SUBMIT IN TRIPLICATE*

Form approved, Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30 - 045 - 227835. Lease designation and serial no.

NOO-C-14-20-4119
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK	RILL 🛛	DEEPEN [PL	JG BACK		7. UNIT AGREEMENT NA	ME	
b. TYPE OF WELL	CAS [Y]	\$t	· sinc		MULTIPLE	\neg	S. FARM OR LEASE NAM		
2. NAME OF OPERATOR	WELL X OTHER		ZONI		ZONE		-		
	ources, Inc.		Merland Renaissance Nava						
3 ADDRESS OF OPERATO	R	Live				· ·	1		
402 Fina Bl	dg., 736 8th A	T2PI	HO. FIELD AND POOL, OF	WILDCAT					
4. LOCATION OF WELL At surface	(Report location clearly a	nd in accordance wit	h any Sta	te requireme	nts.*)		P	1 sylvania	
1600' FSL & 1540' FWL At proposed prod. zone same							Sec 29 - 31N - 18W		
	s and direction from M rthwest of Ship						12. COUNTY OR PARISH San Juan	13. STATE New Mexico	
13. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE							F ACRES ASSIGNED		
LOCATION TO NEAR! PROPERTY OR LEAS!	LINE, FT.	1540	2534			10 11	160		
18. DISTANCE FROM PROPOSED LOCATION*			19. PROPOSED DEPTH 20. RC			O. ROTAL	ARY OR CABLE TOOLS		
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NONE			6950				rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)							22, APPROX. DATE WORK WILL START*		
4889 GL		11-1-77							
23. PROPOSED CASING AND CEMENTING PROGRAM									
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	00т	SETTING D			QUANTITY OF CEMENT		
17"	13 3/8	48#		125			acks class "A" + 2% CaCl-2		
11"	8 5/8	24#	_	2700			acks 65-35 Poz + 4% gel +		
7 7/8	4 1/2	10.5 & 11	.6	6950	, ,		r sack floce] followed by 200 sacks, class "B"		
48# H-40 ca 900 hydruli surface cas 11" hole to W0C 18 hour No cores wi will be dri from 5500 tand 35-60 will be rur non-commerce Gas from le See reverse IN ABOVE SPACE DESCRE zone. If proposal is in preventer program, if	D. Cook deral or State office use)	id cement as ling head. e tested dail was 5/8" 24.8" hole to to lo abnormal per mud to 550 characteristic reaching To vill be run abe plugged ar cated.	indic BOP t ly to .0# K- otal d oressu Oo'. ic of O open and ce nd aba ion to be or plu idata on	ated about the state of the sta	ove. Wo essure t sound me ng at 27 50. DST emperatu nem mud 5# per g ogs cons as above in accor	C 12 ested chani 00' a will res a syste allon istin if c dance	hours. Instal prior to dril cal operations nd cement as a be taken as wre expected. m will be empl, 10.0 cc wate g of DILL, GR-ommercial. If with U.S.G.S.	l 10" series ling out . Drill bove. arranted. Well oyed r loss FDC-CNL well is specificati	
()	vaj	*See Instru	ctions C)n Reverse	Side		erote nine;		

Instructions

proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either be submitted, particularly with regard to local, area, or regional procedures and practices, either are abown below or will be issued by, or may Any necessary special instructions concerning State agency, or both, pursuant to applicable Federal and/or State laws and regulations. be obtained from, the local Federal and/or State office. General: This form is designed for submitting

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, saow-ing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started

U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

timated

	,
Greenhorn	980
Dakota 6	1145
Todilto	2330
Entrada	2340
Chinle	3050
Cutler	4390
Hermosa	58 10
Ismay	6560
Desert Creek	6800

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Operator Well No. Merland Resources, Inc. Merland Renaissance Navajo 1 Section Unit Letter Township Range Coun:y 29 31.N 18W San Juan Actual Footage Location of Well: 1600 South 1540 feet from the West line and feet from the Ground Level Elev. Producing Formation Dedicated Acreage: Wildcat Desert Creck 4889 enrice Wirician 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? Yes If answer is "yes," type of consolidation ___ 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to th est of my knowledge, and belief Jack D. Cook Position Agent Company Merland Resources, Inc. October 27, 1977 Sec 29 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same 1540 is true and correct to the best of my knowledge and belief. Date Surveyed October 10, 1977 Registered Professional Engineer Fred B. Kerr Jr. Certificate No. 330 660 .90 1320 1650 1980 2310 2000

1000

50Q