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)

5. Lease Number
B-1003

6. State Oil&Gas Lease
B-1003

2. Name of Operator
MERIDIAN OIL

7. Lease Name/Unit Name
Beaver Lodge Com

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

8. Well No.
1

9. Pool Name or Wildcat
Blanco Mesa Verde

4. Location of Well, Footage, Sec., T, R, M
1650'FSL, 990'FWL Sec.32, T-30-N, R-8-W, NMPM, San Juan County

10. Elevation:

Type of Submission	Type of Action	
_x_ Notice of Intent	___ Abandonment	___ Change of Plans
___ Subsequent Report	___ Recompletion	___ New Construction
___ Final Abandonment	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
	___ Altering Casing	___ Conversion to Injection
	_x_ Other - pay add	

13. Describe Proposed or Completed Operations

It is intended to perforate and stimulate the Menefee and Lewis intervals and add to the existing Cliff House and Point Lookout.

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SIGNATURE _____ (JAS)Regulatory Affairs November 19, 1993

(This space for State Use)
Approved by _____ Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date DEC - 1 1993

✦ ✦ ✦ *REVISED PERFORATIONS* ✦ ✦ ✦

Beaver Lodge Com #1
SW/4 Section 32, T-30-N, R-08-W
San Juan Basin, NM
Menefee/Lewis Pay-add

☎ **Contact BLM and NMOCD prior to performing work on this well** ☎
Comply with all BLM, NMOCD, and MOI rules and regulations.

1. Test location rig anchors and repair if necessary. Blow down tubing. MIRU. NU BOP, blooie line, and relief line. **Be prepared to call for 5200' 2-7/8" slimhole fracstring if casing does not test to 3000 psi in Step 8.**

2. Install 8 X 400 bbl tanks and fill with 2% KCl water for fracture stimulation. Add 5 #'s biocide/tank before filling. Place fire and safety equipment in strategic locations.

3. Pressure test BOP for 15 minutes. TOOH with 160 jts. of 2-3/8" tubing and stand back. Visually inspect and replace any bad joints. TIH with 3-7/8" bit and 4-1/2"-10.5# casing scraper on 2-3/8" workstring and clean out to PBTD @ 4979'. TOOH.

4. RU wireline. Set drillable BP above Cliffhouse @ 4140' (***check for fluid level when GIH and load as needed prior to running logs**). Run GR-CBL-CCL and CNL in 4-1/2" longstring from BP to 3000' (approximate top Lewis perf). Cement top is estimated to be @ 3450' by a temperature survey. Evaluate GR-CBL-CCL and CNL. Run copy of logs to office to evaluate.

5. PU 4-1/2" pkr on 2 jts tbg and set. Pressure test BP and csg to 3800 psi. If csg does not pressure test, hunt leaks. Squeeze procedure will be provided if needed. 4-1/2" csg may be pulled and replaced if needed.

Squeeze Work to Cover Lewis if Needed

6. Perforate 4 squeeze holes @ approximately 3400' (based on CBL) with short penetration tbg puncher, through 4-1/2" longstring but not through 7" intermediate casing.

7. Open intermediate valve and pump down 4-1/2" casing and establish rate through perfs while monitoring flow or blow out intermediate valve. PU 4-1/2" cement ret. on workstring and set @ 3350', sting in, establish rate and flow out intermediate valve. Squeeze w/ 500 sx "Class H" (includes 50% excess) and additives until cement is observed out intermediate valve. Sting out, reverse out. TOOH.

8. PU 3-7/8" bit, collars, and 2-3/8" tbg and drill out cement and retainer. Push junk to BP @ 4140'. Close rams and pressure test csg. to 3000 psi for 15 minutes*. Drill BP @ 4140' and clean out to PBTD @ 4979'. TOOH.
**If casing does not test, notify office with leakoff and pressures, and prepare to locate leaks. Additional squeeze procedure may or may not be required. If, after confirming casing integrity with office, proceed.*

8. PU 3-7/8" bit, collars, and 2-3/8" tbg and drill out cement and retainer. Push junk to BP @ 4140'. Close rams and pressure test csg. to 1000 psi for 15 minutes*. TOOH. PU pkr on 2 jts tbg and test csg to 3800 psi for 15 minutes. (Continued From Step 5) PU bit and collars and drill BP @ 4140' and clean out to PBTD @ 4979'. TOOH.

9. RU wireline. Set RBP @ 4700'. Spot 10' of sand on RBP. TIH w/4-1/2" pkr and set @ 4650'. Pressure test RBP to 3800 psi for 15 minutes. Unseat pkr and spot 200 gal. of inhibited 7-1/2% HCL w/ iron sequestering agent across perf zone. TOOH.

10. RU wireline. Perforate the following Menefee intervals, with a 3-1/8" @ 2 SPF (90 - 180 degree phasing).
    4360', 4386', 4406', 4432', 4438', 4445', 4464', 4488', 4498', 4503', 4508', 4515', 4520', 4536', 4540', 4546', 4574', 4591', 4596', 4601', 4609', 4646', 4658', 4666',
    24 intervals - Total 48 holes

11. TIH with 2-3/8" workstring and 4-1/2" packer. Set packer @ 4340' (above Menefee, below Cliffhouse) and prepare to breakdown perforations.

12. RU stimulation company. Breakdown and balloff w/ 1200 gallons of 7-1/2% HCl @ 4-10 bbl/min. with 1gal/1000 gal clay control, 4/1000 silt suspender, 1/1000 inhibitor and 5/1000 sequestering agent. Drop a total of 48-7/8" RCN ball sealers spaced evenly throughout the job w/ 5 ball slugs every 10 balls dropped. Record injection rate and all breakdown pressures throughout job.

13. Release packer, TIH and knock off ball sealers to top of sand on RBP. Reset pkr @ 4340'.

14. RU Tefteller and run 48 hr pressure bomb with well SI to pkr SN. **Leave well SI for 24 hrs** and record surface pressures every 1/2 hr. TOOH w/ bomb.

15. PU 4-1/2" straddle packer (isolation Liner) on 2-3/8" workstring and TIH. Set Straddle Packer to overlap Cliffhouse perfs @ 4156' to 4296'. **Bottom packer element set @ 4320' and top element @ 4130' +/- 10'.** TOOH.

16. PU 4-1/2" pkr on 2 jts 2-7/8" N-80 tubing and set.

17. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 3800 psi. Fracture stimulate well w/ 30 # X-Link Gel according to attached procedure.

18. TIH w/ straddle packer retriever on 2-3/8" workstring and retrieve straddle packer. TOOH & LD.

19. RU wireline. Set RBP above Cliffhouse @ 4100'. Spot approximately 10' of sand on top of RBP w/wireline bailer.

20. TIH w/ 4-1/2" packer and set @ 4000'. Pressure test BP to 3800 psi for 15 minutes. Release packer and spot 400 gallons of inhibited 7-1/2% HCL across Lewis interval. TOOH.

21. RU wireline. Perforate the following Lewis intervals, with a 3-3/8" HSC @ 2 SPF (90-180 degree phasing).

    Approximate Perforations: 3200'-3800'. **Actual Perforations will be picked from CNL when run.**

22. TIH with 2-3/8" workstring and 4-1/2" packer. Set packer @ approximately 3100' and prepare to breakdown perforations.

23. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 3800 psi. Breakdown and balloff w/ 1200 gallons of 7-1/2% HCl @ 4 bbl/min. with 1gal/1000 gal clay control, 4/1000 silt suspender, 1/1000 inhibitor and 5/1000 sequestering agent. Drop a total of (2X # of perforations) 7/8" RCN ball sealers spaced evenly throughout the job w/ 5 ball slugs every 10 balls dropped. Displace w/ Frac fluid. Record injection rate and all breakdown pressures throughout job.

24. Release packer, TIH and knock off ball sealers to top of sand on RBP. TOOH w/ packer.

25. PU 4-1/2" pkr on 2 jts 2-7/8" N-80 tubing and set.

26. RU stimulation company. Hold safety meeting. Pressure test surface lines to 4800 psi (1000 psi over maximum allowable treating pressure but no greater than working pressure of surface lines). Maximum treating pressure is 3800 psi. Fracture stimulate well w/ 30# XL and slick water according to attached procedure. Shut down during Pad stage to determine ISIP. If pressure is at 0 psi within 5 minutes, cut flush by 50%, else flush w/ 80%.

27. **Immediately** flow back well until returns diminish. Release packer TOOH.

28 TIH w/notched collar or retrieving tool w/ SN (do not run string float) on 2-3/8" workstring and reverse out to upper RBP until sand returns are clean and water production is minimal. **Obtain pitot gauge.** PU to top perf and SI well.

29. RU Teftellier and run 48 hr pressure bomb with well SI to pkr SN. **Leave well SI for 24 hrs** and record surface pressures every 1/2 hr. TOOH w/ bomb.

30. Clean well out to RBP. **Obtain pitot gauge.** Release RBP and TOOH.

31. TIH with retrieving head on workstring and reverse out to lower bridge plug. **Obtain pitot gauge.** Retrieve bridge plug. TOOH.

32. TIH with 2-3/8" production tubing and SN one joint off bottom of string. CO to PBTD @4978'. When fluid production becomes negligible, land tubing at 4945'. **Obtain final pitot gauge.**

33. ND BOP. NU wellhead. RDMO.

ORIGINAL SIGNED IN FILE

J. A. Howieson

J. A. Smith

Vendors:

Packer Rental & Bridge Plugs:	(Schlumberger)
Wireline Services:	(Schlumberger)
Stimulation:	(BJ)

DBJ
JAS/jas

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