

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

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator MERIDIAN OIL</p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1120'FNL, 790'FWL, Sec.1, T-30-N, R-11-W, NMPM, San Juan County</p>	<p>API # (assigned by OCD) 30-045-24065</p> <p>5. Lease Number Fee</p> <p>6. State Oil&Gas Lease #</p> <p>7. Lease Name/Unit Name Sunray C</p> <p>8. Well No. 1A</p> <p>9. Pool Name or Wildcat Blanco Mesaverde</p> <p>10. Elevation: 5952 GR</p>
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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 - 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 24 1995
OIL CON. DIV.
DIST. 3

SIGNATURE *Johny Robinson* (LWD5) Regulatory Affairs March 23, 1995

(This space for State Use)
Approved by *Johny Robinson* Title Oil & Gas Inspector, Dist. #3 Date MAR 24 1995

WORKOVER PROCEDURE - BRADENHEAD REPAIR

SUNRAY C # 1A
Blanco Mesaverde
NW/4 Sec. 1, T30N, R11W
San Juan Co., New Mexico
DPNO 72572

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 tubing (164 jts. of 2 3/8", 4.7 #, EUE set at 5188') 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 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. PU 3 7/8" bit and casing scrapper, and CO liner (4 1/2", 10.5 ppf) to PBTD of 5331'. POOH. PU 4 1/2" RBP and TIH. Set RBP at 4300'. Pressure test casing to 1000 psig. Spot one sack of sand on top of RBP.
6. RU wireline unit. Run CBL (with 1000 psig pressure) to determine TOC behind 7" casing. Estimated TOC is 1900' (reports in well file indicate temperature survey was run, but log cannot be located). Contact Operations Engineer for design of squeeze cement.
7. Perforate 4 squeeze holes 20' above TOC. TIH with 7" fullbore packer and set 150' 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. (Note any circulation from bradenhead.) Displace cement to packer. Close bradenhead valve and squeeze 2 to 4 bbl of cement into perforations. Maintain squeeze pressure and WOC 12 hours (overnite).
9. TIH with 6 1/4" 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 from 4 1/2" liner. 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 5215'.

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	Halliburton	325-
3575	Downhole Tools	Baker	325-0216
	Wireline	Blue Jet	325-5584
	Operations Engineer	Larry Dillon	326-9714

PERTINENT DATA SHEET

3/16/95

WELLNAME: Sunray C #1A	DP NUMBER: 72572 PROPERTY NUMBER: 0023055																																								
WELL TYPE: Blanco Mesaverde	ELEVATION: GL: 5952' KB: 5964'																																								
LOCATION: 1120' FNL, 490' FWL Sec. 1, T30N, R11W San Juan County, New Mexico	INITIAL POTENTIAL: Unavailable INITIAL SICP: 991 psig 04-07-80 CURRENT SICP: 414 psig 05-15-93																																								
OWNERSHIP: GWI: 62.4766% NRI: 52.0221% SJBT: 37.5234%	DRILLING: SPUD DATE: 02-26-80 COMPLETED: 04-07-80 TOTAL DEPTH: 5349' PBTD: 5331'																																								
CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: left;">HOLE SIZE</th> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">WEIGHT</th> <th style="text-align: left;">GRADE</th> <th style="text-align: left;">DEPTH</th> <th style="text-align: left;">EQUIP.</th> <th style="text-align: left;">CEMENT</th> <th style="text-align: left;">TOC</th> </tr> </thead> <tbody> <tr> <td>13 3/4"</td> <td>9 5/8"</td> <td>36#</td> <td>KS</td> <td>222'</td> <td>-</td> <td>224 cf</td> <td>Circ. Surface</td> </tr> <tr> <td>8 3/4"</td> <td>7"</td> <td>20#</td> <td>K55</td> <td>2930'</td> <td></td> <td>398 cf</td> <td>TS 1900'</td> </tr> <tr> <td>6 1/4"</td> <td>4 1/2"</td> <td>10.5#</td> <td>K55</td> <td>5349'</td> <td>Liner Hanger @ 2784'</td> <td>433 cf</td> <td>Rev. 17 Bbl 2784</td> </tr> <tr> <td>Tubing</td> <td>2 3/8" (164 jts.)</td> <td>4.7#</td> <td>J55</td> <td>5188'</td> <td>Seating Nipple @ 5156'</td> <td></td> <td></td> </tr> </tbody> </table>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	13 3/4"	9 5/8"	36#	KS	222'	-	224 cf	Circ. Surface	8 3/4"	7"	20#	K55	2930'		398 cf	TS 1900'	6 1/4"	4 1/2"	10.5#	K55	5349'	Liner Hanger @ 2784'	433 cf	Rev. 17 Bbl 2784	Tubing	2 3/8" (164 jts.)	4.7#	J55	5188'	Seating Nipple @ 5156'		
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STIMULATION: A) 64,000# 20/40 sand & 124,000 gal. water B) 33,000# 20/40 sand & 66,000 gal. water																																									
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Sunray C #1A

CURRENT -- 3-14-95

Blanco Mesaverde
DPNO 72572

1120' FNL, 490' FWL,
Section 1, T-30-N, R-11-W, San Juan County, NM

Spud: 2-26-80

Completed : 4-7-80

