SUBMIT IN TRIPLICATE*

Form approved.

UNITED STATES

DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

	Budget	Bureau	NO. 42	-R1425.	
Ô	30	-04	15-	2400	0
5.	LEASE DESIG	NATION A	ND SERI	AL NO.	

	GEOLO	GICAL SURVI	- Y			NM-01614
APPLICATION	I FOR PERMIT T	O DRILL, I	DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	LL 🛛	DEEPEN [PLUG BAC	K 🗆	7. UNIT AGREEMENT NAME
b. Tipe of well	s 🗔			INGLE MULTIPI	LE V	8. FARM OR LEASE NAME
WE L W	ELL X OTHER		z	ONE ZONE	}	- Thompson
	d Royalty Compa	กง				9. WELL NO.
3. ADI RESS OF OPERATOR	a response compa	117				#5 M
P. O. Dr	awer 570, Farmi	naton, NM	8740)1		10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (Re	eport location clearly and	in accordance wit	h any	State requirements.*)		Basin Dakota Blanco Mesa Verde
At surface 1765' FS	L & 860' FEL					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	e					
						Section 33, T3lN, Rl2W
	ND DIRECTION FROM NEAR		T OFFIC	r.		
	NW of Flora Vis	ta, NM	16 N	O. OF ACRES IN LEASE	17 NO	San Juan New Mexico
15. DISTANCE FROM PROPU L(CATION TO NEAREST P) OPERTY OR LEASE L			10. 1	o. Of Reals IN Blads		THIS WELL
(also to nearest drlg	unit line, if any) 8	60 '	10 70	ROPOSED DEPTH	20 ROT	ARY OR CABLE TOOLS
18. DISTANCE FROM PROPORTION OF THE NEAREST WELL, DE	HLLING, COMPLETED,		19. 1	7063	20. 1101	
OR APPLIED FOR, ON THI 21. EL: VATIONS (Show whe				7003	1	ROTARY 22. APPROX. DATE WORK WILL START*
21. EL:VATIONS (SHOW WHE 5976' GR						January 31, 1980
23.		DODOGED GASIN	TC AND	D CEMENTING PROGRA	M	
	P	ROPUSED CASIF	NG AIN			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	тос	SETTING DEPTH		QUANTITY OF CEMENT
13 3/4"	10 3/4"	32.75	<u> </u>	200'		sacks
9 5/8"	7 5/8"	26.4#		4580'		sacks (Stage One) sacks (Stage Two)
6 3/4"	5 1/2"	15.5#		4580' - 7063'	ī	sacks (Stage 1wo)
Top of Ojo Ala Top of Pictur Fresh water m Gas will be u No abnormal p It is expecte or time requi Gas is dedica	sed to drill frressures or poid that this welled for approvated. PROPOSED PROGRAM: If parill or deepen directions	1288'. is at 2298' to drill to commintermed sonous gased will be odded, rig available, rig available, give pertinent	from liate es an drill ailak	e total depth to re anticipated in Led before June coility and the Coility and the Columbia C	tota n thi 30, 1 weath CE NOV 1	s well. 980. This depends
(This space for Feder	al or State office use)			-·· -		
PERMIT NO.				APPROVAL DATE		
AP 'ROVED BY		TIT	LE			DATE

of 3rd

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

OIL CONSERVATION DIVISION P. O. BOX 2088

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102 kevised 10-1-78

		All distances must be fro	Lease			Well No.
Operator	NTA T MIT (GO) (T) (A)	37	I	1		5 M
SOUTHLAND RO	<u> DYALTY COMPAN</u> Section	Y Township	THOMPSON		unty	
I	33	31N	12W		San Juan	
Actual Fostage Locat		1 / 241	1			
1765		South line and	860	feet from	m the East	line
Ground Level Elev.	Producing For		P∞l			Dedicated Acreage:
5976	Mesa Ve	rde / Dakota	Blanco / I	Basin		320 Acres
2. If more that interest and	n one lease is I royalty).		l, outline each	and identify	y the ownership t	hereof (both as to working
dated by co	mmunitization, u	nitization, force-pooli	ing. etc?	· 		all owners been consoli-
thin form if	necessary.)					
No allowable	e will be assigne	ed to the well until all or until a non-standar	l interests have d unit, elimina	been cons	olidated (by com	munitization, unitization, approved by the Commis-
	1					CERTIFICATION
	 		i (·	tained he	rein is true and complete to the y knowledge and belief
<u> </u>	_ +				L. O. Va	an Ryan
	! Se		NMO1614		Company Southlar	t Production Manager nd Royalty Company 31, 1979
	† 	33	 	8601	shown on notes of under my is true of	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my e and belief.
	- +		 -	1765	and Ir Lan	for Fort
0 330 060 .00	1320 1650 1980	0 2310 2640 2000	1500 10	•	Certificate 3950	No:

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

THOMPSON #5-A

1765' FSL & 860' FEL Section 33, T3lN, Rl2W San Juan County, New Mexico

Field:	Basin Dakota/Blanco Mesa Verde	Elevation:	5976' GR
--------	--------------------------------	------------	----------

Geology:

Formation Tops:	Fruitland Pictured Cliffs Cliff House	1288' 2033' 2298' 3888' 4580'*	Point Lookout Gallup Graneros Dakota Total Depth	4633' 5908' 6718' 6863' 7063'
	Intermediate TD	4580'*	Total Depth	7063

^{*}INTERMEDIATE TO IS CRITICAL. DO NOT DRILL PAST 4580'. ACCURATE STRAP WILL BE NECESSARY.

Logging Program: IES and GR-Density from Intermediate TD to surface casing. GR-Induction and GR-Density from TD to Intermediate casing.

Natural Gauges: Gauge well at TD. Also gauge any noticeable increases in gas. Record all gauges in tour book and turn in on morning report.

Orilling:

SRC Rep:

Contractor: Tool Pusher:

SRC Ans. Svc: 325-1841 SRC Dispatch: 325-7391

Mud Program: Fresh water mud from surface to Intermediate TD.

Gas from Intermediate TD to TD.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
	13 3/4"	200'	10 3/4"	32.75# H-40
	9 5/8"	4580'	7 5/8"	26.4# K-55
	6 3/4'	4580'-7063'	5 1/2"	15.5# K-55

Float Equipment:

10 3/4" Surface Casing: Pathfinder type "A" guide shoe.

7 5/8" Intermediate Casing: Pathfinder type "A" guide shoe. Self-fill insert float valve run 2 joints above shoe. 5 Pathfinder rigid stabilizers run every other joint above shoe. Run Dowell stage tool at 2500'. Run cement basket

below and 5 Pathfinder rigid stabilizers above tool.

5 1/2" Liner: Liner hanger with neoprene pack-off. Pathfinder type "AP" guide shoe and type "A" float collar.



October 31, 1979

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

Attention: James Sims

Re: Blowout Preventer Plan

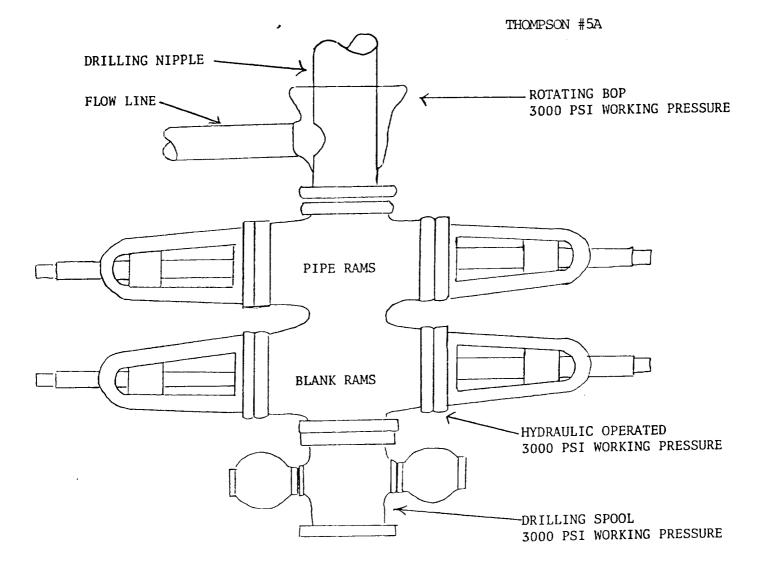
Dear Sir:

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.

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

L. O. Van Ryan District Production Manager



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



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

Attention: James Sims

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: October 31, 1979

Title: District Production Manager



October 31, 1979

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

Attention: James Sims

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Thompson #5A 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, encolsed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

Water supply will be Animas 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,

L. O. Van Ryan District Production Manager

LOVR/dg

Wellhead Equipment:

9 5/8" \times 10", 2000# casing head with 7 5/8" casing hanger.

10", 2000# X 6", 2000# tubing head and tree.

Cementing:

10 3/4" Surface Casing: 140 sacks (160 cu. ft.) of Class "B" with 1/4# gel flake per sack and 3% CaCl₂. WOC 12 hours. Test to 600# prior to drilling out. (Volume is 100% excess.)

7 5/8" Intermediate Casing: Stage One - 130 sacks (195 cu. ft.) of 50/50 Poz with 6% gel (mixed with 7.2 gals water per sack). (Volume is 50% excess to cover top of Cliff House.)

Stage Two - 175 sacks (342 cu. ft.) of 50/50 Poz with 6% gel, followed by 70 sacks of Class "B" with 2% CaCl . (Volume is 50% excess to cover top of $0jo^2$ Alamo.)

WOC and circulate between stages as required by well conditions. WOC 12 hours. Test to 1000 psi before drilling out.

5 1/2" Liner: 250 sacks (374 cu. ft.) of 50/50 Poz with 6% gel, 1/4# gel flake per sack, 0.6% Halad 9 or equivalent. (Volume is 70% excess.)

If hole gets wet and mist drilling is required, use 295 sacks (440 cu. ft.) for 100% excess.

Precede cement with 20 barrels of gel water.

L. O. Van Ryan District Production Manager

