

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
JUL 27 PM 2:19

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  
1120' FSL, 1120' FEL, Sec.3, T-29-N, R-14-W, NMPM

5. Lease Number  
SF-078110  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
8. Well Name & Number  
Locke #1  
9. API Well No.  
30-045-25630  
10. Field and Pool  
Basin Dakota  
11. County and State  
San Juan Co, NM

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

Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other -  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

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JUL - 6 1995  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (LWD4) Title Regulatory Affairs Date 6/23/95

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_  
CONDITION OF APPROVAL, if any:

APPROVED  
AS AMENDED  
Date

JUL 03 1995  
DISTRICT MANAGER

NMOCD

## PLUG & ABANDONMENT PROCEDURE

6/16/95

Locke #1  
Basin Dakota  
DPNO 43590  
SW Section 3, T-29-N, R-14-W  
San Juan County, 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 for cement washout only. Comply to all NMOCD, BLM, and MOI safety regulations.
2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. Run gauge ring (4 1/2", 10.5#) to 5744'. POOH and PU 4 1/2" CR.
4. **Plug #1 (Dakota perfs, 5744'--5622')**: Set 4 1/2" CR @ 5672'. Establish rate and squeeze DK perforations with 19 sxs Class B cement. Sting out of retainer and spot 4 sxs on top of retainer. PT casing to 500 psi and PUH to 2252'.
5. **Plug #2 (Mesaverde top, 2252' -- 2152')**: Mix 12 sxs Class B cement and spot balanced plug from 2252' -- 2152'. PUH to 1079'.
6. **Plug #3 (Pictured Cliffs & Fruitland tops, 1079' -- 580')**: Mix 106 sxs Class B cement and spot balanced plug from 1079' -- 580'. TOOH with workstring.
7. **Plug #4 (286' -- Surface)**: Mix and pump approximately 22 sxs Class B cement and pump 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. Note the cement level in the casing and annulus; fill as necessary. Install P&A marker to comply with regulations.
9. Rig down, cut off anchors, move off location, and restore location per BLM stipulations.

Recommended: \_\_\_\_\_  
Operations Engineer

Approval: \_\_\_\_\_  
Production Superintendent

LWD/CRF/cf

# Locke #1

P & A

Basin Dakota  
DPNO 43590

1120' FSL, 1120' FWL,  
Section 3, T-29-N, R-14-W, San Juan County, NM

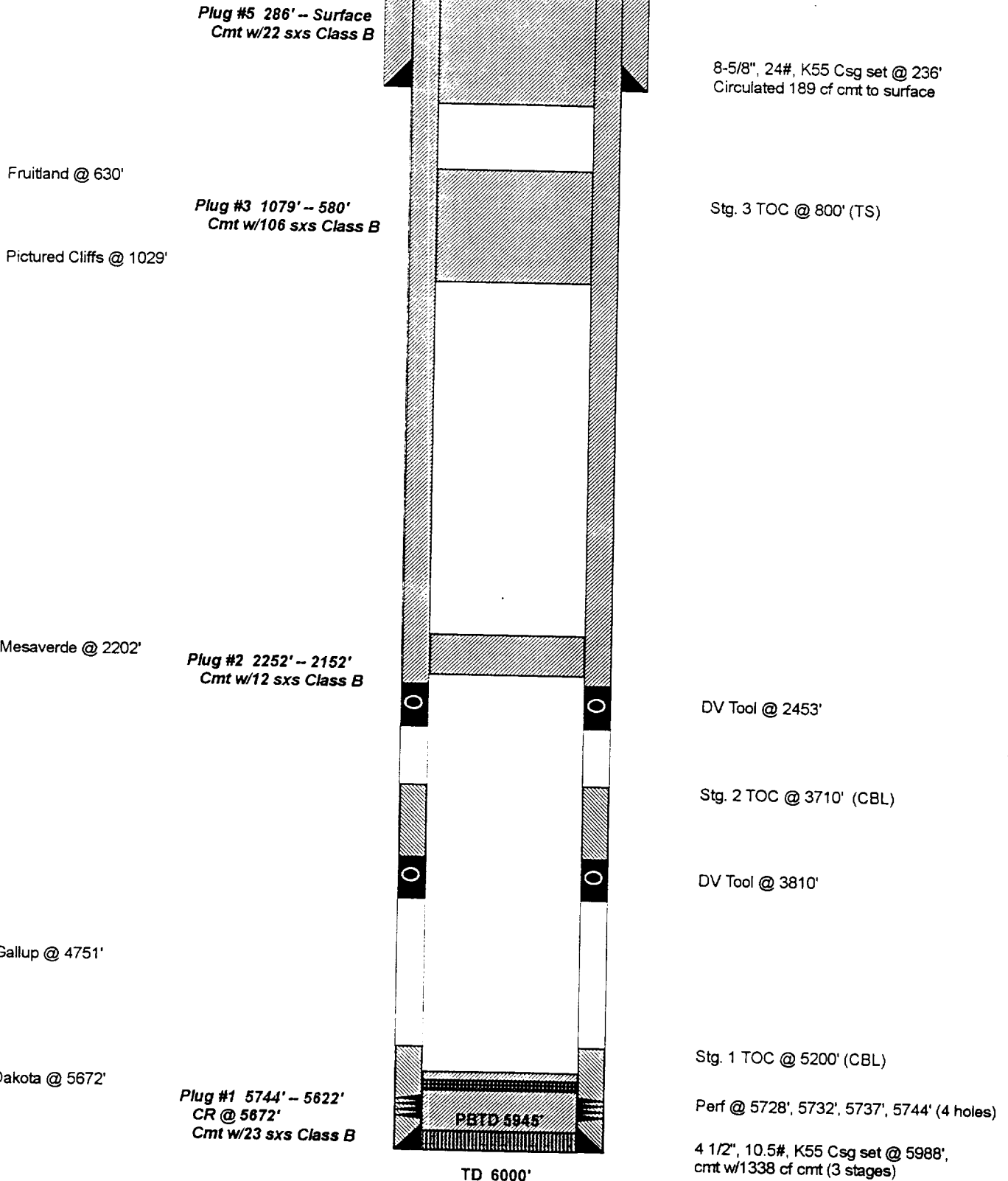
Spud: 6-6-83

Completed : 6-25-83

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SEP  
1983

55 JUL 27 1983

C/O FRANKTON, NM



# PERTINENT DATA SHEET

5/23/95

WELLNAME: Locke #1					DP NUMBER: 43590				
					PROPERTY NUMBER: 0107053				
WELL TYPE: Basin Dakota					ELEVATION: GL: 5476' KB: 5488'				
LOCATION: 1120' FSL, 1120' FEL Sec. 3, T29N, R14W San Juan County, NM					INITIAL POTENTIAL: AOF 666 Mcf/d  INITIAL SICP: 7/83 269 psig CURRENT SICP: psig				
OWNERSHIP: GWI: 100.0000% NRI: 80.0000% SJBT: 0.0000%					DRILLING: SPUD DATE: 06-06-83 COMPLETED: 06-25-83 TOTAL DEPTH: 6000' PBTD: 5945'				
CASING RECORD:									
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>		
12 1/4"	8 5/8"	24#	K55	236'		189 cf	Cir.	Surface	
7 7/8"	4 1/2"	10.5#	K55	5988'		Stg.1 289 cf	CBL	5200'	
					DV @ 3810'	Stg.2 789 cf	CBL	3710'	
					DV @ 2453'	Stg.2 260 cf	Cir.	Surface	
Tubing	2 3/8"	4.7#	J55	5738'	8rd, EUE				
FORMATION TOPS:									
Nacimiento					Point Lookout				
Ojo Alamo					Gallup				
Kirtland			Surface		4751'				
Fruitland			630'		Greenhorn				
Pictured Cliffs			1029'		Graneros				
Chacra			1668'		Dakota				
Mesaverde			2202'		5672'				
LOGGING: CDL/CNL, IEL, & CBL									
PERFORATIONS 2728', 5732', 5737', 5744' (Total of 4 holes)									
STIMULATION: 40,124 gal. of frac. fluid and 25,000# 20/40 sand									
WORKOVER HISTORY: None									
PRODUCTION HISTORY:									
Cumulative as of 1995:		<u>Gas</u> 43.9 MMcf	<u>Oil</u> 1.0 Mbo	DATE OF LAST PRODUCTION:			<u>Gas</u>	<u>Oil</u>	
Current:		0 Mcf	0 bo	September, 1992			154 Mcf	0 Bo	
PIPELINE: EPNG									

# Locke #1

CURRENT -- 2-15-95

Basin Dakota  
DPNO 43590

1120' FSL, 1120' FWL,  
Section 3, T-29-N, R-14-W, San Juan County, NM

Spud: 6-6-83

Completed : 6-25-83

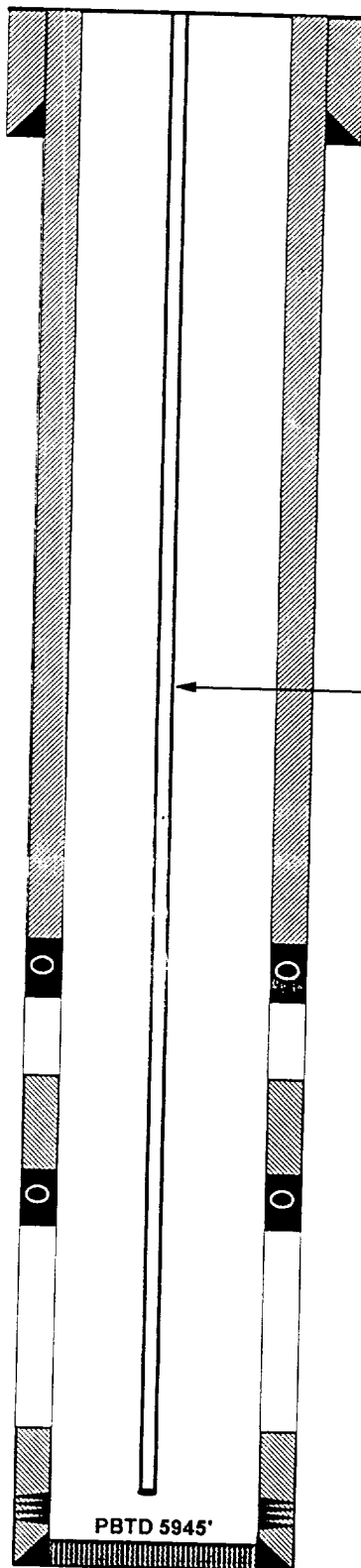
Fruitland @ 630'

Pictured Cliffs @ 1029'

Mesaverde @ 2202'

Gallup @ 4751'

Dakota @ 5672'



8-5/8", 24#, K55 Csg set @ 236'  
Circulated 189 cf cmt to surface

Stg. 3 Circ. to Surface

2 3/8", 4.7#, J55 Tubing set @ 5738'

DV Tool @ 2453'

Stg. 2 TOC @ 3710' (CBL)

DV Tool @ 3810'

Stg. 1 TOC @ 5200' (CBL)

Perf @ 5728', 5732', 5737', 5744' (4 holes)

4 1/2", 10.5#, K55 Csg set @ 5988',  
cmt w/1338 cf cmt (3 stages)