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PARTMENT	OF THE	INTERIO	R	

	DEDADTME	IT OF THE	J MTCDIC	מו	1010100 1	17:17	ب السميد المساد		
DEPARTMENT OF THE INTERIOR  GEOLOGICAL SURVEY							5. LEASE DESIGNATION AND SERIAL NO. NM-70227		
APPLICATIO	V FOR PERMIT	TO DRILL,	DEEPEN	, OR	PLUG Į	BACK	6. IF INDIAN, ALEOTTE	E OR TRIBE NAME	
la. TYPE OF WORK  DR  b. TYPE OF WELL	ILL 🛚	DEEPEN		PI	LUG BA	ск 🗆	7. UNIT AGREEMENT P	IAME	
on G	AS OTHER		SINGL	E XX	MULTI ZONE	PLE	S. FARM OR LEASE NA	ME	
2. NAME OF OPERATOR							McDonald Federal		
Highland P	roduction Comp	any					9. WELL NO.		
3. ADDRESS OF OPERATOR	1								
810 North Dixie, Suite 202, Odessa, Texas 79761							10. FIELD AND POOL, CR WILDCAT		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)  At surface \$90' FEL and 2310' FSL							East Mason (Delaware)  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone 290' FEL and 2310' FSL						Section 21, T-26-S, R-32-E			
14. DISTANCE IN MILES			T OFFICE*				12. COUNTY OR PARISE	1	
	al, New Mexico	) 					Lea	New Mexico	
	T LINE, FT. g. unit line, if any)		16. No. o	F ACRES 1	N LEASE		OF ACRES ASSIGNED THIS WELL 40		
	RILLING, COMPLETED,		19. PROPO	SED DEPT	н	20. кот.	ARY OR CABLE TOOLS		
OR APPLIED FOR, ON THIS LEASE, FT.			4700 Ro			Rot	tary and Cable Tools		
21. ELEVATIONS (Show wh							22. APPROX. DATE W		
3145.5 G	R						August 2	22, 1989	
		PROPOSED CASI	NG AND C	EMENTI:	NG PROGE	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	TOOT	SETTING	DEPTH		QUANTITY OF CEMENT		
12½"	8 5/8"	24#	(১১১)	(SPS) 1,000'			5 SX Class C <u>Circulate</u>		
7 7/8"	5½"	·1.05#•	15.5#	4,60	00'	1,200	) SX HLC/W Clas	ss C <u>Circula</u> t	
Additional In							A TOP S	552	
<ol> <li>Surface f</li> <li>Estimated</li> </ol>	formation is To	ertiary with	some⊓1 ~ oso	riassi	c expo	sea 1 no	00', Base Salt	1 2001	
Z. ESTIMATED	,000', Lamar	ops: Kustre	Dela	, Au	iyarite 'on - 4	3001	00 , base sait	- 1,300.	
							l to 3,000 psi	full closi	
			-	_			n is attached.		
	n installation					u_ug_u	a 15 accaemea.	100011118	
					ſud, l,	000-4,5	500' - Brine Wa	ater	
	will encounter					ŕ			
	will encounte				-				
7. Logging F	rogram: Acous	stic velocit	y gamma	ray c	aliper	log:	FoRxo guard 10	og.	
8. No coring	or drill ster	m testing.							
9. No abnorm	al pressures o	or temperatu	res are	exped	ted to	be end	countered.		
10. Anticipat	ed starting d	ate is Augus	t 22, 1	989					
IN ABOVE SPACE DESCRIB	e proposed program/ drill or deepen drycy	or proposal is to de-	epen or plug it data on s	back, gjy	re data on · locations :	present pro	ductive zone and propos d and true vertical dept	ed new productive	
reventer program. If a	sy. ' //s,	/							
SIGNED	Dis Milli		TLE Pr	esider	nt		DATE July	y 24, 1989	
Markin	P C CONTINA						DATE	,	

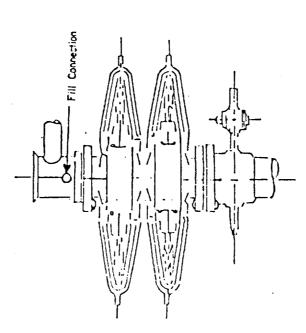
Marvin F. Smith (This space for Federal or State office use) PERMIT NO. \_ APPROVAL DATE \_ AREA CONTRIBET APPROVED BY CASE. STOLEC BY FORMER L. Magnes CONDITIONS OF APPROVAL, IF ANY! CARLSMAN RESPERTE TITLE \_

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

## P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

Revised 10-1-78 All distances must be from the outer boundaries of the Section. Legse Well No. Highland Production McDonald Federal Unil Letter Section Range Township County 26 South 32 East Lea Actual Pastage Location of Well; SOS 2310 **9**90 feet from the South line and feet from the East line Ground Level Elev. Producing Formation Pool Dedicated Acreage: 3145.5 Delaware East Mason 40 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation \_ Yes No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division. CERTIFICATION I hereby certify that the information conherein is true and complete to the knowledge and belief <u>Marvin L</u> Smith Position Company Highland Production Company July 24, 1989 290 I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervision, and that the same Is true and correct to the best of my knowledge and belief. Date Surveyed 6-19-1989 Registered Professional Engineer and/or Land Surveyor Truman Gaskin Certificate No. 2126 2000 1500 1000 800



Shaffer Type E Series 900 Hydraulic B.O.P.

3000 PSI WORKING PRESSURE PLOWOUT PREVENTER HOOK-UP

Series 900 Nanges, or Bener.

riote: B.O.P system will meet the conditions of drilling approval required by the USGS District Office in Hobbs, New Mexico.

Highland Production Company McDonald Federal Well No. 1 Application to Drill

ASE ROTARY TABLE

Highland Production Company McDonald Federal Well No. 1 Application to Drill

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