
	AUGUST 26, 1995 Date Surveyed Scale of the Processional Surveyor On the Surve
	Certain No. 30 F EIDSON 3239 100 PROFESSION 3239



OPERATORS NAME:	Meridian Oil Inc.
LEASE NAME AND WELL NO.:	NAFTA '5' Federal # 1
LOCATION:	1980'FNL & 1980' FEL, Sec. 5, T24S, R32E
FIELD NAME:	South Sand Dunes
COUNTY:	Lea County, NM
LEASE NUMBER:	NM 77064

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	800'
Salado	1100'
Delaware	4600'

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

4600' (Oil)

Delaware

- 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" csg. shoe.
 - 11" 3M BOP stack to be installed on the 8 5/8" csg. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and a rotating head. Tested to 1500 psi before drilling 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# csg set @ 650'

12 1/4" hole, 8 5/8" 28# K-55, 28#/32# csg set @ 4650' ******

7 7/8" hole, 5 1/2" 17# K-55 csg set @ 10,200'

*****SPECS: 8 5/8" K-55 BTC - ID=8.017", Drift=7.892", Burst =3390 psi, Collapse=1800 psi, and Tension=43,700 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/400 sxs Class 'C' + 4% gel + 2% CaCl2 + 1/4 pps flocele, tail w/200 sxs Class 'C' + 2% CaCl2 + 1/4 pps flocele.
 - b. 8 5/8" csg: Cmt (2 Stages) 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 (2 Stages) Stage 1" Cmt w/600 sxs Class 'H' 50/50 Poz + 2% gel + .6% Halad-9 + 3 pps KCL + 1/4 pps flocele. Stage 2: Cmt w/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:

0-650' fresh water, gel and lime system 650'-4600' Brine, MW 10.0-10.1 ppg 4600'-9900' Fresh water, MW 8.3-8.5 9900'-10,200' 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 4000' to TD.
 - d. Logs to be run: CN-FDC/GR/CAL: TD SCP (CNL/GR to surface & DDL/MSFL/GR: TD-SCP
- 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 20 days from surface to TD.

4