submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2000 DEC 12 PM 2:14
070 FARMINGTON, NM

1. **Type of Well**
GAS

5. **Lease Number**
NM-019413

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

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

8. **Well Name & Number**
Mitchell #1E

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

9. **API Well No.**
30-045-23645

4. **Location of Well, Footage, Sec., T, R, M**
1758'FNL, 1850'FWL, Sec.5, T-31-N, R-12-W, NMPM

10. **Field and Pool**
Basin Dakota

11. **County and State**
San Juan Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

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	
	_X_ Other - PA Dakota		

13. **Describe Proposed or Completed Operations**

It is intended to plug and abandon the Dakota formation and recomplete in the Fruitland Coal formation in the subject well according to the attached procedure and wellbore diagram.

14. **I hereby certify that the foregoing is true and correct.**

Signed Peggy Cole Title Regulatory Supervisor Date 12/11/00

TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 12/19/00

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD HOLD C104 FOR NSL in Basin Fruitland coal

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 Department

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

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-23645	71629/71599	Basin Fruitland Coal/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
	Mitchell	1E

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	Burlington Resources Oil & Gas Company	5966' GR

[10] Surface Location

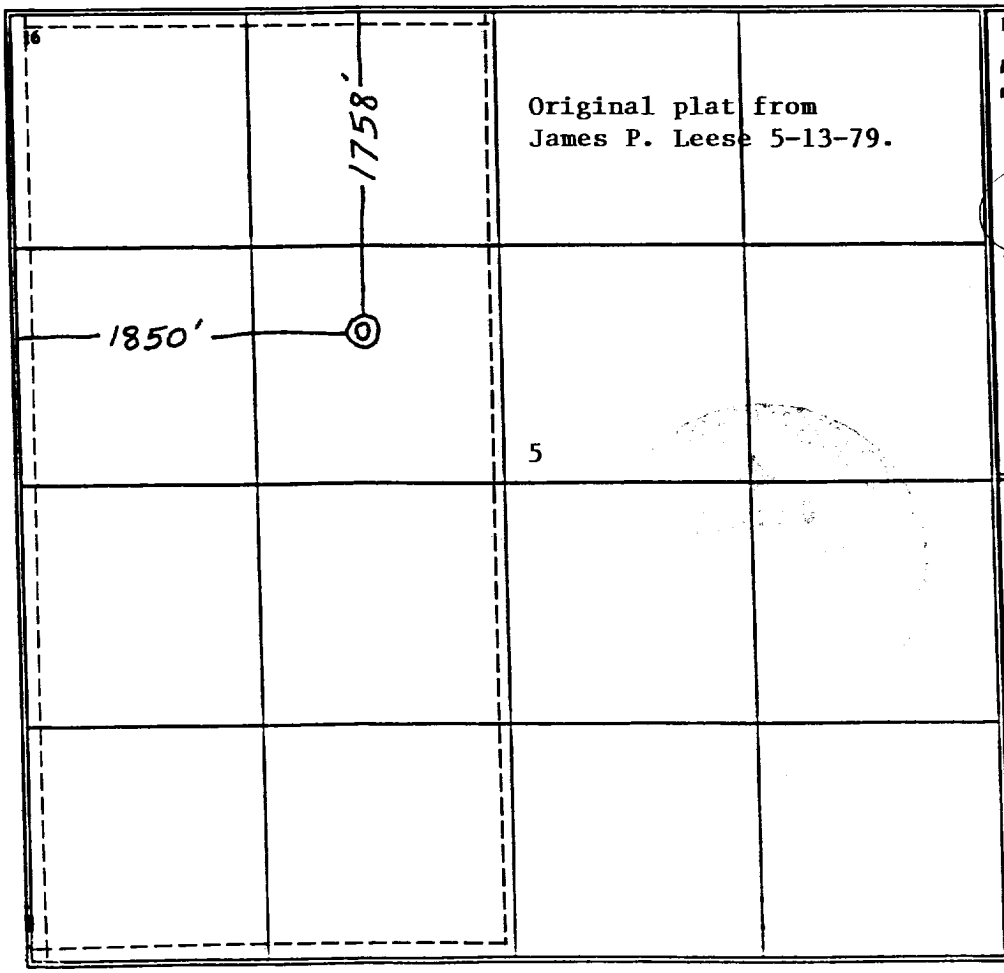
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	5	31N	12W		1758	North	1850	West	San Juan

[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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
W/318.36			

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



[17] OPERATOR CERTIFICATION

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

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

12-11-00
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.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

Mitchell #1E
Recompletion Procedure
Burlington Resources Oil & Gas
NE Sec 5, T31N – R12W
Lat:36° 55.81' Long:108° 07.25

PROJECT SUMMARY: Plug back existing Dakota perforations and recomplete in the Fruitland Coal. Stimulate with a single stage 20# (25# pad) Delta 140 Frac, and 250,000# sand.

- ◇ 4-1/2" 11.6# K-55 Burst Pressure: 5350 psi, 80% of Burst: 4280 psi.
- ◇ 4-1/2" casing in 7-7/8" hole annular volume: 0.2278 cuft/ft (0.0406 bbl/ft).
- ◇ Capacity of 2-3/8" tubing 0.02171 cuft/ft (0.00387 bbl/ft).

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1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. Take pressure reading on bradenhead, bleed off pressure if needed. NU BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief line.

2. TOOH w/ 214 jts 1-1/2" 2.9# EUE tubing.

3. RU wireline unit. Round trip 3-3/4" gauge ring to 6880'. POOH.

4. **Plug #1 (Dakota top @ 6880'.)** RIH with 4-1/2" CIBP on 2-3/8" tubing. Set CIBP @ 6880'. Load casing with water and pressure test to 500#. Spot an 75' balanced plug of Class B cement on top of CIBP (Cement from 6805' to 6880'). Pull up 5 stands and reverse circulate to clean out tubing.

   Slurry Volume: **1 bbl**
   Sks: **5 sks**
   Displacement: **26.3 bbl**

5. **Plug #2 (Gallup top @ 6050'.)** Pull up with open-ended tubing to 6100'. Spot an 150' balanced plug of Class B cement straddling the Gallup formation top @ 6050' (Cement from 5975' to 6125'). Pull up 150' and reverse circulate to clean out tubing. TOOH.

   Slurry Volume: **2 bbl**
   Sks: **10 sks**
   Displacement: **23.1 bbl**

6. **Plug #3 (Squeeze and isolate MV. MV top @ 3890'.)** RU wireline unit. Perforate at 3890' (1' at 2spf). Establish injection rate from surface. Set 4-1/2" cement retainer at 3870'. Pressure test retainer. Sting into retainer. Pump 100 sks Class B cement. (100sks * 1.18cuft/sk/.2278 cuft/ft = 518 linear feet.) Sting out of retainer and spot 5 sks on top of the retainer. Pull up and reverse circulate to clean out tubing.

   Slurry Volume: **22 bbl**
   Sks: **105 sks**
   Displacement: **14 bbl (leaves 5 sks for placement on retainer.)**

7. **PC Top.** Zonal Isolation obtained with Cement Retainer and FTC/PC squeeze in next step.

8. **Zonal Isolation for FTC (Top perf @ 2064' – 30' above planned stimulation top perf, bottom perf @ 2441' – 100' below planned stimulation bottom perf.)** RU wireline unit. Perforate @ 2064' and 2441' (2 spf). RIH with 4-1/2" cement retainer, set at 2391' (50' above bottom perforation). RIH with 2-3/8" tubing, sting into retainer. Establish circulation. (If circulation cannot be established, block squeeze to give zonal isolation. Have tension set packer on location for use if necessary.) Pump 109 sks Class B cement. (Annular vol: 85.9 cuft, pump 50% excess, yield 1.18 cuft/sk). Displace with 9.3 bbl water. (Tbg Capacity: .00387bbl/ft * 2391' = 9.3 bbl.) Sting out of retainer, pull up above top perf and reverse circulate to clean out tubing. TOOH.

Slurry Volume:	**23 bbl**
Sks:	**109 sks**
Displacement:	**9.3 bbl**

9. **WOC 12 hours.**

10. TIH w/ 3-3/4" bit, clean out to 2100' (below top perforation). Pressure test casing to 500 psi to insure top perforation is covered with cement. Drill out to retainer, leaving retainer as PBTD. Pressure test casing to insure no leaks above retainer @ 2391'.

11. Run CBL.

12. Load hole with 2% KCl.

13. Run in hole with wireline and perforate. Perforate 4 spf 2094' - 2106', 4 spf 2115' – 2117', 4 spf 2204' – 2207', 4 spf 2217' – 2219', 4 spf 2228' – 2239', 4 spf 2242'- 2246', 4 spf 2269' – 2283', 4 spf 2326' – 2341'. Jet Perforate 252 holes with 3-1/8 HSC–3125-306T, 12 g charge, 0.30" diameter holes, 17.48" penetration.

14. RU stimulation company. Test surface lines to 5000 psi. Max surface treating pressure will be 4000 psi. Keep bradenhead valve open throughout the stimulation and shutdown if returns are noticed. Bullhead 1000 gals of 10% HCL ahead of fracture treatment. Stimulate FRTC down casing string with 70 quality N2 foam using 20# X-link gel as the base fluid for the sand stages. Use 250,000# 20/40 Arizona sand. Pump at 50 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, and sand concentration with computer van. See attached treatment schedule.

15. Allow at least 1.5 hours for gel to break and then commence with flowback. Use a 24-hour flow back schedule. Take pitot gauges when possible.

10/64" Choke	Approximately 2 hrs.
12/64" Choke	Approximately 2 hrs.
14/64" Choke	Approximately 2 hrs.
16/64" Choke	Approximately 3 hrs.
18/64" Choke	Approximately 3 hrs.
20/64" Choke	Approximately 3 hrs.

Mitchell #1E/Recompletion
Burlington Resources Oil & Gas
11/28/2000

24/64" Choke	Approximately 3 hrs.
32/64" Choke	Approximately 3 hrs.

Follow this schedule to utilize a 24+ hour flowback. If well begins to slug or make large amounts of sand to surface, drop to next lower choke size. If well begins to taper off in liquid production (mostly N2), change to next larger choke size before time schedule dictates.

16. TIH w/ 3-7/8" mill. CO to PBTD. TOOH. Clean up until sand production is at a trace and stimulation fluids are cleaned up. Pump and rods will be run in this well.

17. TIH w/ production tubing. Run production tubing string as follows: Purge valve will be on bottom with 2-3/8" x 10' pup joint, 2-3/8" x 6' pup joint, 2-3/8" x 4' perfortated sub and 2-3/8" seating nipple and remaining tubing. Land tubing @ 2336' (five feet above bottom perf). Obtain final pitot up tubing. Hang tubing in donut.

18. ND BOP, NU single tubing hanger wellhead.

19. Run pump and rods. TIH with new top hold down rod pump (2"x1-1/4"x10'x14' RHAC-Z), 4' section cup type plunger, three 1-1/4" sinker bars, 83 ¾" grade D sucker rods, a set of ¾" pony rods to space out, one 1-1/4"x22'-3/4" pin polished rod and one 1-1/4"x1-1/2"x10' polished rod liner.

20. Seat the downhole pump, hang horses head, space pump.

21. Load tubing, pressure test.

22. Start pumping unit and test. (Adjust spacing if needed).

23. RD and MOL. Turn well to production.

Recommended: Leslie C. White 11/28/00
Production Engineer

Approved: Peggy Cole 11-28-00
~~Coal Team Manager~~ Regulatory

Approved: PJB 11/28/00
Drilling Manager

Vendors:	Stimulation	Halliburton/DS	325-3575/325-5096
	Wireline	Basin Perforating	327-5244

Production Engineer: **Leslie White 326-9717-work; 326-0321-home**