

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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
1045'FSL, 1175'FEL, Sec.32, T-32-N, R-8-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-23368
5. Lease Number
6. State Oil&Gas Lease #
K-5737
7. Lease Name/Unit Name
Rattlesnake Canyon
8. Well No.
1A
9. Pool Name or Wildcat
WC;Rattlesnake Pictured
Blanco Mesaverde
10. Elevation:

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back <input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair <input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing <input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -

13. Describe Proposed or Completed Operations

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

RECEIVED
DEC 20 1994
OIL CON. DIV.
FILE 3

SIGNATURE Johnny Robinson (LWD6)Regulatory Affairs December 19, 1994

(This space for State Use)

Approved by Johnny Robinson DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date DEC 20 1994

WORKOVER PROCEDURE - PACKER REPAIR

RATTLESNAKE CANYON # 1A
Pictured Cliffs/Mesaverde Duel
SE/4 Sec. 32, T32N, R8W
San Juan Co., New Mexico

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 fresh water.
3. Blow well down to atmospheric tank. Control well with fresh water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send wellhead to A-1 Machine for inspection and necessary re-dress.
4. PU on Pictured Cliffs tubing (3505' of 1 1/2", 2.76#), and strap out of hole. Control well with fresh water as needed. Visually inspect Pictured Cliffs tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer.
5. PU on Mersverde tubing (5869' of 2 3/8" 4.7#), unseat PBR at 3610', and strap out of hole. Visually inspect Mesaverde tubing, and replace joints that are in bad condition. Note any buildup of scale and notify Operations Engineer.
6. Make casing scrapper (7", 20#) run with 2 3/8" tubing to top of liner at 6570'. PU 7" retrievable packer, TIH and set packer at 3400'. Pressure test 7" casing to 1000 psig, and POOH. If pressure test fails, contact Operations Engineer for repair procedure.
7. PU 3 7/8" bit and clean out to PBTD (6103') with air. Use string float as needed while blowing with air. Blow well clean and obtain gauges, and POOH.
8. TIH with Mesaverde tubing with seating nipple and pump out plug one joint off bottom, and PBR 2270' off bottom. Land tubing at 5880' with PBR seated at 3610'. Wireline set tubing choke one joint above PBR and pressure test Mesaverde tubing to 1500 psig.
9. TIH with Pictured Cliffs tubing, with seating nipple and blanking plug one joint off bottom, and land at 3500'.
10. ND BOP's and NU wellhead. Pull blanking plug from Pictured Cliffs tubing, and then pump plug from Mesaverde tubing.
11. Release rig, rerun packer integrity test, and re-establish production.

Recommended: _____
Operations Engineer

Approval: _____
Drilling Superintendent

Contacts:	Downhole Tools	Baker	325-0216
	Operations Engineer	Larry Dillon	326-9714

Rattlesnake Canyon #1A

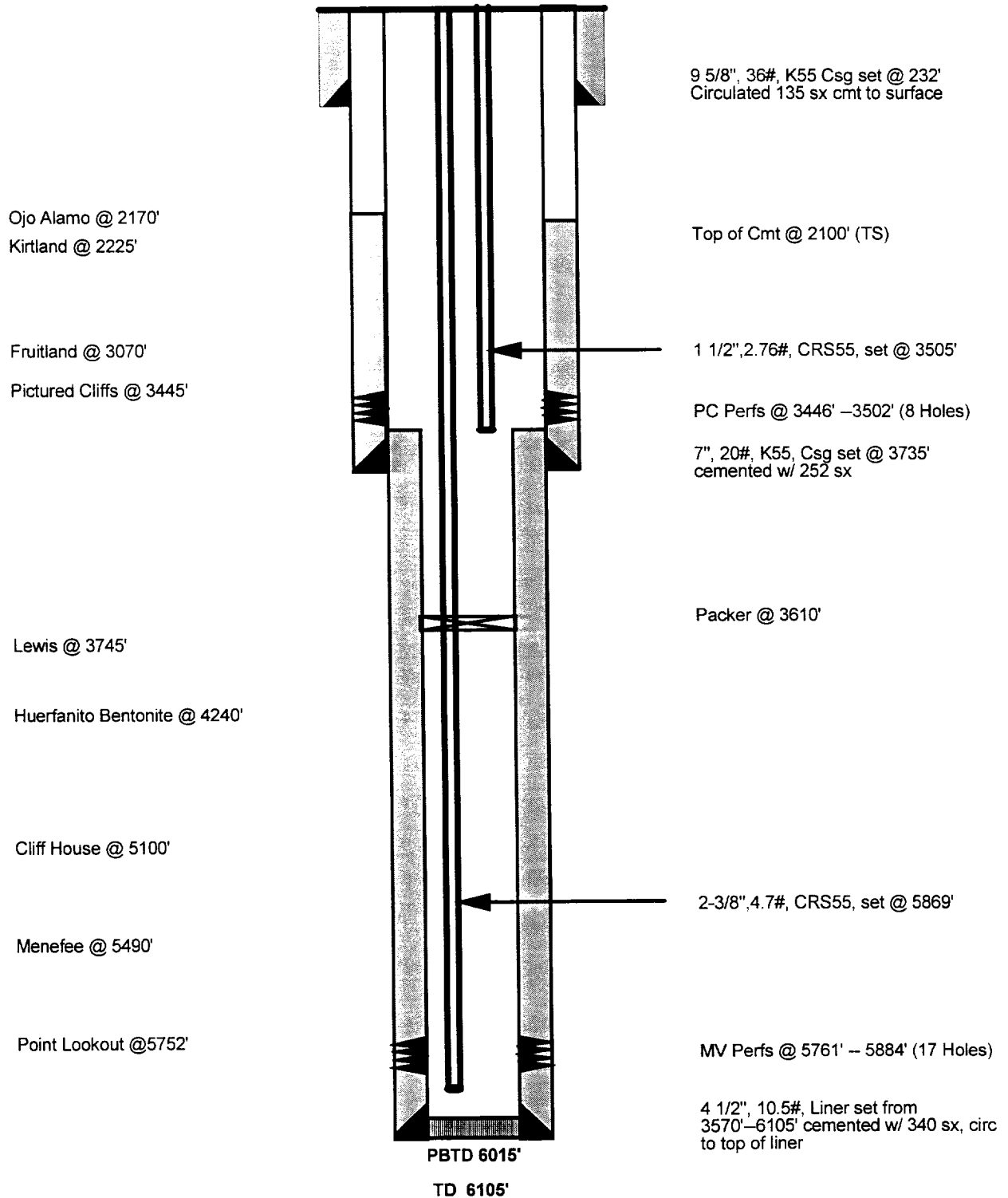
CURRENT - 11-29-94

MV - PC Commingle

1045' FSL, 1175' FEL,
Section 32, T-32-N, R-8-W, San Juan County, NM

Spud: 5-2-79

Completed : 7-8-79



PERTINENT DATA SHEET

12/12/94

WELLNAME: Rattlesnake Canyon #1A	DP NUMBER: 65887 (MV) 65888 (PC)
WELL TYPE: Blanco Mesaverde Pictured Cliffs	ELEVATION: GL: 6547' KB: 6559'
LOCATION: 1045' FSL, 1175' FEL Sec. 32, T32N, R8W San Juan County, New Mexico	INITIAL POTENTIAL: AOF 2,054 Mcf/d (MV) AOF 1,027 Mcf/d (PC) SICP: 1,267 (PC)
OWNERSHIP: <div style="display: flex; justify-content: space-between;"> <div> GWI: 100.0000% NRI: 87.5000% </div> <div> (MV) 100.0000% 87.5000% </div> <div> (PC) 100.0000% 87.5000% </div> </div>	DRILLING: SPUD DATE: 05-02-79 COMPLETED: 07-08-79 TOTAL DEPTH: 6105' PBTD: 6103'

CASING RECORD:							
HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
12 1/4"	9 5/8"	36#	K55	232'	-	135 sx	Surface
8 3/4"	7"	20#	K55	3735'		252 sx	TS 2100'
6 1/4"	4 1/2"	10.5#	K55	3570' -- 6105'		340 sx	Rev. 20 Bbl 3570'
Tubing (MV)	2 3/8"	4.7#	CRS55	5869'	PBR @ 3610'		
Tubing (PC)	1 1/2"	2.76#	CRS55	3505'			

FORMATION TOPS:			
Ojo Alamo	2170'	Menefee	5490'
Kirtland	2225'	Point Lookout	5752'
Fruitland	3070'	Dakota	
Pictured Cliffs	3445'		
Lewis	3745'		
Huerfano Bentonite	4240'		
Cliff House	5100'		

LOGGING:	GR-Induction, GR-Density, & GR-Correlation Logs
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PERFORATIONS	(PC) 3446' -- 3502' (8 holes)
	(MV) 5761' -- 5884' (17 holes)

STIMULATION:	(PC) 101,000 gal. water & 99,000# 20/40 sand
	(MV) 107,000 gal. water & 97,000# 20/40 sand

WORKOVER HISTORY:	NONE
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PRODUCTION HISTORY:	<u>Gas</u>	<u>Oil</u>		DATE OF LAST PRODUCTION:	<u>Gas</u>	<u>Oil</u>
Cumulative as of 1994:	420.3 MMcf	0 Bbl	(MV)	September, 1994	1.4 MMcf	0 Bbl (MV)
Current:	1.4 MMcf/m	0 Bbl	(MV)			
Cumulative as of 1994:	0 Mcf	0 Bbl	(PC)			
Current:	0 Mcf/m	0 Bbl	(PC)			

PIPELINE:	NWP
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