

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OIL & GAS
DEC 1 1995

Sundry Notices and Reports on Wells

SF-078198

070 FARMINGTON, NM

Lease Number
NM-03758

1. Type of Well
GAS

6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

7. Unit Agreement Name

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

8. Well Name & Number
Sunray C #1A

4. Location of Well, Footage, Sec., T, R, M
1120' FNL, 790' FWL, Sec.1, T-30-N, R-11-W, NMPM

9. API Well No.
30-045-24065

10. Field and Pool
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	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 - Pay add	

13. Describe Proposed or Completed Operations

It is intended to add pay the producing Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

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

Signed [Signature] (MEL5) Title Regulatory Administrator Date 12/4/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date **APPROVED**

CONDITION OF APPROVAL, if any:

DEC 05 1995

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet -Sunray C #1A

Location: NW/4 1120' FNL, 790' FWL, Unit D, Section 1, T30N, R10W,
Lat. 36.84499, Long. 107.94832 by TDG
San Juan County, New

Field: Blanco Mesaverde

Elevation: 5952' GL
KB: 10'

TD: 5349'
PBTD: 5313'

Completed: 04-07-80

Spud Date: 02-26-80

DP No: 72572

Prop. No: 0023055

Fed. No: SF 078198

Casing/Liner Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	36# KS	222'	244 cu. ft.	to surface
8 3/4"	7"	20# K-55	2930'	398 cu. ft.	1900' (TS)
6 1/4"	4 1/2"	10.5# K-55	2785'-5349'	433 cu. ft.	Reverse out 17 bbls cmt

Tubing Record: 2 3/8" 4.7 # J-55 tubing set at 5179'.

Formation Tops:

Ojo Alamo:	1172'	Menefee:	4364'
Pictured Cliffs:	2595'	Point Lookout:	4822'
Cliff House:	4201'		

Logging Record: IL-GR, CDL-GR, Temp. Survey

Stimulation: Sand water fractured Point Lookout 4820'-5215' with 124,000 gallons of water and 64,000# of sand.

Sand water fractured Menefee 4470'-4768' with 66,000 gallons of water and 33,000# of sand.

Workover History:

Bradenhead repair 05-23-95.

Squeezed four holes @ 800' with 300 SX cement circulated to surface.

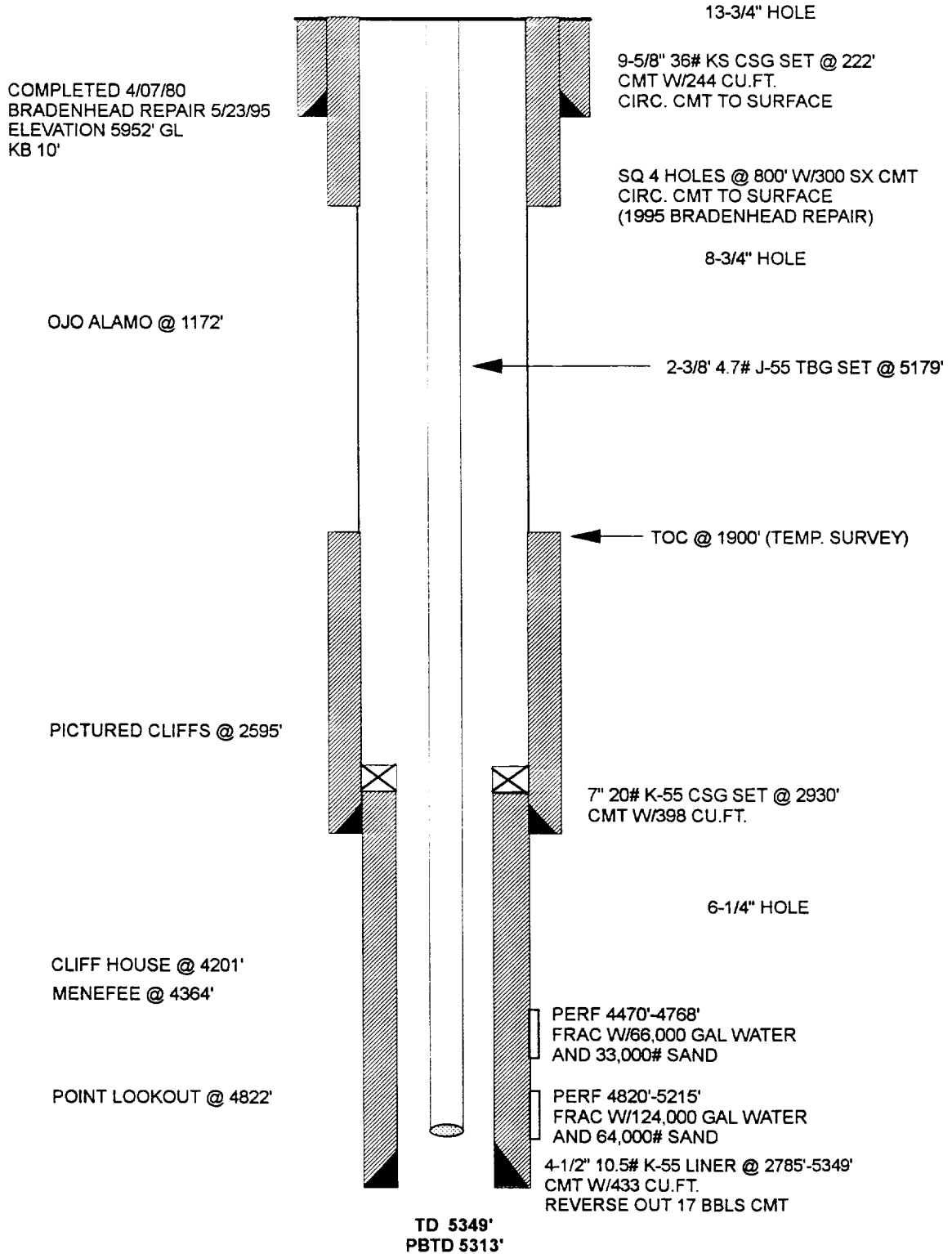
SUNRAY C #1A

BLANCO MESAVERDE

AS OF 7/20/95

1120' FNL, 790' FWL

UNIT D SEC 1, T30N, R11W, SAN JUAN COUNTY, NM



Sunray C #1A - Mesaverde
Cliffhouse Payadd
Lat-Long by TDG: 36.836.84499 - 107.94832
NE/4 Section 1, T30N-R10W
August 31, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 3 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#'s of biocide and filtered (25 micron) 1% KCl water.
2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOO H w/ 2-3/8" tubing set at 5179'. Replace bad tubing as necessary.
3. PU 7" (20#) casing scraper, TIH and run casing scraper to 2785'. TOO H.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBD of 5313'. TOO H.
5. TIH w/ 4-1/2" CIBP and set CIBP @ 4450'. Load hole w/ 1% KCL water and pressure test to 1000 psi. Spot Cliffhouse interval ($\pm 4430'$ - $\pm 4050'$) w/ 254 gallons of inhibited 15% HCL acid. TOO H.
6. RU wireline and run CBL-GR-CCL from $\pm 4450'$ to TOC in 4-1/2" casing (run CBL to find TOC in liner and 7" casing) under 500 psi surface pressure. **Squeeze holes were pressure tested to 1000#.** Run CNL from 4450' to 3800'. Send copy of logs to engineering and perforation intervals will be provided. TIH w/ 7" fullbore packer and 1000' of 3-1/2" N-80 frac string. Set packer and pressure test casing and CIBP to 3000 psi. Release packer and TOO H standing back frac string.
7. Perforate the Cliffhouse interval ($\pm 4430'$ - $\pm 4080'$) top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. (Intervals will be provided after reviewing logs.) Inspect guns to ensure all perforations fired. RD wireline.
8. TIH w/ 7" fullbore packer and 1000' of 3-1/2" N-80 frac string. Set packer.
9. **Maximum allowable treating pressure is 3000 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ maximum rate pressure will allow dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer and TOO H standing back frac string.
10. RU wireline, run 4-1/2" junk basket and knock balls off of perforations.
11. TIH w/ 7" fullbore packer and 1000' of 3-1/2" N-80 frac string. Set packer.
12. **Hold safety meeting. Maximum allowable surface treating pressure is 3000 psi.**
13. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Cliffhouse interval @ 45 BPM using a 70Q foam with 30# linear gel and 150m lbs of sand tagged w/ Iridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation and wait three hours for the gel to break.
14. Flow well back through a choke at a low enough rate so that sand is not flowing back.
15. Once pressure allows release packer and TOO H standing back frac string. Check and inspect packer.

Sunray C #1A
Mesaverde Payadd
August 31, 1995

16. TIH w/ 3-7/8" bit and drill up CIBP set @ 4450'. CO to PBSD (5313'). PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge for Mesaverde after clean up.
25. When sand has diminished, TOOH.
26. RU wireline company. Run After Frac GR from 4500' to top of tracer activity. RD wireline.
27. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the remaining 2-3/8" production tubing. CO to PBSD (\pm 5313'). Land tubing near bottom perforation (5215').
28. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Approval:

Drilling Superintendent

Approval:

Gerald F. Fische 9-28-95
Northwest Basin Team Leader

Contacts:

Engineer - Todd Mushovic
Office - (326-9584)
Home - (324-0692)

OR
Mary Ellen Lutey
Office - (599-4052)
Home - (325-9387)

Frac Consultant - Mark Byars
Pager - (327-8470)
Mobile - (320-0349)
Home - (327-0096)

OR
Mike Martinez
Pager - (599-7429)
Mobile - (860-7518)
Home - (326-4861)