SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30-045-24447
5. LEASE DESIGNATION AND SERIAL NO.

UNITE				
DEPARTMENT	OF	THE	INTERIO	ЭR

GEOLOGICAL SURVEY

SF-065557

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION	I FOR PERMIT	TO DRILL, I	DEEP	EN, OR PLUG E	BACK	6. IF INDIAN, ALLOTT	EE OR TRIBE NAME	
la. TIPE OF WORK DRI	LL 🛛	DEEPEN [PLUG BA	CK 🗆	7. UNIT AGREEMENT	NAME	
b. TYPE OF WELL						į.		
OIL GA	ELL X OTHER			ONE X MULTIP		S. FARM OR LEASE N.	AME	
NAME OF OPERATOR						Federal PRI		
Southland Roya	lty Company					9. WELL NO.	· · · · · · · ·	
. ADDRESS OF OPERATOR						#lE		
P. O. Drawer 5	70, Farmington	, NM 87401				10. FIELD AND POOL,	OR WILDCAT	
LOCATION OF WELL (Re	port location clearly and	in accordance wit	h any	State requirements.*)		Basin Dakota	<u> </u>	
1750' FNL & 10	45' FEL					11. SEC., T., R., M., OR - AND SURVEY OR	BLK.	
At proposed prod. zone	•					·		
					-	Section 11,	T29N, Rl2W	
4. DISTANCE IN MILES A	ND DIRECTION FROM NEA	REST TOWN OR POS	T OFFIC	E.		12. COUNTY OR PARIS	H 13. STATE	
Approximately	4 1/2 miles no	orthwest of	Blo	omfield, NM		San Juan	New Mexico	
5. DISTANCE FROM PROPO				O. OF ACRES IN LEASE		F ACRES ASSIGNED		
LOCATION TO NEAREST PROPERTY OR LEASE L		1045'		480	10 1	320 TARY OR CABLE TOOLS		
(Also to nearest drig 8. DISTANCE FROM PROPO	. uuit ime, n any;		19. P	ROPOSED DEPTH	20. BOTA			
TO NEAREST WELL, DE OR APPLIED FOR, ON THE	ILLING. COMPLETED.	1000'		6581'				
21. ELEVATIONS (Show whe		1000	<u>!</u>	020T	<u> </u>	Rotary 22. APPROX. DATE W	ORK WILL START*	
	user Dr., Mr., Cas, Cas,					September 1	5 1980	
5767' GR 3.						l pehreuner 1	J, 1900	
···	1	PROPOSED CASIN	NG AN	D CEMENTING PROGRA	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OOT	SETTING DEPTH		QUANTITY OF CEMI	TM1	
12 1/4"	8 5/8"	24#		200'	140 s	acks		
7 7/8"	4 1/2"	10.5#				acks - Stage	1	
	······································					acks - Stage		
				1	1	acks - Stage		
It is anticipa: No abnormal pro It is expected on time require Gas: is dedicate	d will be used ted that an IES essures or pois that this welled for approvaled. PROPOSED PROGRAM: If Itill or deepen directions	to drill from the sand GR-Dericonous gases will be drill be drill, rig avail	rom s nsity s are rille labi	surface to Total y log will be ru e anticipated in ed before Decemb lity and the wea	un at Ton this per 31, ather.	otal Depth. well. 1980. This UL 14 1980 CON. COM. COM. proper	depends	
e sample			,	District Engine	~~	/_1	8–80	
SIGNED	<u>. زيم در </u>	TIT	LE	TOUTCE ENGINE		DATE		
(This space for Feder	al or State office use)							
PERMIT NO.				APPROVAL DATE		APPROVE	D	
						AS AMEND)ED	
APPROVED BY			LE			DATE		
CONDITIONS OF APPROVA	L, IF ANY :					0 1111 1 (110	80	
			N	IMOCO		wolls	ie /	
	D	RILLING OPERATI	IONS A	UTHORIZED ARE		JAMES F. SIN	15	
ok 3 ml	S	UBJECT TO COMP	LIANC	E WITH ATTACHED	10	DISTRICT ENGIN	IEER	

"GENERAL REQUIREMENTS"

STATE OF NEW MEXICO EHERGY ALD MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

P. O. UOX 2088

·		All distances must be fro	·m the cuter liou	nderline el 1	he Seetim	······································	
Operator			Lease				Well No.
SOUTHLAND ROYALTY COMPANY			FEDERAL PRI				1-E
	Section	Township	Range		County	•	
н	11	29N	12W	•	San	Juan	
Actual Footage Loca	tion of Well:	 			· · · · · · · · · · · · · · · · · · ·		
1750	feet from the	North line and	1045	(aa)	from the	East	line
Ground Level Elev.	Producing For	22176	Pool	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110111 1110		Dedicated Acreage:
5767	Dakot		Basin I	akota			320 Acres
			L				
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli- 							
dated by co		nitization, force-pooli nswer is "yes," type o		n			
If answer is this form if No allowable	"no," list the necessary.) e will be assign	owners and tract desc	riptions which	have act	onsolidat	ed (by com	munitization, unitization, approved by the Commis-
							CERTIFICATION
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1	i				- 11	Southlar	nd Royalty Company
	ł		!			Date	
Ì	l Sec	•	į.			April 18	3, 1980
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	1		SF-9655	 57	\prod		•
}		11	72		-	1 hereby	certify that the well location
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SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

Federal PRI #1E 1750' FNL & 1045' FEL Section 11, T29N, R12W San Juan County, New Mexico

Field: Basin Dakota <u>Elevation</u>: 5767' GR

Geology:

Formation Tops: Ojo Alamo 476' Graneros 6341'
Pictured Cliffs 1871' Dakota 6410'
Cliff House 3459' Total Depth 6581'
Gallup 5485'
Greenhorn 6232'

Logging Program: IES and GR-Density at Total Depth.

Drilling:

Contractor:

Tool Pusher:

SRC Representative:

SRC Answering Service: 325-1841

Dispatch Number: 325-7391

Mud Program: Fresh water mud from surface to Total Depth.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & (Grade
	12 1/4"	200'	8 5/8"	24#	K-55
	7 7/8"	6581'	4 1/2"	10.5#	K-55

Float Equipment:

8 5/8" Surface Casing: Pathfinder type "A" guide shoe.

4 1/2" Production Casing: Pathfinder type "A" guide shoe. Self-fill flapper type float collar run one joint above shoe. Five Pathfinder bow-type centralizers (run every other joint above shoe). Run Dowell stage tools at 1980' and 4550' with one cement basket below and five

centralizers above each tool.

Wellhead Equipment: 8 5/8" X 10" 2000 psi casing head with 4 1/2" slips 10" 2000 X 6" 2000 tubing head with 2 3/8" EUE hanger

Cementing:

8 5/8" Surface Casing: 140 sacks (165 cu. ft.) of Class "B" with 1/4#

gel flake per sack and 3% CaCl₂. WOC for 12 hours. Test to 600# prior to drilling out. (Volume is

100% excess.)

4 1/2" Production Casing:

STAGE ONE

170 sacks (253 cu. ft.) of 50/50 Poz with 6% gel & 1/4# gel flake per sack followed by 50 sacks of neat with 2% CaCl₂. (Volume is 25% excess to cover

top of Gallup.)

STAGE TWO

252 sacks (373 cu. ft.) of 50/50 Poz with 6% gel. (Volume is 50% excess to cover top of Cliff House.)

STAGE THREE

347 sacks (514 cu. ft.) of 50/50 Poz with 6% gel. (Volume is 50% excess to cover top of the Ojo Alamo.)

WOC and circulate between stages as required by well conditions.

L. O. Van Ryan District Production Manager



April 18, 1980

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

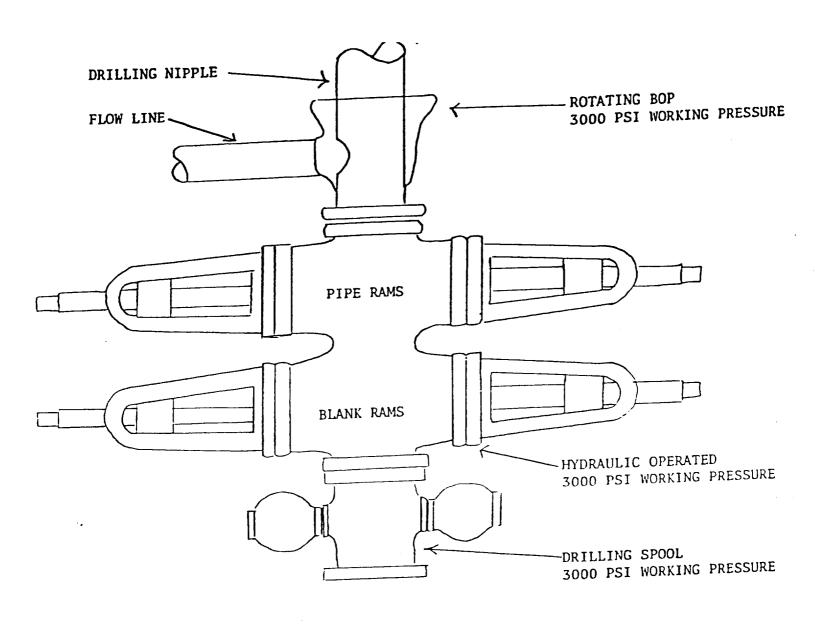
The preventer is 3000# working pressure and 6000# test pressure. All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

Curtis C. Parsons District Engineer

CCP/ke

Southland Royalty Company Federal PRI #1E 1750' FNL & 1045' FEL Section 11, T29N, R12W San Juan County, New Mexico



PREVENTERS AND SPOOLS ARE TO HAVE THROUGH BORE OF 6" - 3000 PSI OR LARGER



April 18, 1980

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Federal PRI #1E well.

The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

There will be no camps or airstrips.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks.

Water supply will be ____the San Juan River_____.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

Curtis C. Parsons District Engineer

CCP/ke



April 18, 1980

United States Geological Survey Mr. James Sims P. O. Box 595 Farmington, NM 87401

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date:

L. O. Van Ryan District Production Manager

LOVR/ke