SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

3	つ-	1773	ر منه	- 53 -	(0)
í.	LEASE	DESIGNAT	ION AND	SERIAL	NO.

5. LEASE DESIGNATION	AND	SERIAL	NO.
SF-078487			
6. IF INDIAN, ALLOTTER	e or	TRIBE N	AME

1a. TYPE OF WORK	DRILL XX	DEEPEN 🗌	PLU	G BAC	к 🗆	7. UNIT AGREEMENT N	AME
b. TYPE OF WELL	TYPE OF WELL				re 🗀	S. FARM OR LEASE NAME	
WELL L	GAS WELL XX OTHER		ZONE XX	ZONE			o 6.
Sc	outhland Royalty	Company				Hill 9. WELL NO.	
3. ADDRESS OF OPER		<u> </u>				#5	• 🕳 •
P	. O. Drawer 570,	Farmington, Ne	w Mexico	<u> </u>		10. FIELD AND FOOL, O	R WILDCAT
4. LOCATION OF WEL	L (Report location clearly a	nd in accordance with an	ny State requiremen	ts.*)		Blanco Pictur	
<i>/3</i> 8!	50' FNL & 1510' F	EL				11. SEC., T., E., M., OR I AND SURVEY OR AR	BLK. REA
At proposed prod	l. zone					C4: 10 T	220N DOM
14. DISTANCE IN MI	ILES AND DIRECTION FROM N	CAREST TOWN OR POST OF	FICE*			Section 10, T	29N, KSW 113. STATE
3.0	O miles east of E	larco New Mex	ico			San Juan	New Mexico
15. DISTANCE FROM LOCATION TO NE	PROPOSED*		NO. OF ACRES IN I	EASE		F ACRES ASSIGNED	1 Hew Hextine
PROPERTY OR LE					TO THIS WELL.		
18. DISTANCE FROM	PROPOSED LOCATION*	19	PROPOSED DEPTH		20. ROTAL	IY OR CABLE TOOLS	
OR APPLIED FOR, O	LL, DRILLING, COMPLETED, ON THIS LEASE, FT.		3159'			Rotary	
21. ELEVATIONS (Shor	w whether DF, RT, GR, etc.)					22. APPROX. DATE WO	RK WILL START*
63	287'		•			January 15, 1979	
23.		PROPOSED CASING	AND CEMENTING	PROGRA	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DE	РТН		QUANTITY OF CEMENT	
12-1/4"	8-5/8"	24#	24# 120'			99 cu. ft.	
6-3/4"	2-7/8"	6.5#	3159'			333 cu. ft.	
It is ant No abnorm It is exp	ter mud will be undicipated that an inal pressures or pected that this time required for edicated.	IES and a Gamr poisonous gases well will be da	na Ray Densi s are antici rilled befor	ty log pated	g will in thi	be run at tota s well. 1979. This do	-
	CRIRE PROPOSED PROGRAM: I s to drill or deepen directio			ata on pr	esent produ	ictive zone and proposed	d new productive
preventer program,		nany, give pertinent dat	a on substitute 100	a civers at li	u measured	and true vertical depth	
8IGNED	Stan Ke	D.	istrict Prod	uction	n Manag	ger Decemb	ber 12, 1978
(This space for	Federal or State office use)						
PERMIT NO.			APPROVAL DATE _				
APPROVED BY		TITLE _				DATE	

ok Frank

CONDITIONS OF APPROVAL, IF ANY :

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. SCUTHLAND ROYALTY COMPAN HILL Unit Letter Section Township Range County 29N San Juan Actual Foctage Location of Well: feet from the North 1510 line and line Ground Level Elev. Producing Formation Dedicated Acreage: 6287 Blanco 2 Pictured Cliffs 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 _ 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 Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the 1510' best of my knowledge and belief. Position District Production Mánager Company Southland Royalty Company Date Sec December 12, 1978 10 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 is true and correct to the best of my knowledge and belief. Certificate No. 1320 1650 1980 2310 2640 2000 1000 500

DRILLING SCHEDULE - HILL #5

Location:

850' FNL & 1510' FEL, Section 10, T29N, R8W

San Juan County, New Mexico

Field

Blanco Pictured Cliffs

Elevation: 6287' GR

Geology:

Formation Tops:

Ojo Alamo 2069' Fruitland 2659' Pictured Cliffs 2979' Total depth 3159'

Logging Program:

IES and GR-Density at total depth.

Coring Program :

None

Natural Gauges:

None

Drilling

Contractor:

Tool Pusher:

SRC Answering Service: 325-184]

SRC Representative:

Dispatch Number: 325-7391

Mud Program:

Fresh water mud from surface to total depth.

Materials

Casing Program:	Holc Size	Depth	Casing Size	Wt.	& Grade
	12-1/4"	120'	8-5/8"	24#	K-55
	6-3/4"	3159'	2-7/8"	6.5#	K-55

Cementing

8-5/8" Surface Casing:

 $\frac{99}{\text{flake per sx and }}\frac{85}{3\%}\frac{\text{sxs}}{\text{CaCl}_2}.$ (100% excess)

2-7/8" Production Casing:

333 cu. ft. (185 sxs) of 50/50 Class "B" Poz with 6% gel mixed with 7.2 gals water per sx to weigh 12.85 ppg. Tail in with 50 sxs Class "B" with 2% CaCl₂. If lost circulation occurs add 1/4 cu. ft. fine gilsonite per sack. (50% excess to cober Ojo Alamo)



December 12, 1978

United States Geological Survey P. O. Box 959 Farmington, New Mexico

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Southland Royalty Company's Hill #5 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.

Contractor will furnish restroom facilities on location.

There will be no air strips or camps.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

Water supply will be the <u>Blanco Ditch</u>. All water will be transported by truck and stored on location.

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

Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan

District Production Manager

LOVR/dg



United States Geological Survey P. O. Box 959 Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

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 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: December 12, 1978 Name: C. Fallon

Title: District Engineer



December 12, 1978

United States Geological Survey P. O. Box 959 Farmington, New Mexico

Attention: Mr. P. T. McGrath

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 8" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test.

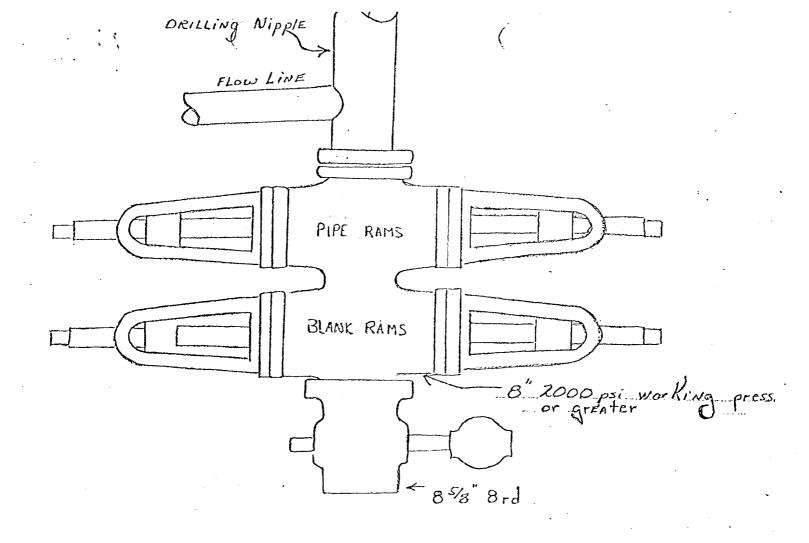
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly

L. O. Van Ryan

District Production Manager

LOVR/dg



Preventers and spools are to have through bore of 8" - 2000# or larger.

Hoviz: 1", 100' 0.0, C-C ັບ . Reserve B. C50 1001 8 SCALE: 1"= 50' , Y-Y 18-81 Yerti 1"= 40" 6280 6280 6290 6250 6275 6270

KERR LAND SURVEYING Date: 11-16-78

SOUTHIAND ROYALTY CO. #5 HILL 850'FFL Sec 10-T29N-R8W San Juan County, New Mexico

