SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved.

reverse side)

Budget	Bureau	No.	42-R142
\ \U =	2	4,	4-

(May 1965)	UNI DEPARTMEN	TED STATES	NTER	reverse si	de)	30 - 045 - 3	
		OGICAL SURVE				SF-077648	
APPLICATI	ON FOR PERMIT	TO DRILL, D	EEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
la. TYPE OF WORK	DRILL 🛛	DEEPEN [PLUG BAG		7. UNIT AGREEMENT N	NAME
b. TYPE OF WELL OIL WELL	GAS WELL OTHER		SIN ZON	GLE MULTIP	LE X	8. FARM OR LEASE NA	ME
2. NAME OF OPERATO						Davis	
Southlan	d Royalty Company	<i>!</i>					
3. ADDRESS OF OPERA						#10E	*
P. O. Dr	awer 570, Farming	gton, NM 874	401			10. FIELD AND POOL, O Başin Dakota	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) Lindesignate 11. SEC., T., B., M., C.						Undesignated 11. SEC., T., B., M., OR AND SURVEY OR A	BLK.
/ 1760' FS	L & 800' FWL					AND SCRIBT OR A	N.D.A.
At proposed prod	. zone					Section 12,	T31N, R12W
14 DISTANCE IN MI	LES AND DIRECTION FROM NE	AREST TOWN OR POST	r office			12. COUNTY OR PARISE	1 13. STATE
	ately 5 miles NW					San Juan	New Mexico
Approx 111	PROPOSED*	OI AZCCO, IL	16. No.	OF ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED	,
LOCATION TO NE.	AREST	800 '		2198.38			76.94/141.92
18. DISTANCE FROM	PROPOSED LOCATION* LL, DRILLING, COMPLETED.		19. PRO	DPOSED DEPTH	20. ROTARY OR CABLE TOOLS		
OR APPLIED FOR, O	N THIS LEASE, FT.	310'		7529'	<u> </u>	Rotary	CONT. WILL COM. DOM.
21. ELEVATIONS (Show	w whether DF, RT, GR, etc.)					March 15, 19	
6257 ' GF	(March 13, 19	
23.		PROPOSED CASIN	NG AND	CEMENTING PROGR.	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	тоот	SETTING DEPTH	TH QUANTITY OF CEMENT		NT
12 1/4"	9 5/8"	32.3#		200'	110 Sacks		
8 3/4"	7"	23#		5115'	115 Sacks (Stage One)		
						acks (Stage Tw	0)
6 1/4"	4 1/2"	10.5#		4965'-7000'	1300 S	acks	
6 1/4"	4 1/2"	11.6#		7000 '- 7529 '			

Surface formation is Nacimeinto.

Top of Ojo Alamo sand is at 1469'.

Top of Mesa Verde sand is at 4359'.

Fresh water mud will be used to drill from surface to Intermediate TD.

Gas will be used to drill from Intermediate TD to Total Depth.

It is anticipated that a GR-Induction and GR-Density log will be run at Total Depth.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before August 31, 1980. This depends on time required for approval, rig availability and the weather.

Gas is dedicated.

we pertinent data on subsurface locations and measure	d and true vertical depths. Give blowd
TITLE District Engineer	12-4-79
	Name of the second
APPROVAL DATE	DECS 0 1979
Fruh	DIST. 3
	APPROVAL DATE

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 kevised 10-1-78

All distances must be from the cuter boundaries of the Section

Sperator			Lease		Well No.
SOUTHLAND :	ROYALTY COMPAN	ΛĀ	DAVIS		10-E
Unit Letter	Section	Township	Range	County	
L	12	31N	12W	San Juan	
Actual Footage Loc					
1760	feet from the	South line and		t from the West	line
Ground Level Elev.	Producing Form		Pool	1	Dedicated Acreage: 276,94
6257	Dakota	/ Fruitland	Basin / Undesi	gnated	+320/160 141/92 Acres
1. Outline th	e acreage dedicat	ted to the subject w	ell by colored pencil o	or hachure marks on the	e plat below.
2. If more th	an one lease is	dedicated to the we	ll, outline each and ide	ntify the ownership th	ereof (both as to working
interest an	nd royalty).	•			
			1.10 11 11		,, ,
				have the interests of	all owners been consoli-
dated by c	ommunitization, u	nitization, force-pool	ing. etc!		
	□ N. If	:. 46	of accordidation		
Yes	No If an	swer is yes, type	of consolidation		
If answer	is "no" list the	owners and tract dec	crintions which have ac	ctually been consolidate	ted. (Use reverse side of
	f necessary.)	, and dact des	original will have at		
		d to the well until a	l interests have been	consolidated (by comm	nunitization, unitization,
					approved by the Commis-
sion.	ing, or otherwise,	or until a non-standa	id unit, criminating sac	n interests, has been	approved by the commis
31011.					
					CERTIFICATION
	!		i		
H	l		i	I hereby ce	ertify that the information con-
	1		1	tained here	ein is flue and complete to the
1	1		i	best of my	knowledge and belief.
11	1		1		Parsers
 	1 0		İ	Nome	1 4/04/03
 	+	#			s C. Parsons
	ı		1	Position	5 C. Parsons
	1		i	Distr	ict Engineer
	1		i	Company	
11			1	South	land Royalty Company
<u> </u>	1			Date	
H	l s	ec.		Decemb	ber 4, 1979
	077648				
1	D11040				
!	İ	12	ł	I hereby o	certify that the well location
	. 1		1	shown on t	his plat was plotted from field
	!	11	I	8 1	ctual surveys made by me or
8001	!			3 1	upervision, and that the same
	1		- Second Control of the Control of t	3. Jan 1	d correct to the best of my
	1		/	knowledge	and belief.
#1	+	 	/ 1	4	
	1		15 200	9	
	I .		(DECSO	Date Surve	STEREN
1760	I		OIL COR.	000000	F 15. 43.89
17	!		VOIL DIST.	Registered Pr	rollessional Photheer
	i	i			(30.20)
		!		The state of the s	122 15 fr
				Certificate No	WENERY JT
			•	Certificate N	ERR, JR.
0 330 660 -1	90 1320 1650 1980	2310 2640 200	D 1500 1000 5	00 0 J75U	

Location: 1760' FSL & 800' FWL, Section 12, T31N, R12W, San Juan County, New Mexico

Elevation: 6257' GR Field: Basin Dakota/Undesignated Fruitland

Geology:

Formation Tops:	Fruitland Pictured Cliffs Cliff House	1469' 2409' 2829' 4359'	Point Lookout Gallup Graneros Dakota	5072' 6434' 7199' 7329' 7529'
*	Intermediate TD	502 0'	Total Depth	1549

* INTERMEDIATE TO IS CRITICAL. DO NOT DRILL PAST 5020'. ACCURATE STRAP WILL BE NECESSARY.

Logging Program: IES and GR-Density from Intermediate TD to surface casing.

GR-Induction and GR-Density from Total Depth to Intermediate casing.

None Coring Program:

Natural Gauges: Gauge well at TD. Also gauge any noticeable increases in gas.

Record all gauges in tour book and turn in on morning report.

Drilling:

Tool Pusher: Contractor:

325-1841 SRC Ans. Service: Dispatch Number: 325-7391 SRC Representative:

Mud Program: Fresh water mud from surface to Intermediate TD.

Gas from Intermediate TD to TD.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. &	Grade
	12 1/4" 8 3/4" 6 1/4"	200' 5115' 4965'-7000' 7000'-7529'	9 5/8" 7" 4 1/2" 4 1/2"	32.3# 23.0# 10.5# 11.6#	H-40 K-55 K-55 K-55

Float Equipment:

9-5/8" Surface Casing: Pathfinder type "A" guide shoe.

7" Intermediate Casing: Pathfinder type "A" guide shoe. Self-fill insert float valve run 2 joints above shoe. 5 Pathfinder rigid stabilizers run every other joint above shoe. Run Dowell stage tool at 3030'. Run cement basket below and 5 Pathfinder

rigid stabilizers above tool.

4-1/2" Liner: Liner hanger with neoprene pack-off. Pathfinder type "AP" guide shoe and type "A" float collar.

Wellhead Equipment: 9 5/8" x 10", 2000# casing head with 7" casing hanger

10', 2000# x 6", 2000# tubing head and tree

		7		•
DRILLING	SCHEDULE -	DAVIS	#10E	
Page two				

Cementing Program

9-5/8" surface casing: 110 sacks (125 cu. ft.) of Class. "B" with 1/4# gel flake per sack and 3% CaCl₂. WOC 12 hours. Test to 600# prior to drilling out. (Volume is 100% excess.)

STACE ONE: 115 sacks (170 cu. ft.) of 50/50 Class "B" 7" Intermediate casing: Poz w/6% gel (mixed with 7.2 gals. water/sack). (Volume is 50% excess to cover top of Cliff House.)

> STAGE TWO: 180 sacks (352 cu. ft.) of 50/50 Poz w/6% gel followed by 70 sacks of Class "B" w/2% CaCl2. (Volume is

50% excess to cover top of Ojo Alamo.

WOC and circulate between stages as required by well conditions. WOC 12 hours and test to 1000 psi prior to drilling out.

4-1/2" Liner: 300 sacks (447 cu. ft.) of 50/50 Poz w/6% gel, 1/4# gel flake/sk, 0.6% Halad 9 or equivalent. (Volume is 70% excess.)

If hole gets wet and mist drilling is required use 353 sacks (527 cu. ft.) for 100% excess.

L. O. Van Ryan

Date

BJM/ke



December 4, 1979

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

tive supervising these operations.

D

Dear Sir:
Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Davis #10E 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.
There will be no camps or airstrips.
Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks.
Water supply will be Farmer's Ditch
The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Yours truly,

Mr. Ross Lankford will be Southland Royalty Company's field representa-

Curtis C. Parsons District Engineer

CCP/ke

December 4, 1979

United States Geological Survey Mr. James Sims P. O. Box 959 Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Sir:

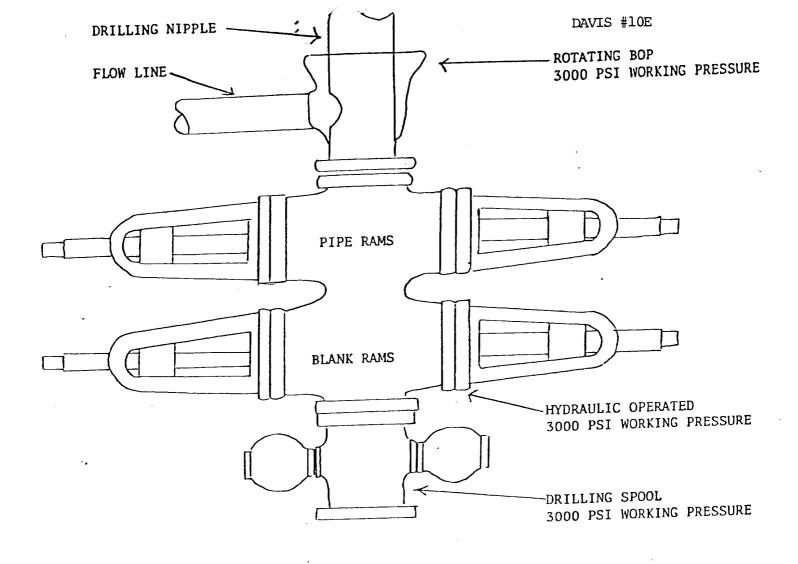
All drilling and completion rigs will be equipped with 8" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

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.

Yours truly,

Curtis C. Parsons District Engineer

CCP/ke



PREVENTERS AND SPOOLS ARE TO HAVE THROUGH BORE OF 6" - 3000 PSI OR LARGER



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: December 4, 1979

L. O. Van Ryan

District Production Manager

LOVR/ke

