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

5. **Lease Number**
NOG-0651-1131

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

7. **Unit Agreement Name**

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

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

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

9. **API Well No.**
30-045-11609

4. **Location of Well, Footage, Sec., T, R, M**
1990'FNL, 1100'FEL, Sec.24, T-27-N, R-9-W, NMPM

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	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
JAN 17 1995
OIL CON. DIV.
DIST. 3

070 FARMINGTON NM

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

Signed [signature] (ROS1) Title Regulatory Affairs Date 12/29/94

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

APPROVED
JAN 10 1995
DISTRICT MANAGER

PERTINENT DATA SHEET

WELLNAME:	Jernigan #3	**DP NUMBER:**	35313
		PROP. NUMBER:	0020289
WELL TYPE:	Basin Dakota	**ELEVATION:**	GL: 5985'
			KB: 5997'
LOCATION:	1990' FNL 1100' FEL NE Sec. 24, T27N, R9W San Juan County, New Mexico	**INITIAL POTENTIAL:**	AOF
		SICP:	Sept., 1985 646 PSIG
OWNERSHIP:	GWI: 25.000000% NRI: 21.875656%	**DRILLING:**	SPUD DATE: 01-15-66 COMPLETED: 02-08-66 TOTAL DEPTH: 6678' PBTD: COTD:

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
12-1/4"	8-5/8"	24.0#		321'	-	170 sx	surface
7-7/8"	5-1/2"	14.0# & 15.5#		6622'	DV Tool @ 2125'	365 sx	surface
					DV Tool @ 4523'	300 sx	circulate
					Float Collar @ 6591'	205 sx	5550' (TS)
Tubing	2-3/8"	4.7#	J-55	6207'			

197 jts 2-3/8", 4.7#, J-55, tbg set at 6207', Top of fish @ 6507', 214' of fish in hole.

FORMATION TOPS:

Nacimiento	473'	Mesaverde	3555'
Ojo Alamo	1110'	Gallup	5455'
Kirtland	1230'	Dakota	6425'
Fruitland	1612'		
Pictured Cliffs	1995'		

LOGGING: ES-IND, FDC-GR, Nat. TVD/MD-GR, CBL-GR w/CC, DBT-DTL, Gamma Collar Perf Record, Temp. Survey

PERFORATIONS (MV) 4274' - 80', 4286' - 91', 4298' - 4302', 4306' - 12', 4321' - 32', 4340' - 42', 4347' - 63', w/2 SPF, Total 100 holes

(DK) 6362' - 67', 6428' - 45', 6496' - 6511', w/4 SPF, Total 148 holes

STIMULATION: (MV) Frac w/60,000# 20/40 and 40,000# 10/20 sand, w/FR-8 3# per 1000. Total water 70,840 gal.

(DK) Frac w/60,000# 20/40 and 40,000# 10/20 sand, w/3# FR-8 per 1000, KCL 1%. Total water 108,930 gal.

WORKOVER HISTORY:

August 1994: Pulled tbg; set CR @ 6275', sqzd off open hole & DK perfs w/100 sx cmt. PU 2-7/8" dp and whipstock, mill window at 6231' - 6237', drill new high angle open hole to 6811' MVD, 6607' TVD, ran GR log, pipe stuck, back off and fish, back off again and fish, back off 2-7/8" dp at 6507', left 214' pipe in hole, set tbg at 6207'

July 1994: Pulled tbg; set RBP at 4493'; sqzd off MV perfs with 250 sx cmt; pressure tested OK; removed Model D pkr at 6300', deepend well to 6678', logged 56' of new 4-3/4" open hole; set 2-3/8" tbg at 6245'

PRODUCTION HISTORY:	Gas	Oil
Cumulative as of Aug. 94:	2568.3 MMcf	26.2 MBbl
Current Rate:	0 Mcfd	0 Bopd

DATE OF LAST PRODUCTION:	Gas	Oil
July, 1990	5.55 Mcf/D	0 bbl/D
April, 1994	0 Mcf/D	0.03 bbl/D

PIPELINE: EPNG

PLUG & ABANDONMENT PROCEDURE

12-22-94

Jernigan #3 (Dk)
NE, Sec. 24, T29N, R9W
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. Comply to all NMOCD, BLM, and MOI regulations.

2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND and NU BOP, test.

3. POH and tally 2-3/8" EUE tubing (197 jts @ 6207'), visually inspect. If necessary PU 2" workstring. PU and round trip 5-1/2" casing scraper or gauge ring to 6180'.

4. **Plug #1 (Dakota formation, 6557' - 6130'):** PU 5-1/2" cement retainer and RIH; set at 6180'. Pressure test tubing to 1000#. Establish rate into Dakota open hole interval. Mix and pump 85 sx Class B cement, squeeze 79 sx cement below cement retainer from 6557' to 6180' into Dakota formation and leave 6 sx on top of retainer to 6130'. Pull above cement and load well with water; circulate clean. Pressure test casing to 500#. POH with setting tool.

5. **Plug #2 (Gallup top, 5505' - 5405'):** Perforate 4 squeeze holes at 5505'. If casing tested, attempt to establish rate into squeeze holes. PU 5-1/2" cement retainer and RIH; set at 5455'. Mix 47 sx Class B cement, squeeze 30 sx cement outside 5-1/2" casing from 5505' to 5405' and leave 17 sx cement inside casing over Gallup top. POH to 3605'.

6. **Plug #3 (Mesaverde top, 3605' - 3505'):** Mix 17 sx Class B cement and spot a balanced plug inside casing from 3605' to 3505' inside casing. POH to 2045'.

7. **Plug #4 (Pictured Cliffs and Fruitland tops, 2045' - 1562'):** Mix 61 sx Class B cement and spot a balanced plug inside casing from 2045' to 1562' over Pictured Cliffs and Fruitland tops inside casing. POH to 1280'.

8. **Plug #5 (Kirtland and Ojo Alamo tops, 1280' - 1060'):** Mix 31 sx Class B cement and spot a balanced plug inside casing from 1280' to 1060' over Kirtland and Ojo Alamo tops. POH to 523'.

9. **Plug #6 (Nacimiento top and surface, 523' - surface):** Establish circulation out casing valve. Mix approximately 60 sx Class B cement to circulate good cement out bradenhead valve. Shut in well and WOC.

10. ND BOP and cut below surface casing flange. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors, and restore location.

Recommended: _____
Operations Engineer

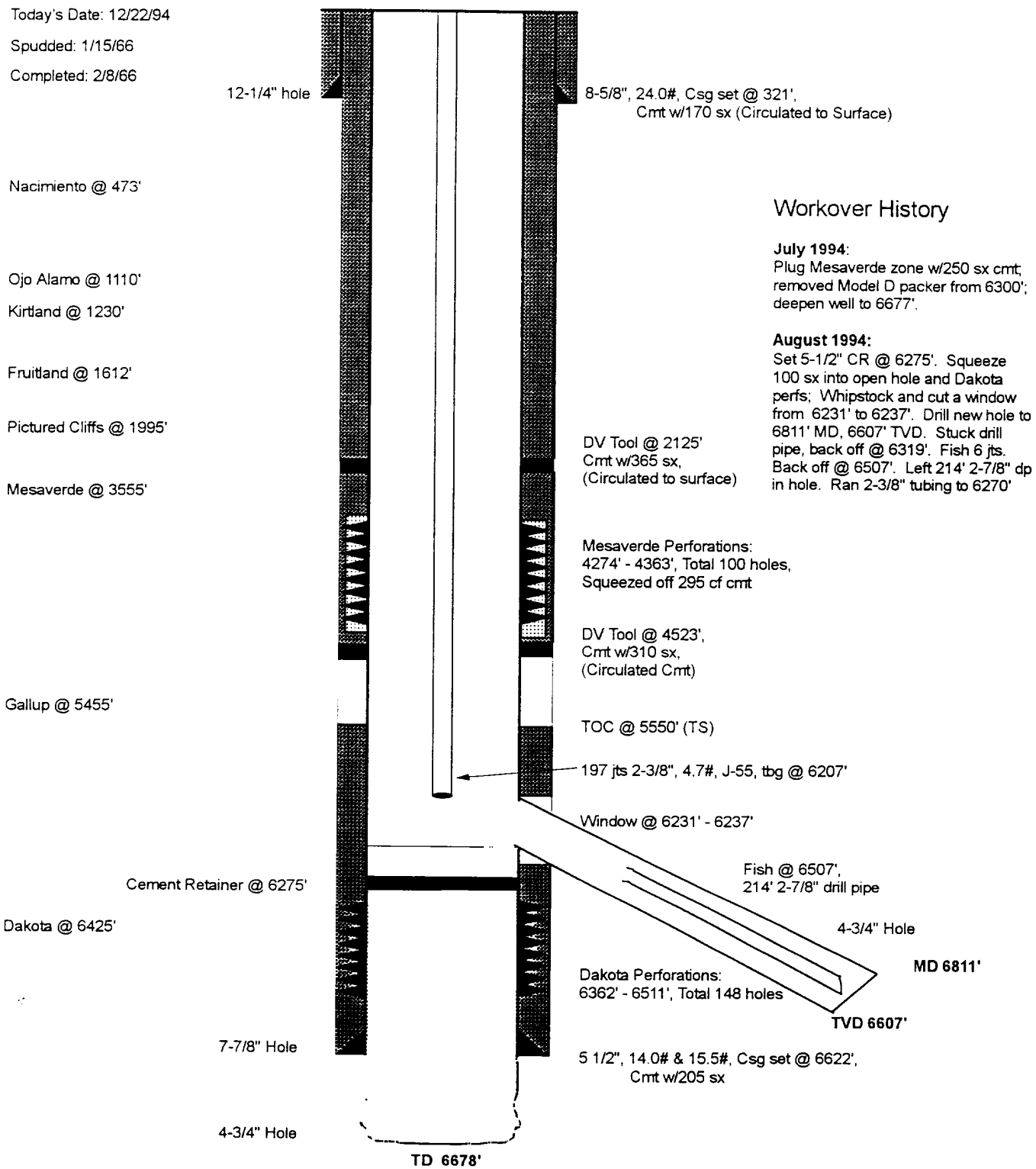
Approval: _____
Production Superintendent

Jernigan #3

CURRENT

Basin Dakota

NE Section 24, T-29-N, R-9-W, San Juan County,NM



Workover History

July 1994:
Plug Mesaverde zone w/250 sx cmt; removed Model D packer from 6300'; deepen well to 6677'.

August 1994:
Set 5-1/2" CR @ 6275'. Squeeze 100 sx into open hole and Dakota perfs; Whipstock and cut a window from 6231' to 6237'. Drill new hole to 6811' MD, 6607' TVD. Stuck drill pipe, back off @ 6319'. Fish 6 jts. Back off @ 6507'. Left 214' 2-7/8" dp in hole. Ran 2-3/8" tubing to 6270'

Jernigan #3

PROPOSED P & A

Basin Dakota

NE Section 24, T-29-N, R-9-W, San Juan County, NM