

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

5. Lease Number
NMSF080724A

6. If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number

Pierce A #2E

9. API Well No.

30-045-24410

4. Location of Well, Footage, Sec., T, R, M

1830' FNL, 860' FWL, Sec.34, T-29-N, R-10-W, NMPM

10. Field and Pool

Armenta Gallup/
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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Bradenhead repair

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

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.

CTP0224630971

2002 OCT -3 PM 1:31
CFO BUREAU OF LAND MGMT

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

Signed [Signature] Title Regulatory Supervisor Date 10/2/02

(This space for Federal or State Office use) TLW

APPROVED BY [Signature] Title Date 001-7

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

Pierce A #2E
1830' FNL & 860' FWL / Unit E, Sec. 34, T29N, R10W
Latitude / Longitude: 36° 41.12' / 107° 52.66'
San Juan County, New Mexico
AIN: 3218301 DK / 3218302 GL
9/18/2002 Bradenhead Repair Procedure

Summary/Recommendation:

The Pierce A #2E was drilled and completed as a Dakota / Gallup dual producer in 1981. In 02/1990, the well was commingled. A bradenhead test performed 08/22/2002 showed flow from the bradenhead. The Aztec NMOCD office has demanded remedial action be completed by 10/15/2002. The Operations Engineer recommends a CIBP be set over the Gallup formation, the cause of bradenhead pressure be identified, corrected and place 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. ND WH and 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 2-1/16", 3.25#, J-55 tubing is set at 6372'. **NOTE: Top of FISH @ 6487'.** PU additional 2-1/16" tubing and RIH to 6475' (record depth). TOOH with 2-1/16", 3.25#, J-55 tubing.
4. PU and TIH with RBP and 2-3/8" tubing. Set RBP at 5362' (top perf at 5412'). TOOH. Fill casing with 2% KCl water. Run GR-CBL to 200' above TOC (estimated TOC @ 900' from 1981 temperature survey). Send log into office for evaluation. Pressure test to 500 psi. Bleed off pressure. If pressure test fails, TIH with 5-1/2" packer to isolate leak. Contact Drilling Manager and Operations Engineer for squeeze design.
5. Follow squeeze procedure as recommended from Step 4. TIH with 5-1/2" fullbore packer and set 150' above perforations. Pressure up casing/tubing annulus to 500 psig. Establish rate into perforations 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 4-3/4" bit and drill out cement. 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 RBP retrieving tool. Circulate sand off RBP. Release RBP and allow pressures to equalize. TOOH and LD RBP.
8. TIH w/ 2-1/16", 3.25#, J-55 production string with an expendable check on bottom, seating nipple, then 1/2 of the 2-1/16" tubing. Run a broach on sandline to insure the tubing is clear. TIH with remaining 2-1/16" tubing and then broach this tubing. Land tubing at approximately 6380'.
9. ND BOP and NU WH. Pump off expendable check. Obtain final pitot gauge up the tubing. Connect to casing and circulate air to assure that the expendable check has pumped off. **If well will not flow on its own, make swab run to seating nipple.** 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 10/1/02 Operations Engineer
Approved: Bruce W. Boyer 10-2-02 Drilling Superintendent

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

Sundry Required: YES NO
Approved: Peggy Cole 10-2-02 Regulatory

Production Foreman Steve Florez
Specialist Terry Nelson
Lease Operator Matt Montoya

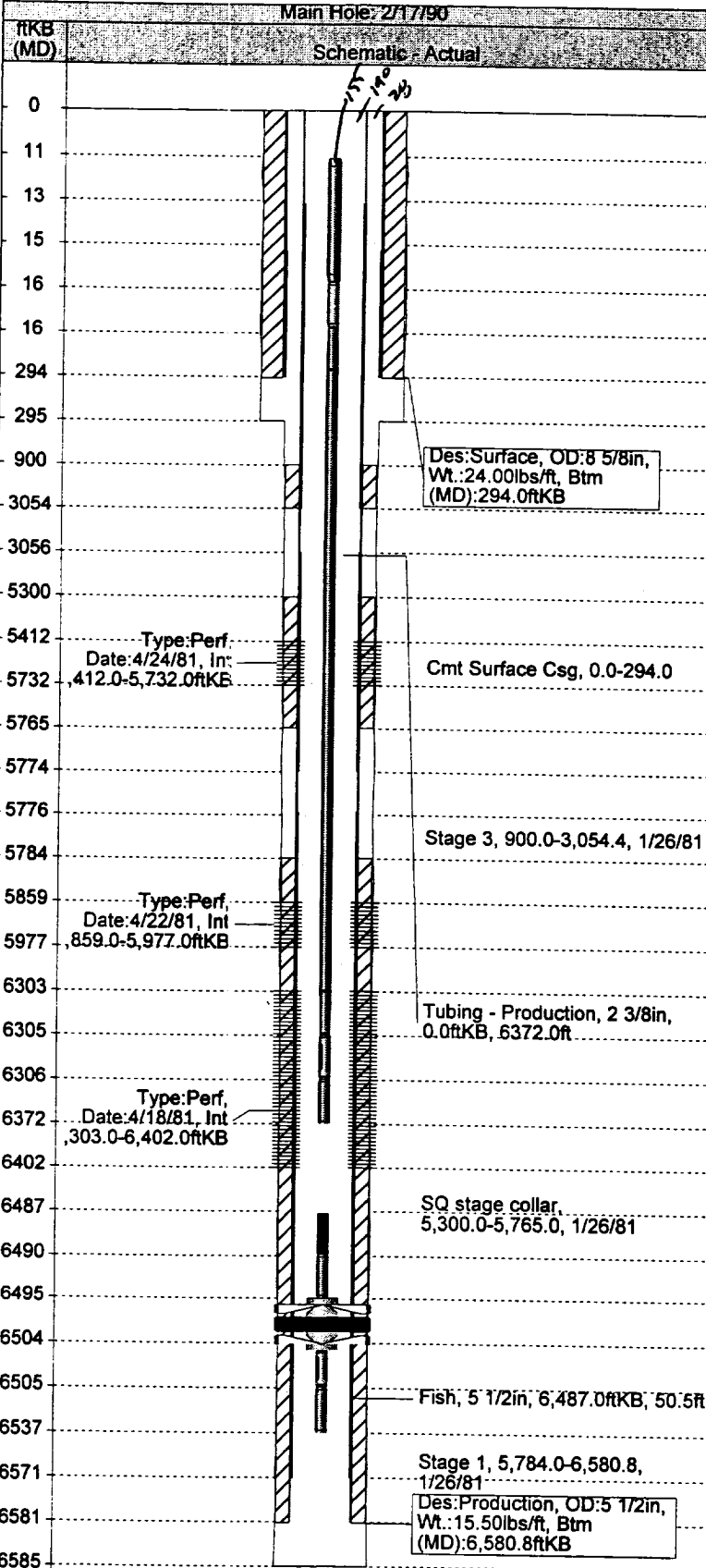
320-0029 (Cell) 326-8199 (Pager)
320-2503 (Cell) 326-8473 (Pager)
320-1465 (Cell) 327-8256 (Pager)

PIERCE A 2E

WellView - Schematic

Asset ID Number	3218300	API Number	3004524410	Operator	BURLINGTON RESOURCES O&G CO LP	County	SAN JUAN	State	NM
KB Elev (ft)	0.00	Ground Elev (ft)	0.00	Plug Back	Total Depth (ftKB)			RigKB-Ground Distance (ft)	0.00
Spud Date	1/10/81	Location	Sect: 034, Twp: 029N, Rg: 010W, Poly: E, NMPM	NS Dist (ft)	860.0	NS Flag	FWL	EW Dist (ft)	1830.0
				EW Flag	FNL			Lat/Long Datum	Latitude (DMS)
									36° 41' 7.298" N

Schematic



Group List

Wellbore: Main Hole					
SZ (in)	Top (ftKB)		Btm (ftKB)		
12 1/4	0.0		295.0		
7 7/8	295.0		6,585.0		
Casing Strings: Surface, 294.0					
Item Desc	OD (in)	Wt (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
KB	8 5/8			0.0	13.5
Head Casing 10" 600RJ x 8-5/8" 8R	8 5/8			13.5	1.4
Casing Joints	8 5/8	24.00	8.017	14.9	279.0
Casing Strings: Production, 6,580.8					
Item Desc	OD (in)	Wt (lbs/ft)	ID (in)	Top (ftKB)	Len (ft)
KB	5 1/2			0.0	13.5
Casing Joints	5 1/2	15.50	4.950	13.5	3040.9
Stage Collar	5 1/2			3,054.4	1.6
Casing Joints	5 1/2	15.50	4.950	3,056.1	2718.0
Stage Collar	5 1/2			5,774.2	1.6
Casing Joints	5 1/2	15.50	4.950	5,775.8	795.5
Float Collar	5 1/2			6,571.3	9.5
Production, casing, 1/26/81 00:00					
Cement Stage					
Des	Comment				Top (ftKB)
Stage 1	58 sx Dowell 12-1 Regulated fill-up amt. Could not open DV tool @ 5774'. Did not cmt. open DV tool @ 3054. 400 sx 65-35-12 w/12.5# gilsonite. Tail in 200 sx 50-50 Pozmix w/2% gel 7 0.6% FHA. No cmt to surf. TOC by TS @ 900'				5,784.0
Stage 2					
Stage 3					900.0
SQ stage collar	Shot 2 SQ holes @ 5300'. Set C.R. @ 5765'. Washed drilling mud from behind csg from 5300'-5765'. Cmt w/130 sx 50-50 Poz mix w/2% gel. Cmt w/75 sx class B with 2% CaCl2. Set pir @ 5165' Cmt SQ holes @ 5300' w/75 sx class B w/2% CaCl2. Csg tested to 3000psi. Held OK.				5,300.0
Surface, casing, <na>					
Cement Stage					
Des	Comment				Top (ftKB)
Cmt Surface Csg	Cmt w/250 sx Class B w/3% CaCl2. Did not circ. Pumped 25 sx down annulus & brought cmt to surf.				0.0
Tubing Strings: Tubing - Production set at 6,372.0 on 2/17/90 00:00					
Comment					
194 lbs of 2-3/8" tbg set @ 6372'. SN @ 6305'					
Tubing Components					
Item Desc	OD (in)	Wt (lbs/ft)	Grade	Len (ft)	Cum Len (ft)
KB	2 3/8			11.55	11.5
sub 2-3/8", 4.7# EUE	2 3/8			4.04	15.5
X-over 2-1/16", IJ x 2-3/8" EUE	2 1/16			0.71	16.3
Tubing	2 1/16	3.25	J-55	6289.1	6305.4
Seat Nipple	2 1/16			0.68	6306.1
Tubing	2 1/16	3.25	J-55	65.91	6372.0
Tubing Strings: Fish set at 6,537.5 on 2/17/90 00:00					
Comment					
Tubing Components					
Item Desc	OD (in)	Wt (lbs/ft)	Grade	Len (ft)	Cum Len (ft)
Sliding Sleeve	2 1/16			2.40	2.4
6" sub	2 1/16			6.00	8.4
Packer	5 1/2			8.70	17.1
F Nipple	2 1/16			0.80	17.9
Tubing	2 1/16	3.25	J-55	32.62	50.5
Perforations: At 5,412.0-5,732.0 on 4/24/81 00:00					
Zone	Top (ftKB)	Bottom (ftKB)	Comment		
GALLUP	5,412.0	5,732.0	5412, 19, 36, 44, 60, 80, 85, 550'; 09, 32, 52, 5601, 31, 40, 57, 69, 188, 90, 5712, 14, 28, 30, 32 (24 holes; 1 spf)		
Perforations: At 5,859.0-5,977.0 on 4/22/81 00:00					
Zone	Top (ftKB)	Bottom (ftKB)	Comment		
GALLUP	5,859.0	5,977.0	5859, 64, 76, 90, 95, 5914, 18, 24, 28, 34, 47, 60, 70, 74, 77 (16 holes; 1 spf)		
Perforations: At 6,303.0-6,402.0 on 4/18/81 00:00					
Zone	Top (ftKB)	Bottom (ftKB)	Comment		
DAKOTA	6,303.0	6,402.0	6303, 05, 06, 59, 61, 63, 65, 67, 71, 73, 74, 75, 76, 77, 78, 83, 85, 86, 87, 89, 91, 93, 95, 96, 97, 98, 6400, 01, 02 (32 holes; 1 spf)		