

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

1000' FSL, 1790' FEL, Sec. 31, T-32-N, R-11-W, NMPM

5. Lease Number

NMSF079960

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Lawson #2E

9. API Well No.
30-045-24022

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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Bradenhead repair

13. Describe Proposed or Completed Operations

It is intended to repair the bradenhead on the subject well according to the attached procedure and wellbore diagram.

CTP0223254305

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2002 OCT -2 PM 1:48
OPO FARMINGTON, NM

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

Signed *Deanna Call* Title Regulatory Supervisor Date 10/1/02
TLW

(This space for Federal or State Office use)

APPROVED BY */s/ Jim Lovato* Title _____ Date _____

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.

NMCCD

Lawson #2E
1000' FSL 1790' FEL
Unit O, Sec. 31, T32N, R11W
Latitude / Longitude: 36° 54.24' / -108° 1.584'
San Juan County, New Mexico
AIN: 4217301 Dakota
9/23/2002 Bradenhead Repair Procedure

Summary/Recommendation:

The Lawson #2E was originally drilled in 1980 and was completed as a Dakota producer. A bradenhead test performed 07/19/2002 showed flow from the bradenhead. The Aztec NMOC office has demanded remedial action be completed by 10/20/2002. The Operations Engineer recommends a CIBP be set over the Dakota formation, the cause of bradenhead pressure be identified, corrected and place the well back on production.

1. Comply with all BLM, and BROG regulations. Conduct daily safety meetings for all personnel on location. **Notify BROG Regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. 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 as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCl water if necessary. NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. The original 2-3/8", 4.7#, J-55 tubing is set at 7623'. Release donut and TOOH with tubing. Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale and notify Operations Engineer.
4. TIH with 4-1/2" CIBP and set at approximately 7476' (top perf is at 7526'). TOOH. Load hole with 2% KCl water. Run GR-CBL to 200' above TOC on 7" casing (calculated TOC at 75% efficiency is at 1714'). Send log into office for evaluation. Pressure test casing to 500 psi. Bleed off pressure. If pressure test fails, TIH with 7" packer to isolate leak. Contact superintendent and operations engineer for squeeze design.
5. Follow squeeze procedure as recommended from Step 4. TIH with 7" full bore packer and set 150' above holes. Pressure up tubing/casing annulus to 500 psi. Establish rate into holes with bradenhead valve open (max pressure 1000 psig). Mix and pump cement. Displace cement to packer. Close bradenhead valve and squeeze cement into holes. Maintain squeeze pressure and WOC 12 hours (overnight).
6. TOOH and LD packer. TIH with 6-1/4" bit and drill out cement. Cleanout to liner top at 3074'. TOOH. Pressure test casing to 500 psig. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure, or to stop bradenhead flow.
7. TIH with 3-7/8" bit and mill on 2-3/8" tubing to CIBP. Mill out CIBP with air/mist and chase plug to bottom. Clean out to PBSD (7641') with air/mist. TOOH with tubing and lay down bit and mill. **NOTE: When using air/mist, minimum mist rate is 12 bph. Try to maintain air rate at 1,400 cfm.**
8. TIH with an expendable check on bottom, seating nipple, one joint 2 3/8", one 2' x 2-3/8" pup, then 1/2 of the remaining tubing. Run a broach on sandline to ensure the tubing is clear. TIH w/ remaining tubing and then broach this tubing. Replace bad joints as necessary. Alternate blow and flow periods to check water and sand production rates.
9. Land tubing at approximately 7623'. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure that expendable check has pumped off. If well will not flow on its own, make swab run to SN. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.** RD and MOL. Return well to production.

Recommended: Jay Paul McWilliams 9/24/02 Operations Engineer
Approved: Bruce W. Bony 10-1-02 Drilling Manager

Jay Paul McWilliams: Office: 324-6146
Cell: 320-2586

Sundry Required: **YES** **NO**

Approved: Jay Paul McWilliams 10-1-02 Regulatory

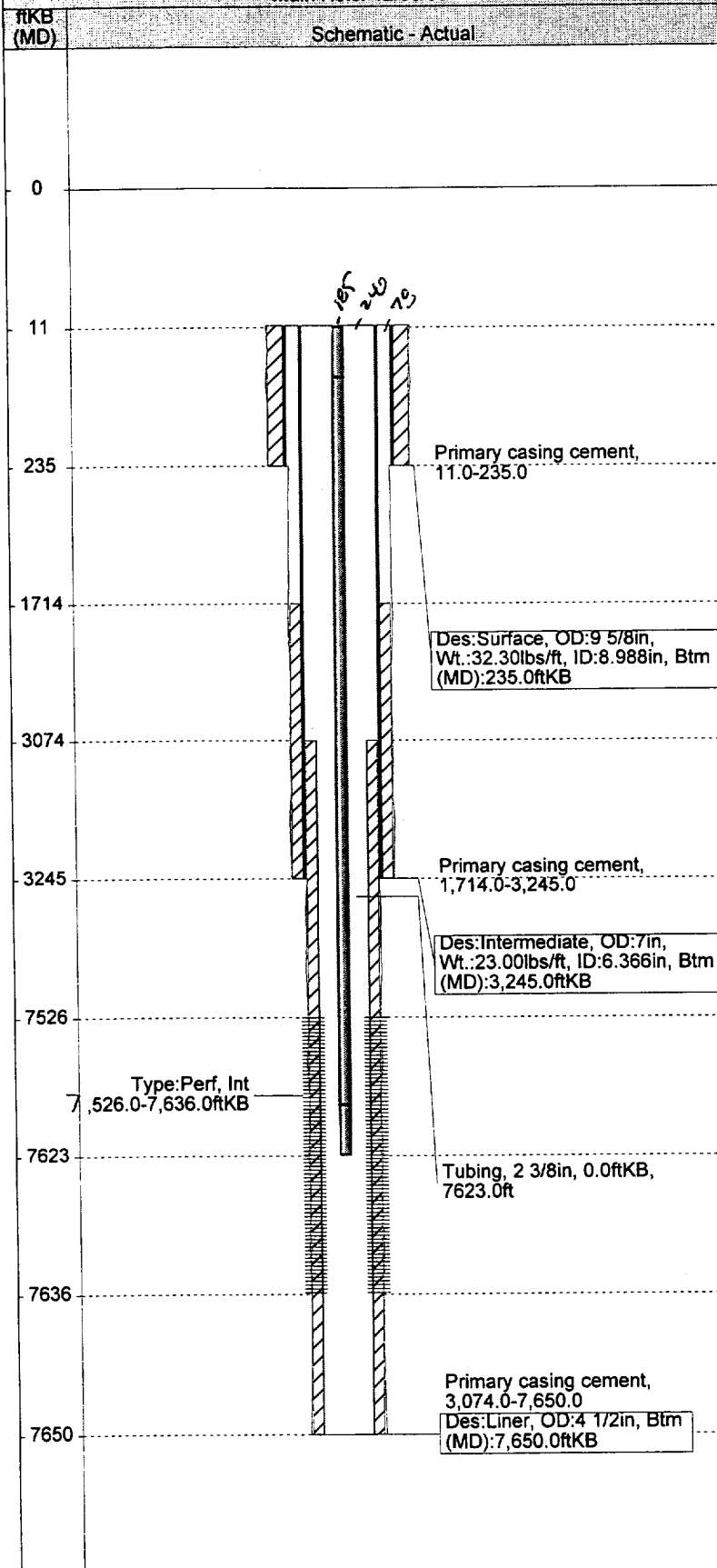
Production Foreman	Ken Raybon	320-0104 (Cell)	320-2559 (Pager)
Specialist	Mick Ferrari	320-2508 (Cell)	326-8865 (Pager)
Lease Operator	Toby Young	230-2738 (Cell)	324-7617 (Pager)

WellView - Schematic

Asset ID Number 4217300	API Number 3004524022	Operator BURLINGTON RESOURCES O&G CO LP	County SAN JUAN	State NM
KB Elev (ft) 0.00	Ground Elev (ft) 6420.00	Plug Back 7,641.0	Total Depth (ft) 7,641.0	RigKB-Ground Distance (ft) -6420.00
Spud Date 9/11/80	Location Sect: 031, Twp: 032N, Rg: 011W, Poly: O, NMPM	NS Dist (ft) 1790.0	NS Flag FEL	EW Dist (ft) 1000.0
		EW Flag FSL	Lat/Long Datum	Latitude (DMS) 36° 56' 14.532" N

Schematic

Main Hole: 12/30/99



Group List

Formations: PITS

Name	Top (ftKB)
Ojo Alamo	1,605.0
Fruitland Coal	2,570.0
Pictured Cliffs	3,116.0
Cliff House	4,562.0
Point Lookout	5,305.0
Gallup	6,737.0
Graneros	7,480.0
Dakota	7,606.0

Wellbore: Main Hole

SZ (in)	Top (ftKB)	Btm (ftKB)
12 1/4	11.0	235.0
8 3/4	235.0	3,245.0
6 1/4	3,245.0	7,650.0

Casing Strings: Surface, 235.0

Item Desc	OD (in)	Wt (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Casing	9 5/8	32.30	8.988	11.0	224.00

Casing Strings: Intermediate, 3,245.0

Item Desc	OD (in)	Wt (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Casing	7	23.00	6.366	11.0	3234.00

Casing Strings: Liner, 7,650.0

Item Desc	OD (in)	Wt (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
Liner	4 1/2			3,074.0	4576.00

Liner, casing, <na>

Des	Comment	Top (ftKB)
Primary casing cement	75%	3,074.0

Surface, casing, <na>

Des	Comment	Top (ftKB)
Primary casing cement		11.0

Intermediate, casing, <na>

Des	Comment	Top (ftKB)
Primary casing cement	75%	1,714.0

Tubing Strings: Tubing set at 7,623.0 on <na>

Item Desc	OD (in)	Wt (lbs/ft)	Grade	Len (ft)	Cum Len (ft)
KB	2 3/8			11.00	11.00
Tubing	2 3/8	4.70	J-55	7612.00	7623.00

Perforations: At 7,526.0-7,636.0 on <na>

Zone	Top (ftKB)	Bottom (ftKB)	Comment
DK	7,526.0	7,636.0	7526', 40', 52', 7612', 18', 24', 30', 36'

Date and Time

Comment
W/O: None