NO. OF COPIES RECEIVED) Y S + D 3 755
DISTRIBUTION		NEW	EXICO OIL CONSERVATION COMMISSION			Form C-101 Revised 1-1-65		
SANTAFE						-		Type of Lease
FILE	+1					1	STATE X	FEE
LAND OFFICE	2						.5. State Oil	& Gas Lease No.
OPERATOR								
OFERATOR								
APPLICATI	ON FOR P	ERMIT TO	DRILL, DEEPEN,	OR PLUG BA	CK			
1a. Type of Work							7. Unit Agre	ement Name
DRILL X	7]		DEEPEN		PLUG B	ACK		
b. Type of Well	_						8. Form or L	
OIL GAS WELL 2	С	HER		ZONE ZONE		ZONE X	GAIN CO	<u>M</u>
2. Name of Operator							9. Well No. 12E	
Southland Roy	alty Con	pany						d Pool or Wildcat
3. Address of Operator						und	Basin D Undes	d Pool, or Wildcat lakota Chasara
P. O. Drawer	570, Fa	rmingtor	1, NM 8/401		0		TITITI	THITTINITY
4. Location of Well	TER O	LOC	ATED 820' F	EET FROM THE	South	LINE		
30401	D.	-a-	E OF SEC. 16 T	wp. 28N R	10	W NMPM		
AND 1840' FEET FRO	THE LC	est Lin	E OF SEC. 16 T	мь. <u>78N</u>	TITT	VIIII	12. County	· Millilli
							San Jua	n ////////
<i>HHHHHH</i>	44444	HHH	/////////////////////////////////////	<i>HHHH</i>	1111	11111		
/////////////////////////////////////	HHH	+++++	}}	9. Proposed Dep		A. Formation		20. Hotory or C.T.
				6710 '		oakota-C		Rotary
21. Elevations (Show whether D	F, RT, etc.)	21A. Kind	& Status Plug. Bond 2	.1B. Drilling Con	itractor			. Date Work will start Lry 1, 1980
5990' GR							rebrua	Ty 1, 1900
23.		P	ROPOSED CASING AND	CEMENT PROC	GRAM			
SIZE OF HOLE	SIZE OI	CASING	WEIGHT PER FOOT	SETTING D	DEPTH	SACKS OF	CEMENT	EST. TOP
12 1/4"		5/8"	24#	200'		140 Sac	ks	
7 7/8"		1/2"	15.5#	6710'		215 Sac	ks (Stgl	.)
							ks (Stg2	
			1	ı		'150 Sac	ks (Stg3	,)
It is anticated to the second of the second	Alamo sar mud will ipated th pressure ted that ed for ap	nd is at l be used nat an II es or pos this wel		ty log wil re anticip led before	ll be intending ated in July	oun from in this 31, 198	well.	
			•	e e e e e e e e e e e e e e e e e e e				
				c 20				
			1	7-80	An improvement			
						DRESENT BRO	ODUCTIVE ZONE	AND PROPOSED NEW PRODU
IN ABOVE SPACE DESCRIBE I	NTER PROGRAM	. IF ANY.				PRESENT FRO		
I hereby certify that the informa	ition above is	true and com						
Signed ()	an Ky	an	Title District P	roduction	Manage	<u>er</u> .	Date11	/-/9
(This space for	or State Use)) ane	TITLE DESIGN ON	a 1.5] 💖 (35	Now West	· 13	DATE	<i>y</i>
		x						

CONDITIONS OF APPROVAL, IF ANY:

November 7, 1979

Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

Attention: Mr. Al Kendrick

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 safe operation.

Yours truly,

L. O. Van Ryan District Production Manager

LOVR/dg

DRILLING SCHEDULE - CAIN COM #12E

LOCATION: 820' FSL & 1840' FEL, Section 16, T28N, RlOW, San Juan County, New Mexico

FIELD: Basin Dakota/Undes. Chacra <u>ELEVATION</u>: 5990' GR <u>TD</u>: 6710'

GEOLOGY:

Formation Tops:

1302' Gallup 5582**'** Ojo Alamo 1827' Graneros 6392' Fruitland 6512' Dakota 2072**'** Pictured Cliffs 3170' Chacra 3652' Cliff House 4352' Point Lookout

Logging Program: IES and GR-Density from Total Depth to 1600'.

Coring Program: None

Natural Gauges: None

DRILLING:

Contractor:

Tool Pusher:

SRC Representative:

SRC Answering Service:

325-1841

Dispatch Number:

325-7391

Mud Program: Fresh water to 5500'. Mud up at 5500'. Maintain mud wgt. of 8.9 - 9.3; vis of 35 - 40 sec; water loss of 10 - 12 cc. Anticipate losing circulation at top of Dakota formation - have ICM abailable on location.

MATERIALS:

Casing Program:	Hole Size	<u>Depth</u>	Casing Size	Wt.	Grade
	12-1/4"	200'	8-5/8"	24#	K-55
	7-7/8"	6710 '	5-1/2"	15.5#	K-55

FLOAT EQUIPMENT:

8-5/8" Surface Casing: Pathfinder guide shoe.

5-1/2" Production Casing: Pathfinder guide shoe and Howco self-fill insert valve.

Run 5 centralizers every other joint above shoe. Run Dowell stage tool at 4750' and 2170'. Run cement basket 1 joint below and 5 centralizers above each tool.

Wellhead Equipment: 8-5/8" X 10", 2000# Bradenhead with 5-1/2" casing hanger.

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



