## SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30-075-034//

5. LEASE DESIGNATION AND SERIAL NO.
SF-080382A

UNITE	ED S	STATI	ES
<b>DEPARTMENT</b>	OF	THE	INTERIOR

**GEOLOGICAL SURVEY** 

SF-080382A	
6 IF INDIAN ALLOWERS	OR TRAINE NAME

DR TYPE OF WELL	—		<u> </u>	EN, OR PLU	JG B	<u>ACK</u>		TTEB OR TRIBE NAME
TYPE OF WELL	DRILL X DEEPEN			PLUG BACK			7. UNIT AGREEMEN	T NAME
				ingle [Xi	MULTIPI	.e —		
OIL GAS OTHER  NELL OTHER  NAME OF OPERATOR					ZONE	<u>"                                    </u>	8. FARM OR LEASE	
	D14 C	_					Frontier "C"	
ADDRESS OF OPERATOR	Royalty Compan	У	<del></del>				#2R	
P. O. Draw	ver 570, Farmin	gton, New Me	exico	)			10. FIELD AND POOL	L, OR WILDCAT
LOCATION OF WELL (R	deport location clearly an	d in accordance wit	h any 8	state requirements.	.*)		Basin Dakota	
	FSL & 900' FE	L					11. SEC., T., R., M., AND SURVEY OR	OR BLK.
At proposed prod. zor	1e						Section 5 T	127M D11W
DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	r offic	<b>B</b> *			Section 5, T	
7 miles sou	uth/southwest o	f Bloomfiel	d, N	ew Mexico			San Juan	New Mexic
DISTANCE FROM PROPO LOCATION TO NEARES!			16. N	O. OF ACRES IN LE	ASE		OF ACRES ASSIGNED HIS WELD	
PROPERTY OR LEASE I	LINE, FT.					10 1	<b>E</b> 320 .	54
DISTANCE FROM PROF TO NEAREST WELL, D	POSED LOCATION®		19. PI	OPOSED DEPTH		20. ROTA	EY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	IIS LEASE, FT.		<u> </u>	6650'		<u> </u>	Rotary	
6127	ether DF, RT, GR, etc.)						22. APPROX. DATE WORK WILL START*	
010,		PROPOSED CASIN	IG ANI	CEMENTING P	ROGRA	м	<u> </u>	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO		SETTING DEPT			QUANTITY OF CE	MENT
12-1/4"	8-5/8"	24#		200'		140	sxs	
7-7/8"	4-1/2"	10.5#		6650'			sxs (1st St	age)
							sxs (2nd St sxs (3rd St	
Top of Mes Fresh wate It is anti No abnorma It is expe on ti Gas is ded This is an approv	unorthodox local.  E PROPOSED PROGRAM: If drill or deepen direction	s at 3492', used to dril a IES and a poisonous gwell will be approvals, cation. Approposal is to deep ally, give pertinent	Il fr GR-D gases oe dr , rig olica	om surface ensity log are anticified before availabilition is being back, give dat	will ipate re Ju ity a ing m	be ruled in the land the lade to heade to heade to heade to heade to head measure	un at total dehis well, 1979. This weather.  N.M.O. And the weather and properties the true vertical designs and properties to the contract of	depends  A COLO  ON O
venter program, if an		TIT	LE D1	strict Prod	uct1	on mar		1 5 1070
SIGNED SIGNED	eral or State office use)						LAZET DATE MATE	h 5, 1979
SIGNED SIGNED	ral or State office use)			APPROVAL DATE	'		DATE MATE	h 5, 1979

3 1 m 12

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

P 27N 11W San Juan    Comment   Comm	Operator		Lease		Well No.
P 27N 11W San Juan    Pool   P	SOUTHLAND ROYALTY COM	PANY	FRONTIER "C"	-	2R - ·
Acres    South   Item   South	Unit Letter Section	Township	Range	County	
food feet from the South time and 900 feet from the East time of 6127 Producting Promotion Promotion Pool Basin Dedicated Acretic 320. \$\frac{1}{3}\$ 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 No 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 berson is two and complete to the best of my knowledge and delief.  Number of the well incortion asson on this plat was plated from fails of the well incortion asson on this plat was plated from fails to under my superristing that the well incortion asson on this plat was plated from fails to under my superristing that the same is true and avayays and by me or under my superristing to the the same is true and avayays and by me or under my superristing that the same is true and avayays and by me or under my superristing that the same is true and avayays and by me or under my superristing to the best of my knowledge and ballef.	P 5	27N	11W	San Juan	
Description from the formation promotion   Pool   Basin   Description   Section   Sect	Actual Footage Location of Well:				
Danota Basin Deducted Arrenges  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 No 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 hareby certify that the information contained when it is two ond complete to the best of my knowledge and bellef.  Name  Company  Southland Royalty Company  Date  March 5, 1979.  5 SF-080382A  I hereby certify that the well location about on this plat was plotted from failed notes of extens aways made by me or under my supervision, and that the same is true ond consistent on this best of my knowledge and bellef.  Date Surveyed  February and by by me or under my supervision, and that the same is true and correct to the best of my knowledge and bellef.  Date Surveyed  February and by by me or under my supervision, and that the same is true and correct to the best of my knowledge and bellef.  Position  February and by by me or under my supervision, and that the same is true and correct to the best of my knowledge and bellef.  Position  February and by the mean and true the same is true and correct to the best of my knowledge and bellef.	600 feet from the	South line and	900 <sub>fee</sub>	t from the East	line
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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.  Date Surveyed February 129 Registered Professional Professional Commerce and/or Land Surveyor.	1	5	امر المراجعة عند المراجعة الم	·       I hereby	certify that the well location
under my supervision, and that the same is true and correct to the best of my knowledge and belief.  Date Surveyed February 129 Registered Professional Character and/or Land Surveyor of 2	. 1	lf	Marie 1	shown or	this plat was plotted from field
is true and correct to the best of my knowledge and belief.  Date Surveyed February Lay 129 Registered Professional Commer and/or Land Surveyor 2	- <b>t</b>		18 1990	notes of	actual surveys made by me or
Registered Professional Commerce and Surveyor of Section 1990	1	11		under my	supervision, and that the same
Date Surveyed February 120 179 Registered Fratessignat Lighter and/or Land Surveyer 9	1	· II		is true	and correct to the best of my
9001 February 120 129 Registered Professional Engineer and/or Land. Surveyor of E	1	H		knowledg	e and belief.
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DRILLING SCHEDULE: FRONTIER C #2R

Location: 600' FSL & 900' FEL, Section 5, T27N, R11W, San Juan County, New Mexico

Field: Basin Dakota Elevation: 6127' GR

GEOLOGY:

Form. Tops: Ojo Alamo 1130' Greenhorn 6337'

Pictured Cliffs 1888' Graneros 6395'
Cliff House 3492' Dakota 6507'
Point Lookout 4300' Total Depth 6650'

Gallup 5498'

Logging program: GR-Density and IES at total depth.

Coring Program: None

Natural Gauges:

DRILLING:

Contractor: Tool Pusher:

SRC Representative: Ross Lankford SRC Ans. Service: 325-1841

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" 200' 8-5/8" 24# K-55
7-7/8" 6650' 4-1/2" 10.5# K-55

CEMENTING:

8-5/8" surface casing: <u>165.2</u> cu. ft. (<u>140</u> sxs) Class B with 3% CaCl.

4-1/2" casing  $\frac{325.6}{\text{with }6\%}$  cu. ft. ( $\frac{220}{\text{sxs}}$ ) 1st Stage - 50/50 Poz vith 6% gel, 1/4# celloflake per sack.

 $\frac{407.0}{4675!}$  cu. ft. (275 sxs) 2nd Stage - DV tool at  $\frac{4675!}{50/50}$  Poz with 6% gel and  $\frac{1}{4}$  celloflake per sack.

 $\frac{355.2}{2100^{\circ}}$  cu. ft. ( $\frac{240}{50/50}$  sxs)  $\frac{3\text{rd Stage}}{\text{and }1/4\#}$  celloflake per sack.

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:	March 5, 1979	Name: Van Kran
-		Title: District Production Manager



March 5, 1979

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.

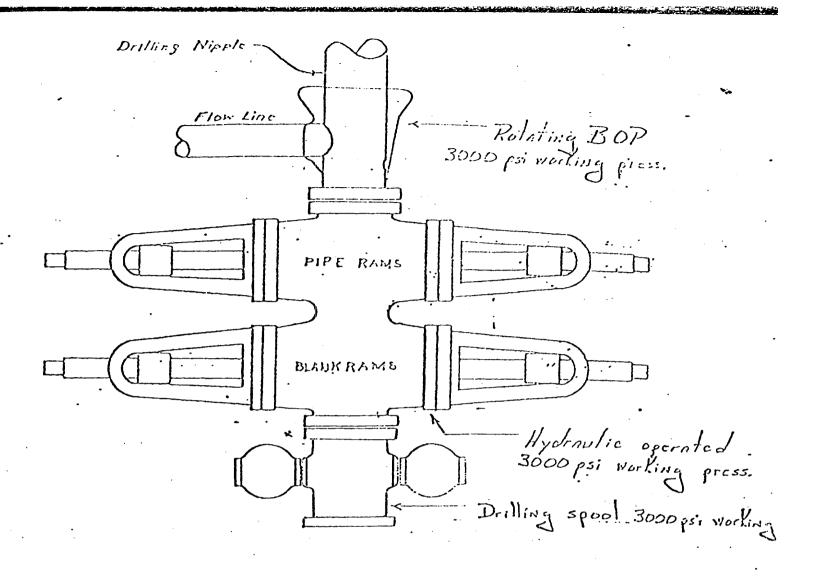
All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

L. O. Van Ryan

District Production Manager

LOVR/dg



Preventers and spools are to have through bore of 6" - 3000# PSI or larger.



March 5, 1979

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

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Frontier C #2R 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 San Juan 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

IBLOOMFIELO . GALLEGOS TRADING POST QUADRANGLE NEW MEXICO-SAN JUAN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC)

AZTEC 14 MI.
BLOOMFIELD 7 MI. 167 450 000 FEET 450 000 FEET 768 108\*00' 36\*37'30" T. 28 N. T, 27 N: 2040 000 TEST FEET Gas Well PROPOSED LOCATION EXISTING LOCATION Vicinity Map for SOUTHLAND ROYALTY CO. #2R FRONTIER \*C\* PROPOSED ROADS ---600'FSL 900'FEL Sec 5-T27N-R11W EXISTING ROAD -SAN JUAN COUNTY, NEW MEXICO

6120 6110 6/10 Yearts 1"= 40" 6/30 6/20 B-81 040 SCALE: 1"- 50" 130 B C100 1 Eliv. 1 6/25 I Land P.ts KERR LAND SURVEYING Date: February 12, 1979 0-0' C-C'

southland ROYALTY CO. #2R Front