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

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-23532

1. **Type of Well**
GAS

5. **Lease Number**

6. **State Oil&Gas Lease #**
B-10870-6

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY**

7. **Lease Name/Unit Name**
Mims State Com

8. **Well No.**
1A

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

9. **Pool Name or Wildcat**
Blanco Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
925'FNL 855'FWL, Sec.16, T-29-N, R-9-W, NMPM, San Juan County

10. **Elevation:**

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

13. **Describe Proposed or Completed Operations**

It is intended to add Menefee pay to the Mesaverde formation of the subject well and stimulate the Cliff House and Menefee according to the attached procedure and wellbore diagram.

RECEIVED
DEC
OIL CON. DIV.

SIGNATURE [signature] (JLD) Regulatory Administrator December 14, 1998

TLW

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date DEC 18 1998

Mims State Com #1A

Cliffhouse Restimulation/Menefee Pay Add Procedure
Unit D, Section 16, T29N, R9W
Lat: 36° – 43.77042'/ Long: 107° – 47.36298'

Mims State Com #1A is currently completed in the Cliffhouse/Point Lookout. It is intended to add Menefee pay to the existing Mesaverde producer and sand fracture stimulate in the Cliffhouse/Menefee in a single stage using a total of 60,000 gals 30 lb linear gel and 90,000 lbs 20/40 sand.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location 4900' 2-3/8" tubing, 3 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, 3900', 2-7/8" N-80 buttress frac string and 5, 400 bbl frac tanks

2. MIRU. Fill 400 bbl tanks with 2% KCL water. Run fluid tests on water. Filter water based upon stimulation company solids water analysis. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.

3. TOOH with 2-1/16" Pictured Cliffs production string set at ± 2332'. LD 2-1/16" tubing. Pull up on Mesaverde 2-1/16" production string and turn to the right until the Baker Model A-2 Lockset packer at 3843' releases and starts to move uphole. TOOH with Mesaverde 2-1/16" production string and packer. LD.

4. PU and RIH with a 3-7/8" bit, 4-1/2" (9.5 lb/ft) casing scraper on the 2-3/8" tubing string hauled to location. Clean out to PBTD (~4816') with air/mist. TOOH.

5. PU and RIH with 4-1/2" CIBP, packer on 2-3/8" tubing. Set CIBP at 4440'. Release from CIBP. Set packer just above CIBP. Pressure test CIBP to 3600 psi. Bleed off pressure and release packer. Load hole with approximately 20 bbls 2% KCL water. PUH to 4410'. Spot 350 gals of 15% HCL across Cliffhouse and Menefee perf interval from 3929' to 4408'. TOOH.

   All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

6. RU wireline. Run GR-CBL-CCL from PBTD to until out of water. Evaluate CBL. Good cement coverage must exist from 3900 to 3800' to continue with procedure.

7. Perforate Cliffhouse and Menefee as follows using select fire HSC guns loaded with Owens HSC-3125 302T 10 gram charges (Av. perf diameter - 0.29", Av. pen. -16.64" in concrete).

   4082', 4186', 4190', 4195', 4212', 4226', 4267', 4301', 4340', 4397', 4406', 4408'
   (12 new holes, 18 old holes, 30 holes total)

RDMO wireline company.

8. TIH with 4-1/2" packer, 3 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, and remaining 2-7/8" N-80 buttress frac string. Set packer at 3700'.

9. RU stimulation company. Hold tailgate safety meeting. Pressure test surface lines to 6500 psi. Monitor pressure on annulus. Breakdown Cliffhouse and Menefee perforations with 1000 gals 15% HCL. Drop 60 RCN 7/8" 1.3 specific gravity perf balls evenly spaced throughout job. Attempt to balloff to 3600 psi. Use same additives as in Step #6. Bleed off pressure and release packer. Lower packer to PBTD to knock off perf balls. Reset packer at 3800'.

10. **Maximum surface treating pressure is 5500 psi.** Monitor annulus pressure during the job. Fracture stimulate the Cliffhouse and Menefee with 90,000 lbs 20/40 Arizona sand in 55,000 gals 30 lb linear gel at **45 BPM**. **If surface pressures allow, increase injection rate accordingly.** Average surface treating pressure will be 4333 psi. Estimated tubing and perforation friction will be 4471 psi. Treat per the following schedule:

Stage	Water (gals)	Sand Volume (lbs)
Pad	10,000	
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush	937	
Totals	**55,937**	**90,000**

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing.

Frac with the following additives per 1000 gals frac fluid. **Gel will be mixed on the fly.**

*	7.5 gal	LGC-8	Gel
*	0.18 lb	BE-6	Biocide
*	0.4 lb	SP	Oxidizing Breaker
*	0.2 lb	GBW-3	Enzyme Breaker

RDMO stimulation company.

11. Open well through positive choke or choke manifold and monitor flow. Flow at 20 BPH or less, if sand is observed. When pressures allow, release packer and TOOH. LD 2-7/8" frac string, 2-7/8" X 2-3/8" crossover, 2-3/8" N-80 tubing, and 4-1/2" packer.

12. RIH with 3-7/8" bit on 2-3/8" tubing and clean out to CIBP at 4440'. Monitor gas and water returns when applicable. Obtain a representative Pictured Cliffs/Cliffhouse/Menefee pitot gauge. Drill up CIBP at 4440'. Continue to CO to PBTD. When water rates are less than 3 BPH, obtain a Pictured Cliffs/Cliffhouse/Menefee/Point Lookout pitot gauge. TOOH.

13. TIH with 4-1/2" packer on 2-3/8" tubing. Set the packer at 3830' (100' above top Mesaverde perforation at 3929'). Run Mesaverde only 3 hour production test through separator using a back pressure of **120** psi. Record results on WIMS report. RD test separator. This is necessary for NMOCD commingling regulations. Release packer and TOOH.

15. TIH with an expendable check, one joint 2-3/8" tubing, standard SN and remaining 2-3/8" tubing string. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. Land tubing at 4605'. ND BOP. NU WH. Pump off expendable check. RDMO. Contact Production Operations for well tie-in.

Recommended: _____ Production Engineer

Approved: _____ 12/9/98 Drilling Superintendent

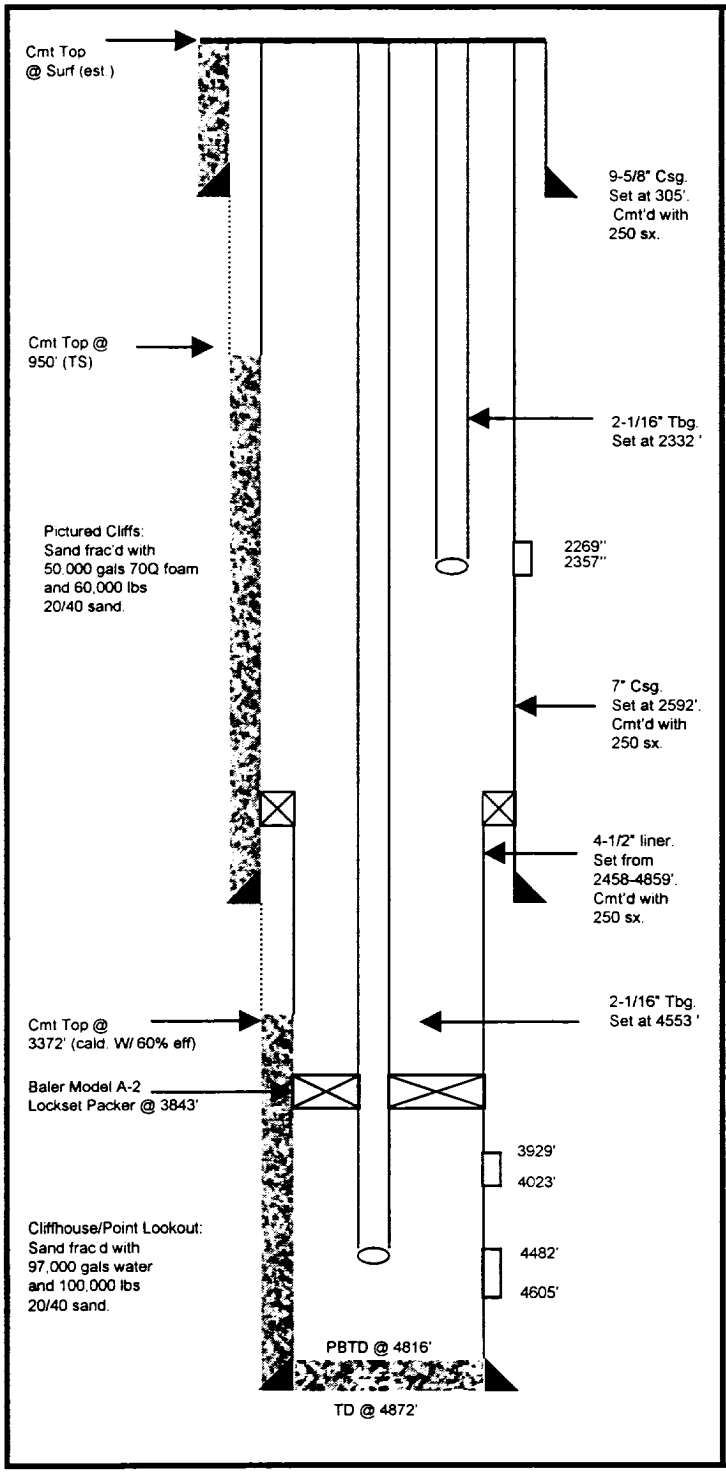
Approved: _____ 11/9/98 Team Leader

Jennifer Dobson 599-4026 (work) 564-3244 (home) 324-2461 (pager)

Mims State Com #1A

Unit D, Section 16, T29N, R9W
San Juan County, NM
Lat: 36° - 43.77042'/Long: 107° - 47.36298'

Current Schematic



Proposed Schematic