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**
   990'FNL, 1840'FWL, Sec.1, T-31-N, R-12-W, NMPM

5. **Lease Number**
   SF-077648

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

7. **Unit Agreement Name**

8. **Well Name & Number**
   Davis #13

9. **API Well No.**
   30-045-11085

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	___ 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
	_X_ Other - Bradenhead repair	

13. **Describe Proposed or Completed Operations**

It is intended to repair the bradenhead of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAR 2 7 1995
OIL CON. DIV.
DIST. 3

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

Signed [signature] (LWD4) Title Regulatory Affairs Date 3/13/95

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

MAR 20 1995

DISTRICT MANAGER

NMOCD

WORKOVER PROCEDURE - BRADENHEAD REPAIR

DAVIS # 13
Dakota
NW/4 Sec. 1, T31N, R12W
San Juan Co., New Mexico
DPNO 11612

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.

2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 2% KCl water.

3. Blow down tubing (231 jts of 2 3/8", 4.7#, EUE set at 7315') to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection.

4. PU on tubing and strap out of hole. Visually inspect tubing, and replace joints that are in bad condition. Note any buildup of scale, and notify Operations Engineer.

5. RU wireline unit. Run gauge ring (4 1/2", 11.6 ppf) to PBTD of 7545'. PU 4 1/2" RBP and TIH. Set RBP at 7100'. Pressure test casing to 1000 psig. Spot one sack of sand on top of RBP. POOH.

6. Run CBL (with 1000 psig pressure) to determine TOC. Estimated TOC is calculated at 1816' (75% efficiency). Contact Operations Engineer for design of squeeze cement.

7. Perforate 4 squeeze holes 20' above TOC. TIH with 4 1/2" fullbore packer and set 250' above perforations. Pressure up casing/tubing annulus to 500 psig. Establish rate into perforations with bradenhead valve open. Max pressure 1000 psig.

8. Mix and pump cement. (If cement circulates to surface, go immediately to tail slurry.) Displace cement to packer. Close bradenhead valve and squeeze 2 to 3 bbl of cement into perforations. Maintain squeeze pressure and WOC 12 hours (overnite).

9. Release packer and POOH. TIH with 3 7/8" bit and drill out cement. Pressure test casing to 1000 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.

10. TIH with retrieving tool and retrieve RBP. POOH and LD RBP. TIH with 3 7/8" bit and CO to PBTD with air. Blow well clean and gauge production. POOH.

11. TIH with production tubing (seating nipple with pump-out plug one joint off bottom). Land tubing at 7440'.

12. ND BOP's and NU wellhead. Pump plug from tubing. Obtain final gauge.

13. Release rig.

Recommend: _____
Operations Engineer

Approve: _____
Drilling Superintendent

Contacts:			
	Cement	Cementers Inc	632-3683
	Downhole Tools	Baker	325-0216
	Wireline	Basin	327-5244
	Operations Engineer	Larry Dillon	326-9714

PERTINENT DATA SHEET

3/8/95

WELLNAME:	Davis 13	**DP NUMBER:**	11612
WELL TYPE:	Basin Dakota	**ELEVATION:**	GL: 6296' KB: 6308'
LOCATION:	990' FNL, 1840' FWL Sec. 1, T31N, R12W San Juan County, New Mexico	**INITIAL POTENTIAL:**	AOF 4,736 MCF/D 8/11/64 INITIALSICP 1,966 psig 7/23/94 CURRENT SICP 753 psig 5/2/92
OWNERSHIP:	GWI: 25.0000% NRI: 21.7500% SJBT: 75.0000%	**DRILLING:**	SPUD DATE: 6/26/64 COMPLETED: 7/30/64 TOTAL DEPTH: 7581' PBTD: 7545'

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT		TOC
12 1/4	8 5/8	24#	J55	303'	-	234 sx		
7 7/8"	4 1/2"	9.5 /10.5 #	J55	7580'		250 sx	1 stage	TS 6870'
					Stg collar @ 5470	200 sx	2 stage	Calc 4232'
					Stg collar @ 3054	200 sx	3 stage	Calc 1816'
Tubing	2 3/8"	4.7#	J55	7315'	231 Jts.			

FORMATION TOPS:

Ojo Alamo		Cliff House	4439'
Kirtland		Menefee	
Fruitland		Point Lookout	5120'
Pictured Cliffs	2848'	Mancos	5390'
Lewis		Gallup	6493
Huerfanito Bentonite		Greenhorn	7193'
Chacra		Graneros	7244'
Farmington		Dakota	7387

LOGGING: IES and GR-Density Logs, TS, GR/CCL

PERFORATIONS 2 SPF - 7304'-7313'; 7327'-7334'; 7456'-7462'; 7473'-7475'; 7478'-7482
4 SPF - 7398'-7417'; 7430'-7438'

STIMULATION: Frac'd DK with 62,000 gals. of treated water, and 60,000# 20/40 sand, and 10,000# 10/20 sand.

WORKOVER HISTORY: 12/77 - Plunger Lift Installation
11/85 - Changed out casing valves.

PRODUCTION HISTORY:	Gas	Oil	**DATE OF LAST PRODUCTION:**	Gas	Oil
Cumulative as of 1994:	1.2 BCF	7.2 MBO	12- 94	757 MCF/M	0
Current:	757 MCF/M	0			
Cumulative as of 1994:					
Current:					

PIPELINE: Sunterra Gas Gathering Co.

Davis # 13

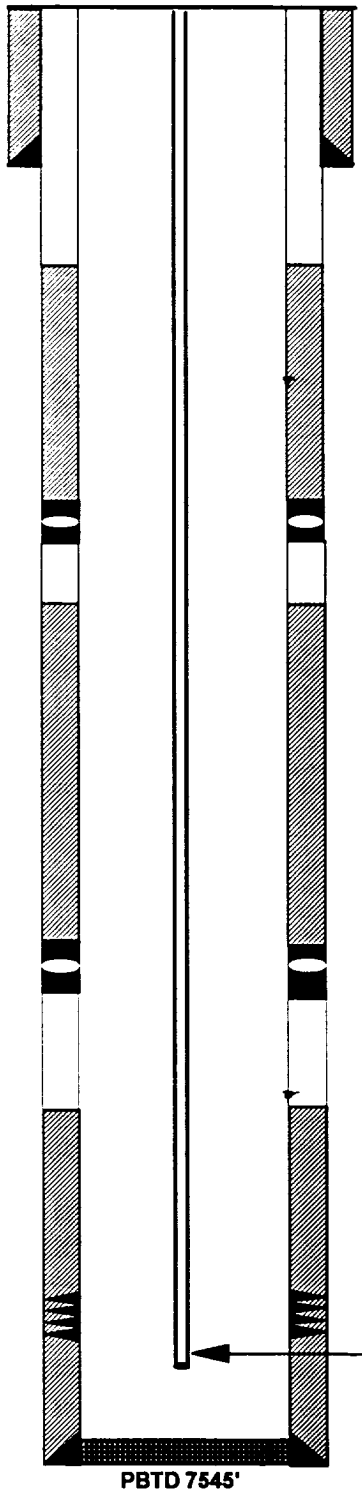
CURRENT - 3/7/95

Basin Dakota
DPNO: 11612

990' FNL, 1840' FWL,
Section 1, T-31-N, R-12-W,
San Juan County, NM

Spud: 06-26-64

Completed : 08-01-64



8-5/8" 24# J55 Csg set @ 303'
circ. 234 sx to surface.

TOC @ 1816'
(75% Efficiency)

Pictured Cliffs @2848"

Stage tool set @ 3054',
Stage 3 circulated 200 sx cmt -

TOC @4232'
(75% Efficiency)

Cliff House @ 4439"

Point Lookout @ 5120'

Mancos @ 5390'

Stage tool set @ 5470',
Cmt Stage 2 w/ 200 sx

Gallup @ 6493'

TOC @ 6870' (TS)

Greenhorn @ 7193'

Graneros @ 7244

Perfs: 2 SPF- 7304'-7313; 7327'-7334'; 7456'-7462';
7473'-7475'; 7478'-7482'.
4 SPF - 7398'-7417'; 7430'-7438'.

2 3/8", 4.7#, J44 Tubing set @ 7315'

4 1/2", 9.5# & 10.5#, J55 ,Csg set @
7580',Cmt. 1st Stage w/ 250 sx

Dakota @ 7387'

PBTD 7545'
TD 7581'