NO. OF COPIES RECEIVED				30-	-245-25951
DISTRIBUTION		NEW MEXICO OIL CONSERVATION COMMISSION			101
SANTA FE	4-4			Revised	
FILE	4			1	licate Type of Lease
U.S.G.S.	1-1				e Oil & Gas Lease No.
LAND OFFICE				, J.	. Off G cas fields No.
OPERATOR					
APPLICATIO	N FOR PERMI	T TO DRILL, DEEPEN,	OR PLUG BACK		
1a. Type of Work	TT OIL LIGHT	1 10 511121, 522. 411,	0	7. Unit	Agreement Name
<del>V</del>	1	05-954 [T]	D1 110 D		
b. Type of Well	l	DEEPEN	PĻUG B	ACK 8. Form	or Lease Name
OIL GAS WELL V	OTHER		SINGLE X MULT	ZONE MC	Whorter-Duncan
2. Name of Operator	OTHER		2012	9. Well	
Southland Ro	valty Compa	nv		1	
3. Address of Operator	yarty Cumpa	u <u>v</u>	<del></del>	10. Fie	eld and Pool, or Wildcat
P. O. Drawer	570, Farmi	ngton, New Mexico	87499	Ba	sin Dakota
		LOCATED 1565		LINE	
UNIT LETT		_			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
AND 1820 FEET FROM	THE West	LINE OF SEC. 10	TWP. 29N RGE. 14		
				12. Co	(/////////
				San	Juan
				A. Formation	20. Rotary or C.T.
			58601	Dakota	Rotary
21. Elevations (Show whether DF	, RT, etc.) 21A	A. Kind & Status Plug. Bond	21B. Drilling Contractor		pprox. Date Work will start
5376' GL				Ma	y 1, 1984
23.	• .	PROPOSED CASING AN	D CEMENT PROGRAM		
SIZE OF HOLE	SIZE OF CA	SING WEIGHT PER FOO	T SETTING DEPTH	SACKS OF CEME	ENT EST. TOP
12-1/4"	New 8-5/8		200'	165 sacks	
7-7/8"	New 4-1/2				cuft-Cover Gallup
7-770	11CW 4-1/L	10.5%			cuft-Cover Cliff Hous
	1			Stge 3: 237	cuft-Cover Fruitland
Surface formation Top of Fruitland s Top of Pictured Cl	and is at 6 iffs sand i	88'. s at 883'.			
Fresh water mud wi	11 be used	to drill from surf	ace to total dep	th.	
It is anticipated	that an IEL	will be run from	total depth to s	urface casin	g and an
FDC/CNL logs	will be run	from total depth	to surface casin	g.	
No abnormal pressu	res or pois	onous gases are an	ticipated in thi	s well.	
It is expected tha	t this well	will be drilled b	etore May 31, 19	84.	
		uired for approval	s, rig availabil	ity and the	Weathers 1
Gas is not dedicat				阿里巴	EINE
	#	Priority of the Market Market State of the Mar	-33-84	127 B	· ·
	ţ		7 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W	201984
	•••	t Salar i garage and the first	1 Data Trops		
IN ABOVE SPACE DESCRIBE P	( ROPOSED PROGR	AM: IF PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA ON	PRESENT PROPUCTION	ZOLO NOPOSED NEW PRODUC-
TIVE ZONE. GIVE BLOWOUT PREVEN	TER PROGRAM, IF AN	ıy.		()IL C	715T. 3
I hereby certify that the informat	ion above is true a			1	7.0
Simul ( ) 5 +	ielde_	<sub>Title</sub> Dist. P	roduction Manage	r <sub>Date</sub> A	pril 17, 1984
Signed / . C. /.		1 10 10			
(This space for	State Use)				
- ( )	CO		SUPERVISOR DISTRICT # 3		ADD 9 / 1004
APPROVED BY		TITLE	SUPERVISOR DISTRICT # 3	DATE_	AFA SU DOT
CONDITIONS OF APPROVAL I	EANV.				

# OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO CHERGY AND MINERALS DEPARTMENT

# P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

att distances must be from the cuter houndaries of the Section.

		All distant	es must le fron	IN EBITT BOOK			
Operator Southland	Royalty Com	nany	I	McWhorter-	Duncan		Weil No.
Unit Letter	Section	Township	L	Romge		inty	
K	10	29N		14W	1 -	an Juan	
Actual Footage Location of Well:							
1565	feet from the	South	line and	1820	feet from	n the West	line
Ground Level Elev:		Formation	F	ool			Dedicated Acreage:
5376' GL	Dakota			Basin	-		320 Acres
	e acreage ded	licated to the	e subject we	ll by colored p	encil or h	achure marks on t	he plat below.
	-						_
2. If more th	an one lease	is dedicated	i to the well.	outline each	and identif	fy the ownership	thereof (both as to working
interest a	nd royalty).						
	•	t litt.		المناه والمعادلة		a tha interests s	of all owners been consoli
					well, nav	e me interests (	of all owners been consoli-
dated by o	communitizatio	n, unitization	i, iorce-poolin	ig. etc:			
Yes	□No	If answer is "	'yes," type of	consolidation	COmm	unitization	
If answer	is "no;" list	the owners a	nd tract descr	iptions which	have actua	ally been consoli	dated. (Use reverse side of
this form i	if necessary.).				<del></del>	· <del></del>	
No allowa	ble will be ass	igned to the	well until all	interests have	been con	solidated (by co	mmunitization, unitization,
forced-poo	ling, or otherw	ise) or until s	non-standard	l unit, eliminat	ing such i	nterests, has bee	n approved by the Commis-
sion.							
						<b>—</b>	CERTIFICATION
		— — — <u>I</u> II		ļ ,			
	1)* . 1	I	- Vermand	<b>ുത</b> ¦് 8 ി		I hereby	certify that the Information con-
	<b>l</b> il	· \	10)	E C L L		1 1	perein is true and complete to the
	H	A			المسا	. 1 1	my knowledge and belief.
•	lu	1	1 8	APR 2 0 19	34	1100	2.11
						Nome	· Tuyou
	_ 4		O	LCCIL	<u>v</u>	1 1	Fielder
	ſ,			DIST. 3		R. E.	FIGIRE
	'   1					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ct Production Manager
SF-079968	SF078	3110		İ		Compony	
	. 11			I		South1	and Royalty Company
<b>!</b> !'	μŧ	11		i		Date	<del></del>
<b>    (</b>	<u>, 1</u> 1	0		i İ		April	17, 1984
	li <u> </u>	Sec		<u> </u>			
			10	ı			
	h <mark>.</mark> -	 		1		1 1	y certify that the well location
	11.		1	!		1 1	on this plat was plotted from field
	į.		•	I		1 1	if actual surveys made by me or your supervision, and that the same
,	Ր  Ու			1		<u> </u>	and correct to the best of my
1820	סי 🎚 🦼	l l		1		1 1	ige and belief.
		.		1 .			-
#=====	== - -						
11	FEE	'}}  }		i		Date Surv	еуес
11.		1   1 1   1				1 1	12, 1984
[[				1		]	d Professional Engineer
	1565	ij		1		and L	and Surveyor
	1 4			l t		Take	afferded
				1		Fred	· · · · · · · · · · · · · · · · · · ·
<u></u>			2.0001			Certificat	Section 1 Advantage 1 Advantage 1
		Scale: 1"=	1000'			3950	Comme

#### SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

#### McWHORTER-DUNCAN #1

1565' FSL & 1820' FWL Section 10, T29N, R14W San Juan County, New Mexico

Field:	Basin Dakota	Elevation:	5388' KB
			5376' Gt

# Geology:

Formation Tops:	Fruitland	6881	Gallup	4653'
·	Pictured Cliffs	883'	Greenhorn	5458'
	Chacra	1518'	Graneros	5513'
	Cliff House	2478'	Dakota	5613'
	Point Lookout	3413'	Total Depth	5860'

Logging Program: IEL and FDC/CNL from total depth to surface casing.

#### Drilling:

Tool Pusher: Contractor:

Ross Lankford SRC Answering Service: 325-1841 SRC Rep: Dispatch Number: 325-7391

Fresh water mud from surface to total depth. Mud Program:

# Materials:

Casing Program:	<u>Hole Size</u>	Depth Set	Casing Size	Weight & Grade
	12-1/4"	200'	8-5/8"	24# K-55
	7-7/8"	5860'	4-1/2"	10.5# K-55

## Float Equipment:

8-5/8" Surface Casing: Bakerline cement-nosed guide shoe.

4-1/2" Production Casing: Bakerline cement-nosed guide shoe, self-fill

flapper float collar one joint above shoe, and centralizers at every other joint above

float and DV tools (5 centralizers). Run stage collars at 3650' and 1200' with cement basket below each and at 5400', 4900',

4400', 3150', 2650' and 900'.

Wellhead Equipment:

8-5/8" X 10", 2000 psi bradenhead, 10" X 6", 2000 psi tubing head, 6" X 2-3/8", 2000 psi tubing hanger.

#### Cement Program:

8-5/8" Surface Casing:

140 sacks (165 cu.ft.) of Class "B" cement with 1/4# cellophane flake per sack and 3% CaCl<sub>2</sub>. WOC 12 hours. Test shoe to 600 psi prior to drilling out. (100% excess to circulate.)

4-1/2" Production Casing:

## STAGE 1

225 sacks (333 cu.ft.) of Class "B" 50/50 Poz cement with 1/4# cellophane flake per sack, tail in with 110 sacks (130 cu.ft.) of Class "B" cement with 2% CaCl<sub>2</sub>.

(Volume is 50% excess to cover Gallup.)

#### STAGE 2

385 sacks (570 cu.ft.) of Class "B" 50/50 Poz cement with 1/4# cellophane flake per sack, tail in with 50 sacks (59 cu.ft.) of Class "B" cement with 2% CaCl<sub>2</sub>. (Volume is 50% excess to cover Cliff House.)

#### STAGE 3

120 sacks (178 cu.ft.) of Class "B" 50/50 Poz cement with 1/4# cellophane flake per sack, tail in with 50 sacks (59 cu.ft.) of Class "B" cement with 2% CaCl<sub>2</sub>. (Volume is 50% excess to cover Fruitland.)

WOC and circulate 4 hours between stages. Adjust cement volumes if necessary after running caliper log.

R. E. Fielder District Production Manager

CTH/eq

4/17/84



April 17, 1984

Mr. Frank Chavez Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Blowout Preventer Plan

Dear Mr. Chavez:

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

Sincerely,

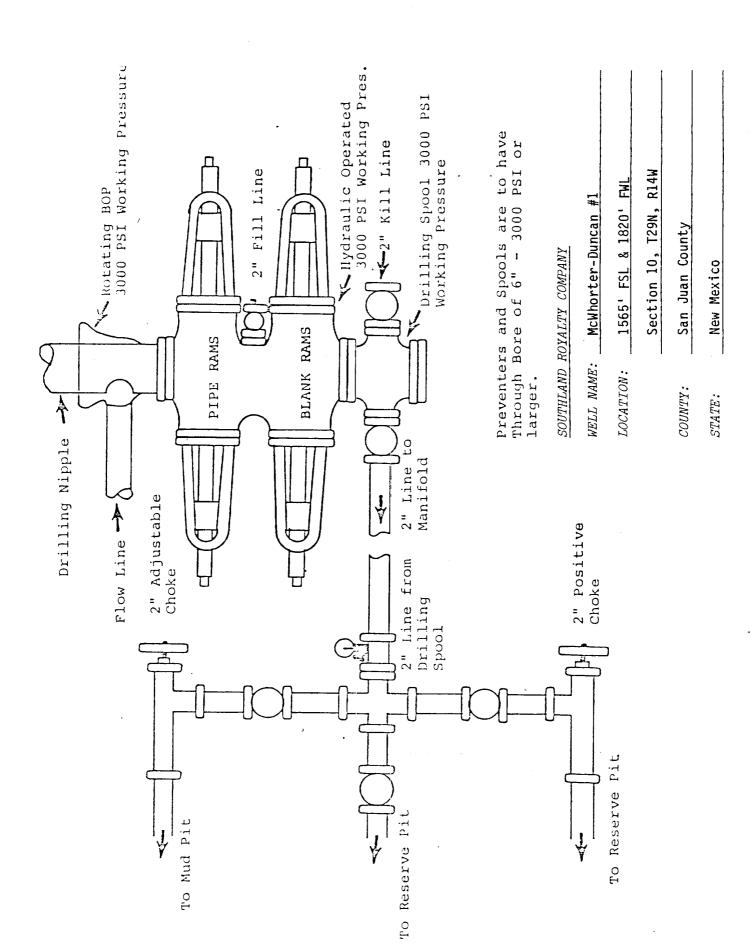
SOUTHLAND ROYALTY COMPANY

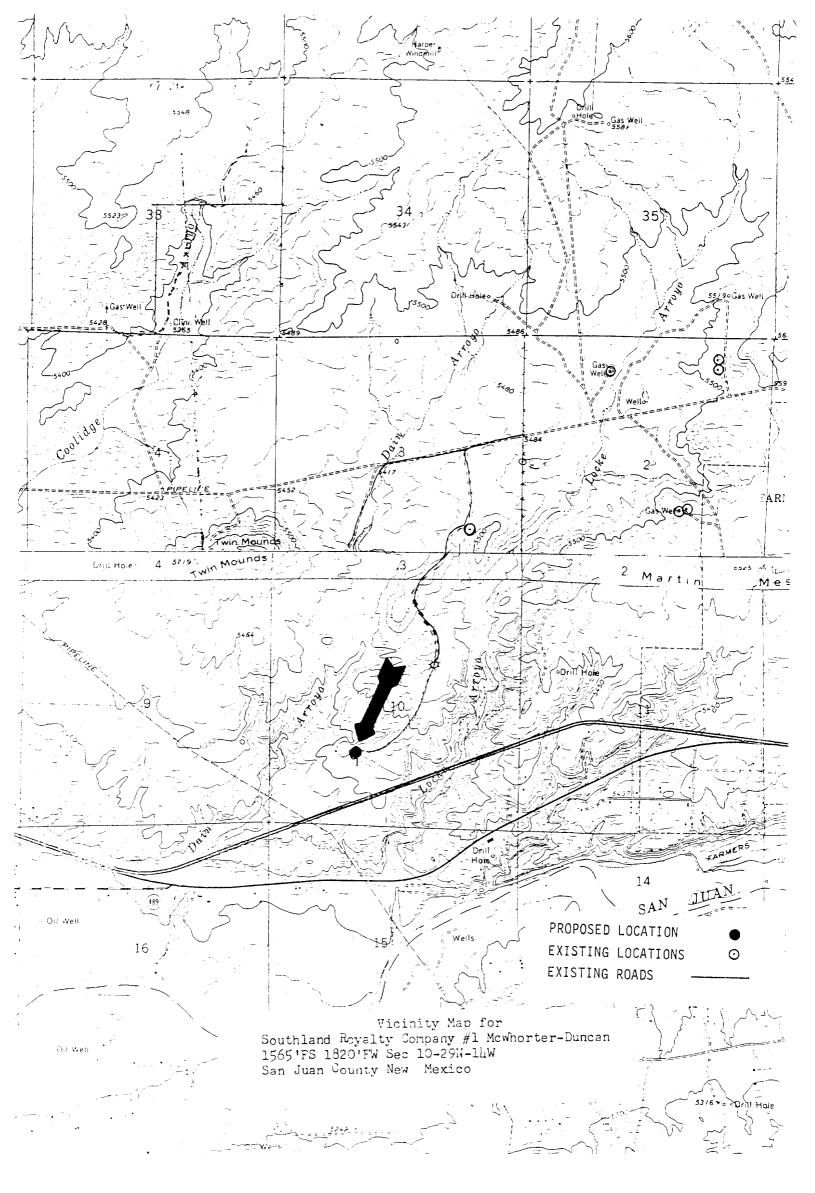
R. E. Fielder

District Production Manager

REF/eg

Attachment





# Profile for SOUTHLAND ROYALTY CO. #1 McWHORTER-DUNCAN 1565'FSL 1820'FWL Sec. 10-T29N-R14W SAN JUAN COUNTY, NEW MEXICO

