

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

DEC-3 11:28

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

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

4. Location of Well, Footage, Sec., T, R, M
818'FNL, 1757'FEL, Sec.35, T-32-N, R-10-W, NMPM

5. Lease Number
NMSF-078507
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
San Juan 32-9 Unit
8. Well Name & Number
San Juan 32-9 U #38
9. API Well No.
30-045-11192
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

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Pay add

13. Describe Proposed or Completed Operations

It is intended to add the Menefee zone to the existing Mesaverde production according to the attached procedure and wellbore diagram.

RECEIVED
DEC 15 1994
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (MEL5) Title Regulatory Affairs Date 12/9/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED

DEC 09 1994

INMOCD

[Signature]
DISTRICT MANAGER

Pertinent Data Sheet - San Juan 32-9 Unit #38

Location: 818' FNL, 1757' FEL, Section 35, T32N, R10W, San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 6136' GR
6146' DF

TD: 5483'
COTD: 5445'

Completed: 09-22-56

DP #: 69888

Casing 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"	10 3/4"	32.75# SW	173'	125 sxs	Surface/Circ
9 5/8"	7 5/8"	26.4# J-55	3117'	250 sxs	TOC @ 1310' TS
6 3/4"	5 1/2"	15.5# J-55	5483'	300 sxs	TOC @ 3440' TS

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2 3/8"	4.7#	5420'

Formation Tops:

Ojo Alamo:	Undeveloped	Cliffhouse:	4843'
Kirtland:	2200'	Menefee:	4924'
Fruitland Coal:	2530'	Point Lookout:	5240'
Pictured Cliffs:	2972'	Mancos:	5446'
Lewis:	3055'		

Logging Record: ES, ML, GRL, Ind., B&R, Temp Survey

Stimulation:

Lower Point Lookout

Perf'd: 5336'-5347', 5376'-5386', 5404'-5420'

Frac'd: w/50,000 gal water & 47,000# sand

Point Lookout

Perf'd: 5238'-5254', 5276'-5290', 5296'-5306'

Frac'd: w/61,000 gal water & 50,000# sand

Cliff House

Perf'd: 4880'-4926'

Frac'd: w/61,000 gal water & 60,000# sand

Workover History:

11/63: Fish plunger & standing valve.

01/66: Pulled, cleaned & re-ran tubing.

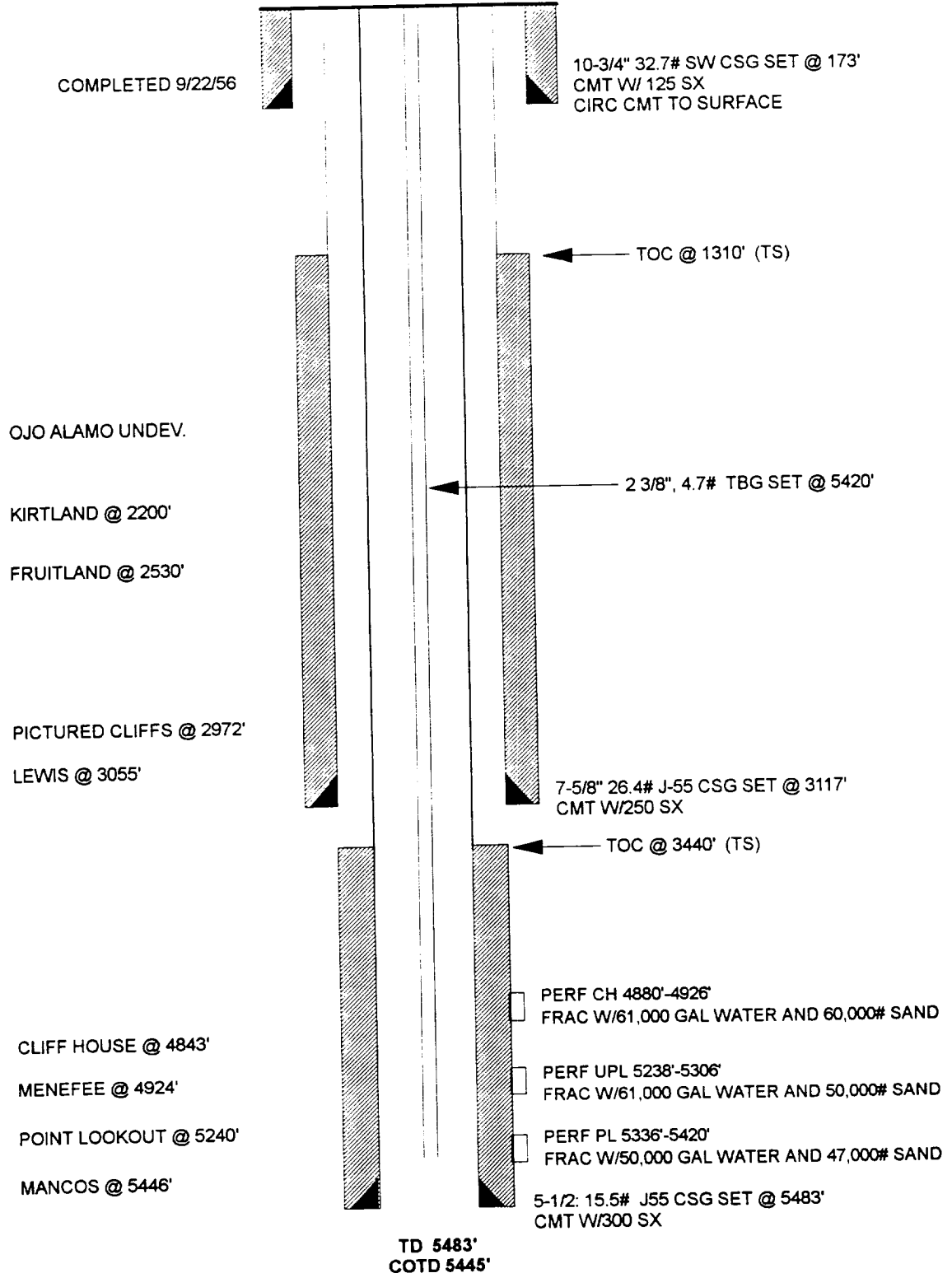
Production History:

Transporter: Meridian Oil Transportation, Inc.

SAN JUAN 32-9 UNIT #38

AS OF 9/1/1994
BLANCO MESAVERDE

UNIT B, SEC 35, T32N, R10W, SAN JUAN COUNTY, NM



San Juan 32-9 Unit #38 - Mesaverde
Menefee Payadd
Lat-Long by GITI: 36.946487 - 107.849487
NE/4 Section 35, T32N-R10W
October 24, 1994

1. Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations. Install 6x400 bbl frac tanks and 1x400 bbl rig tank. Fill each frac tank with 5#'s of biocide and filtered (25 micron) 2% KCl water.
2. ND WH, NU BOP. TOOH with 2 3/8" tubing set at 5420'. Replace bad tubing as needed.
3. Pick up 4-3/4" bit and 5-1/2" 15.5# casing scraper and TIH. Make scraper run to PBTD of 5445'. TOOH. Lay down casing scraper and bit.
4. PU 5-1/2" RBP and wireline set RBP @ 4500'. Dump sand on top of RBP with dump bailer. Load hole with fresh water. Pressure test the casing to 700 psi for 15 minutes. Run CBL-CCL-GR and noise log from 4500' to surface. RD wireline. Send copy of CBL and noise log to engineering and a squeeze procedure will be provided. If necessary, cut 5 1/2" casing above TOC and pull. Locate and squeeze 7 5/8" failure.
5. After squeeze work, TIH w/ bit and tubing and drill out cement. Obtain 700 psi pressure test and resqueeze if necessary. TOOH w/ tubing and bit. TIH w/ retrieving head. Latch onto RBP, release RBP and TOOH.
6. TIH with tubing and 5 1/2" RBP. Set RBP @ 5226'. TOOH.
7. Dump sand on top of RBP with dump bailer. Perforate the following intervals under balanced w/ 0.30" diameter holes utilizing 3-1/8" HSC guns: (16 holes total)

4965	5124
4984	5138
5009	5144
5032	5154
5047	5164
5076	5176
5090	5184
5116	5204

Inspect guns to ensure all perforations fired.

8. PU 2-7/8" (N-80 buttress or turned down collars) fracstring. TIH to 5220' and set packer. Pressure test tubing and BP to 3600 psi. Release packer and PUH to 4944'. Set packer @ 4944'. Balloff Menefee perforations with 1500 gallons of 15% HCl acid and 32 RCN balls. Maximum allowable treating pressure is 5000 psi (3600 psi static surface). Release packer, TIH and knock balls off. TOOH.
9. TIH with an "F" nipple on the bottom of a 5-1/2" X 2-7/8" (N-80 turned down collars) frac liner and set across the Cliff House formation from 4860' to 4950' (total of 90'). Run the frac liner (two Baker hydraulically set packers) on 2-7/8" fracstring. Drop blanking plug and set packers. Attempt to load annulus through casing valves and pressure test tubing to 5000 psi. Retrieve blanking plug with slick line. SI well for 24 hours with an Amerada pressure bomb set @ 5085'. TOOH with pressure bomb. Have BHP information sent to engineering within 24 hours.
10. Install 6000# frac valve on top of the 2-7/8" fracstring.

11. RU Western. Hold safety meeting. Test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Fracture Menefee according to attached procedure. Shut in well immediately after completion of the stimulation until pressure falls to zero. RD frac company.
12. Remove frac valve. Release packers and TOOH, laying down frac string. Lay down packers.
13. SI well for 6 hours after stimulation to allow gel to break then flow-back naturally as long as possible. When either flow has ceased or returns have reached a level allowing re-entry of wellbore, TIH with 2-3/8" tubing with notched collar. CO to PBTD of 5226'. PU above the Mesaverde perforations and flow the well naturally, making short trips for clean up when necessary.
14. When returns have diminished (both sand and water), TOOH. PU 5-1/2" packer and TIH with 2 3/8" tubing. Set packer @ 4944'. Flow test the Menefee for 3 hours. Report the results to engineering before proceeding. Release packer and TOOH.
15. PU retrieving head and TIH. Clean out to PBTD. Release RBP @ 5226' and TOOH.
16. TIH with tubing and clean out to PBTD of 5445'. When water rates and sand production have diminished, TOOH.
17. TIH with one joint of 2 3/8" tubing w/ expendable check, an F-nipple, then the remaining 2 3/8" tubing. CO to PBTD (5445'). Land tubing at 5420'.
18. ND BOP's, NU WH. Obtain final pitot. RDMO. Return well to production.

Approval:



Drilling Superintendent

Vendors:

Stimulation - Western (327-6222)

Perforating - Blue Jet (325-5584)

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)

**Stimulation Procedure
Meridian Oil Inc.**

General Information			Well Configuration			Formation and Stimulation Data		
Well Name:	San Juan 32-9 #38		Casing:	2-7/8" 6.4# Tubing from 0 - 4944'		Max Treating Pressure	5000 psi	
Location:	NE/4 Section 35, T32N-R10W		Liner:			Frac Gradient:	0.7 psi/ft	
Formation:	Menefee		Capacity:	0.0058 bbl/ft		BH Temp:	150 deg. F	
Vendors			PBTD	5226 ft	Vol. to: (gals)	Antic. Treating Rate:	25 BPM	
Stimulation:	Western (327-6222)		Top Perf:	4965 ft	PBTD 1,271	Antic. BH Treating Pres:	3,559 psi	
Tagging:			Bot Perf:	5204 ft	Top Per: 1,207	Antic. Surf Treating Pres:	4,713 psi	
			Midpoint:	5085 ft	^20' : 1,203	Percent Pad:	10%	
Fluid:	30# Linear Gel		Perforations			Net Pay:	92 ft	
Note:			1 spf	0.3 " holes		lb prop/net ft pay:	1,304 lb/ft	
			16 holes	12 " penetration		Job Duration:	91.0 min	

Stimulation Schedule

Sand Data						Fluid Data				Rate and Time Data			Comments
Tag	Stage	Sand	Conc	Stage	Cum	Stage	Cum	Stage	Cum	Slurry	Stage	Cum	
		Mesh	ppg	Sand	Sand	Fluid	Fluid	Slurry	Slurry	Rate	Time	Time	
			lbs	lbs	lbs	gals	gals	gals	gals	bpm	min	min	
	Pad	N/A	0.0	0	0	8,889	8,889	8,889	8,889	25.0	8.5	8.5	
no	2	20/40	1.0	40,000	40,000	40,000	48,889	41,824	50,713	25.0	39.8	48.3	
no	3	20/40	2.0	80,000	120,000	40,000	88,889	43,648	94,361	25.0	41.6	89.9	
	Flush	N/A	0.0	0	120,000	1,203	90,091	1,203	95,563	25.0	1.1	91.0	
Total				lb/ft		Total		Total		Ave.	Total		
120,000				1,304		90,091		95,563		25.0	91.0		

Volumes and Additives

Water Volume=	90,091	treat +	4,505	excess =	94,596 gallons	(MOI)
Water Volume=	2,145	treat +	107	excess =	2,252 bbls	(MOI)
Fluid Volume:	2,252 bbl designed treating volume					
20/40 Arizona Sand:	120,000 lbs					

Fluid: 30# Linear Guar Gel designed for 3 hour break @ 145 F
Filtered 2% KCl water (supplied by MOI)

Radioactive Tagging

None

Equipment

Tanks: 6 x 400 bbl frac tanks(supplied by MOI).
Filled w/ 2,252 useable bbls of filtered 2% KCl water

Mix on the fly equipment.
Mountain Mover.
Blender.
Fluid Pumps as required.

Comments and Special Instructions

MAXIMUM ALLOWABLE TREATING PRESSURE IS 5000 PSI.

Hold safety meeting with everyone on location before pressure testing surface lines.
Pressure test surface lines to 6000 psi (1000 over max allowable but less than working pressure).
Adjust flush rate and volume according to potential for well to be on vacuum.

Production Engineer: Mary Ellen Lutey