1. Type of Well GAS		5. 6.	Tribe	499-A ian, All. or Name
2. Name of Operator	- 1112 - M ar 1 5 10 9 3	7.	Unit A	greement Name
BURLINGTON RESOURCES OIL & GAS COMPANY	OIL COSL D		wall N	ame & Number
3. Address & Phone No. of Operator			Hardie	
PO Box 4289, Farmington, NM 87499 (505) 326	5-9700	9.	API We 30-045	
4. Location of Well, Footage, Sec., T, R, M 790'FSL 1650'FWL, Sec.9, T-28-N, R-8-W, NMPM	2		Field Blanco County	and Pool Mesaverde and State an Co, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF	NOTICE, REPORT, OT	HER	DATA	
X Notice of Intent Abandonment Recompletic Subsequent Report Plugging Ba Casing Repart	on New Const ack Non-Routi	ruct ne F t of	ion racturi f	•
It is intended to restimulate and add pay subject well according to the atta				iagram.
			OZO TALLEZION, NW	#2051YEU 23 10 PH 1: 12
14. I hereby certify that the foregoing is tru	e and correct.			
Signed Sill heer (RLG) Title Rec	gulatory Administra	tor	Date 3/	
CONDITION OF APPROVAL, if any: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and will				2
United States any false, fictitious or fraudulent statements or representations				

NMOCD

Sundry Notices and Reports on Wells

Hardie E # 2

Burlington Resources Oil & Gas Mesaverde Restimulation and Payadd Unit N - Sec 09 - T28N - R08W

Lat: 36° 40.25′ Long: 107° 41.35′

Comply with all BLM, NMOCD, & BR rules & regulations.

Hold Safety Meetings. Place fire safety equipment in strategic locations.

Spot and fill 4 frac tanks with 2% KCl water.

- (1) 4-1/2" CIBP required for 4-1/2" 10.5# K-55 pipe.
 - (1) 4-1/2" Model 'EA' Retreivamatic Packer
- 2800' 3-1/2" 9.3# N-80 Frac string
- 4 its 2-7/8" 6.5# N-80 buttress tubing

The well is completed in the Blanco Mesaverde (CH/PL) and is currently producing 40 MCFD. Cumulative production is 477 MMCF with remaining reserves of 76 MMCF. Pay will be added in the Cliffhouse and the Menefee. The entire interval will be stimulated in one stage with a 30# linear gel frac and 100K# sand.

NOTE: Cliffhouse perfs open 4380' - 4410' Point Lookout perfs open 4892' - 5034'

- MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Blow down casing and tubing. Kill well w/ 2% KCI. ND WH, NU BOP.
- 2. TOOH with 1-1/4" 2.3# J-55 tubing from 5039' (163 joints). Visually inspect tubing, replacing any bad joints.
- 3. RU wireline unit. Run 4-1/2" gauge ring to 4880'. POOH. TIH with 4-1/2" Mechanical set RBP/4-1/2" packer combo on 2-3/8" tbg. Set RBP at 4370'.TOOH to 2900'. Set packer and pressure test casing and RBP to 1100 psi on surface (Bottom hole pressure = 3000 psi). NOTE: RBP must be a tension or neutral set.
- Release packer, TIH, and latch on to RBP. Release and reset RBP at 4870'. Set packer just above RBP and pressure test to 3000 psi. Release packer and spot 500 gal of 15% HCl. TOOH.
- 5. RU wireline unit. Run in hole with dump bailer and spot sand on top of RBP. POOH. Run in hole with GR/CCL from 4850' to 4100'. POOH.
- Under packoff, perforate CH/MN at the following depths with select fire HSC gun using Owen 3125-302T 10g charges (0.29" hole, 16.64" penetration), 1 SPF @ 180 degree phasing.

EPNG B # 1A Burlington Resources Oil & Gas 03/02/99

4244', 4248', 4347', 4356', 4570', 4574', 4578', 4648', 4652', 4656', 4660',

4664', 4670', 4732', 4735', 4738', 4822', 4825'

(18 total holes, 581' gross interval)

- 7. TIH with 4-1/2" pkr on 2-3/8" tbg. Set pkr at 4100'.
- 8. RU stimulation company. Test surface lines to 6000 psi. Max surface pressure = 3000 psi at 5 BPM. Hold 500 psi on annulus during breakdown and stimulation. Break down CH/MN w/ 1000 gallons 15% HCl. Drop 60 RCN 7/8" 1.3 SG perf balls evenly spaced throughout job. Attempt to balloff to 3000 psi. Bleed off pressure and release packer. Lower packer to 4835' to knock balls off perforations. TOOH.
- 9. TIH with 4-1/2" pkr on 3 jts 2-7/8" 6.5# N80 buttress tbg and 3-1/2" 9.3# N80 frac string. Set pkr at 2900'.
- 10. RU stimulation company. Test surface lines to 6000 psi. Max surface pressure = 4900 psi at 50 BPM. Fracture stimulate w/ 100,000# 20/40 Arizona sand with 30# Linear gel at 50 BPM. Increase injection rate as pressure allows. See attached frac schedule for details. (6 frac tanks needed)

Estimated pressure drop due to friction at:

50 BPM	1919 psi	Max surface pressure	4900 psi
• • • • • • • • • • • • • • • • • • • •		•	4400 psi
40 BPM	1402 psi	Max surface pressure	
30 BPM	935 psi	Max surface pressure	3900 psi

- 11. Open well through a 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 3-1/2" frac string, 2-7/8" N80 buttress tbg, and 4-1/2" packer.
- 12. TIH w/retrieving head on 2-3/8" tbg and clean out to RBP at 4870'. Pull above perfs and obtain pitot gauge for the Cliffhouse/Menefee.
- 13. Latch on to RBP, release, and TOOH.
- 14. TIH w/3-7/8" bit on 2-3/8" tbg and clean out to PBTD (5098'). Clean up to minimal water and trace to no sand. Obtain combined pitot gauge. TOOH.
- 15. Prepare to run production tubing string as follows: expendable check, one joint 1-1/4" tubing, common seating nipple, and remaining tubing. Land tubing @ 5039'.
- 16. ND BOP's, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up tubing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

EPNG B # 1A Burlington Resources Oil & Gas 02/23/99

Recommend:

Production Engineer

2-23-9**9**

Approved:

Basin Opportunities Team Leader

Approved:

Drilling Superintendent

Vendors:

Wireline

Black Warrior

327-5244

Stimulation

Halliburton

324-3500

Production Engineer: Bobby Goodwin

326-9713-work 564-7096-pager 599-0992-home

Hardie E #2

Unit N, Section 9, T28N, R8W San Juan County, NM

Lat: 36° - 40.24566'/Long: 107° - 41.34888'

Current Schematic

Proposed Schematic

