SUBMIT IN TRIPLICATE* (Other instructions on

ATE* Form approved.
Budget Bureau No. 42-R1425.

NM-2996

DATE _

UNITED STATES

On reverse side

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-045-245-88 5. LEASE DESIGNATION AND SEBIAL NO.

APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPI	EN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
. TYPE OF WORK		-					
DR	ILL 🖾	DEEPEN		PLUG B	ACK L	J (1, 2,000 20,000 10,0	
OIL O	:A8 🔽				TIPLE	8. FARM OR LEASE NAME	
NAME OF OPERATOR	VELL X OTHER		2.0	ONE LA ZONI	<u>. </u>	Burnt Mesa	
outhland Roya	ltv Company					9. WELL NO.	
ADDRESS OF OPERATOR						#4 -	
O. Drawer 5	70, Farmington	, NM 87401		er + ++		10. FIELD AND POOL, OR WILDCAT 4	
LOCATION OF WELL (F	Report location clearly a	nd in accordance wi	th any S	state requirements.*)		So. Los Pinos FrtPC	
910' FSL & 990' FWL					•	11. SEC., T., R., M., OB BLK. AND SURVEY OR AREA	
At proposed prod. zo:				· · · ·	,		
					<u> </u>	Section 25, T32N, R7W	
	AND DIRECTION FROM N	EAREST TOWN OR POR	ST OFFICE	11, 0, 070, 00			
4 miles SE of			L 1C No	FARMING	28.119.55	San Juan New Mexico New Assigned	
. DISTANCE FROM PROP LOCATION TO NEARES	T		16. NO	OF ACRES IN LEASE		THIS WELL	
PROPERTY OR LEASE (Also to nearest dr)	LINE, FT. g. unit line, if any)	910'	_	320.00		160	
DISTANCE FROM PRO	POSED LOCATION* DRILLING, COMPLETED,		19. PB	OPOSED DEPTH	20. F	ROTARY OR CABLE TOOLS	
OR APPLIED POR, ON TE		200'	<u> </u>	3775'		Rotary	
	nether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START*	
37' GR						July 15, 1980	
		PROPOSED CASI	NG ANI	CEMENTING PROC	GRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	TOOT	SETTING DEPTH		QUANTITY OF CEMENT	
12 1/4"	8 5/8"	24#		120'		85 sacks	
7 7/8"	4 1/2"	10.5#	:	3775 '		515 sacks	
op of Ojo Alar op of Picture cesh water muc is anticipat o abnormal pro is expected	that this well required for	1596'. is at 3575'. to drill fr S and a GR-D sonous gases l will be dr	om su ensit are	y log will be anticipated i before Septe	R 290; al Dept e run a in this ember 3 d the v	ch. at Total Depth. DIST. Com. s well. 30, 1980. This weather.	
ne. If proposal is to eventer program, if an	drill or deepen direction	onally, give pertinen	t data o	olug back, give data or n subsurface locations strict Engine	s and meas	productive zone and proposed new productive sured and true vertical depths. Give blowout	
PERMIT NO.	^ . / .			APPROVAL DATE			

TITLE _

ch 3rd

CONDITIONS OF APPROVAL, IF ANY:

. STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

All distances must be from the cuter boundaries of the Section

SOUTHLAND ROYALTY COMPANY SOUTHLAND ROYALTY COMPANY BURNT MESA Provided South South Research Township M 25 32N Research Town Mesa 25 32N Research Town Mesa South Research Town Mesa South Research Town Mesa South Research Town Mesa Procl General Free Home the South Research Town Mesa Procl Soc. Los Pinos Fruitland Town Mesa 160 Acres. 1. Outline the acreage dedicated to the subject well by colored peacil or backure 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 heen consolidated by communitization, unitization, force-pooling, etc? Yes No If answer is "so," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if accessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. Soc. Soc. Soc. Soc. Soc. Soc. 1 hearby certify, thus the informotion contained have fair away plasted from field marks of any heard-sign and balled. No allowable will be assigned to the social marks of any heard-sign and balled. No allowable will be assigned to the sea of the social field and the sea of the sea of any heard-sign and balled. No allowable will be assigned to the sea of the	Operator				Cuter noundative et	3461704		Tara a
Metable Postings Lection of Well: 920 Less time the South 100 and 1900 a	i '	ROYALTY COMPA	NY					Well No.
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SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

BURNT MESA #4

910' FSL & 990' FWL Sec. 25, T32N, R7W San Juan County, NM

Field: So. Los Pinos Fruitland-Pictured Cliffs Elevation: 6637' GR

Geology: Formation Tops

Ojo Alamo 1596' Pictured Cliffs 3575' Kirtland 2861' Total Depth 3775' Fruitland 3184'

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

Drilling: Contractor: Tool Pusher:

SRC Answ. Svc: 325-1841 SRC Rep: SRC Dispatch: 325-7391

Mud Program: Fresh water mud to Total Depth. Mud up as

necessary to control tight hole problems.

Materials: Casing Program

Hole Size	Depth	Casing Size	Wt. &	Grade
12 1/4"	120'	8 5/8"	24#	H-40
7 7/8"	3775 '	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 and self-fill insert flapper type float valve. Five bow type centralizers. Run float 1 joint off bottom (40' min.) Run centralizers every other joint above shoe.

Wellhead Equipment

Larkin or Rector screwed type 2000 psi casing head and tubing head.

Cementing Program:

8 5/8" surface casing: 85 sacks (100.3 cu. ft.) class B with 1/4# gel flake per sack and 3% Ca Cl. (100% excess to circulate.)

4 1/2" production casing: 465 sacks 50/50 Poz with 6% gel. Mix with 7.2 gals. water per sack to weigh 12.85 ppg. Tail in with 50 sacks class B. (747 cu. ft. - volume is 50% excess to cover Ojo Alamo.)

L. O. Van Ryan District Production Manager



June 20, 1980

United States Geological Survey Mr. James F. Sims District Oil and Gas Supervisor P. O. Box 959 Farmington, NM 87401

Dear Mr. Sims:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Burnt Mesa #4 well.

The lcoations 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 for this well will be The Pine River

The terrain is rolling hills with sagebrush. The location will be restored according the 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. Either he or myself may be reached anytime at 325-7391.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder District Engineer

REF/ke



June 20, 1980

United States Geological Survey Mr. James F. Sims District Oil and Gas Supervisor P. O. Box 959 Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Mr. Sims:

All drilling and completion rigs will be equipped with 8" 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.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder District Engineer

REF/ke



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

Dear Sir:

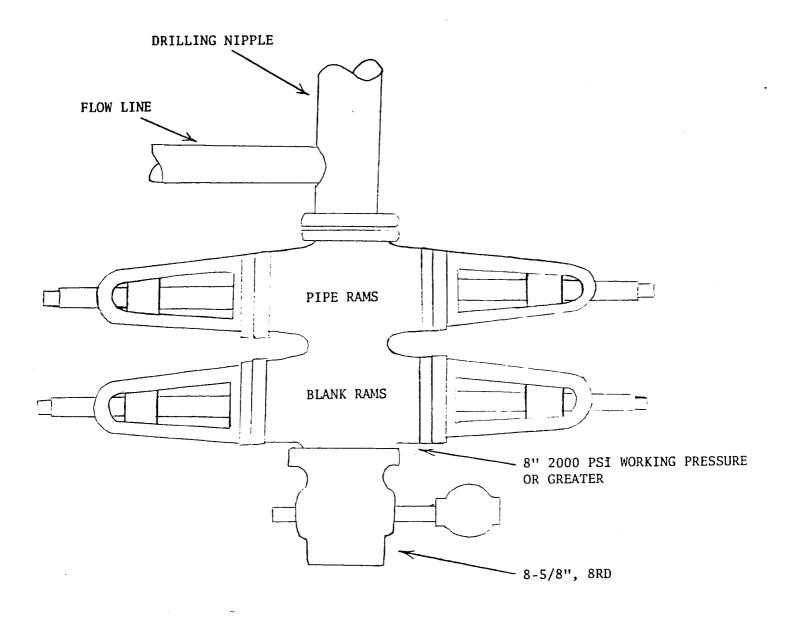
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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: 6-20-80

L. O. Van Ryan

District Production Manager

LOVR/ke



PREVENTERS AND SPOOLS ARE TO HAVE THROUGH BORE OF 8" - 2000# OR LARGER

SOUTHLAND ROYALTY CO. #L BURNT 910'FSL 990'FWL Sec. 25-T32N-R

