

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) 30-045-10074
	5. Lease Number
	6. State Oil&Gas Lease # E-5388
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY	7. Lease Name/Unit Name Atlantic D Com
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Well No. #1
4. Location of Well, Footage, Sec., T, R, M 1582' FSL 932' FWL, Sec. 36, T-31-N, R-10-W, NMPM, San Juan County	9. Pool Name or Wildcat Blanco Mesaverde
	10. Elevation:

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<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 Injection
	<input checked="" type="checkbox"/> Other -

13. Describe Proposed or Completed Operations

It is intended to add Merefee pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAR - 4 1999
OIL & GAS DIVISION

SIGNATURE *Ernie Busch* (MQ) Regulatory Administrator March 2, 1999

TLW

(This space for State Use)

DEPUTY OIL & GAS INSPECTOR, DIST. #3

MAR 3 1999

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title _____ Date _____

Atlantic D Com #1
Menefee Payadd Procedure
1582' FSL, 932' FWL
Unit L Sec. 36, T-31 R-10W
San Juan County, NM
Latitude: 36 ° 51.13' Longitude: 108° 50.38'

Summary:

The Atlantic D Com #1 is a 1999 Menefee payadd. This well was originally drilled in 1953 and was open-hole completed w/ SNG in the Mesaverde. In 1970, the well was side tracked and completed in the Cliff House and the Point Lookout. The Cliff House was treated w/ 42,000# sand and 46,500 gals water, and the Point Lookout was treated in two stages w/ 80,000# sand and 72,000 gals water. The Menefee formation was omitted during this completion. The Menefee will be completed w/ 80,000# sand and 47,250 gals 30# Linear Gel.

- Comply with all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. **Notify BR regulatory (Peggy Bradfield 326-9727)** and the appropriate Regulatory Agency prior to pumping any cement job and after CBL is run. If an unplanned cement job is required, **approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims.** Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
 - Inspect location and wellhead and install rig anchors prior to rig move.
 - Construct blow pit.
1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set 4 - 400 BBL frac tanks and fill w/ 2% KCL. Blow well down and kill well with 2% KCL water as necessary. ND wellhead and NU BOP, stripping head and blooie line. Test BOP.
 2. TOOH w/ approximately 202 jts. 2-3/8" tbg set at +/- 5893' and stand back. Inspect tubing and replace as necessary.
 3. RU wireline company and RIH w/ 4-1/2" gauge ring and tag bottom. If ring tags up before 5590', PU 3-7/8" bit on 2-3/8" tubing and CO to 5936' (PBTD). TOOH. PU 4-1/2" CIBP and 4-1/2" retrievable packer on 2-3/8" 4.7# tubing and set CIBP @ ± 5570'. Pull 1 stand and set packer @ ± 5506'. Pressure test CIBP to 3800 psi. Release packer. Spot 225 gals 15% HCl Acid**. TOOH.
 4. Perforate 21 holes with 3-1/8" HSC-3125-306T gun w/ 12 gram charges, 17.48" penetration and 0.30 perf diameter. Correlate to old Compensated Formation Density Log. Perforate bottom up.

**5542', 5536', 5530', 5500', 5493', 5481', 5468', 5462', 5456', 5424', 5419', 5414', 5400',
5378', 5373', 5345', 5341', 5334', 5307', 5267', 5253'**

RD wireline company.

Stimulate -- Menefee

5. PU 4-1/2" packer on 2-3/8" 4.7# tubing and set @ ± 5170'. **Note: Perforations open from 4984'-5154' in the Cliff House.** Open annulus to the pit and monitor. Breakdown perforations w/ 1500 gal. 15% HCL.** to a maximum bottom hole pressure of 3800 psi. Drop 42 -- 7/8" 1.1 SG RCN balls. Balloff to maximum bottom hole pressure of 3800 psi. Record breakdown pressure and ISIP. Release pkr and knock balls off perforations. TOOH.

** All acid to contain the following additives/1000 gal.:

2 gal.	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	surfactant
0.5 gal	Clay Master-5C	clay control

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6. PU and TIH w/ 4-1/2" C-Cup Packer Straddle Assembly (4-1/2" C-Cup packer, 8 jts of 2-3/8" 4.7# J-55 tbg, 4-1/2" packer, and 2 jts 2-3/8" 4.7# J-55 tbg.) and the remaining 2-7/8" 6.4# N-80 BUTTRESS frac string. Set bottom packer @ \pm 5200' and set the top packer @ \pm 4944'. (Straddling perms: 4984' -- 5154') RU Stimulation Company. Hold pre-job safety meeting. Load annulus and keep loaded during frac. Pressure annulus to 500 psi and monitor annulus pressure during frac. Pressure test surface lines to 7000 psi.

7. Fracture stimulate in 1.0 to 3.0 ppg stages @ 35 BPM constant downhole rate with 47,250 gal. of 30# linear gel and 80,000# 20/40 mesh sand. Maximum surface treating pressure is 6000 psi. When sand concentration begins to drop, call flush. Flush to top perf @ \pm 5253'. Maximum bottomhole treating pressure is 3800 psi (80% of burst). Estimated friction pressure is 5201 psi @ 35 BPM.

Stage	Sand Conc ppg	Stage Sand lbs	Stage Fluid gals	Stage Slurry gals
Pad	0	0	7,500	7,500
2	1	10,000	10,000	10,456
3	2	30,000	15,000	16,368
4	3	40,000	13,333	15,157
Flush		0	1,417	1,417
		Total 80,000	Total 47,250	Total 50,898

8. Record ISIP, 5, 10, and 15 minute shut-in pressure. Shut-in frac valve. RD stimulation company.
9. After pressure allows, release packers and TOOH w/ 2-7/8" 6.4# N-80 BUTTRESS frac string and 4-1/2" C-Cup Straddle Packer Assembly and lay down.
10. TIH w/ 3-7/8" bit on 2-3/8" 4.7# J-55 tubing and CO to CIBP @ \pm 5570'. Obtain pitots when possible. When rates drop to less than 3 BWPH and a trace of sand, DO CIBP @ \pm 5570'. TOOH and lay down.
11. PU and rabbit in tubing. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, seating nipple, then the remaining 2-3/8" production tubing. Land tubing @ \pm 5893'.
12. ND BOP's, NU wellhead. Pump off expendable check. RD and MOL. Place well on production.

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Approve: _____
Team Leader

Approve: PJB 2/22/99
Drilling Superintendent

Recommend: Michele S. Quisel 2/22/99
Production Engineer

VENDORS:

Wireline:
Tools:

Basin
Baker

327-5244
327-3266

Michele Quisel

Home 564-9097

Office 324-6162

Pager 326-8196

Atlantic D Com #1

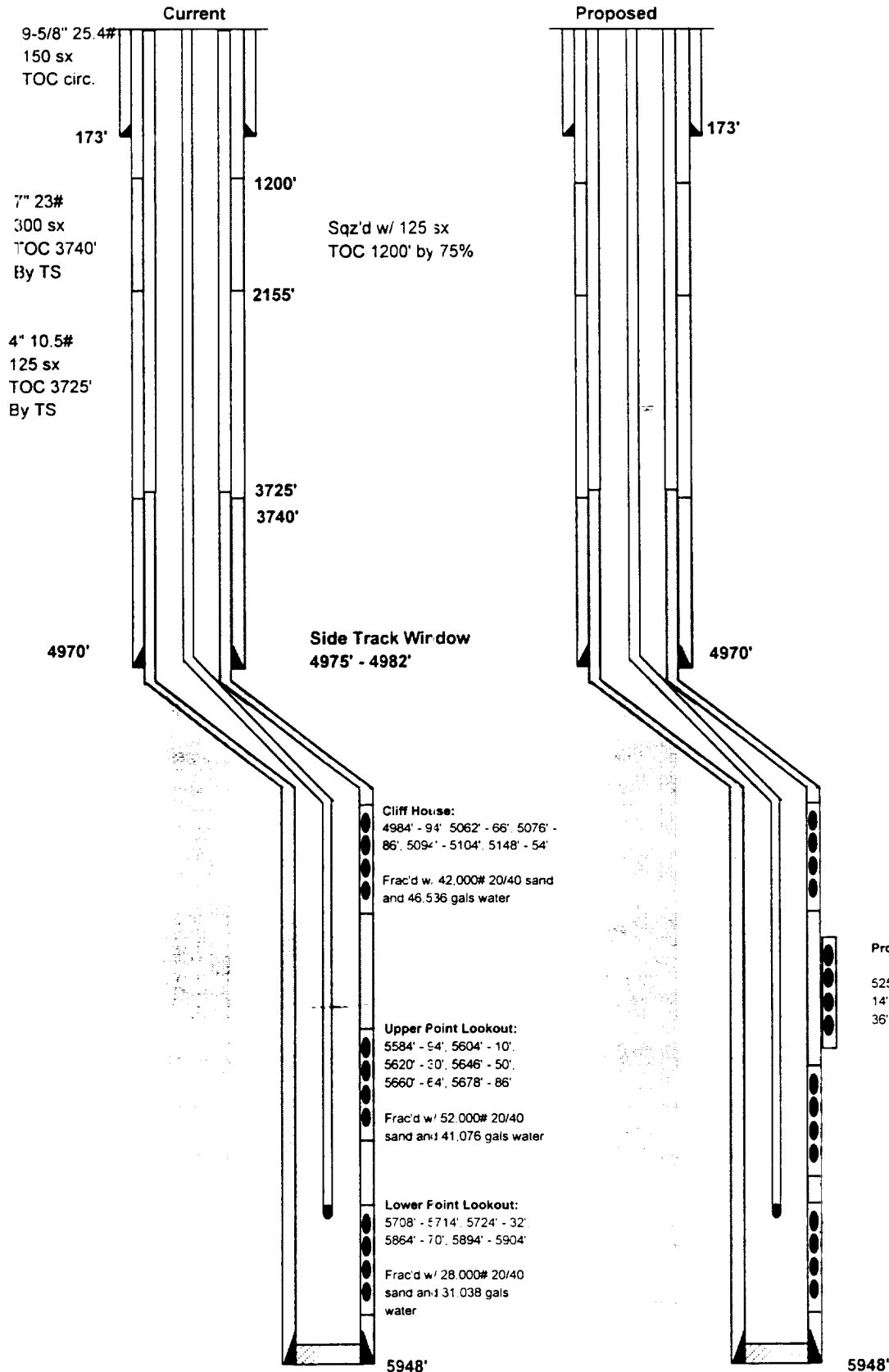
1582' FSL, 932' FWL

Unit L Sec. 36, T-31 R-10W

San Juan County, New Mexico

<B 6646

GL 6635



Formation Tops

Ojo Alamo	2000
Kirtland	2157
Fruitland Coal	2960
Pictured Cliffs	3389
Lewis	3430
Cliffhouse	4990
Menefee	5175
Point Lookout	5570

Proposed Menefee Perfs:

5253', 67' 5307', 34', 41', 45', 73', 78', 5400',
14', 19', 24', 56', 62', 68', 81', 93', 5500', 30',
36', 42'

PBTD = 5936'

TD = 5948

MSQ

12/7/98