Form 3160-3	- 11 · 1	r	amerije, kariner Ramanik bek
(December 1996)			LIN

SUBMIT IN TR. .CATE•
(Other instructions on

Form approved.
Budget Bureau No. 1004—0136
Emires: December 31, 1001

					Other instruc reverse si		Expires: December 31, 1991			
	5. LEASE DESIGNATION AND SERIAL NO. NM-55953 6. IF INDIAN, ALLOTTER OR TRIBE NAME									
	CATION	FOR PE	RMIT TO DE	RILL OR DE	EPEN		O. IS INDIAN, ALBOTTES	A TEISE RAME		
DR			7. UNIT AGREEMENT NAME							
OIL G	AS C	OTHER		SINGLE XX	MULTIP ZONE	LB [8. FARM OR LEASE NAME, WELL	NO.		
NAME OF OPERATOR							Jack Tank "8	" Fed.		
Meridian	oil In	С.					9. AR WELL NO.	-77		
ADDRESS AND TELEPHONE NO.	z 51810	Midlar	nd, TX 79	710_1010			30-025- 10. FINLD AND POOL, OR	<u>3212</u>		
					ments.*)		Wildcat (Del			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface D, 660' FNL & 660' FWL At proposed prod. zone							11. spc., T., R., M., OR BLE. AND SURVEY OR AREA 8, T24S, R32E			
32½ miles			T TOWN OR POST O	PPICE*			12. COUNTY OR PARISH	-		
DISTANCE FROM PROPO)SED*	or our	1	6. NO. OF ACRES	IN LEASE		OF ACRES ASSIGNED	NM		
PROPERTY OF LEASE (Also to nearest drig	INB, PT.	.n	660'	1,	080	TO T	HIS WELL 40			
DISTANCE PROM PROF TO NEAREST WELL, D	OSED LOCATION		_	9. PROPOSED DEPT	'Н	20. ROTA	RY OR CABLE TOOLS			
OR APPLIED FOR, ON TH	IS LEASE, FT.	IST	well	8850'		Rot	tary			
ELEVATIONS (Show who		IR, etc.) 81'		ight est Our	কুপ _ৰ চিচ	, . 3	22. APPROX. DATE WORK 6-20-93	K WILL START		
		PR	OPOSED CASING	AND CEMENTIN	IG PROGRAI	М				
SIZE OF HOLE	ORADE, SIZE OF	CASING	WEIGHT PER FOOT	SETTING	G DEPTH		QUANTITY OF CEMENT			
7½	(" H-40	48		600		650 sxs/((4) - 1		
$\frac{2\frac{1}{4}}{7/8}$	8 5/8 5⅓ K−		28 & 3 17	2	4400 8750			SEE STIPS.		
								AEDENED AEDENED		
BOVE SPACE DESCRIB en directionally, give perti	E PROPOSED PRO	See Class See Cl	posal is to deepen, giv	e data on present pro	oductive zone :	and proposed	d new productive zone. If proj if any	posal is to drill or		
en directionally, give perti	THE CASE OF SUBSU	TLACE TOCALIONS A	no measured and true	vertical depths. Give	blowout preven	and programs				
8IGNED	<u>.</u>	نص	سبحنيد	Producti	on Ass	istan	t 915-	688-69 4		
(This space for Feder	ral or State offi	ce use)								
PERMIT NO				_ APPROVAL DA	TE			·		
		y that the applica	nt holds legal or equit			ease which w	rould entitle the applicant to cond	uct operations ther		
(ORIC	G. SGD.) RI	CHARD L	. MANUS	AREA MA	MAGER		JUL 1 4 19	93		

*See Instructions On Reverse Side

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

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

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

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

			All Dis	tances must be	from the	outer boundar	ies of the s	ection				
Operator	D. T. A. 32		0		Lease	AOR mas	!! . !!		D D 4 *		Vell No.	
	DIAN O	IL IN	C		J	ACK TAN	IK ''8'	FED:	ERAL	1	1	
Unit Letter	Section		Township		Range				Count	у		
D		8	24	South	3	2 East		NMPN	1	LEA		
Actual Footage L	ocation of Wel	11:										
660	feet from	the	North	line and	6	60		feet from	1 the	West	line	
Ground level Elev	·	Producing	Formation		Pool						edicated Acri	age:
3581		Dela	aware			Wildca	t			İ	40	Acres
2. If m 3. If m	ore than one le	ease is dedic		outline each and	identify the well, have	e ownership the	ereof (both a	is to work	•	•	•	
this for No allo	er is "no" list m if neccessar wable will be	y	and tract descript	ions which have interests have be	actually be	een consolidated				-pooling, o	or otherwise)	
			inating such inter									
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OPERATORS NAME:

LEASE NAME AND WELL NO.:

Dysc. 8 T34S, R32E, 660' FNL & 660' FWL

Wildcat (Delaware)

COUNTY:

LEASE NUMBER:

NM-55953

The following information is to supplement BLM form 3160-3 Application for permit to deepen 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.

Rustler 800' Delaware 4600' Salado 1100'

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 4700' - TD (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.

10" - 3M BOP stack to be installed on the 13 3/8" csg. & left for the remainder of drlg. Tested to 1500 psi before drlg. the 8 5/8" csg shoe. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and an annular BOP.

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.

- a. 171/2" 13 3/8", H-40, 48# csg. set @ 600"
- b. 121/4" 8 5/8", K-55, 28#, 32# csg. set @ 4400'
- c. 7 7/8" 51/2", K-55, 17# csg. set @ 8750'
- 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/650 sxs.
 - b. 8 5/8" csg: Cmt w/2100 sxs.
 - c. 5½" csg.: Cmt w/1100 sxs.
- 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:

```
0-600' fresh water gel & lime
600'-4400' Brine MW - 10-10.1 #/gal.
4400' - 6600' fresh water MW 8.5- 8.7 #/gal.
6600' - 8750' fresh water & polymer 8.6-8.9 #/gal.
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(a.) Length and location of blooie line, including the automatic igniter or continuous pilot light.

Not applicable

(b.) Location of compressor equipment, including safety devices, and the distance from the wellbore.

Not Applicable

(c.) Schematics showing dedustor equipment and rotating head.

Not Applicable

(d.) Amounts, types, and characteristics of stand-by mud and associated circulating equipment.

(d.) Amounts, types, and characteristics of stand-by mud and associated circulating equipment.

Not Applicable

- 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 4500' to TD
 - d. Logs to be run: CNL-SLD/CAL/GR TD 4400'
 DIL/GR TD 4400'
 CNL/GR 4400' surface)
- 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.

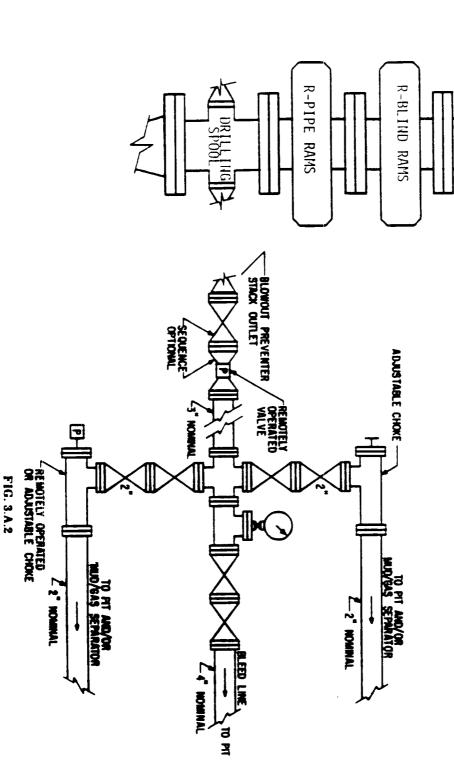
No abnormal pressures are anticipated.

No hydrogen sulfide is expected in known drilling area.

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

Anticipated start date is 6-1-93. Anticipated drilling time expected to be 23 days from surface to TD.

ANNULAR PREVENTER



ATTACHMENT TO FORM C-101

TYPICAL CHOKE MANIFOLD ASSEMBLY FOR 5M RATED WORKING PRESSURE SERVICE — SURFACE INSTALLATION