UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR PERMIT TO DRIL	L, D	EEPEN, OR I	PLUG BACK		
la.	TYPE OF WORK DRILL	5.	LEASE NUME SF-0776	2.5		
1b.	TYPE OF WELL GAS	6.	IF INDIAN,		RIBE NAM	E
2.	OPERATOR SOUTHLAND ROYALTY CO.	7.	UNIT AGREE	EMENT NAME	:	
3.	ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8.	FARM OR LE RICHARD WELL NO. 101			
4.	LOCATION OF WELL 1870'N 1300'E JE CON. DIV. DIST. 3	11.	SEC. T. R.		D COAL	
14.	DISTANCE IN MILES FROM NEAREST TOWN 7 MILES FROM AZTEC	12.	COUNTY SAN JUAN	13. STAT		
15.	DDADACED FACAMIAN 1244	S IN 240	LEASE 17.	ACRES ASS		WEL:
18.		OSED 2567	DEPTH 20. This action is subprocedural review and appeal pursu	ROT	ARY and CPR 3185.3	OOLS
21.	ELEVATIONS (DF, FT, GR, ETC.) 6173'GL	2	2. APPROX.			ART
23.	PROPOSED CASING AND	CEME	NTING PROGR	MAS		
	*SEE OPERATIONS P	LAN	SUBJECT TO	PERATIONS AUTHO COMPLIANCE WI REQUIREMENTS".	TH ATTACHED	
24.	AUTHORIZED BY: REGULATORY AFFAIRS	ed		DAT	60-89 E	
PERMI	T NO APPROVA	L DA	TE	AP PR	OVED ζ^{γ}	
APPRO	OVED BYTITLE		DATE _		IENDED	
NOTE:	THIS FORMAT IS ISSUED IN LIEU OF U	S BLI	M FORM 3160	APR 1	8 1889 July	•
	No.		- 7	AREA M	ANAGER	

DATE: APR 7,1989

Well Name: 101 RICHARDSON

101 RICHARDSON 1870'N 1300'E

Sec. 10 T31N R12W SAN JUAN NEW MEXICO

BASIN FRUITLAND COAL Elevation 6173'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 893

Kirtland- 913

Fruitland- 2195

Fruitland Coal Top- 2423

Fruitland Coal Base- 2562

Intermediate TD- 2420

Total Depth- 2567

Pictured Cliffs- 2572

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program:	Hole Size	Depth Interva 0 - 200		Weight 32.3#	Grade H-40
	8 3/4"	0 - 2420	7"	20.0#	K-55
Tubing Program:	6 1/4"	2370 - 2567 0 - 2567	5 1/2" 2 7/8"	15.5# 6.5#	K-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production liner - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 177 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 459 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The E/2 of Section 10 is dedicated to this well.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410

DISTRICT I 7.0. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			L	CLE				Well No.	
		yalty Compa			chardson	(SF-(77651)	10	1
Unit Letter H	Section 10	Township 31 No)	2029	West		County	7-4	
Actual Footage Loca		1 21 11	7 1 611	14	11626	NMPY	U 28	an Juan	
1870	feet from the	North	line and	1300		feet from	the Eas	line	
Ground level Elev.	Produ	cing Formation		00l		1000		Dedicated Acre	age:
6173	Fri	uitland Coa	1	E	Basin			320.0	Acres
1. Outine	the acresge dedica	sted to the subject well	by colored pencul	or hachure m	eres on the pist bei	ow.			
2. If more	than one lease is o	dedicated to the well, or	tline each and id	entify the own	eration thereof (both	as to work	ing interest and	royaity).	
					•		_	•	
	than one lease of ion, force-pooling,	different ownership is d stc.?	ecucated to the w	ell, nave the i	iterest of all owner	Peer course	Historical by commi	TRIBITIZZEION.	
	Yes	No If answ	ver is "yes" type						
	is "no" list the own if neccessary.	ners and tract description	ns which have ac	tually been co	nsolidated. (Use re	vense side o	f		
No allows	bie will be assigne	ed to the well until all in				n, unitizatio	n, forced-poolin	g, or otherwise)	
orumiia:	non-standard unit,	eliminating such interes	t, has been appro	wed by the Div	/1.530 0.	///	, - ,		
	1	<u>\</u>	<u> </u>	<i>////////</i>	<i>/////////////////////////////////////</i>		OPERAT	OR CERTIF	CATION
	1	[3		1		1	•	certify that t	•
	i	3		i 1		• • • • • • • • • • • • • • • • • • • •		in in true and . ledge and belief.	•
	1	3		,					
	i			i	0		Signature	(K)	
	i	3		i	028		[][][][4]	Mad,	Luce
}		3		i	12		Printed Name) Bradfiel	đ
				t	1	2	Position		
-		3		i	1			ory Aff	airs
				1	1		Сопреву		
		3		200	. /300	·		and Roya	lty Co
		-		7			Date 4-	10.89	
		3		 					
							SURVE	OR CERTIF	ICATION
			\mathcal{O}	! !			I hereby certi	fy that the well	location sho
1	14.			1			on this plat	vas plotted from	n field notes
	1	.))		Ì				s made by me ud that the sai	
	i			1			correct to the	e best of my	knowledge d
	i						belief. 1-3:		
	İ				S ,		Date Surveyed		
		·			 	— — ®	Neale	C. Edwa	rds
ļ			en og en en en en	ادار روز در ادر م			Signature & S Professional S	eal of	
İ					ra i d		/	(E. C. E.D.	
			C. 31				Ni	SE'N MENTO	13-X-
				And the second					0/5
	1	()]	- KA	1/26	1382	Xan 1
	 				!		Certificate No.		100
							6857		<u>//***/</u>
330 660	990 1320 16	50 1990 2310 26	40 2000	1500	1000 500	Ó		(10) 1 10 °	

