

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
810'FNL, 895'FWL, Sec.31, T-32-N, R-10-W, NMPM

5. Lease Number
SF-080313
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Harrison #1A
9. API Well No.
30-045-21797
10. Field and Pool
Blanco Pictured Cliffs/
Blanco Mesaverde
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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ 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
APR 20 1995
OIL COAL DIV.
DET. 8

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

Signed John B. Stahpuld (LWD4) Title Regulatory Affairs Date 4/10/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

APR 13 1995

DISTRICT MANAGER

NMCCD

WORKOVER PROCEDURE - BRADENHEAD REPAIR

HARRISON # 1A

Pictured Cliffs/Mesaverde Dual
NW/4 Sec. 31, T32N, R10W
San Juan Co., New Mexico
DPNO 27296 (MV); 27301 (PC)

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 1% KCl water.
3. Blow down Pictured Cliffs tubing (91 jts, 1 1/4", 2.33 ppf, EUE), and Mesaverde tubing (150 jts, 1 1/2", 2.9 ppf, IJ and EUE) to atmospheric tank. Control well with 1% 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 Pictured Cliffs tubing and strap out of hole. Unseat Mesaverde tubing from production packer (4 1/2" Baker Model F, bore ID = 2.39") at 3089', 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.) Send packer seal assembly to Baker for re-dress.
5. RU wireline unit. Run gauge ring in intermediate casing (7", 23 ppf) to top of 4 1/2" liner at 2991'. Wireline set 7" RBP at 2850'. Pressure test casing to 1000 psig. Spot two sacks of sand on top of RBP.
6. Run CBL (with 1000 psi) to determine TOC behind 7" casing. Estimated TOC is 2320' from previous CBL (inconclusive results). (Contact Operations Engineer for design of cement slurry.) Perforate 4 squeeze holes 20' above TOC.
7. TIH with 7" fullbore packer and set 150' above squeeze holes. Pressure up backside to 500 psig. Establish rate into perforations with bradenhead valve open.
8. Mix and pump cement with turbulent flow behind pipe. (Note circulation from bradenhead valve.) Displace cement to packer, close bradenhead valve and squeeze cement into perforations. (Max pressure 1000 psig.) Maintain squeeze pressure and WOC 12 hours (overnite).
9. Release packer and POOH. TIH with 6 1/8" bit and drill out cement. Pressure test casing to 1000 psig. Re-squeeze as necessary to hold pressure and to stop bradenhead flow.
10. TIH with retrieving tool and retrieve RBP from 7" casing. POOH and LD 7" RBP.

11. TIH with 2 1/4" bit or mill and CO to PBTD with air. Blow well clean and gauge production. POOH.
12. TIH with Mesaverde production tubing (seating nipple and pump-out plug one joint off bottom). Land tubing at 5360' with packer seal assembly landed at 3089'. TIH with Pictured Cliffs production tubing (seating nipple and blanking plug one joint off bottom), and land at 2950'.
13. ND BOP's and NU wellhead. Pull blanking plug from Pictured Cliffs tubing, and pump plug from Mesaverde tubing. Obtain final gauges.
14. Release rig.

Recommend:


Operations Engineer

Approve:


Drilling Superintendent

Contacts:

Cement
Wireline
Operations Engineer

Halliburton
Blue Jet
Larry Dillon

325-3575
325-5584
326-9714

PERTINENT DATA SHEET

3/8/96

WELLNAME: Harrison #1A				DP NUMBER: 27296 (MV) 27301 (PC)				
WELL TYPE: Blanco Pictured Cliffs Blanco Mesaverde				ELEVATION: GL: 6170' KB: 6182'				
LOCATION: 810' FNL, 895' FWL Sec. 31, T32N, R10W San Juan County, New Mexico				INITIAL POTENTIAL: AOF 13,118 Md/d (MV) No Test (PC) SICP: 6/91 305 psig (MV) No Production (PC)				
OWNERSHIP: GV: MV PC 25.0000% 25.0000% NRI: 23.0240% 25.5000% SJBT: 75.0000% 75.0000%				DRILLING: SPUD DATE: 08-16-75 COMPLETED: 09-02-75 TOTAL DEPTH: 5390' PBTD: 5338'				
CASING RECORD:								
HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	
13 3/4"	9 5/8"	32.3# & 33.74#	H40	318'	-	270 sx	Circ. Surface	
8 3/4"	7"	23#	K55	3131'		300 sx	CBL 2320'	
6 1/4"	4 1/2"	10.5#	K55	2991' – 5380'	Liner Hanger @ 2991'	205 sx	Circ. 2991'	
Tubing (MV)	1 1/2"	2.9#	J55	5245'	Baker Model F Packer @ 3089'			
Tubing (PC)	1 1/4"	2.3#	V55	2961'	Perf. jt.			
(MV) Baker expendable check, x-over, 70 jts. IJ tubing, x-over, Baker locator Seal Assembly, 2 jts. tubing, 4 blast jts., 80 jts. tubing, 2 tubing subs, 1 jts. tubing, x-over (total of 150 jts. 1 1/2", 2.9#, J55) (PC) perf. jt., seating nipple @ 2929', 91 jts 1 1/4"								
FORMATION TOPS:								
	Ojo Alamo		1602'		Mancos			
	Kirtland				Gallup			
	Fruitland		2540'		Graneros			
	Pictured Cliffs		2968'		Dakota			
	Lewis							
	Cliff House		4747'					
	Point Lookout		5213'					
LOGGING: IES, Gamma Ray Neutron, Compensated Density, Bond								
PERFORATIONS (PC) 2998' – 3024' w/2 spf (MV - A) 4800' – 4877' w/1 spf (MV - B) 5265' – 5269'; 5293' – 5327'; 5355' – 5361' w/1 spf 4800' – 4823'; 4827' – 4833'; 4837' – 4877' w/1 spf								
STIMULATION: (PC) 75,180 gal. water & 63,000# 20/40 sand (MV - A) 89,700 gal. water & 45,000# 20/40 sand & 25,000# 40/60 sand (MV - B) 66,700 gal. water & 30,000# 20/40 sand & 30,000# 10/20 sand								
WORKOVER HISTORY: Sep-78 Pulled 1 1/2", 2.9#, EUE tubing. Set Baker Model F Packer @ 3089'. Perfed 6 holes from 2998' – 3024' (would not break down). Spotted 100 gal. 15% HCL from 3035' (still no break). Perfed @ 2998' – 3024' w/2 spf and spotted 500 gal. 28% HCL (Broke down). Fraced well w/ 75,180 gal. water & 63,000# 20/40 sand. Lost nose off expendable check valve and 1 1/2" check in hole - No recovery. Reran production string – 1 1/2", 2.9#, J55, IJ & EUE and landed @ 5245' & 1 1/4", 2.3#, V55 and landed @ 2961'.								
PRODUCTION HISTORY: Gas Oil DATE OF LAST PRODUCTION: Gas Oil								
Cumulative as of 1994:		1.2 Bcf	3.9 Mbo	(MV)	December, 1994 3.8 MMcf/m			0 Bbl
Current:		3.8 MMcf	0 Bbl	(MV)				(MV)
Cumulative as of 1994:		0 Mcf	0 Bbl	(PC)	PC Never Produced			(PC)
Current:		0 Mcf	0 Bbl	(PC)				
PIPELINE: SUG								

Harrison #1A

CURRENT - 2-15-95

Mesaverde DPNO - 27296
Pictured Cliffs DPNO - 27301

810' FNL, 895' FWL,
Section 31, T-32-N, R-10-W, San Juan County, NM

Spud: 8-16-75

Completed : 9-2-75

