SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

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	یج		-05				/
1 '). LE	ASE DE	SIGNATIO	N AND	SERI	AL NO.	•

UNIT		JIMI	L, J	
DEPARTMENT	OF	THE	INTERI	OR

		SICAL SURV				SF-078		
APPLICATION	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
1a. TYPE OF WORK DRII b. TYPE OF WELL	LL 🛛	DEEPEN		PLUG BA	ACK □	7. UNIT AG	REEMENT NAME	<u> </u>
	S CLL Y OTHER			NGLE MULT	TIPLE	8. FARM OF	LEASE NAME	
2. NAME OF OPERATOR Southland Roy		Hill 9. Well No.						
3. ADDRESS OF OPERATOR						#4		
	570, Farmingtor						AND POOL, OR WIL	DCAT
4. LOCATION OF WELL (Re At surface 790 FSL At proposed prod. zone	. & 1700' FWL	in accordance wi	th any S	tate requirements.*)		11. SEC., T.	Pictured , B., M., OR BLK. URVEY OR AREA	Cliffs
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE	<u>r</u> *		Section 12. COUNTY	on 4 , $T29N$.	, RSW
10 miles east 15. distance from propo- LOCATION TO NEAREST PROPERTY OR LEASE LI	of Blanco, Nev			O. OF ACRES IN LEASE		San Ji		w Mexico
(Also to nearest drlg. 18. DISTANCE FROM PROPO TO NEAREST WELL, DR	SED LOCATION*		1			20. BOTARY OR CABLE TOOLS ROtary		
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show whe			!	3299'			22. APPROX. DATE WORK WILL START*	
6417' GR	and 21, 212, 413, 603,					1	ry 15, 1979	
23.	P	ROPOSED CASI	NG ANI	CEMENTING PROG	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	TOOT	SETTING DEPTH			TY OF CEMENT	
12-1/4'' 6-3/4''	8-5/8'' 2-7/8''	6.5#	120' 3299'		99	99 cu. ft. 336 cu. ft.		
It is anticip No abnormal p It is expecte on time Gas is dedica		ES and a Gisonous gall will be	amma ses a dril rig a	Ray Density 16 re anticipated led before Apvailability a	og will d in thi ril 15 nd 191 GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL	be run is well. 1970. Wather.	DEC 18 OIL CON. DIST	ds 1978 COM.
IN ABOVE SPACE DESCRIBE zone. If proposal is to o preventer program, if any 24.	Irill or deepen directiona	lly, give pertinen	it data o	on subsurface locations	and measure	ed and true vo	December	ive blowout
(This space for Feder	al or State office use)							
PERMIT NO.				APPROVAL DATE				
APPROVED BYCONDITIONS OF APPROVE	AL, IF ANY;	ті	TLE		·	DAT	Е	

ok Frank

NMOCC

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	· · · · · · · · · · · · · · · · · · ·		Lease	idaries of the Sec		10.33.55			
SOUTHLAND ROYALTY COMPANY			HILL		•	Well No.			
Unit Letter Section Township			Range	Count	· · · · · · · · · · · · · · · · · · ·	4			
N	14	29N	8W		San Juan	_			
Actual Footage Loc	ation of Well:	<u> </u>			Dan Guari				
790		South line a	1700	feet from t	he West	line			
Ground Level Elev. 6417	Producing For		Pool	1		Dedicated Acreage:			
		d Cliffs	Blan			160 Acres			
1. Outline th	e acreage dedica	ted to the subject	well by colored	pencil or hach	ure marks on the	plat below.			
 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). 									
3. If more the dated by c	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	☐ No If an	nswer is "yes," type	of consolidation	n					
TĖ -	*= 4699 1*1	1				•			
II answer	is "no;' list the f necessary.)	owners and tract de	scriptions which	have actually	been consolidat	ed. (Use reverse side of			
	•	ad to the well notil	11 :	. 1	11 . 1 /1				
forced-non	ling. or otherwise)	or until a non-stand	ard unit elimina	ting such into	luated (by comm	unitization, unitization, approved by the Commis-			
sion.		or until a non-stand	ara anit, erimina	ting such inter	resis, nas been a	ipproved by the Commis-			
· · · · · · · · · · · · · · · · · · ·				····					
	! 		1			CERTIFICATION			
			!		11				
	i					rtify that the information con-			
	i		!		2 1	in is true and complete to the			
	1		i		Desi of my	knowledge and belief.			
	1		} !		.				
	+	+	 	, <i>-</i> , <i>-</i>	Nome				
	1		i		Position	Him Chin			
	1		1		<u> </u>	Production Manager			
	l İ		1		Company Southland	l Royalty Company			
	!		! "		Date	a Royaley Company			
	Se	c	A STATE OF THE STA		December	12, 1978			
		4			-				
.	· i	14			I hereby co	ertify that the well location			
: []	i		16	\	1 1	is plat was plotted from field			
11	!			3m.	6 1	tual surveys made by me or			
	1			つ	under my su	pervision, and that the same			
1	l			· 1	is true and	correct to the best of my			
	1		1 5 7 5		knowledge o	and belief.			
T	-+	#	7-34 -	/	7				
37000	i				Date Surveyed				
1700'			1		No vember	ERED LAW			
	! _		i 1		Registered/Pro	Hessional Engineer			
			i .		and for Land S	Grafiyo) 7 3			
	- 57				1 strates	the tip			
<u> </u>			i	 	Freday	Kent dr.			
		The state of the s			Certificate No	KERR, IS			
0 330 660 -	0 1320 1650 1980	2310 2640 20	00 1500 10	00 5 00	。 3950				

DRILLING SCHEDULE - HILL #4

Location:

790' FSL & 1700' FWL, Section 4, T29N, R8W San Juan County, New Mexico

Field

Blanco Pictured Cliffs

Elevation:

6417' GR .

Geology:

Formation Tops:

Ojo Alamo 2199' Fruitland 27891 Pictured Cliffs 31191

Total Depth 32991

Logging Program:

IES and GR-Density at total depth.

Coring Program:

None

Natural Gauges:

None

Drilling

Contractor:

Tool Pusher:

SRC Answering Service: 325-1841

SRC Representative:

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"	120'	8-5/8''	24#	K-55
	6-3/4"	3299'	2-7/8''	6.5#	K-55

Cementing

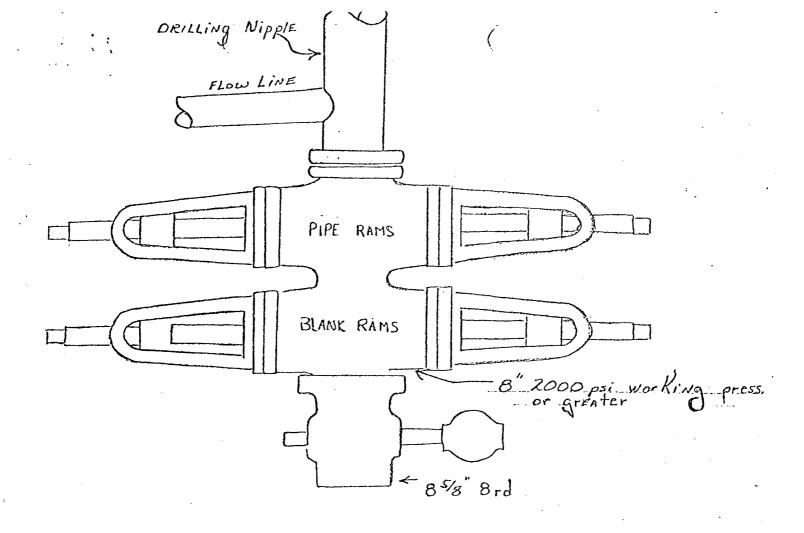
8-5/8" Surface Casing:

 $\frac{99}{\text{flake per sx and }} \frac{\text{cu. ft. (85}}{\text{sxs)}} \frac{\text{sxs) Class "B" with 1/4# gel}}{\text{(100% excess)}}$

2-7/8" Production Casing:

336 cu. ft. (186 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)



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



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: Handeler

Title: District Engineer



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 #4 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 Blanco Ditch. 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



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.

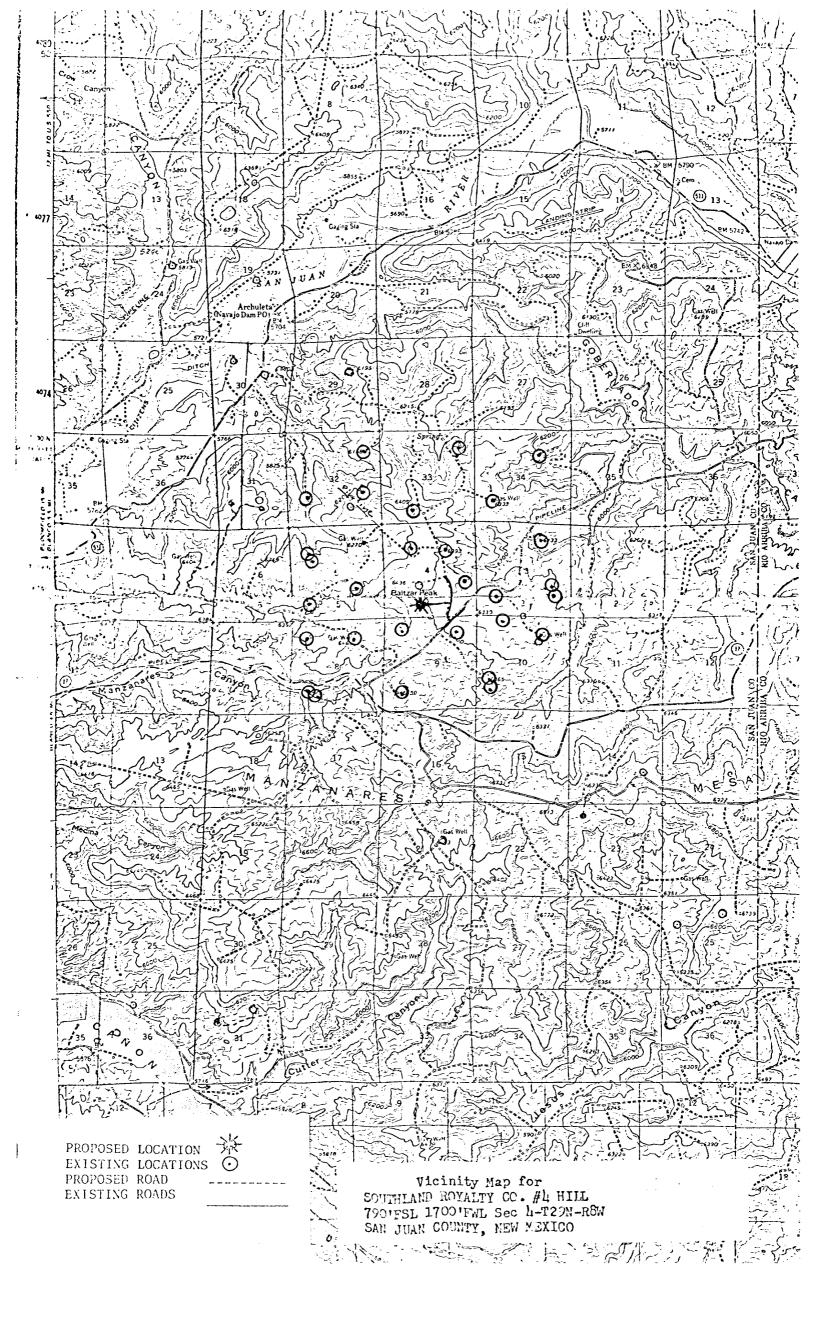
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

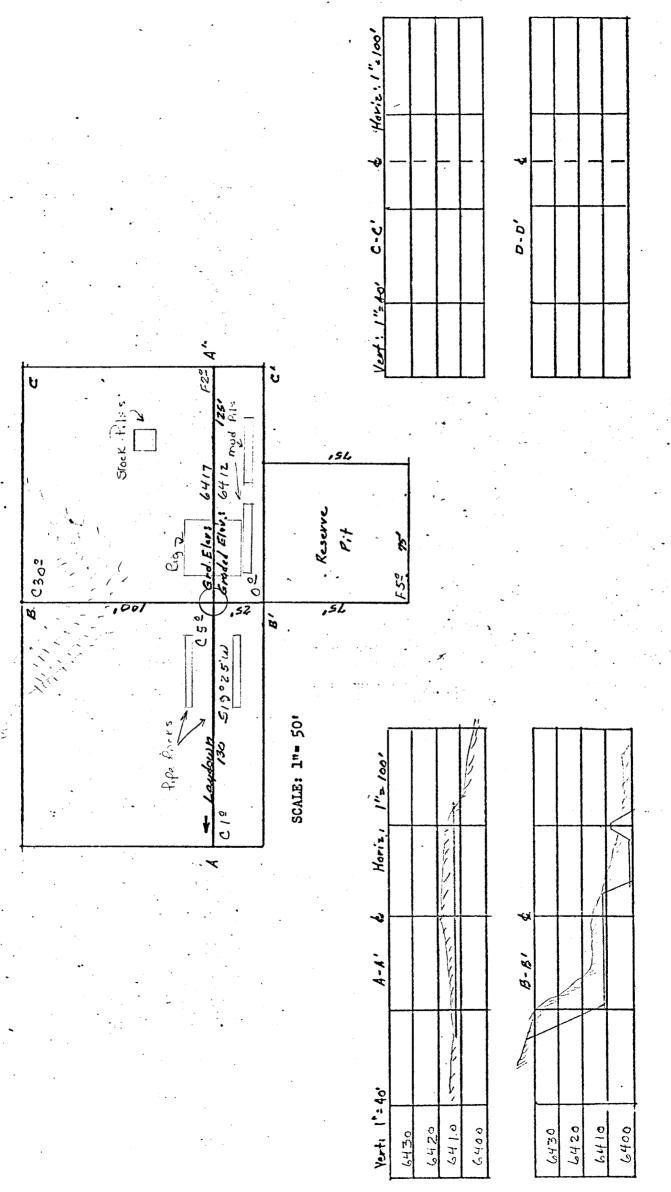
L. O. Van Ryan

District Production Manager

LOVR/dg



Location Profile for SOUTHIAND ROYALTY CO. #4 HILL 790'FSL 1700'FWL Sec 4-T29N-RSW San Juan County, New Mexico



KERR LAND SURVEYING Date: 11-16-78



