submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**
SOUTHLAND ROYALTY COMPANY

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
850'FSL, 1650'FEL, Sec.30, T-31-N, R-10-W, NMPM

5. **Lease Number**
SF-078134

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
Pierce #3

9. **API Well No.**
30-045-20440

10. **Field and Pool**
Aztec Pictured Cliffs

11. **County and State**
San Juan Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	**Type of Action**	
_X_ Notice of Intent	_X_ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	___ Other -	

13. **Describe Proposed or Completed Operations**

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
FEB - 6 1995
OIL CON. DIV.
DIST. 3

14. **I hereby certify that the foregoing is true and correct.**

Signed Peggy Bradfield (LWD5) Title Regulatory Affairs Date 1/24/95

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED
FEB 01 1995
DISTRICT MANAGER

NMOCD

PLUG & ABANDONMENT PROCEDURE

01/24/95

Pierce #3
Aztec Pictured Cliffs
SE, Section 30, T-31-N, R-10-W
San Juan Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and MOI safety rules and regulations.

2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and load with water. ND wellhead and NU BOP and stripping head; test BOP.

3. POH and tally 1" tubing. LD production tubing and PU 2 3/8" work string. Run gauge ring (4 1/2", 23#) to 2700'.

4. **Plug #1 (Pictured Cliffs top & perfs, 2552' -- 2652'):** TIH with 4 1/2" CR and set @ 2602'. Establish rate and squeeze PC perforations with 9 sxs Class B cement. Sting out of retainer and spot 4 sxs cement on top of retainer to 2552'. Pressure test 4 1/2" casing to 500# psi. Pull up hole to 2296' and reverse circulate.

5. **Plug #2 (Fruitland top, 2196' -- 2296'):** Spot 12 sxs Class B cement from 2196' -- 2296'. WOC 4 hours. TIH and tag Plug #2. POOH.

6. **Plug #3 (Kirtland/Ojo Alamo tops, 1172' -- 1335'):** Perforate 4 holes @ 1335'. PU 4 1/2" cement retainer and RIH; set @ 1285'. Establish rate with water into perfs. Mix and pump 56 sxs Class B cement, squeeze 39 sxs cement outside casing and leave 17 sxs inside. Pressure test casing to 500# psi.

7. **Plug #4 (Surface and Nacimiento top, 350' -- Surface):** Perforate 2 holes @ 350'. Establish circulation out bradenhead valve. Mix and pump approximately 79 sxs Class B cement down 4 1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

9. Restore location per BLM stipulations.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

LWD/CRF/crf

Pierce #3

P & A

Aztec Pictured Cliffs

SE, Section 30, T-31-N, R-10-W,
San Juan County, NM

Spud: 3-27-69
Completed: 4-5-69

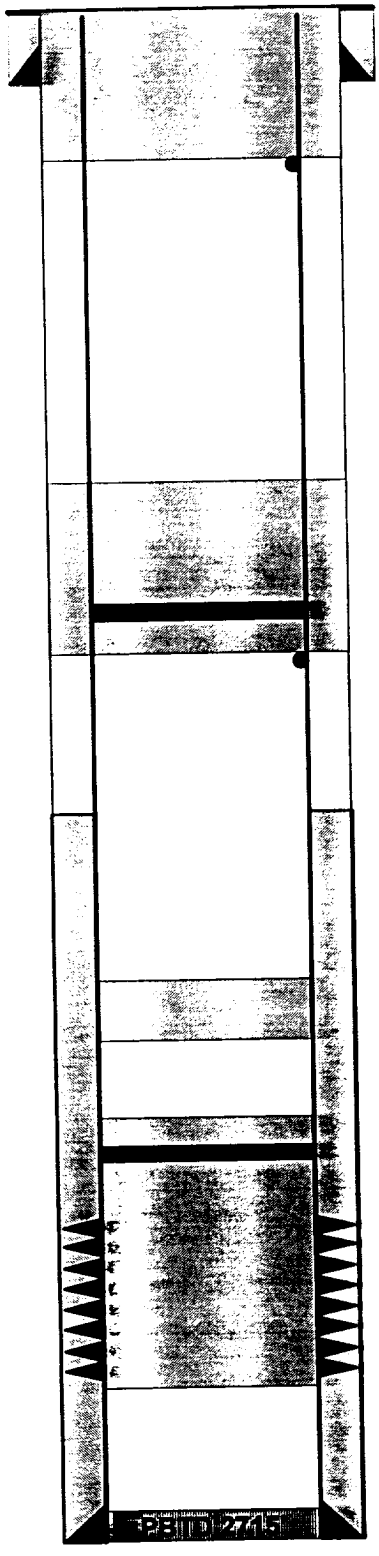
Nacimiento @ 300'

Ojo Alamo @ 1222'

Kirtland @ 1285'

Fruitland @ 2246'

Pictured Cliffs @ 2602'



TD 2720'

8-5/8" 24#, J55 Csg set @ 113'
Cmt w/50 sxs (Circulated to Surface)

Plug #4 -- Nacimiento & Surface -- Perf @ 350'
79 sxs Class B Cement

Plug #3 -- 1172' -- 1335' -- Perf @ 1335
(CR @ 1285')'
56 sxs Class B Cement

Top of Cmt (4-1/2") @ 1900' Calc.

Plug #2 -- 2196' -- 2296'
12 sxs Class B Cement

Plug #1 -- 2552' -- 2652'
(CR @ 2602')
13 sxs Class B Cement

Perforations @ 2625' -- 2659'

4-1/2" 9.5#, J55 set @ 2720'
(100 sxs cement)

PERTINENT DATA SHEET

1/24/95

WELLNAME:	Pierce #3	**DP NUMBER:**	58904
WELL TYPE:	Aztec Pictured Cliffs	**ELEVATION:**	GL: 5954' KB: 5966'
LOCATION:	850' FSL, 1650' FEL Sec. 30, T31N, R10W San Juan County, NM	**INITIAL POTENTIAL:** **SICP:**	AOF 6,177 Mcf/d 337 psig
OWNERSHIP:	GWI: 100.0000% NRI: 85.2500%	**DRILLING:**	SPUD DATE: 03-27-69 COMPLETED: 04-05-69 TOTAL DEPTH: 2720' PBTD: 2715'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	
12 1/4"	8-5/8"	24#	J55	113'	-	50 sx	Circ.	Surface
6 3/4"	4 1/2"	9.5#	J55	2720'		100 sx	Calc.	1900'
Tubing	1"	4.7#	EUE	2625'				

FORMATION TOPS:

Nacimiento	300'		
Ojo Alamo	1222'	Mancos	
Kirtland	1285'	Gallup	
Fruitland	2246'	Greenhorn	
Picture Cliffs	2602'	Graneros	
Lewis		Dakota	
Cliff House			
Menefee			
Point Lookout			

LOGGING: Induction electric

PERFORATIONS 2625' – 41'; 2655' – 59' w/4 spf

STIMULATION: 30,030 gal. water & 25,000# 10/20 sand

WORKOVER HISTORY: During completing; perforated 2 squeeze holes @ 2678', and squeezed two times with a total of 200 sxs.

PRODUCTION HISTORY:	Gas	Oil
Cumulative as of 1994:	798 MMcf	0 MBbl
Current:	0 Mcf	0 Bopd

DATE OF LAST PRODUCTION:	Gas	Oil
July, 1992	86	0

PIPELINE: SUG

Pierce #3

P & A

Aztec Pictured Cliffs

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San Juan County, NM

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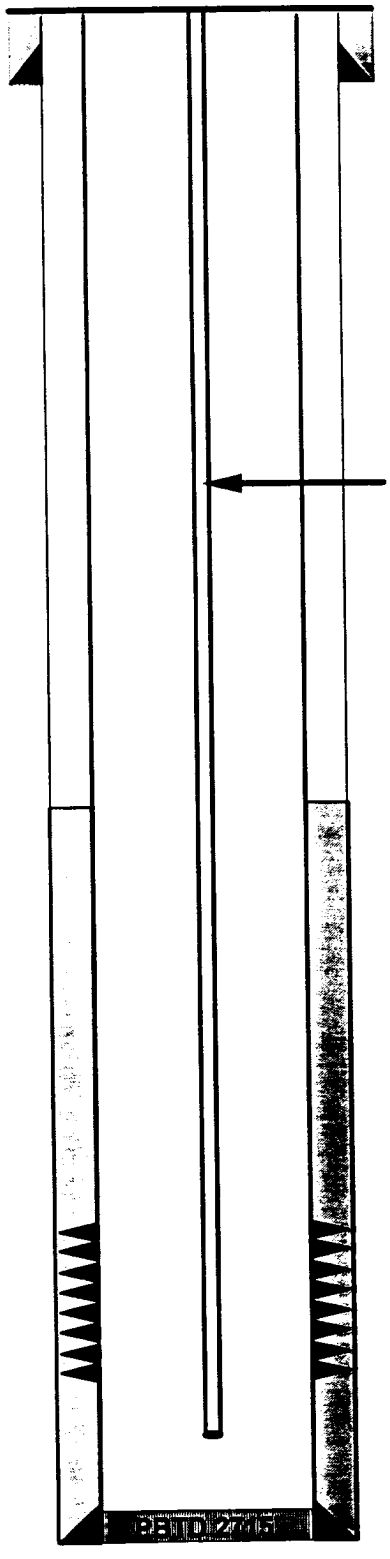

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