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

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

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

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

4. **Location of Well, Footage, Sec., T, R, M**
1850' FNL, 1600' FEL, Sec. 31, T-32-N, R-6-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-~~11995~~ 29612

5. **Lease Number**
FEE

6. **State Oil&Gas Lease #**

7. **Lease Name/Unit Name**
Allison Unit Com

8. **Well No.**
#62

9. **Pool Name or Wildcat**
~~Blanco~~ S. Los Pinos Ext PC/Blanco MV

10. **Elevation:**

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

13. **Describe Proposed or Completed Operations**

It is intended to recomplete the subject well in the Pictured Cliffs formation according to the attached procedure and wellbore diagram. After recompletion, the well will be produced as a dual.

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JUN 21 1999
OIL CON. DIV.
DIST. 3

SIGNATURE Peggy Bradfield Regulatory Administrator June 8, 1999

vkh

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JUN 30 1999

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Departi.

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹API Number	²Pool Code	³Pool Name
30-045-11995	~~72359~~/72319	~~Blanco~~ Pictured Cliffs/Blanco Mesaverde

⁴Property Code	⁵Property Name	⁶Well Number
6784	ALLISON UNIT COM	62

⁷OGRID No.	⁸Operator Name	⁹Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6371'

¹⁰ Surface Location

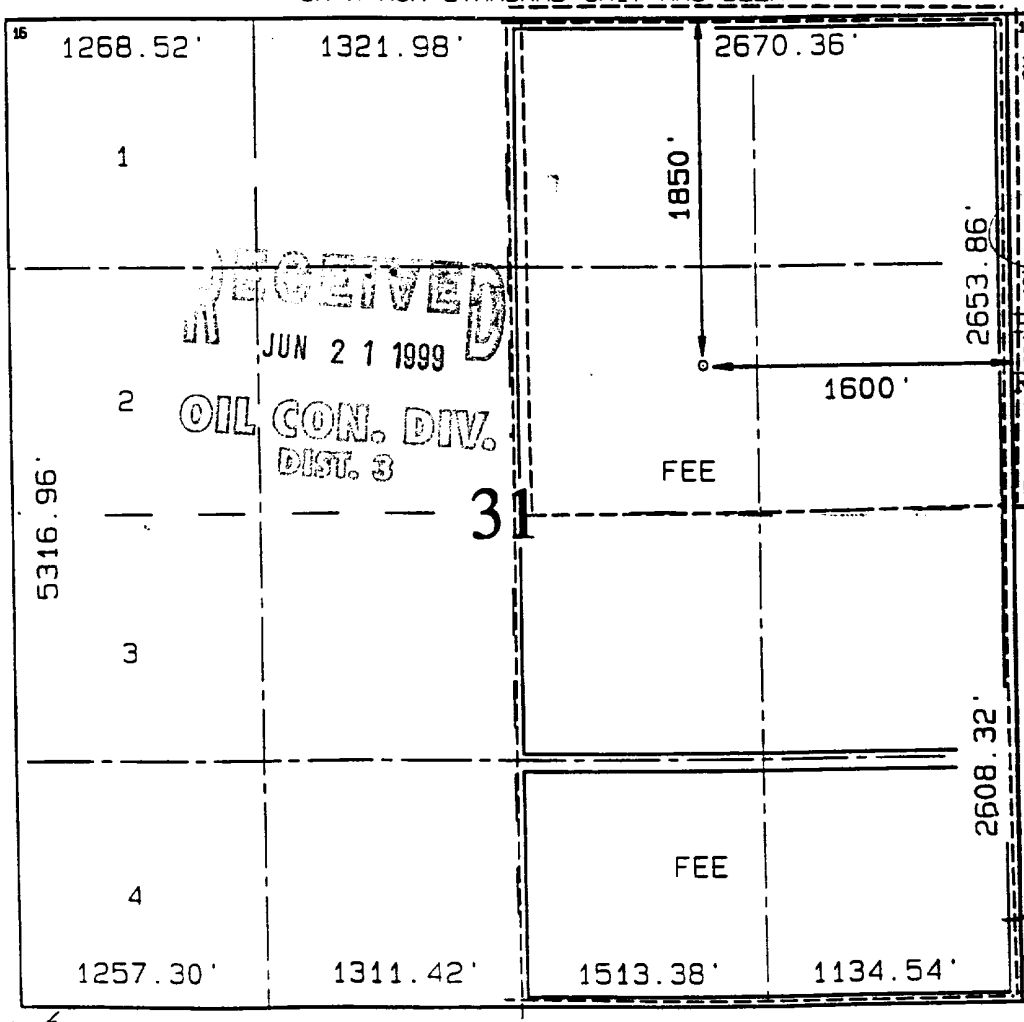
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	31	32N	6W		1850	NORTH	1600	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹²Dedicated Acres	¹³Joint or Infill	¹⁴Consolidation Code	¹⁵Order No.
NE/4-160: Pictured Cliffs E/2-320: Mesaverde			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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DIST. 3

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

6-17-99
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 5, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

OK C

Allison Unit Com #62
Pictured Cliffs Recompletion Procedure
Unit G, Section 31, T32N, R06W
Lat: 36°- 56.31408'/Long: 107° – 29.77938'

This well is currently completed in the Mesaverde. It is intended to recomplete the Pictured Cliffs interval and produce the well as a dual with a production packer set in the 7" casing, thereby producing the Pictured Cliffs up the annulus. The Pictured Cliffs will be completed in a single stage with 135,000 lbs 20/40 sand in a 70Q 20lb linear gel.

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 3300', 1-1/2", 2.9 lb/ft, IJ tubing, 2 jts 2-7/8" N-80 tubing and 3-400 bbl frac tanks.

2. MIRU. Fill 400 bbl tanks with 2% KCL water. Run fluid tests on water. Filter water based upon stimulation company 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 2-3/8" Mesaverde production string set at 5905'. Visually inspect tubing, note and report any corrosion and/or scale in/on tubing. Replace bad joints as needed.

4. RU wireline company. Run a gauge ring for 7", 23 lb/ft, J-55 casing to 4-1/2" liner top at 3347'. ND wireline company. If unable to run gauge ring to 4-1/2" liner top, PU 6-3/4" bit and 7", 23 lb/ft, J-55 casing scraper and round trip to liner top.

5. TIH with 7" tubing set RBP on 2-3/8" tubing. Set RBP at ~3300'. Release from RBP and fill casing with approximately 130 bbls 2% KCL. PUH to 3210'. Spot 5 bbls 15% HCL acid across Pictured Cliffs perforation interval (3178-3209'). 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. NU wireline company. Run GR-CBL-CCL from PBTD to 200' above TOC behind 7" casing. Evaluate CBL. Good cement bond must exist from PBTD to 3100' to continue with the procedure.

PICTURED CLIFFS:

7. TIH with 7" packer and 2 joints of 2-7/8" tubing for wellhead isolation. Set packer and pressure test casing to 3000 psi. Bleed off pressure. Release packer and TOOH.

8. NU wireline. Perforate Pictured Cliffs with 32 holes using select fire HSC guns loaded with Owens HSC-3125 306T 12 gram charges set at 2 SPF (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). ND wireline company.

   3178', 3179', 3180', 3184', 3185', 3186', 3187', 3188', 3189', 3190', 3192', 3193', 3194', 3196', 3205', 3209' (32 holes total)

9. TIH with 7" packer and 2-3/8" tubing. Set packer at 3000'.

10. Pressure test surface lines to 4600 psi. Hold tailgate safety meeting. Establish an injection rate into perfs with 2% KCL water observing a maximum pressure of 3600 psi. Once pressure has broken back and stabilized, shut pumps down and obtain an ISIP. Continue to breakdown Pictured Cliff perforations with 25 bbls 15% HCL. Drop 64 RCN 7/8" 1.3 specific gravity balls evenly spaced. Attempt to ball off to 3600 psi surface pressure. Use the same additives as in Step 5. ND stimulation company.

11. Bleed off pressure. Release packer. Lower packer to 3210' to knock balls off of perforations. TOOH. Stand back 2-3/8" tubing.

12. TIH with 7" packer and 2 jts 2-7/8" tubing for wellhead isolation. Set packer.

13. **Maximum surface treating pressure is 3000 psi.** Fracture stimulate the Pictured Cliffs with 135,000 lbs 20/40 Arizona sand in 1300 bbls 70Q 20 lb linear gel foam at **35 BPM** constant downhole rate. **Maintain a bottom hole frac gradient of 0.65 psi/ft throughout job. Tag sand with 3 radioactive tracers.** When sand is in hopper and the concentration begins to drop, call flush. Maintain previous stage's slurry and N_2 rates. Quick flush to 100 ft above top perforation. Average surface treating pressure will be 2,156 psi. Perforation and casing friction is estimated to be 516 psi. Treat per the following schedule:

Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	5,500	1,650	65.8	---
1.0 ppg	8,100	2,430	96.9	8,100
2.0 ppg	12,825	3,848	153.2	25,650
3.0 ppg	12,150	3,645	145.1	36,450
4.0 ppg	16,200	4,860	193.3	64,800
Flush (100' above top perf)	5,038	2,056	51.0	0
Totals	**59,813**	**18,488**	**705**	**135,000**

Record ISIP, 5 minute, 10 minute and 15 minute SIP. RD stimulation company.

14. RU flow back line and choke manifold. Flow well back after 30 minutes to 1 hour. Open well to pit, starting with a 8/64" choke. If minimal sand is being produced, change to a larger choke size (10/64"). If choke plugs off, shut well in and remove obstruction from choke and return to flowback. Continue increasing choke size and cleaning well up until fluid returns are negligible.

15. When pressures allow, release packer and TOOH. LD 2-7/8" tubing and packer.

16. TIH with 7" RBP retrieving head on 2-3/8" tubing and clean out to RBP at 3300'. Alternate between natural flow and blow stages for clean up. **When water rates are 3 BPH, obtain a Pictured Cliffs pitot gauge.** When sand production allows, latch on to RBP. Release RBP and allow pressures to equalize. TOOH with RBP and LD.

17. TIH with an expendable check, one 2-3/8" joint, standard SN, approximately 85 joints of 2-3/8" EUE tubing, Baker R-3 production packer with 1.9 ID and remaining 2-3/8" EUE tubing. Broach tubing. Set packer at approximately 3300'. Land end of 2-3/8" tubing as close to 5905' as possible. PU and TIH with one joint of 1-1/2", 2.76#, IJ tubing bull

plugged with a perforated sub, aluminum pump off plug, and 1.375" seat nipple. TIH with remaining 1-1/2", 2.76#, IJ tubing. Broach tubing while RIH. Land 1-1/2" tubing at 3209'.

18. ND BOP. NU dual wellhead and manifold assembly. Ensure all connections on wellhead are tight. Pump off 2-3/8" expendable check. Flow well up 2-3/8" tubing. Pump off 1-1/2" aluminum pump off plug. Flow well up 1-1/2" tubing. Obtain stabilized pitot gauges at 15, 30, 45, and 60 min up the Pictured Cliffs tubing string. Record on DFW report. RDMO. Contact Production Operations for well tie-in.

19. RU Protechnics. Run After-Frac log across Pictured Cliffs (3100-3250') through the MV/DK 2-3/8" production string. RD Pro-Technics.

Recommended: J. L. Dobson
Production Engineer

Approved: _____
Drilling Superintendent

Approved: 5/19/99
Team Leader

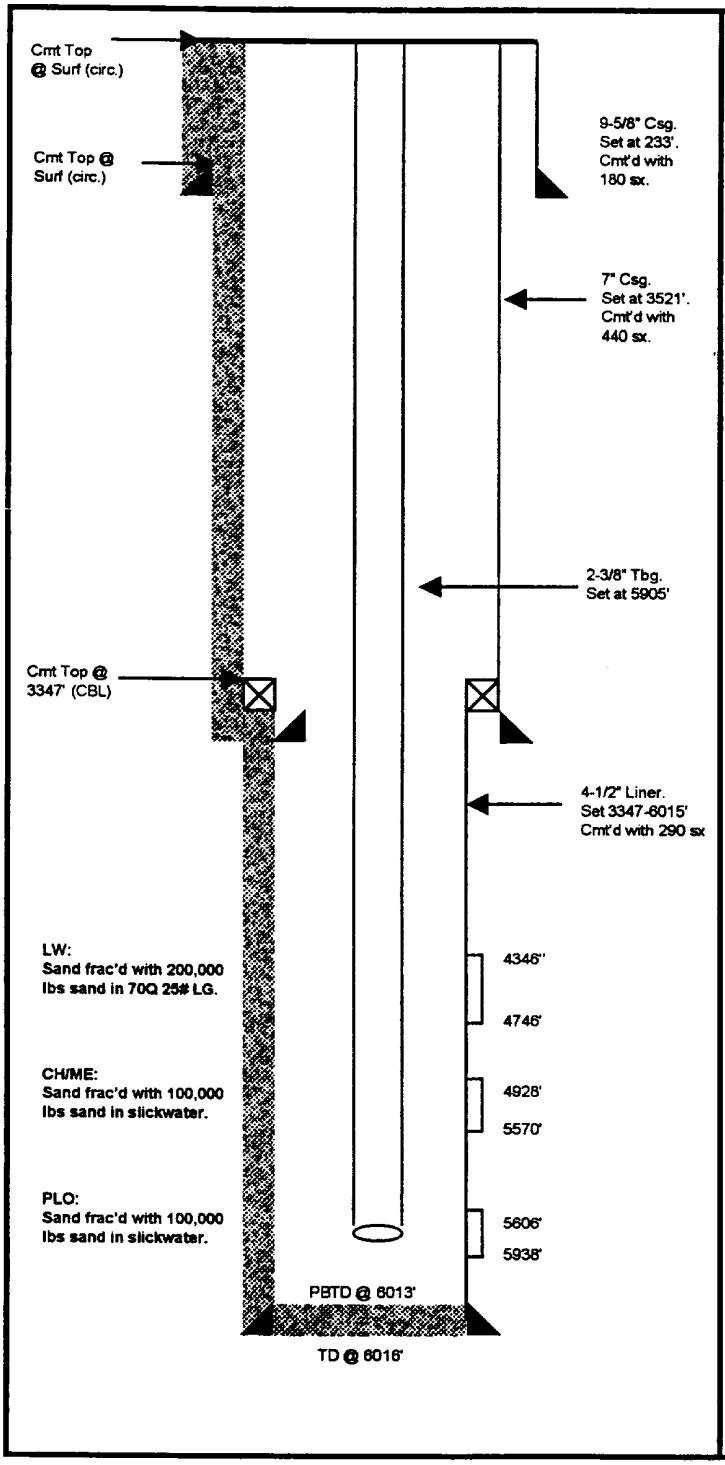
Contact:

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

Allison Unit Com #62

Unit G, Section 31, T32N, R6W
San Juan County, NM
Lat: 36° - 56.31408'/Long: 107° - 29.77938'

Current Schematic



Proposed Schematic