

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OIL MAIL ROOM

Sundry Notices and Reports on Wells

95 DEC -5 PM 12:07

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  
1640' FNL, 1070' FNL, Sec. 7, T-30-N, R-10-W, NMPM

5. Lease Number  
NM-03195A  
6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Sullivan #1A

9. API Well No.  
30-045-24079

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

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Pay add

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

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

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 \_\_\_\_\_

CONDITION OF APPROVAL, if any:

APPROVED

DEC 07 1995

DISTRICT MANAGER

NMOCD



**Pertinent Data Sheet - Sullivan #1A**

**Location:** NW/4 1640' FNL, 1070' FEL, Section 7, T30N, R10W,  
Lat. 36.829010, Long. 107.929337 by TDG  
San Juan County, NM

**Field:** Blanco Mesaverde

**Elevation:** 6171' GL  
**KB:** 10'

**TD:** 5468'  
**PBTD:** 5452'

**Completed:** 08-11-80

**Spud Date:** 03-06-80

**DP No:** 48687A

**Prop. No:** 012588200

**Fed. No:** NM 03195A

**Casing/Liner Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	36# K-55	213'	224 cu. ft.	to surface
8 3/4"	7"	20# K-55	3092'	385 cu. ft.	1750' (TS)
6 1/4"	4 1/2" Liner	10.5# K-55	2939'-5468'	438 cu. ft.	Liner top

**Tubing Record:** 2 3/8" 4.7# J-55 tubing set at 5310'. Seating Nipple at 5278'.

**Formation Tops:**

Ojo Alamo:	1331' est	Nav. City Chacra:	3569'
Kirtland:	1446' est	Otero Chacra:	3770'
Fruitland:	2181' est	Massive Cliff House:	4358'
Pictured Cliffs:	2741' est	Menefee:	4533'
Lewis:	2906' est	Massive Pt. Lookout:	5010'
Huer. Bentonite:	3482'		

**Logging Record:** IEL/GR, CDL/GR, IL/GR, Temp. Survey.

**Stimulation:** Perfed Cliffhouse and Menefee 4366'-4437'. Nine holes.  
Fractured with 62,434 gallons of water and 26,500# of sand.  
ATR=18 BMP ATP=1850# ISIP=800#  
Set packer at 4150' and squeeze perms with 75 SX of cement.

Perfed Point Lookout 4816'-5313'  
Fractured with 118,746 gallons of water and 57,246# of sand.  
ATR=35 BMP ATP=1900# ISIP=Vacuum

**Workover History:** None.



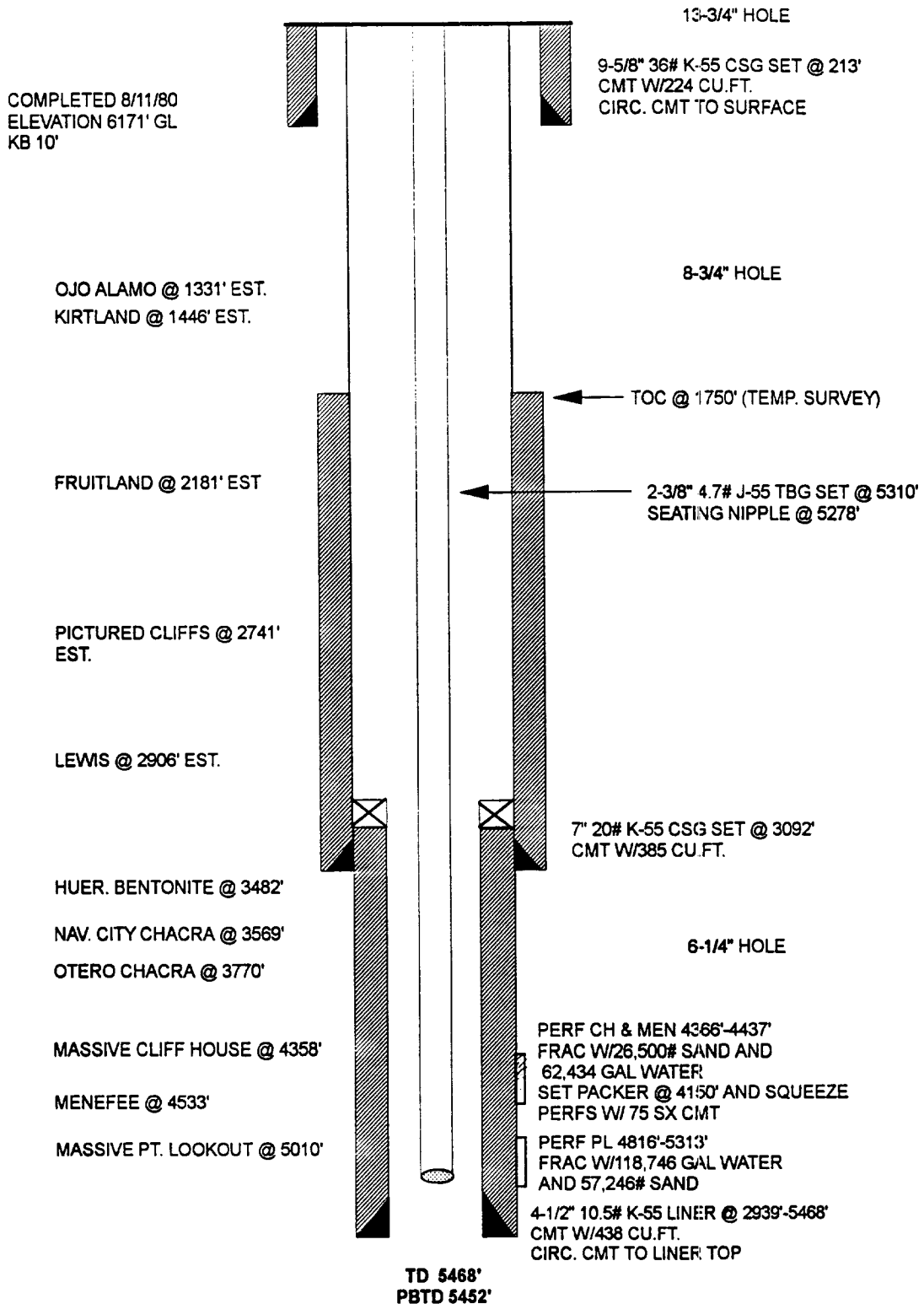
# SULLIVAN #1A

BLANCO MESAVERDE

AS OF 8/09/95

1640' FNL, 1070' FWL

UNIT E SEC 7, T30N, R10W, SAN JUAN COUNTY, NM





**Sullivan #1A - Mesaverde**  
Cliffhouse and Menefee Payadd  
Lat-Long by TDG: 36.829010 - 107.929337  
NE/4 Section 7, T30N-R10W  
August 24, 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/ 2-3/8" tubing set at 5310'. Replace bad tubing as necessary.
3. PU 7" (20#) casing scraper, TIH and run casing scraper to 2935'. TOOH.
4. TIH with 2-3/8" tubing, 4-1/2" (10.5#) casing scraper and 3-7/8" bit. CO to PBTD of 5452'. TOOH.
5. TIH w/ 4-1/2" CIBP and set CIBP @ 4790'. Load hole w/ 1% KCL water and pressure test to 1000 psi. TOOH.
6. RU wireline and run CBL-GR-CCL from  $\pm$  4790' to TOC in 7" casing (run CBL to find TOC in liner and 7" casing) under 1000 psi surface pressure. Run CNL from 4790' to 4280'. Send copy of logs to engineering and perforation intervals will be provided.
7. Perforate the Menefee interval ( $\pm$  4575' -  $\pm$  4750') 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/ 4-1/2" fullbore packer,  $\pm$  200' of 2-3/8" tubing and 2-7/8" N-80 frac string. Set packer @  $\pm$  4450'. Load hole w/ water and pressure test casing and CIBP to 3000 psi. Release packer, PUH to 4450' and reset packer. Set 500 psi on backside during balloff and monitor throughout the job.
9. **Maximum allowable treating pressure is 3000 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.
10. TIH w/ an "F" nipple on the bottom of a 4-1/2" x 2-3/8" frac liner (two hydraulically set packers) across Cliffhouse squeezed perforations (4366'-4437'). PU 100' of 2-3/8" tubing and cross over to 2-7/8" frac string to run the frac liner. Drop blanking plug and set packers.
11. Hold safety meeting. Set 500 psi on backside during stimulation and monitor throughout the job. **Maximum allowable surface treating pressure is 6000 psi @ 30 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 according to the attached procedure using 30# linear gel, 80m lbs of sand at 30 BPM. (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 packers and TOOH laying down 2-7/8" frac string. RU wireline and set a 4-1/2" RBP @  $\pm$  4550'. Load hole w/ 1% KCL water and pressure test RBP to 3000 psi. Dump sand on top of RBP w/ dump bailer.






Sullivan #1A  
Mesaverde Payadd  
August 24, 1995

14. Perforate Cliffhouse interval ( $\pm 4350'$  -  $\pm 4525'$ ) 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.
15. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
16. **Maximum allowable treating pressure is 3000 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 and TOOH standing back frac string.
17. RU wireline, retrieve balls w/ 4-1/2" junk basket and report number of hits.
18. TIH w/ 7" fullbore packer and two joints of 3-1/2" N-80 frac string. Set packer.
19. Hold safety meeting. **Maximum allowable surface treating pressure is 3000 psi.**
20. 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 using 30# linear gel, 105m lbs of sand at 30 BPM. (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.
21. Release packer and TOOH laying down frac string.
22. TIH w/ retrieving head and CO to RBP @  $\pm 4550'$  until sand production is minimal. Obtain pitot gauge for Cliffhouse interval. Release RBP @ 4550' and TOOH.
23. TIH w/ 3-7/8" bit and drill up CIBP set @ 4790'. CO to PBDT (5452'). 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.
24. When sand has diminished, TOOH.
25. RU wireline company. Run After Frac GR from 5313' to top of tracer activity. RD wireline.
26. 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 PBDT ( $\pm 5452'$ ). Land tubing near bottom perforation (5313').
27. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot. RD and MOL. Return well to production.

Approval:

  
Drilling Superintendent

Approval:

  
Northwest Basin Team Leader

