NO. OF COPIES REC	EIVED						· ~ ~ ~ ~		S-1263/8
DISTRIBUTION		T-1	NEW	EXICO OIL	CONSER	VATION COMMISSION	, F	orm C-101	
SANTA FE		+-1	MEN W	EXICO OIL	CONOLIN	THE COMMISSION	F	Revised 1-1-6	5
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LAND OFFICE		+					1		
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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK									ement Name
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2. Name of Operator							ŀ	9. Well No:	
Southland	Rovalty	Company					İ	1	
Southland Royalty Company 3. Address of Operator								10. Field and Pool, or Wildcat	
P.O. Drawer 570, Farmington, NM 87499							Basin	Dakota	
4. Location of Well				1000	:	ET FROM THE North		THIN I	
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HHHHH	111111	HHH	IIIIII		$IIII_{1}$, Proposed Depth	19A. Formation	L	20. Rotary or C.T.
						5700'	Dakota		Rotary
21. Elevations (Sho	w whether DF,	RT, etc.)	21A. Kind (Status Plug	Bond 2	B. Drilling Contractor		22. Approx	. Date Work will start
5232' GL						•		June	15, 1985
23.									
23.	•	•	PF	ROPOSED CA	SING AND	CEMENT PROGRAM			
·		0.75.05	CACING	WEIGHT PE	TO FOOT	SETTING DEBTI	SACKS OF	CEMENT	EST. TOP
			CASING						,
SIZE OF	HOLE		<u> </u>						
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	HOLE				K-55		165 cuf Stage 1	t/140 sx : 300 sx	s Surface
12-1/4"	HOLE	8-5/8"		24#,	K-55	2001	165 cuf Stage 1 - 412	t/140 sx : 300 sx cu.ft.	s Surface s Gallup
12-1/4"	HOLE	8-5/8"		24#,	K-55	2001	165 cuf Stage 1 - 412 Stage 2	t/140 sx : 300 sx cu.ft. : 350 sx	s Surface s Gallup
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Form C-102 Supersedes C-128 Effective 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Well No. Operator HARPER VALLEY SOUTHLAND ROYALTY COMPANY Township Range Unit Letter 29N 14W San Juan C 15 Actual Footage Location of Well: 1450 West 1055 North line and feet from the line feet from the Dedicated Acreages Producing Formation Ground Level Elev: 160 Dakota Basin 5232 ' GL 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? If answer is "yes;" type of consolidation __ Yes No 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 certify that the information con-1450 Terry Hobbs Dist. Operations Engineer Sec. Southland Royalty Company April 12, 1985 I hereby certify that the well location on this plat was plotted from field 15 of actual surveys made by me or my supervision, and that the same rue and correct to the best of my 1985 3950 Scale: 1"=1000'

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

HARPER VALLEY #1

1055' FNL & 1450' FWL Section 15, T29N, R14W San Juan County, New Mexico

Field: Basin Dakota <u>Elevation</u>: 5232' GL

Geology:

Formation Tops: Fruitland 480' Gallup 4475'

Pictured Cliffs 745' Greenhorn 5270' Cliff House 2250' Dakota 5440' Point Lookout 3375' Total Depth 5700'

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

(Induction curve to be traced on Density Log).

Drilling:

Contractor: Tool Pusher:

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

Dispatch Number: 325-7391

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

<u>Materials</u>:

Casing Program: Hole Size Depth Set Casing Size Weight & Grade

12-1/4" 200' 8-5/8" 24# K-55
7-7/8" 5650' 4-1/2" 10.5# K-55

Float Equipment:

8-5/8" Surface Casing: Cement nose guide shoe.

4-1/2" Production Casing: Cement nose guide shoe, self-fill flapper float

collar run one joint above shoe, and 5 centralizers run every other joint above shoe joint. Run stage collars at \pm 3700' and \pm 1100' with cement basket one joint below, and five centralizers every other

joint above stage collar.

Well Equipment: 8-5/8" X 10", 2000 psi casing head

10", 2000 psi X 6", 2000 psi tubing head X 2-3/8" tubing

hanger.

Cement Program:

8-5/8" Surface Casing:

140 sacks (165 cu.ft.) of Class "B" with 1/4# flocele per sack and 3% CaCl2. WOC 12 Hours. Pressure test to 600 psi prior to drilling out. (100% excess).

4-1/2" Production Casing:

STAGE ONE

200 sacks (294 cu.ft.) of Class "B" 50/50 Poz with 4% gel, 1/4# flocele per sack, tail in with 100 sacks (118 cu.ft.) of Class "B" neat with 2% CaCl2.

(Volume is 50% excess to cover Gallup.)

STAGE TWO

300 sacks (441 cu.ft.) of Class "B' 50/50 Poz with 4% gel, 1/4# flocele per sack, tail in with 50 sacks (59 cu.ft.) of Class "B" neat with 2% CaCl2.

(Volume is 50% excess to cover Cliff House.)

STAGE THREE

145 sacks (214 cu.ft.) of Class "B" 50/50 Poz 4% gel and 1/4# flocele per sack. (Volume is 50% excess to cover Fruitland.)

WOC and circulate 4 hours between stages. Adjust cement volume to caliper log.

R. E. Fielder District Production Manager

MRL/CTH/eq

4/12/85



April 12, 1985

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

RE: Blowout Preventer Plan

Dear Mr. Chavez:

All drilling and completions 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

C. Terry Hobbs

District Operations Engineer

CTH/eg

Attachment



