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**
SF-078204

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

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

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

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

9. **API Well No.**
30-045-09295

4. **Location of Well, Footage, Sec., T, R, M**
990'FSL, 990'FWL, Sec.21, T-30-N, R-10-W, NMPM

10. **Field and Pool**
Blanco Mesaverde/
Basin Dakota

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
	_X_ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Temporarily abandon Dakota	

13. **Describe Proposed or Completed Operations**

It is intended to temporarily abandon the Dakota formation by setting a CIBP above the Dakota perfs. The Mesaverde formation will be re-opened by adding Cliff House, Menefee and Point Lookout pay according to the attached procedure and wellbore diagram.

RECEIVED
APR 14 1995
OIL CON. DIV.
DIST. 3

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

Signed [signature] (MEL5) Title Regulatory Affairs Date 4/3/95

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

APPROVED
APR 06 1995
DISTRICT MANAGER

Plat on file

NMOCD

Pertinent Data Sheet - Sunray D #1

Location: 990' FSL, 990' FWL, Unit N, Section 21, T30N, R10W, San Juan County, New Mexico

Field: Basin Dakota **Elevation:** 6351' GR **TD:** 5353' **COTD:** 5353'

Spud Date: 11-14-53 **Completed:** 1-4-54 **Workover:** 8-8-62

Casing/Liner Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	Top/Cement
	9 5/8"	25.4# H-40	173'	125 sxs	Circ/Surface
	7"	20#/23# J-55	5075'	500 sx	2460' (TS)
	4 1/2"	11.6/10.5# J-55	7500'	420 sxs	3500' (TS)
			Seating Nipple @	7382'	
			Perf Nipple @	7382-85'	
			Float Collar @	7467'	

Tubing Record:

Tbg Size	Wt. & Grade	Depth Set
2 3/8"	4.7# J-55	7412'

Formation Tops:

Ojo Alamo:	1620'	Menefee:	4728'
Kirtland:	1708'	Massive PL:	5087'
Fruitland:	2547'	Lower PL:	5284'
Pictured Cliffs:	2886'	Middle Gallup:	6330'
Huer Bentonite:	3625'	Greenhorn:	7153'
Nav. City Chacra:	3654'	Graneros:	7210'
Otero Chacra:	3870'	Graneros SS:	7264'
Upper CH:	4433'	Dakota:	7350'
Massive CH:	5087'		

Logging Record: GRL, IND, I-ES, GGD, TS

Stimulation:

Perf: 7272' - 7278', 7352' - 7358', 7382' - 7386', 7426' - 7430', 7454' - 7460'

Frac: 6200# sand, 6400 gal water & 300 gal acid. Dropped 3 sets of 12 balls. Flush w/5,250 water.

Workover History:

08/62: Pull tbg, reach TD, set pkr @ 30'. Take off BOP and hole tubing spool. Run 4 1/2" csg, covering Mesaverde formation (and perfs) 4630'-5330', land tubing.

12-16-94/tbg

Sunray D #1 - Mesaverde/Dakota
CH, Menefee, PL, Payadd and Dk T&A
Lat-Long by TDG: 36.793549 - 107.895172
Section 21, T30N-R10W
March 1, 1995

1. Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations. Install 20 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. Blow 2-3/8" tubing down or kill with 2% KCL water if necessary. ND WH, NU BOP.

3. Attempt to TOOH with 2-3/8" tubing set at 7412' (seating nipple @ 7381' and perforated nipple @ 7382'). If tubing is stuck, pull 4000# over string weight and turn right. If tubing does not release, run freepoint, cut tubing and TOOH. Recover remaining tubing with an overshot, drill collars, jars, an accelerator and bumpersub.

4. PU 2-3/8", 4.7#, J-55 tubing, 3-7/8" bit and 4-1/2", 10.5# casing scraper and TIH. Make scraper run to 7265'. TOOH. Lay down casing scraper and bit.

5. TIH w/ 4-1/2" RBP and wireline set CIBP @ ± 7200'.

6. TIH w/ 2-3/8" tubing and roll the hole with 1% KCL water.

7. RU wireline and run CBL-GR-CCL from ± 7190' to surface. Run CNL from ±7190' to ± 4425'. Send copy of logs to engineering and perforation intervals will be provided. (If pressure exists on intermediate casing, evaluate CBL for repair.)

8. Load hole w/ water and pressure test casing and BP to 3800 psi. If casing does not pressure test, contact engineering for changes in procedure.

9. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

10. Perforate Lower Point Lookout (± 5284' - ± 6000') determined from PND log using 12 gram charges, 0.363" and .193" (through two strings) diameter holes and 3-1/8" HSC guns. Inspect guns to ensure all perforations fired.

11. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

12. Balloff Lower Point Lookout perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable static pressure is 3800 psi. TOOH. RU wireline and retrieve balls w/ 4-1/2" junk basket.

13. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

14. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi).** Fracture Lower Point Lookout according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero.

15. Wait a minimum of one hour, tag sand plug w/ wireline. If sand plug is below anticipated Menefee/Massive Point Lookout perfs and above existing perfs, pressure test to 3800 psi. If sand is below existing perfs, release packer and TOOH. Wireline set a 4-1/2" RBP @ ± 5275'. TIH w/ 4-1/2" fullbore packer and pressure test RBP to 3800 psi. TOOH. Dump sand on top of RBP w/ dump bailer.

16. Perforate the Menefee/Massive Point Lookout interval (± 4728' - ± 5260') using 12 gram charges, .31" diameter holes and 3-1/8" HSC guns. (Perforations will be selected after reviewing PND log.) Inspect guns to ensure all perforations fired.

17. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

18. Balloff Menefee/Massive Point Lookout perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable static pressure is 3800 psi. TOOH. RU wireline and retrieve balls w/ 4-1/2" junk basket.

19. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

20. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi).** Fracture Menefee/Massive Point Lookout according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero.

21. Wait a minimum of one hour, tag sand plug w/ wireline. If sand plug is below anticipated Cliffhouse perfs and above existing perfs, pressure test to 3800 psi. If sand is below existing perfs, release packer and TOOH. Wireline set a 4-1/2" RBP @ ± 4725'. TIH w/ 4-1/2" fullbore packer and pressure test RBP to 3800 psi. TOOH. Dump sand on top of RBP w/ dump bailer.

22. Perforate the Cliffhouse interval (± 4430 - ± 4715') using 12 gram charges, .193" diameter holes and 3-1/8" HSC guns. (Perforations will be selected after reviewing PND log.) Inspect guns to ensure all perforations fired.

23. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string. Balloff Cliffhouse perforations with 1500 gallons of 15% HCL acid and RCN balls (2 balls per perforation hole). Maximum allowable static pressure is 3800 psi. TOOH. RU wireline and retrieve balls w/ 4-1/2" junk basket.

24. TIH w/ 4-1/2" fullbore packer and two joints of 2-7/8" N-80 frac string.

25. RU frac company. Hold safety meeting. Test surface lines to 4800 psi. **(Maximum allowable treating pressure is 3800 psi.)** Fracture Cliffhouse according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. Release packer and TOOH.

26. TIH and CO to plug @ ± 4725'. Obtain pitot gauge for Cliffhouse interval. TIH w/ retrieving head and release RBP @ ± 4725' as necessary. TOOH.

27. TIH and CO to plug @ ± 5275'. Obtain pitot gauge for Cliffhouse and Menefee intervals. TIH w/ retrieving head and release RBP @ ± 5275' as necessary. TOOH.

28. TIH and CO to plug @ ± 6300'. Obtain pitot gauge for Cliffhouse, Menefee and Point Lookout intervals. TOOH.

29. TIH with 2-3/8" tubing with notched collar and CO to PBTD. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge for Mesaverde.

30. When returns have diminished (both sand and water), TOOH.

31. PU and run one joint of 1-1/2" tubing w/ expendable check, an F-nipple, then the remaining 1-1/2" tubing. Land tubing at ± 5300'.

32. ND BOP's, NU WH. Pump off expendable check.

33. Obtain final pitot gauges. Rig down and release rig. Return well to production.

Approval: _____
Drilling Superintendent

Contacts:

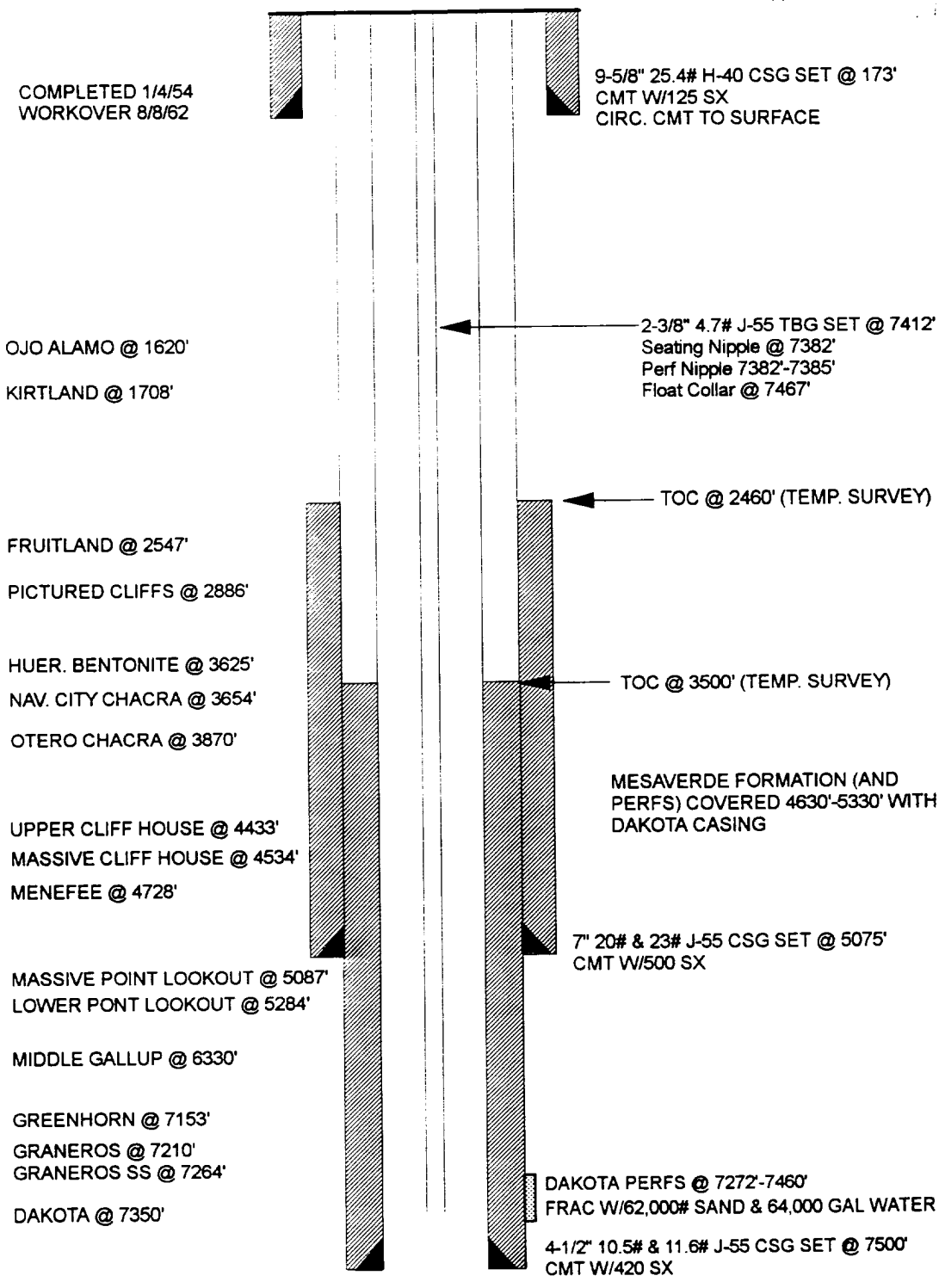
Engineering - Mary Ellen Lutey
Office - (599-4052)
Home - (325-9387)
Frac Consultant - Mark Byars
Pager - (327-8470)
Mobile - (320-0349)
Home - (327-0096)
or Mike Martinez
Pager - (599-7429)
Mobile - (860-7518)
Home - (326-4861)

SUNRAY D #1

AS OF 10/1/1994

BASIN DAKOTA

UNIT N, SEC 21, T30N, R10W, SAN JUAN COUNTY, NM



TD 7500'