form- 3160-3 (July 1989) (formerly 9-331C)

7 7/8"

## UNITED STAJES

CONTACT RE NG OF COPIES REQUIRED

NM060-3160-2

210 Other instructions on DEPARTMENT OF THE INTERIOR

DEC						
5. LEASE	DESI	GNAT	ION	AND	SERIAL	NO.

		BUREAU OF LAN	ID MANAG	EMENT			Lo	-02939	3-C
APPLIC	ATION FOR	PERMIT TO	DRILL,	DEEPE	N, OR PLUG	BACK,	6. IF INDIAN; A		
1a. TYPE OF WORK	· · · · · · · · · · · · · · · · · · ·					H	'A 1 11		
	DRILL 🛭	D	EEPEN [		PLUG BAC	к 🗆	7. UNIT AGREEN	MENT NAME	:
b. TYPE OF WELL						_ (	CAR.		v-3
OIL U	GAS WELL 🗷	OTHER		SINGLE ZONE	MULTIP ZONE	re 🗌	8. FARM OR LE	ASE NAME	
2. NAME OF OPERA	ATOR				3a. AREA CODE & P		North :	Shugart	Federal
Meridian C	il Inc. √				915/886-56	70	9. WELL NO.		
3. ADDRESS OF OP					J			1	
21 Desta	Dr., Midland, T	X 79705			_	100	10. FIELD AND	POOL, OR W	ILDCAT
4. LOCATION OF V	VELL (Report location	n clearly and in accor	rdance with	any State requ	irements.*) MAY 23	<del>, '90 🗸 '</del>	Md North S	hugart /	Morrow
At surface	& 760' FEL					Λ (	11. SEC., T., R.		
At proposed p	<del></del>		J H		a. c.	D.	AND SURVEY	OR AREA	
Same	nou. zone		MI		ARTESIA		_		
	HIES AND DIDECTION	FROM NEAREST TOWN	OR DOCT OF		AK HEGHALI.	<b></b>		17, T185	
			OR P051 OF	FICE"			12. COUNTY OR	PARISH 1	3. STATE
	outheast of Lo	oco Hills, NM	···				Eddy		NM
15. DISTANCE FROM LOCATION TO N	/ PROPOSED* IEAREST LEASE LINE, FT.	760'		16. NO. OF A	CRES IN LEASE	17, NO. OF TO THIS	ACRES ASSIGNED		
(Also to neare:	st drlg. unit line, if	any)		3	20 acres	1	320	acres	
18. DISTANCE FROM	PROPOSED LOCATION	V*		19. PROPOSE	D DEPTH	20. ROTAR	Y OR CABLE TOOL	.s	
OR APPLIED FO	OR, ON THIS LEASE, F	T. N.A	١.		12.000'		Rotar	v 0-TD	
21. ELEVATIONS (SI	how Whether DF, RT,	GR, ETC.)		<u>.                                    </u>		1			WILL START *
3659' GR.							15	May 19	90
23.	**	PROPOS	ED CASIN	G AND CEN	MENTING PROGRA	AM .	1 10	May 13	
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	T	ADE	THREAD TYPE	<del></del>	NG DEPTH	OHANTITY	OF CEMENT
17 1/2"	13 3/8"	48	<del></del>	1–40	STC	35111	400'		0 sxCIRCU
12 1/4"	8 5/8"	24 & 32		-55	STC	<del></del>	3500'		35 sxCl?⊖
	1 0 0,0		1 1	55	1 310	1 ,	,,,,,,	13	JJ SK

Drill 17 1/2" hole to 400' and set 13 3/8" csg. Cmt w/420 sx Class C--circulate. Drill 12 1/4" hole to 3500'. Run fluid caliper. Set 8 5/8" csg @3500'. Lead w/1135 sx Pacesetter Lite Premium. Tail w/200 sx Class C-circulate. Drill to 12,000' to test the Morrow. If commercial, run 5 1/2" csg to 12,000'. Cmt 1st Stage w/ 520 sx Super H and 2nd Stage w/1000 sx Super H. Perf. and stimulate Morrow for production. MUD PROGRAM: 0-400' fresh water gel/lime; 400'-3500' saturated brine and sweeps (10 ppg, 160M chlorides); 3500'-9500' cut brine (+30M ppm chlorides); 9500'-11,400' cut brine/Drispac (+30M ppm chlorides); 11,400'-12,000' cut brine/KCI/PAC.

K-55 & N-20

BOP PROGRAM: 13 5/8"-2M annular BOP to be installed on 13 3/8" csg. 11"-3M stack to be installed on 8 5/ 8" & left on for remainder of drilling. Stack to consist of annular BOP, blind ram BOP, and one pipe ram BOP. After setting 8 5/8" csg, test BOP's using an independent tester. Stage collar @9000'

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

5 1/2"

Post ID-1 6-1-90 New Yort API

1520 sx

12,000

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Polith . Brodings	TITLE _	Sr. Staff Env./Reg. Spec.	DATE _	27 April 1990
is space for Federal or State office use)	- Tale			
PERMIT NO.		APPROVAL DATE		
Orig. Signad by Wichard L. Manus APPROVED BY	TITLE _	AREA MANAGER DARISTAD PESOCHOE CACO	DATE _	52190
CONDITIONS OF APPROVAL, IF ANY:				