Form 3160-3; (November 1983) (formerly 9-331C)

## UNITED STATES

SUBMIT IN (Other installations on reverse side) Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						5. LEASE DESIGNATION AND SERIAL NO. MM-069420 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
								1a. TYPE OF WORK
DRII	LL 🔯	DEEPEN		PLUG BA	ACK 🗆	7. UNIT AGREEMENT	NAME	
D. TYPE OF WELL	• —			Or Or	Maria Cara			
	LL OTHER			INGLE XX EN ZONE	THANK ST	S. FARM OR LEASE NA	X B	
	1+ C			1 4 3F		Mest Corbin F	ederal	
Southland Ro	yarry company				<i>(i)</i>	9. WELL NO.		
21 Desta Dri	ve. Midland. T	Texas 79705		DEO		10. FIELD AND POOL,	OP TITLE	
21 Desta Dri	port location clearly at	in accordance wit	th any S	tate requirements.*)	<del></del>	S. Corbin (Wo.		
660' FW	L & 660' FSL,	Sec. 8, T-1	8-S,	R-83-E)(ST		11. SEC., T., R., M., OR AND SURVEY OR A	BI.E	
At proposed prod. zone					49.	1 /		
14. DISTANCE IN MILES AN	ND DIRECTION FROM NE	AREST TOWN OR PORT	T OFFICE	(Solo) 11		Sec. 8, T-18-9	S, R-33-E	
	theast of Mal		. 0777.02	Nev	A Wey	12. COUNTY OR PARISH	1	
10. DISTANCE PROM PROPUS LOCATION TO NEAREST	ED*	dual, Will.	16. No.	. OF ACRES IN LEASE	17. NO. O	Lea F ACRES ASSIGNED	N.M.	
PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  19. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED				960 To T		TO THIS WELL 80		
						ET OR CABLE TOOLS		
OR APPLIED FOR, ON THIS	LEASE, FT.	NA	<u> </u>	11,450'	1	ary		
21. ELEVATIONS (Show wheth 3885 GL	ner DF, KT, GR, etc.)		-			22. APPROX. DATE WO		
3.	<del></del>	<del></del>				15 January 1	1 988 	
· · · · · · · · · · · · · · · · · · ·		PROPOSED CASI	NG AND	CEMENTING PROGR.	A.M			
17 1/2"	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMEN	T	
12 1/4"	13 3/8" 8 5/8"	48# 24#	-	350		/350 sx C1 "C"		
12 1/4	0 3/0	- 241		2900	Circ w	7+1200 sx Lite	2 "C" w/I5	
<b>_</b>		i	1		erio, c	ail in w/200 s	ex ctc	
		1	1	w2% CaCl2				
7 7/8"	5 1/2"	17 & 15.50	1 0#	w2% CaCl2 11,450' 1st	   stage=ci	mt w/+800 sx (	21 "H": 2ne	
7 7/8"	5 1/2"	17 & 15.50	) 0#	11,450' 1st stag	ge-cmt w	mt w/ <u>+</u> 800 sx ( / <u>+</u> 1200 sx Lite	& 100 sx	
·	,			11,450' 1st stag	ge-cmt w	$\frac{1+1200}{1}$ sx Lite	e & 100 sx	
1 17 1/2" hole t	to 350'. Set 1	3 3/8" csg @	a 350	11,450' lst stag C1' '. Cmt w/350 s	ge-cmt w 'H" to b sx Cl "H	$\frac{1+1200}{1+1200}$ sx Litering TOC to 29	& 100 sx	
1 17 1/2" hole t 4" hole to 2900'	to 350'. Set 1	3 3/8" csg @	@ 350 -8 5/8	11,450' 1st stag C1' '. Cmt w/350 s 8" csp @ 2900	ge-cmt w 'H" to b sx C1 "H '. Lead :	/+1200 sx Lite ring TOC to 20 " w/2% CaCl2, w/+1200 sx Lite	e & 100 sx 200'. Circ. Dri	
1 17 1/2" hole t 4" hole to 2900' & 1/4# cello, ta	to 350'. Set 1'. Run fluid cail in w/200 s	3 3/8" csg @ aliper. Set xx C1 "C" w/2	@ 350 8 5/8 2% Cae	11,450' lst stag Cl'' '. Cmt w/350 s 8" csg @ 2900' C12. circ. Dri	ge-cmt w 'H" to b sx C1 "H '. Lead	/±1200 sx Lite ring TOC to 29 " w/2% CaCl2, w/±1200 sx Lite to test Middle	e & 100 sx 200'. Circ. Dril ce "C" w/19	
1 17 1/2" hole t 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. E	to 350'. Set 1 '. Run fluid c ail in w/200 s tal, run 5 1/2 Est TOC @ 2900	3 3/8" csg @ aliper. Set ex C1 "C" w/2 " csg to 11, ". Perf & st	@ 350 8 5/8 2% Ca( ,450' timula	11,450' lst stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffice ate Wolfcamp f	ge-cmt w 'H" to b sx C1 "H '. Lead o l to TD cient vo.	/±1200 sx Lite ring TOC to 29 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring	e & 100 sx 200'. Circ. Drii e "C" w/1: e & Lower above all	
1 17 1/2" hole to 4" hole to 2900'& 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' s	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350-	3 3/8" csg @ aliper. Set ex C1 "C" w/2 " csg to 11, ". Perf & st 2900' brine;	@ 350 8 5/8 2% Ca( ,450' timula	11,450' lst stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut	ge-cmt w 'H" to b sx C1 "H '. Lead ' to TD cient vo. For prode	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction.	e & 100 sx 200'. Circ. Dril e "C" w/19 e & Lower above all	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' so 0-TD cut brine &	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350-	3 3/8" csg @ aliper. Set ex C1 "C" w/2 " csg to 11, ". Perf & st 2900' brine; 9.0-9.2 (Sol	@ 350 8 5/8 2% Ca0 ,450' timula ; 2900	11,450' lst stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less f	ge-cmt w 'H" to b sx C1 "H '. Lead to TD cient vo. For production &	/±1200 sx Lite ring TOC to 20 " w/2% CaCl2, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor	e & 100 sx 200'. Circ. Drille "C" w/1! e & Lower above all	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' so 0-TD cut brine & ROGRAM: 13 5/8"-	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350- Drispac. MW -3M annular BO	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, '. Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst	@ 350 8 5/8 2% Cau ,450' timula ; 2900 Lids r	11,450' 1st stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less to	ge-cmt w 'H" to b sx C1 "H '. Lead o L to TD client vo. For production 5% chan 5%	/±1200 sx Lite ring TOC to 20 " w/2% CaCl2, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36).	e & 100 sx 200'. Circ. Drii e "C" w/1: e & Lower above all	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. FROGRAM: 0-350' s 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on f	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350- a Drispac. MW -3M annular BO	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, '. Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Sta	9 350 8 5/8 2% Cao ,450' timula ; 2900 lids r	11,450' 1st stag C1' '. Cmt w/350 g 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less f d on 13 3/8" co	ge-cmt w 'H" to b ex C1 "H '. Lead of to TD cient vo. For production 5% chan 5% chan 5% chan 1"	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlora w/VIS 32-36). -5M stack to b	e & 100 sx 200'. Circ. Drii e "C" w/1: e & Lower above all	
7 7/8"  1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' so 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test E	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350- a Drispac. MW -3M annular BO	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, '. Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Sta	9 350 8 5/8 2% Cao ,450' timula ; 2900 lids r	11,450' 1st stag C1' '. Cmt w/350 g 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less f d on 13 3/8" co	ge-cmt w 'H" to b ex C1 "H '. Lead of to TD cient vo. For production 5% chan 5% chan 5% chan 1"	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlora w/VIS 32-36). -5M stack to b	e & 100 sx 200'. Circ. Drille "C" w/15 & Lower above all	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' so 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test ENABOVE SPACE DESCRIBE PA	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 Espud mud; 350- Drispac. MW -3M annular BO For remainder BOP's after se	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, "csg to 11, ". Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Statting 8 5/8"	350 8 5/3 2% Cac 450' timula ; 2900 lids r talled ack to	11,450' 1st stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less t d on 13 3/8" c consist of a with an indep	ge-cmt w 'H" to b ex C1 "H '. Lead l to TD cient vo. For prode brine & chan 5% executive condent	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36). -5M stack to b BOP, blind ram tester.	e & 100 sx 200'. Circ. Drille "C" w/19 & Lower above all dides 30,00 e installe BOP, & or	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' & 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test EN ABOVE SPACE DESCRIBE PRODE. If proposal is to dri	to 350'. Set 1'. Run fluid cail in w/200 stal, run 5 1/2 Est TOC @ 2900 Espud mud; 350- Drispac. MW -3M annular BO For remainder BOP's after se	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, "csg to 11, ". Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Statting 8 5/8"	350 8 5/3 2% Cac 450' timula ; 2900 lids r talled ack to	11,450' 1st stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less t d on 13 3/8" c consist of a with an indep	ge-cmt w 'H" to b ex C1 "H '. Lead l to TD cient vo. For prode brine & chan 5% executive condent	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36). -5M stack to b BOP, blind ram tester.	e & 100 sx 200'. Circ. Drille "C" w/19 & Lower above all dides 30,00 e installe BOP, & or	
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1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. FROGRAM: 0-350' so 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test From BOP. Test From If proposal is to driveventer program, if any.	to 350'. Set 1'. Run fluid cail in w/200 sial, run 5 1/2 Est TOC @ 2900 Spud mud; 350- Drispac. MW -3M annular BO For remainder BOP's after se	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, o'. Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Statting 8 5/8" proposal is to deeperating, give pertinent of the color of	350 8 5/8 2% Ca0 450' timula 2900 lids r talled ack to ' csg	11,450' 1st stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less t d on 13 3/8" c consist of a with an indep	ge-cmt w 'H" to b sx C1 "H '. Lead l to TD cient vo. For produ brine & than 5% csg. 11" annular bendent bresent produc ordered	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36)5M stack to b BOP, blind ram tester.  ctive some and proposed and true vertical depths	e & 100 sx 200'. Circ. Drille "C" w/19 & Lower above all dides 30,00 e installe BOP, & or	
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1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. FROGRAM: 0-350' s 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test FINE. If proposal is to deleventer program, if any.	to 350'. Set 1'. Run fluid comil in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350-4 Drispac. MW-3M annular BOF's after se BOP's after se BOPOSED PROGRAM: If Il or deepen directions	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, o'. Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Statting 8 5/8" proposal is to deeperating, give pertinent of the color of	350 8 5/8 2% Ca0 ,450' timula ; 2900 lids r talled ack to' csg	11,450' 1st stag C1' '. Cmt w/350 g 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less f d on 13 3/8" g consist of a with an indep	ge-cmt w 'H" to b sx C1 "H '. Lead l to TD cient vo. For produ brine & than 5% csg. 11" annular bendent bresent produc ordered	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36)5M stack to b BOP, blind ram tester.  ctive some and proposed and true vertical depths	e & 100 sx 200'. Circ. Drille "C" w/19 & Lower above all dides 30,00 e installe BOP, & or	
1 17 1/2" hole to 4" hole to 2900' & 1/4# cello, ta amp. If commerci ective zones. EROGRAM: 0-350' so 0-TD cut brine & ROGRAM: 13 5/8"-5/8" & left on fram BOP. Test ENDER BOP	to 350'. Set 1'. Run fluid comil in w/200 stal, run 5 1/2 Est TOC @ 2900 spud mud; 350-4 Drispac. MW-3M annular BOF's after se BOP's after se BOPOSED PROGRAM: If Il or deepen directions	3 3/8" csg @aliper. Set ex C1 "C" w/2" csg to 11, "csg to 11, ". Perf & st 2900' brine; 9.0-9.2 (Sol P to be inst of drlg. Statting 8 5/8" proposal is to deepe city, give pertinent of the company of th	350 8 5/8 2% Ca0 ,450' timula ; 2900 lids r talled ack to' csg	11,450' 1st stag C1' '. Cmt w/350 s 8" csg @ 2900' C12, circ. Dri . Cmt w/suffic ate Wolfcamp f 0-10,300' cut must be less t d on 13 3/8" co consist of a with an indep	ge-cmt w 'H" to b sx C1 "H '. Lead l to TD cient vo. for produ brine & than 5% csg. 11" annular bendent  resent produc nd measured	/±1200 sx Lite ring TOC to 20 " w/2% CaC12, w/±1200 sx Lit to test Middle lume to bring uction. sweeps (chlor w/VIS 32-36)5M stack to b BOP, blind ram tester.  ctive some and proposed and true vertical depths	e & 100 sx 200'. Circ. Drifte "C" w/15 & Lower above all rides 30,00 e installe BOP, & or new productive Give blowout	