SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

DEPARTMENT OF THE INTERIOR							30-045-23318	
	5. LEASE DESIGNATION AND SERIAL NO.							
APPLICATIO	NM-01614 6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
1a. TYPE OF WORK		, o billeb,	<u> </u>	LIV, OK TEOU)/\CK		•	
b. TYPE OF WELL	ILL 🖾	DEEPEN		PLUG BA	CK 🗌	7. UNIT AGREEMENT	r Name	
WELL V	VELL OTHER			SINGLE X MULTIF	LE [8. FARM OR LEASE	NAME	
2. NAME OF OPERATOR	_					Thompson		
South 1:	9. WELL NO.							
	#2A							
P. O. I	10. FIELD AND POOL							
At surface	960' FNL & 1070			bate requirements.		Blanco Mesaverde -		
At proposed prod. zoi) PLL				11. SEC., T., R., M., OR SLK. AND SURVEY OR AREA		
At proposed prod. 201	de .					Soction 20 TELN DIGH		
	AND DIRECTION FROM NEA					Section 28-T31N-R12W 12. COUNTY OR PARISH 13. STATE		
8 mil	es Northwest of	Aztec, New	v Mex	ico 87410	-	San Juan	New Mexico	
15. DISTANCE FROM PROP- LOCATION TO NEARES			16. N	O. OF ACRES IN LEASE	17. No. (F ACRES ASSIGNED	INEW MEXICO	
PROPERTY OR LEASE			Ì		TOT	320.0	10	
18. DISTANCE FROM PROP			19. P	ROPOSED DEPTH	20. ROTARY OR CABLE TOOLS			
OR APPLIED FOR, ON TH	IS LEASE, FT.			5253'		Rotary		
21. ELEVATIONS (Show wh	•					22. APPROX. DATE WORK WILL START*		
	1' GR					1-15-79)	
23.	F	ROPOSED CASI	NG AN	D CEMENTING PROGRA	M ·			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING DEPTH	1	QUANTITY OF CEMENT		
12-1/4"	9-5/8"	36#		200'	125	cu. ft.		
8-3/4"	7''	20#		2803'		cu. ft.		
6-1/4''	4-1/2" 2-3/8"	10.5# 4.7#		2653'-5253' 5200'	453	cu. ft.		
Surface for	mation is Nacim	iento						
	Alamo sand is a							
	ured Cliffs sand		531.			mark \		
Fresh water	mud will be use	ed to drill	fro	m surface to in	termed	late casing p	ooint.	
An air syste	em will be used	to drill f	rom	intermediate ca	singp	fint to total	l depth.	
It is antic	ipated that a Ga	arrm Ray In	iduct	ion and a Gamma	, Ray D	ensity log wi	11 be	
run at	total depth.				4	810 /		
No abnormal	pressures or po	oisonous ga	ises.	are anticipated	in th	is well. 🐪		
	ted that this we						depends	
Gas is dedi	e required for a	approvais,	rig	availability an	d the i	weather.	and the same of th	
das 13 ded10	Cateu.					e e e e e e e e e e e e e e e e e e e	1	
,						,		
						.	3 5 19 10 T	
in above space describe zone. If proposal is to preventer program, if an	PROPOSED PROGRAM: If I drill or deepen directiona	proposal is to deep	en or p t data (plug back, give data on pr on subsurface locations an	esent produ d measured	active zon, and prope and true vertical dep	ned new (productive	
24.		<u>/</u>	·			- COIL	nist.	
81CNED.	Man Ly	The Time		strict Producti	on Man	ager Deten	nber 5 1978	
(This space for Fede	ral or State office use)							

APPROVED BY _____CONDITIONS OF APPROVAL, IF ANY: oh Frank

TITLE _

APPROVAL DATE ___

DATE

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 Well No. SOUTHLAND ROY J. TY COMPANY THOMPSON Unit Letter Township County 28 31N 12W San Juan Actual Footage Location of Well: 960 feet from the North 1070 feet from the East Ground Level Elev. Producing Formation Dedicated Acreage: 6171 Mosa Verde Blanco 320.00 Acres 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 the best of my knowledge and belief. 10701 0 Position District Production Manager Southland Royalty Company Date Sec December 5, 1978 28 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.

2000

1000

3950

1320 1650

DRILLING SCHEDULE - THOMPSON #2A

<u>Location</u>: 960' FNL & 1070' FEL, Section 28, T31N, R12W

San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 6171' GR

Geology:

Formation Tops: Ojo Alamo 1233' Cliff House 4153' Fruitland 2163' Point Lookout 4903'

Pictured Cliffs 2553' Intermediate TD 2163' 2803'

Total depth 5253'* (Add 50' if hole

gets wet)

Logging Program:

GR-Density and GR-Induction at total depth.

Coring Program:

None

Natural Gauges:

Gauge at last commection above Cliff House, Point Lookout

and total depth.

Gauge any increase in gas flow.

Drilling:

Contractor: Tool Pusher:

SRC Representative:

SRC Ans. Service: 325-1841
Dispatch Number: 325-7391

Mud Program:

Fresh water mud from surface to Intermediate total depth.

Air from intermediate to total depth.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade	
	12-1/4"	200'	9-5/8"	36#	K-55
	8-3/4"	2803'	7"	20#	K-55
	6-1/4"	2653'-5253'	4-1/2"	10.5#	K-55

Cerenting:

9-5/8" surface casing: 125 cu. ft.. (105 sxs) of Class "B" with 1/4" gel flakes per sack and 3° CaCl₂. (1005 excess)

7" intermediate casing:

cu. ft. (200 sxs) of 50/50 Class "B" Poz with 6% gel. Mix with 7.2 gals water per sx to weigh 12.85 ppg. Tail in with 50 sxs of Class "B" with 2% CaCl2. If lost circulation occurs, add 1/4# celloflake per sx. (50% excess to cover Ojo Alamo.)

4-1/2" liner:

453 cu. ft. Precede cement with 20 bbls gelled water. Cement with 305 sxs of 50/50 Class "B" Poz with 6% gel, 1/4# celloflake and 6% halad 9. Mix water with 7.2 gals water per sx to weigh 12.85 ppg. (70% excess to circulate liner (360 sxs)



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 5, 1978	Name: C Change
		Title:District Engineer



December 5, 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 Thompson #2A 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 Farmer's 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 5, 1978

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

Attention: Blowout Preventer Plan

Dear Sir:

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

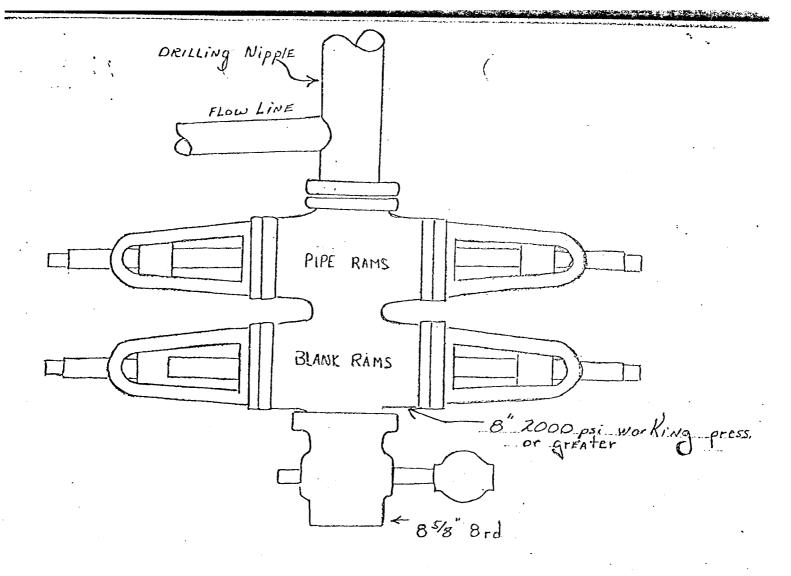
The preventer is 3000# working pressure and 6000# test.

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

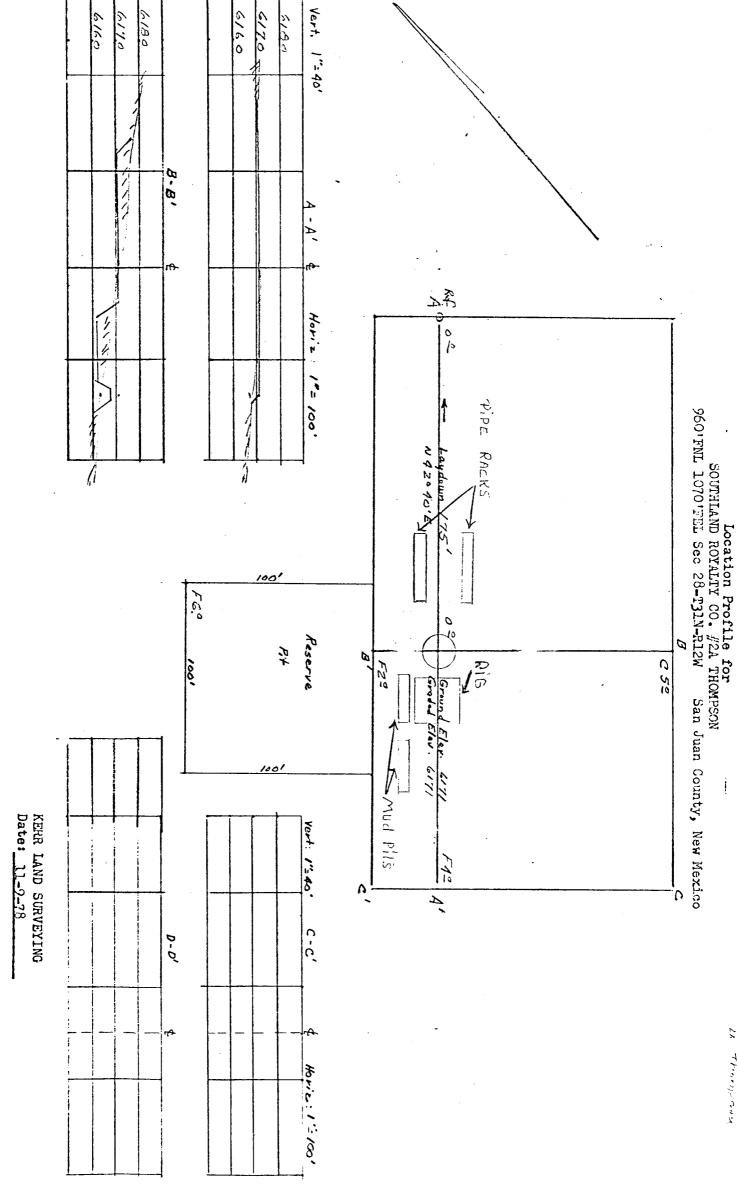
Yours truly,

L. O. Van Ryan District Production Manager

LOVR/dg



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



24 Thurspeans

