Submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
96 MAR 12 PM 1:07
070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078208

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

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

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

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

9. **API Well No.**
30-045-09449

4. **Location of Well, Footage, Sec., T, R, M**
1090'FSL, 990'FWL, Sec.15, T-30-N, R-10-W, NMPM

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	
_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 - Pay add	

13. **Describe Proposed or Completed Operations**

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

RECEIVED
MAR 19 1996
OIL CON. DIV.
DIST. 3

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

Signed [signature] (JAS5) Title Regulatory Administrator Date 3/11/96

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

APPROVED
MAR 13 1996
DISTRICT MANAGER

NMOCD

Sunray B #1(Mesaverde)
Mesaverde Payadd & Restimulation
Section 15, T30N-R10W
San Juan County, New Mexico
Lat. 36.808044 Long 107.876877

* COMPLETION PROCEDURE (3/04/96) *

Basic Equipment Requirements:

9 frac tanks & 1 rig tank (if location size permits), 4600' of 3-1/2" (turned down collars) fracstring, 240' of 2-7/8" buttress fracstring, 7-5/8" fullbore stimulation packer, 5-1/2" packer, immediate flowback manifold, 4 additional joints of 2-3/8" work string/production tbg., 5-1/2" Mountain States Scab Liner Packer (SLP), 4-5 joints of 2-7/8" buttress scab liner tubing, 2-XO sub's from scab liner to 2-7/8" buttress tubing

1. RU Safety Company for H2S monitoring. Anticipate 40 ppm H2S levels. Calculation at 100 ppmH2S concentration yeilds a radius of exposure of 37 feet. Hold safety meeting. MIRU. Comply with all MOI, BLM and NMOCD rules and regulations. Install 9 frac tanks and 1x400 bbl rig tank. Fill each frac tank with 3#'s of biocide and filtered (25 micron) 1% KCl water.

2. Obtain and record all wellhead pressures. ND WH, NU BOP. TOOH w/ 2-3/8" tubing set at 5298'. Replace bad tubing as necessary.

3. PU a 5-1/2" 15.5# casing scraper on 2-3/8" tbg (a 7-5/8" scraper run may be needed if tubing has significant scale). TIH and run scraper to new PBTD @ 5349'. Blow hole clean w/ air. Spot 200 gallons of inhibited 15% HCL acid across Lower P.L. for underbalanced perforating. TOOH.

4. RU wireline & lubricator for underbalanced perforating. Run GR/Collar log (for perforation tie-in) from PBTD to 4600'. Perforate the Lower P.L. interval using 3-3/8" csg gun (HSC-2125-306T) w/ 12 gram charges and 0.30" diameter holes, 4 SPF. Inspect guns to ensure all perforations fired. RD wireline. **5332' - 5342' 10' interval**

5. PU 5-1/2" Fullbore Packer w/ 7 jts 2-7/8" Buttress stinger (+/- 210') and 4470' of 3-1/2" (turned down collars) tbg. and TIH. Set pkr @ 4680'. Pump 50 bbls 1% KCL down backside. RU WSI flowback manifold w/ a 1/8" and 1/4" positive choke. RU Stimulation Company. Pressure test manifold and stim. lines to 7000 psi.

6. Hold safety meeting. **Max allowable surface treating pressure is 6000 psi @ 30 Bbls/min.** 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 entire Point Lookout interval (upper is being re-stimulated) @ +/- 30 BPM w/ 35# XL gel and 7000 SCF/M N2, with 40/70 Arizona, 20/40 Arizona and 20/40 resin coated. If possible, shut down during pad and record ISIP for flush volume determination. Hold and monitor 500 psi on backside. 3#, 4# and 5# sand stages will be tagged w Ir-192. Drop 100 balls at the end of the 4 PPG stage and evaluate rates and pressures to potentially drop an additional 50 balls in the 5# stage. Cut N2 during 5 PPG resin coated stage and flush w/ 1% KCL water to more accurately determine flush volume and help with sand fallout. Flush volume begins when sand concentration drops to 4-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacume. Under flush by 20 %. Shut in well immediately after completion and flowback within 1 minute on a 1/8" to 1/4" choke until well dies.
   Release Stimulation Crew to the house.

7. Flow back well immediately through 1/8" positive choke to reverse gravel pack. If well is not dead after 2 hours, slowly open well wide open until pressure falls to zero. Accurately record sand volume and gel/water coming back.

8. Bleed off pressure. Release packer. TOOH and stand back fracstring. Check and inspect packer.

9. PU 4-3/4" bit and 2-3/8" tbg and TIH. Clean out to 5342'. When sand returns are acceptable, TOOH.

10. RU wireline. Set 5-1/2" CIBP @ +/- 5170'. Load hole w/ 1% KCL water.

11. PU 5-1/2" pkr on 2-3/8" workstring and TIH. Set pkr @ 4700' and pressure test csg and CIBP to 3200 psi for 15 minutes. Bleed off pressure and unseat pkr. Unload hole with air and TIH to 5160'. Unload hole @ 5160'. Spot 600 Gallons of 15% inhibited HCL for underbalanced Menefee/Lower Cliffhouse perforating. TOOH and LD pkr. Check and inspect packer.

When CIBP and casing test, Call out Stimulation Crew.

12. RU lubricator for underbalanced perforating. Perforate the Lower Cliffhouse/Menefee top down using 3-1/8" HSC guns with 12 gram charges and 0.31" diameter holes. 1 SPF. Inspect guns to ensure all perforations fired. Record pressures if any. RD wireline.

Lower Cliffhouse:	4704, 4712, 4717, 4732, 4744, 4749, 4754
Menefee:	4874, 4882, 4911, 4920, 4927, 4955, 4960, 4968, 5022, 5048, 5056, 5094, 5104, 5113, 5120
Total:	**22 intervals, 22 holes**

13. PU 5-1/2" Scab Liner Packer (SLP) w/ 4 jts (+/- 120') of 2-7/8" buttress tbg between packers on 2-3/8" workstring and TIH (see attached information sheet). Set Scab Liner to overlap the existing Upper Cliffhouse perforations @ 4564' to 4640' (76 ft between top and bottom perf). **Bottom packer element set @ 4670' and top element @ 4550' +/- 10'.** TOOH

14. PU SLP test tool and TIH. Test top packer element of SLP and casing to 3200 psi for 15 minutes. Release pressure and TOOH.

15. TIH w/ 7-5/8" fullbore packer and 2 joints of 3-1/2" tbg. Set packer & hold 500 psi on backside. RU WSI flowback manifold. RU BJ. Pressure test manifold and BJ lines to 4000 psi.

16. Hold safety meeting. **Max allowable surface treating pressure is 3000 psi @ 30 Bbls/min.** 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 Menefee/Lower Cliffhouse interval @ +/- 30 BPM w/ 35# XL gel and 7000 SCF/M N2, with 40/70 Arizona, 20/40 Arizona and 20/40 resin coated. If possible, shut down during pad and record ISIP for flush volume determination. Hold and monitor 500 psi on backside. The 4# and 5# sand stages will be tagged w Ir-192. Cut N2 during 5 PPG resin coated stage and flush w/ 1% KCL water to more accurately determine flush volume and help with sand fallout. Flush volume begins when sand concentration drops to 4-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacume. Under flush by 20 %. Shut in well immediately after completion and flowback within 1 minute on a 1/8" to 1/4" choke until well dies

Release Stimulation Crew to the house

17. Flow back well immediately through 1/8" positive choke to reverse gravel pack. If well is not dead after 2 hours, slowly open well wide open until pressure falls to zero. Accurately record sand volume and gel/water coming back.

18. Bleed off pressure. Release packer and stand back. Check and inspect packer.

19. TIH w/ Scab Liner retrieving tool and bumper sub on 2-3/8" workstring. Wash top of SLP. Recover Scab Liner and TOOH.

20. PU 4-3/4" bit and 2-3/8" tbg and TIH. Clean out to 5120'. When sand volumes are acceptable TOOH.

21. RU wireline. Set 5-1/2" RBP @ +/- 4680'. Spot 5'-10' of sand on RBP w/ bailer. Load hole w/ 1% KCL water.

22. PU 5-1/2" pkr on 2-3/8" workstring and TIH. Set pkr @ 4650' (30' above RBP, 10' below perforations) and test RBP to 3000 psi for 15 min. Release pressure and unseat packer. TOOH to 4500' and set packer. Close pipe rams and test backside to 1500 psi for 15 minutes. Release pressure and unseat packer. Unload hole to 4500' with air. TOOH.

Call back Stimulation Crew once BP pressure tests or sooner if needed.

23. TIH w/ 7-5/8" fullbore packer and 2 joints of 3-1/2" tbg. Set packer & hold 500 psi on backside. RU WSI flowback manifold. RU Stimulation Company. Pressure test manifold and stimulation lines to 4000 psi.

24. Hold safety meeting. **Max allowable surface treating pressure is 3000 psi @ 30 Bbls/min.** 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 entire Cliffhouse interval (Upper is being re-stimulated) @ +/- 30 BPM w/ 35# XL gel and 7000 SCF/M N2, with 40/70 Arizona, 20/40 Arizona and 20/40 resin coated. Shut down during pad and record ISIP for flush volume determination. Hold and monitor 500 psi on backside. The 4# and 5# sand stages will be tagged w Ir-192. Cut N2 during 5 PPG resin coated stage and flush w/ 1% KCL water to more accurately determine flush volume and help with sand fallout. Flush volume begins when sand concentration drops to 4-1/2 #/gal. Reduce rate during flush to determine if well will be on a vacume. Under flush by 20 %. Shut in well immediately after completion and flowback within 1 minute on a 1/8" to 1/4" choke until well dies.

25. Flow back well immediately through 1/8" positive choke to reverse gravel pack. If well is not dead after 2 hours, open well wide open over 15 minutes until pressure falls to zero. Accurately record sand volume and gel/water coming back.

26. TIH w/ retrieving head and CO to RBP @ 4680' until sand production is minimal. Obtain pitot gauge for upper Cliffhouse interval. Recover RBP and TOOH.

27. PU 4-3/4" bit on 2-3/8" workstring and clean out to CIBP @ 5170'. Obtain pitot gauge from Menefee/Cliffhouse after clean up. Drill CIBP. TIH and cleanout to PBTD @ 5349'. Obtain pitot gauge.

28. When sand volumes are acceptable obtain pitot gauge and TOOH.

29. RU wireline. Run after frac log.

30. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, an F-nipple, then the rest of the original tubing plus one (1) additional joint and one (1) 8' or 10' pup joint. Land tubing at approximately 5337'.

31. ND BOP's, NU WH. Pump off expendable check. Run swab to FN. Obtain final pitot. RD and MOL. Return well to production.

Approval: _____ 3/8/
Drilling Superintendent

Approval: _____ 3-8-96
Northwest Basin Team Leader

Engineers -

James A. Smith
Office - (326-9713)
Home - (327-3061)
Pager - (324-2420)

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Mobile - (320-0349)
Home - (327-0096)

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

VENDORS:

	SERVICE COMPANY	PHONE NUMBER
CASED HOLE:	Petro	326-6669
STIMULATION:	BJ Services	327-6222
SCAB LINER:	Mountain States	326-5141
RA TAGGING:	ProTechnics	326-7133
AFTER FRAC LOG:	Petro	326-6669
H2S SAFETY	Safety Alliance, Inc.	325-7233
MANIFOLD:	WSI	327-3402

JAS
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Pertinent Data Sheet

SUNRAY B#1

Location: Unit M SW/4 SW/4, Section 15, T30N, R10W, 1090' FSL, 990' FWL,
Lat. 36.808044, Long. -107.876877 by TDG
San Juan, NM

Field: Blanco Mesaverde

Elevation: 6344' GL
KB: 6355'

TD: 5390'
COTD: 5349'

Spud Date: 12-12-57

Completed: 01-02-58

DP No: 49976A

Prop. No: 072022200

Casing/Liner Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	Top/Cement
12½"	10¾"	32.75# S.W. surface casing	174'	200 sx	to surface
9 7/8"	7 5/8"	26.4# J-55	3188'	250 sx	TOC 2640' (TS)
6¾"	2 3/8"	4.7# J-55 tubing	5298'		
	5½" Liner	15.5# J-55	5390'	300 sx	TOC 3125'

Tubing Record: 2 3/8" 4.7# J-55 tubing set at 5298'. Seating Nipple one joint off bottom.

Formation Tops:

Nacimiento	surface	Pictured Cliffs:	2965'
Ojo Alamo:	1616'	Cliff House:	4558'
Kirtland:	1727'	Menefee:	4769'
Fruitland:	2552'	Point Lookout:	5218'

Workover History: 12/95 - Remove scale with 1000 gallons acid. Pressure tested casing from 4340' to surface to 750#.

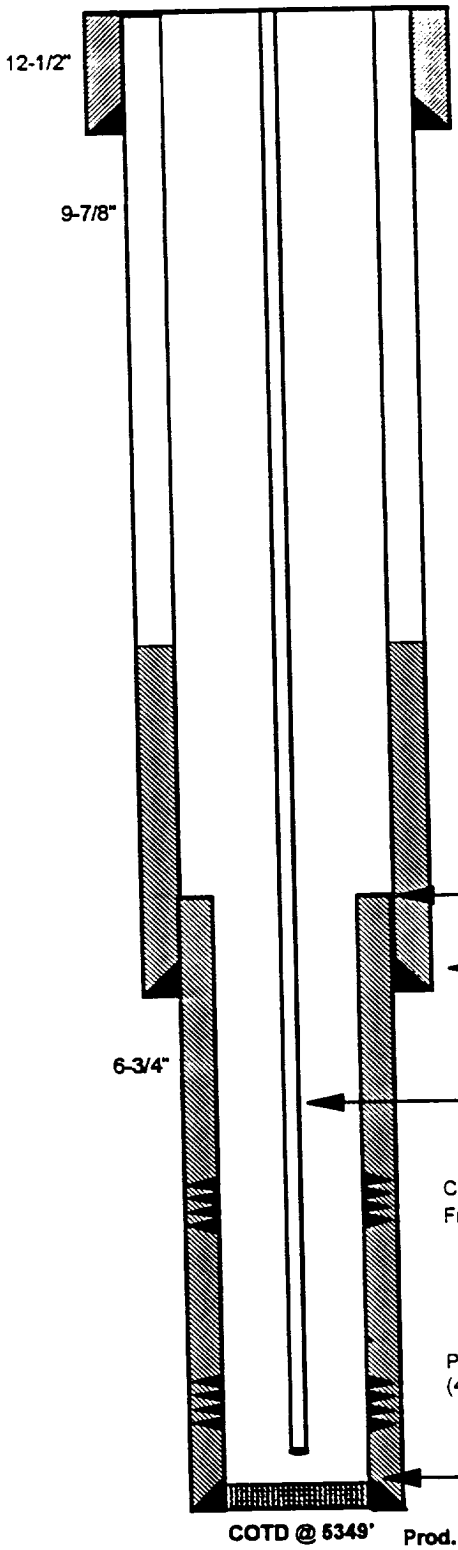
Sunray B #1

Current -- 03/02/96

Spud: 12-12-57
Completed : 01-02-58
Tbg Rpl: 12-95
Elev. GL: 6344'
KB: 6355'

Blanco Mesaverde
DPNO: 49976A

1090' FSL, 990' FWL
Sec. 15, T30N, R10W. San Juan Co., NM
Longitude/Latitude : 107.876877 - 36.808044



Nacimiento @ surface

Ojo Alamo @ 1616'

Kirtland @1727'

Fruitland @2552'

Pictured Cliffs @ 2965'

Cliff House @ 4558'

Menefee @ 4769'

Point Lookout @ 5218'

10-3/4", 32.75#, S.W. Surface casing set @ 174'. Cmt. w/ 200 sxs cmt. Circ. cmt. to surface.

TOC @ 2640' (TS)

TOL @ 3125'

7-5/8", 26.4#,J-55 csg. set @ 3188'. Cmt. w/ 250 sxs cmt. TOC @ 2640' (TS)

2-3/8", 4.7#, J55 tubing set @ 5298'. SN @ 5267' (1 jt off btm.)

Cliff House Perfs @ 4564-80,4610-40 (4 SPF)
Frac'd w/37,000# 40/60 sand, 37,000 gal water

Point Lookout Perfs @ 5220-34, 5268-84,5296-5304 (4 SPF) Frac'd w/50,000# 20/40 sand, 50,000 water

5 1/2", 15.5# J-55 liner set @5390' Cmt. w/ 300 sxs cmt.TOC @ 3125'

COTD @ 5349'

TD @ 5390'

Initial Potential:
AOF:10,129 Mcf/d
Initial SICP: 1039 psig

Ownership:
GWI:100%
NRI: 83.67%
SJBT: 0%

Prod. History:	**Gas**	**Oil**
Cum. as of 1995:	3.3 Bcf	10.3Mbo
Current:	14 Mcf/d	0.5 bo/d

Pipeline: EPNG