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

5. **Lease Number**
NM-03195

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

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Sunray J #1

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

9. **API Well No.**
30-045-09617

4. **Location of Well, Footage, Sec., T, R, M**
1090'FSL, 990'FWL, Sec.7, T-30-N, R-10-W, NMPM

10. **Field and Pool**
Aztec 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	**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 - Mesaverde 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.

RECEIVED
DEC 11 1995
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
95 DEC -5 PM 12:16
070 FARMINGTON, NM

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

Signed _____ (MEL5) Title Regulatory Administrator Date 12/4/95

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

APPROVED

DEC 06 1995

DISTRICT MANAGER

NMOCD

Pertinent Data Sheet - Sunray J #1

Location: SW/4 1090' FSL, 990' FWL, Unit M, Section 7, T30N, R10W,
Lat. 36.821777, Long. 107.929810 by TDG
San Juan County, New Mexico

Field: Blanco Mesaverde, Aztec Pictured Cliffs **Elevation:** 6148' KB **TD:** 5218'
COTD: 5120'

Completed: 03-06-58 **Spud Date:** 01-18-58

DP No: 53622A/53622B **Prop. No:** 072256900 **Fed. No:** NM 03195

Casing/Liner Record:

Csg Size	Wt. & Grade	Depth Set	Cement	Top/Cement
10 ¾"	32.7# SW	172'	150 sxs	to surface
7 5/8"	26.4# J-55	4545'	300 sxs	2200' (TS)
5 ½" Liner	15.5# J-55	4488'-5213'	150 sxs	4492' (TS)

Tubing Record: MV-156 joints of 1½" EUE set at 5066'. Baker Model "N" packer set @ 4576'. PC-79 joints of 1¼" EUE set at 2611'.

Note: There is no indication of modified tubing collars in the file of this well, but the standard practice in 1958 was to use beveled J-55 collars on the Pictured Cliffs tubing and turned down N-80 collars on the Mesa Verde tubing of (PM) wells.

Formation Tops:

Ojo Alamo:	1291'	Cliff House:	4305'
Kirtland:	1394'	Menefee:	4480'
Fruitland:	2368'	Point Lookout:	4940'
Pictured Cliffs:	2682'	Mancos:	5145'
Lewis:	2806'		

Logging Record: ES - 173' to 4545'
GR - 4300' to 5220'
Induction - 4547' to 5221'
ML - 172' to 4534'
Temp Survey - 4550' to 5224'

Stimulation: Sand water fractured Mesa Verde intervals between 4962' and 5094' with 60,000 gallons of water and 60,000# of sand. I.R. 78.8 BPM at 1550 psi.

Sand water fractured Pictured Cliffs intervals between 2682' and 2740' with 40,000 gallons of water and 40,000# of sand.

Workover History:

4/9/69 Tubing Changeout

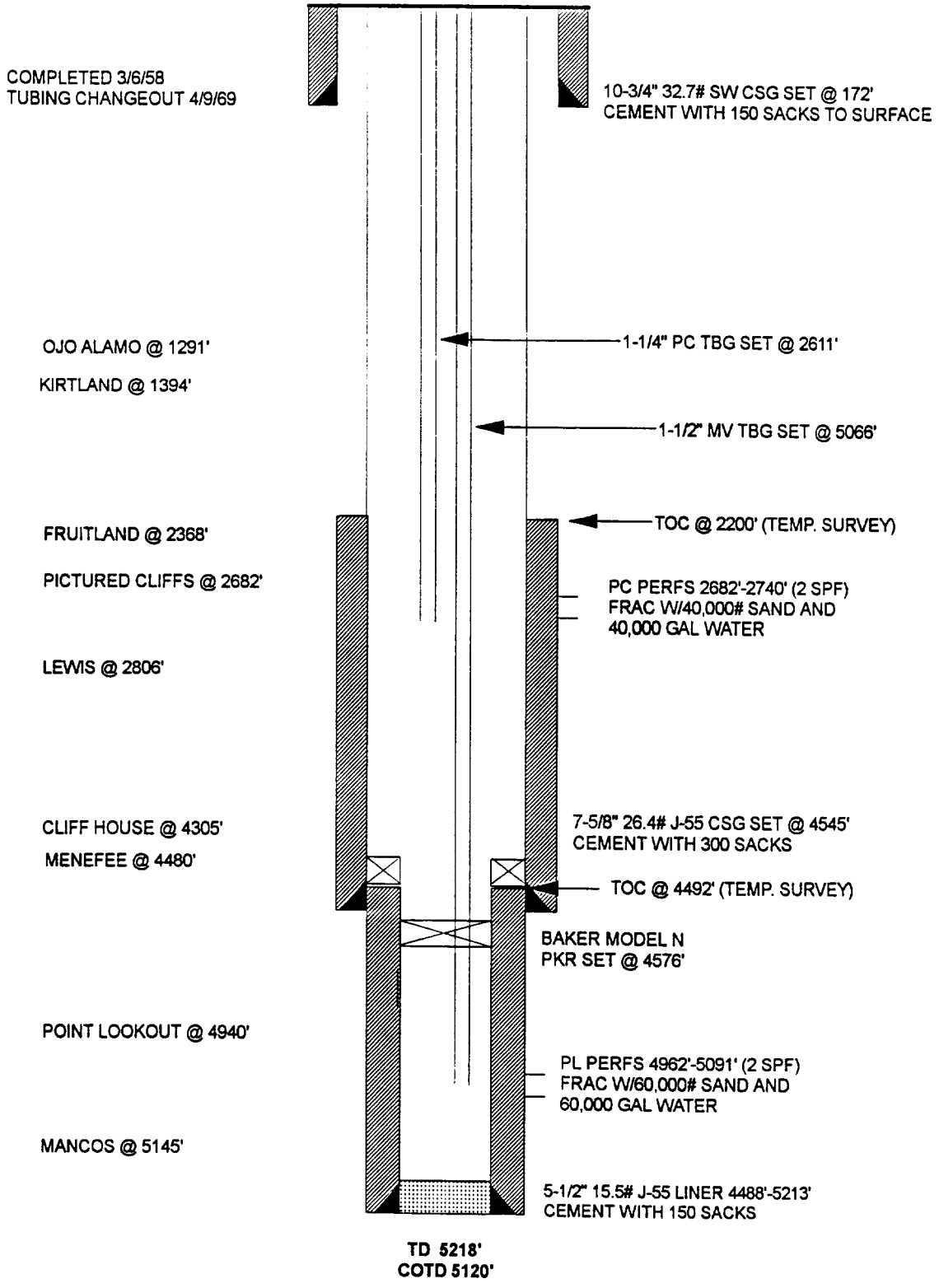
Production Data:

	PC	MV
Initial Deliverability:	6/9/58 - 201 MCF/D	4/29/58 - 762 MCF/D
Latest Deliverability:	8/15/68 - 91 MCF/D	3/8/68 - 91 MCF/D
Cumulative Production to 1/1/68:	185,088 MCF	551,854 MCF, 192 Bbls.

SUNRAY J #1

AS OF 7/12/95

BLANCO MESAVERDE/PICTURED CLIFFS
UNIT M, SEC 7, T30N, R10W, SAN JUAN COUNTY, NM



ENGINEERING-LMG

Sunray J #1 - Mesaverde
Cliffhouse and Menefee Payadd
Lat-Long by TDG: 36.821777 - 107.929810
SW/4 Section 7, T30N-R10W
August 31, 1995

1. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 13 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. TOOH w/ 1-1/4" tubing set @ 2611'. TOOH w/ 1-1/2" tubing set at 5066' by pulling and turning the tubing 12 turns to the right. Replace bad tubing as necessary.

3. TIH w/ a CJ mill and mill packer @ 4576'. TOH

4. PU 7-5/8" (26.4#) casing scraper, TIH and run casing scraper to 4488'. TOOH.

5. TIH with 2-7/8" tubing, 5-1/2" (15.5#) casing scraper and 4-3/4" bit. CO to PBTD of 5120'. TOOH.

6. TIH w/ 5-1/2" CIBP and set CIBP @ 4945'. Load hole w/ 1% KCL water if possible. Spot Menefee interval (± 4920' - ± 4550') w/ 373 gallons of inhibited 15% HCL acid. TOOH.

7. RU wireline and run CBL-GR-CCL from ± 4945' to TOC in 5-1/2" casing (run CBL to find TOC in liner). Run CNL from 4945' to 4100'. Send copy of logs to engineering and perforation intervals will be provided.

8. Perforate the Menefee interval (± 4920' - ± 4550') 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.

9. TIH w/ 5-1/2" fullbore packer, and 2-7/8" N-80 frac string. Set packer @ ± 4935'. Load hole w/ water and pressure test casing and CIBP to 3800 psi. Release packer, PUH to ± 150' above top perforation and reset packer. Monitor the backside during balloff throughout the job.

10. **Maximum allowable treating pressure is 3800 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ 8 Bls/min dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer, TIH and knock balls off. TOOH to ± 4600' and reset packer.

11. Hold safety meeting. Monitor the backside during stimulation. **Maximum allowable surface treating pressure is 6000 psi @ 25 Bbls/min.** If rate is reduced, the maximum pressure will be lower. (See stimulation schedule for maximum pressures for various rates.)

12. Pressure test surface lines to 7000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Menefee interval @ 30 BPM using 30# linear gel and 80m lbs of sand tagged w/ Irridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.

13. Release packer and TOOH standing back frac string. Check and inspect packer. RU wireline and set a 5-1/2" RBP @ ± 4540'. Dump sand on top of RBP w/ dump bailer.

14. Perforate Cliffhouse interval (± 4480' - ± 4200') top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. (Perforation interval will be provided after reviewing logs.) Inspect guns to ensure all perforations fired. RD wireline.

Sunray J #1
Mesaverde Payadd
August 31. 1995

15. TIH w/ 7-5/8" fullbore packer, and 2-7/8" N-80 frac string. Set packer @ ± 4488' (liner top). Load hole w/ water and pressure test RBP to 3300 psi. Release packer, PUH to ± 150' above top perforation and reset packer. Monitor the backside during balloff throughout the job.

16. **Maximum allowable treating pressure is 3300 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ 8 Bls/min dropping 7/8" diameter RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer, TIH and knock balls off. TOOH to 4100' and reset packer.

17. Hold safety meeting. Monitor the backside during stimulation. **Maximum allowable surface treating pressure is 6000 psi @ 25 Bbls/min.** If rate is reduced, the maximum pressure will be lower. (See stimulation schedule for maximum pressures for various rates.)

18. Pressure test surface lines to 7000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Cliffhouse interval @ 30 BPM using 30# linear gel and 105m lbs of sand tagged w/ Irridium. (Final stimulation procedure will be attached after reviewing logs.) Do not over displace during flush. Shut in well immediately after completion of the stimulation until pressure falls to zero.

19. Release packer and TOOH laying down frac string.

20. TIH w/ retrieving head and CO to RBP @ ± 4540' until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4540' and TOOH.

21. TIH w/ 4-3/4" bit and drill up CIBP set @ 4945'. CO to PBTD (5120'). 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.

22. When sand has diminished, TOOH.

23. RU wireline company. Run After Frac GR from 5050' to top of tracer activity.

24. Set a Model D prodcution packer @ 4500'. RD wireline company.

25. TIH with one joint of 1-1/2" tubing w/ expendable check, an F-nipple, then approximately 600' of tubing, model G locator seal assembly and then the remaining 1-1/2" production tubing. Land tubing near bottom perforation (5100').

26. TIH w/ on joint of 1-1/4" tubing w/ expendable check, an F-nipple, then the remaining 1-1/4" tubing. Land tubing @ 2743'

24. ND BOP's, NU WH. Pump off expendable checks. Obtain final pitot. RD and MOL. Return well to production.