

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD)
2. Name of Operator MERIDIAN OIL	5. Lease Number E-34744
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	6. State Oil&Gas Lease E-34744
4. Location of Well, Footage, Sec., T, R, M 1500'FNL, 1600'FEL Sec.32, T-30-N, R-6-W, NMPM, Rio Arriba County	7. Lease Name/Unit Name San Juan 30-6 Unit
	8. Well No. 13
	9. Pool Name or Wildcat Blanco Mesa Verde
	10. Elevation: Arriba County

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injectio
<input checked="" type="checkbox"/> Other - pay add	


13. Describe Proposed or Completed Operations

It is intended to perforate and stimulate the Cliff House, Menefee and Lewis intervals and add to the existing Mesa Verde formation per the attached procedure.

RECEIVED

FEB 24 1994

OIL CON. DIV
DIST. 2

SIGNATURE  (REH) Regulatory Affairs January 18, 1994

(This space for State Use)

Approved by _____ Title _____ Date FEB 24 1994

Pertinent Data Sheet - San Juan 30-6 Unit #13

Location: 1500' FNL, 1600' FEL, Section 32, T-30-N R-6-W, Rio Arriba County, NM

Field: Blanco Mesaverde

Elevation: 6842' GL

TD: 6144'
PBTD:

Completion Date: 12-13-55

DP Number: 69738

Initial Potential: 4199 MCF/D

Casing Record:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
15"	10-3/4"	32.75# H-40 8rd	231' KB	120 sx	Surface
9-7/8"	7-5/8"	26.4# J-55 8rd	3842' KB	190 sx	3789' (TS?)
6-3/4"	5-1/2"	14.0# J-55 8rd	6146' KB	150 sx	??? (TS?)

Tubing Record:

<u>Tubing Size</u>	<u>Weight & Grade</u>	<u>Depth Set</u>
2-3/8"	4.7# J-55 8rd	6119' KB (197 jts.)

Formation Tops:

Ojo Alamo	2797'	Cliffhouse	5619'
Kirtland	2992'	Menefee	5662'
Fruitland	3460'	Pt. Lookout	5949'
Pictured Cliffs	3723'		
Lewis	3847'		

Logging Record: ES, GR, Neutron, Microlog

Stimulation: Perf Lower Pt. Lookout @ 6016'-6100' w/36,000 gal water and 37,500# sand. Perf Upper Pt. Lookout @ 5902'-5996' w/43,000# gal water and 20,000# 20/40 sand and 40,000# 40/60 sand.

Workover History:

<u>Production History:</u>	Initial Deliverability	5601 MCFD	0 BOPD
	Latest Deliverability	30 MCFD	0 BOPD

Transporter: NWPL

**San Juan 30-6 Unit #13
NE/4 Section 32, T-30-N, R-06-W
Recommended Recompletion Procedure
Cliffhouse/Menefee/Lewis Pay-Adds**

Note: Notify BLM (326-6201) and NMOCD (327-5344) 24 hours before rig activity.

1. Shut in well for 7 day pressure build-up. Record wellhead pressures.
2. Inspect location. Test location rig anchors and repair if necessary. Install 1 X 400 bbl rig tank and fill with filtered (2 microns) 2% KCl water. Install 6 X 400 bbl frac tanks and fill with 2,322 bbls of usable 2% KCl water.
3. Hold safety meeting. MIRU. Place fire and safety equipment in strategic locations. Comply with all MOI, BLM, and NMOCD rules and regulations. NU relief line and blooie line to laydown flow tank. Obtain and record all wellhead pressures.
4. Blow down tubing. If tubing will not blow down, kill the well with the filtered KCl water.
5. TOOH with 6119' of 2-3/8", 4.7# 8rd tubing (197 jts). Visually inspect tubing and replace any bad joints.
6. TIH with 5-1/2", 14# casing scraper and 2-3/8", tubing. Make scraper run down to 5850'. TOOH.
7. TIH with Baker Model G Retrievable Bridge Plug in tandem with 5-1/2" Left-Hand Set Baker Retrievmatic E-A Packer and workstring. Set retrievable bridge plug @ 5810' above Point Lookout perforations. Pull up 2 joints, set packer and pressure test bridge plug to 3000 psi for 15 minutes. Dump 2 sx of sand on top of retrievable bridge plug.
8. Release packer and pull up 4 joints and load the well with the filtered KCl water. TOOH to 60" RKB, set the packer and pressure test to 3000 psi for 15 minutes. TOOH and reload well with water. If pressure test fails, prepare to test and repair casing. Contact production engineering and a casing repair will be submitted.
9. RU wireline. Run GR-CBL-CCL from bridge plug to 4100' (TOC was not originally located with a Temperature Survey). Evaluate GR-CBL-CCL and send copy to production engineering.

Cliffhouse/ Menefee Stimulation:

10. TIH with the workstring and spot 5 bbls of inhibited 7-1/2% HCl from 5525' to 5730'. TOOH
11. Perforate the following Cliffhouse and Menefee intervals from 5640' to 5665' and 5720' to 5750' with 3-3/8" with 4 SPF 120 deg phase 14 gram charges with minimum standoff. NOTE: SHOOT INTERVAL FROM THE TOP DOWN.
12. RIH with a pressure gauge on the wireline to 5700'. Record the pressure build-up for 6 hours. TOOH, RD wireline.
13. RIH with packer on 2 joints of 2-7/8" tubing and set below wellhead. Pressure test the backside to 1000 psi to ensure the packer is set.

San Juan 30-6 Unit # 13
Cliffhouse/ Menefee/ Lewis Payadds

14. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture well according to procedure provided by production engineer.
15. Collect any required pressure fall-off data. Bleed off any remaining pressure by flowing the well back through a choke. TOOH with the packer.

Lewis Stimulation:

16. TIH with Baker Model G Retrievable Bridge Plug in tandem with 5-1/2" Left-Hand Set Baker Retrievmatic E-A Packer and workstring. Set retrievable bridge plug @ 5100', above the Cliffhouse perforations. Pull up 2 joints, set packer and pressure test bridge plug to 3000 psi for 15 minutes. Dump 2 sx of sand on top of retrievable bridge plug.
17. Release packer, fill the hole with filtered KCl water. Spot 5 bbls of inhibited 7-1/2% HCl from 4765' to 4970'. TOOH
18. Perforate the Lewis interval from 4930' to 4970' with 3-3/8" with 4 SPF 120 deg phase 14 gram charges with minimum standoff.
NOTE: SHOOT THE INTERVAL IN ONE RUN.
19. RIH with a pressure gauge on the wireline to 4950'. Record the pressure build-up for 6 hours. TOOH, RD wireline.
20. RIH with packer on 2 joints of 2-7/8" tubing and set below wellhead. Pressure test the backside to 1000 psi to ensure the packer is set.
21. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4000 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). **Maximum treating pressure is 3000 psi.** Fracture well according to the procedure provided by production engineering. Shut in well for 6 hours upon completion of stimulation to allow gel to break.
22. Bleed off any remaining wellhead pressure by flow the well back through a choke. TOOH with the packer.
23. TIH with 2-3/8" tubing and retrieving head for the retrievable bridge plug above the Cliffhouse. Cleanout to bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis formation. Record pitot gauge as the Lewis formation only. Latch onto retrievable bridge plug and release bridge plug while pumping water down tubing-casing annulus if necessary. TOOH and lay down retrievable bridge plug.
24. TIH with 2-3/8" tubing and retrieving head for the retrievable bridge plug above Point Lookout. Cleanout to bridge plug with air until sand production is minimal. Obtain pitot gauge for the Lewis/ Cliffhouse/Menefee formations. Record pitot gauge as the Lewis/ Cliffhouse/ Menefee formations. Latch onto retrievable bridge plug and release bridge plug while pumping water down tubing-casing annulus if necessary. TOOH and lay down retrievable bridge plug.
25. RU wireline. Run Tracer Survey top down from 4400' to 5900'. Send copy of logs to Production Engineering. RD wireline.

26. TIH with an expendable check valve, one joint of 2-3/8" tubing, seating nipple, and 2-3/8" production tubing. Cleanout to COTD (6411') with air (using 1 to 2 joints of extra 2-3/8" if needed). Pull up in well and land tubing around 6119'. Obtain final pitot gauge. ND BOP's. NU WH. RD and MOL.
25. Hook-up well and produce for 14 days. Then shut-in for 7 days. RU wireline with a pressure gauge. Obtain a gradient survey and bottom hole pressure at the end of the 7 day shut-in.

Approved: Jim Howieson
Jim Howieson

For DBJ

Wireline Services Basin Perforating (327-5244)
Stimulation:..... BJ (327-6288)
Packers and Bridge Plugs: Baker Service Tools (325-0216)

Robin E. Hesketh Home: (327-9174)
 Office: (326-9808)