DEPARIMENT OF THE INTERIOR GEOLOGIC SURVEY							1 D. ARANE DENIL VATION AND PENIAL NO.			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR TILUG BACK								NM-7951 C. IF INDIAN, ALTOFFICE UN 31 INE DAME		
JA, TSTEGF WORE								• · · ·		
b. TITEOT WELL						PLUG BA		7. UNIT ALLEEMENT DAME		
A NALL	Y OFERATOR	WELL	071188		HINGLE Zone			S. FARM GR LEASE MAME		
	ECO OIL						0. 7	Leonard Bros.		
			d Donyc	er, Colorado		RECE	∄₩₫	21		
4. 10CATIO AL SUE	N OF WELL (	Report locati	on clearly and	In accurdance with a	80222	antremental )3 [	1978	TO. VIELD AND TOOL OF WILLICAY		
		2180'	FWL and	1980' FNL				Leonard Queen, South		
At pror	word prod. 20	DE.				J、S. GEOLOGI nitやPPS, NEV	ICAL SURI W MEXICO	1		
				EST YOWN ON FUST O	TFICE*	-		Sec 14, T26S, R37E 12. COUNTY ON PARISH 13. STATE		
D. DISTAN	FUINE 1	USLL	irface Use		G. NO. UP A	CRES IN LEASE	1 17 50 7	Lea New Mexico		
AND THAT OR ITANE LINE, FT. (Alwa to uvarent drig, unit line, if any)				.2520			HIS WELL 40			
S. DISTANCE PROM PROFONED LOCATION* TO NEAREST WELL, DESILLING, CONFLETED, . OR AFFEDD FOR, ON THIS LEAST, PT.			1	19. PEOPOSED DEFTR +4000'			KT UR CARLE TUOLS			
"I. EDIVATIONS (Show whether DF, RT, GR, etc.)							ROL	22. ALPEOL PATE WORK WILL START"		
2996.5' GL										
PROPOSED CASING AND CEMENTING PROGRAM										
512K 12-1/4	OF HOLE	- •	5/8"	WEIGHT FER FOOT		TTING DEPTH		QUASTITT OF CEMENT		
7-7/3			1/2"	15.5#		50 <b>0'</b> -400 <b>0'</b>	Suff.	to circulate to surface. to circulate back up into		
		1	-1				surfac	e casing.		
1. T	he geolo	gic name	of this	surface form	nation i	s the Ocal	lalali	me (Miocene).		
ιας. Γ	or ma cion	Tops (E	stimated	)						
	alad <b>o</b> ates				. <del>+</del> . <del>-</del>		ilt Sciblo	ail on one and		
	7 Rivers + 2860 ' Possil							ible oil or gas producer ible oil or gas producer		
	uee <b>n</b> enros <b>e</b>				+	3400 ' Oi	il and g	ja <b>s</b>		
<b>4.</b> R	un 8-5/8	"_OD, K-	55 new ca	asing to +500	brand c	3510 <mark>0</mark> i irculate c	omont +	O CHAFTER D CHI OD		
1.	4. Run 8-5/8" OD, K-55 new casing to +500' and circulate cement to surface. Run 5½" OD, 15.5#, K-55 new casing to T. D. and cement with a sufficient amount to circulate up into surface casing in two stands.									
J. D	5. Blowout preventors: Hydraulic, double ram, 10" One set of rams will be prevented in the									
e	edul Size ul II pipe in Lie noie. (ine set of blind name at all timor raise is a									
. <u>z</u> b	be installed, tested and in working order before drilling below surface and in									
U	be matricatiled ready for use uncli grilling operations are completed. Popled during									
<ul> <li>tests will be recorded in the drillers logs.</li> <li>6. We will use; spud mud = 0-+500'. (8.5 - 9.0 lb. per gallon) Brine gel = 500'-TD. (9.0 - 10.0 lb. per gallon)</li> </ul>										
1	10.0 lb. per gallon)							$W_{H,T,T,T,T,T,T,T,T,T,T,T,T,T,T,T,T,T,T,T$	•	
7. <u>Auxiliary Equipment</u> a. Kelly cock will be in use at all times.								WHILE DRILLING AND TESTING "		
b. Stabbing valve to fit drill pipe will be present on floor at all times										
C. Mud monitoring will be visual, no abnormal pressures are anticipated in this area										
e. Drill string safety valve (s) to fit all pipe in the drill string will be maintained										
UN LIE FIG FIUUT WILLE UTITING ODERATIONS ARE IN BROARESS									i	
L.	8. This well will be pump tested after recovery of any load oil or water. One core will be taken. DIL-GR. CNL-EDC-GR calipert and BHC Sonic logs will be taken.									
Ĺ	<ul> <li>taken. DLL-GR, CNL-FDC-GR caliper; and BHC Sonic logs will be taken. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed.</li> <li>9. No abnormal pressures or temperatures are anticipated. See point #5 for blowout</li> </ul>									
9. 10	o abnorm reventio	at press	ures or	temperatures	are ant	icipated.	See po	pint #5 for blowout		
10. T	he drill	ing of t	his well	will take ap	proxima	tely eight	t davs.	The gas (is, Xxxxxxt)		
u	euicaceu		asu nalur	al bas lomna	nv					
W	Tuless C	enentind	Operation	ons. Immedia	ite noti	ice will he	aniven.	ling in sufficient time to on blowouts, fires, spills		
a	nu_acciu	SULZ IIIA	orving i	ile-inreatent	וחם וחונ	iries or lo	iss of 1	ife Prior approval		
De	e obtaine	a perore	e apprecha	ably changing air work or c	i drilli	ng program	lor com	mencing plugging operations	; <b>.</b>	
ONE. If p	TACK DESCRIPT TOPOSAL IN TO	grill or geel affilier geel	ROGRAM I II Jr en directional	oposal la to deepen 3. give perilecut da	or plug bac' ta on subsu	r, give data on pi rface locations ar	resent jurodu nd jacasured	and true vertical depite. Cire blowood		
-reventer j. 24.	rogram, 11 an	J.	<u></u>				•	- FIRE OILC PIONOR		
AICHED .	1.11	mile	1		Div. P	roduction	Manueler	1-9-1-77		
(۲۵,۱۲	ince for Fede	ral pr Stile	·	Operation				AB AMENDED		
1-X 8 14 17	×0			drilling appr	oval			· +		
		Expire		29-28	ATTROV	АТ. РАТИ		FEB 2 3 1978		
атенота Террити	11 HY	AL, IF ANT :		TITLE_			AC	TING DISTRICT ENGINEER		
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FEB **2** 8 1978

OIL CONSERVATION COMM. HOBBS, N. M