

13/ 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

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

1050' FNL, 1840' FEL, Sec. 22, T-28-N, R-5-W, NMPM

B

Lease Number

SF-079519A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 28-5 Unit

8. Well Name & Number

San Juan 28-5 U #87

9. API Well No.

30-039-20471

10. Field and Pool

Basin Dakota

11. County and State

Rio Arriba 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 -

☐ 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 casing in the subject well according to the attached procedure and wellbore diagram.

RECEIVED
NOV 13 1996

OIL COR. DIST.
DIST. 3

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

Signed [Signature] (ROS8) Title Regulatory Administrator Date 11/11/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

NOV 13 1996

DISTRICT MANAGER

NMOC

San Juan 28-5 Unit #87
Basin Dakota
NE Section 22, T-28-N, R-5-W
Recommended Casing Repair Procedure

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. **Notify BROG Regulatory (Peggy Bradfield 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 approval in DIMS/WIMS. As much time as possible to the pump time is needed for the Agency to be able to show up for the cement job.**
2. MOL and RU workover rig. Blow well down. NU 7-1/16" 3000 psi (6" 900 series) BOP with stripping head. Test and record operation of BOP rams. Kill well with 1% KCL water only if necessary. Have wellhead inspected, if necessary. Install secondary seal at end of job.
3. Release donut and 4-1/2" Mountain States Arrowset I-X packer. PU 1-1/2", 2.9#, J-55, EUE tubing (total of 245 jts, tubing landed @ 7920', pkr set @ 7682'). To release packer, set down on packer with 3000-4000# and apply right hand torque. Pull up with 8000-10000#, packer will equalize and slips will release. TOOH. Visually inspect tbq for corrosion, replace bad joints as necessary.
4. Set a 4-1/2" drillable bridge plug at 7800' via wireline. Run a CBL in 4-1/2" csg to find top of cement in 4-1/2" x 7" annulus. Estimated TOC from a temperature survey is 3570'. TIH with 4-1/2" packer on 2-3/8" workstring and pressure test bridge plug to 750 psig. Isolate 4-1/2" casing leak with packer.
 - a) If csg leak is below 4-1/2" x 7" annulus TOC, contact Operations Engineer (Rob Stanfield 326-9715, Pager 324-2674) for cement squeeze procedure. Squeeze cement prior to backing off 4-1/2" csg as noted below.
 - b) If top of cement in 4-1/2" x 7" annulus is above 7" csg shoe and csg leak is above TOC, run freepoint and back off 4-1/2" casing at a connection above freepoint. Attempt to leave casing collar on 4-1/2" csg in hole. TOOH and lay down 4-1/2" csg. ND BOP and tbq head. Remove intermediate csg spool. If necessary, weld on extension to 7" csg and install secondary seal. NU tbq head and BOP.
5. TIH with 7" casing scraper and roundtrip to top of 4-1/2" csg stub. TIH with 7" packer and isolate casing leak. (Pressure test performed 10-29-96 indicates leak in 7" csg; 2 BPM @ 400#). Contact Operations Engineer (Rob Stanfield 326-9715, Pager 324-2674) for cement squeeze procedure.
6. WOC 12 hrs. Clean out to below squeeze with 6-1/4" mill or bit. Pressure test to 750 psig. Re-squeeze as necessary. TIH with 7" casing scraper to below squeeze. TOOH.
7.
 - a) If casing collar was left on top of 4-1/2" csg stub, TIH with 3-7/8" mill or bit blowing down with air and drill bridge plug at 7800'. CO to PBTD (cement retainer) at 7950'.
 - b) If pin is on top of 4-1/2" casing stub, run 5-1/2" casing swage and "bell" top of stub. TOOH. TIH with 3-7/8" mill or bit blowing down with air and drill bridge plug at 7800'. CO to PBTD (cement retainer) at 7950'.
8. TIH with 1-1/2" tubing with a notched expendable check valve or pump out plug and a seating nipple one joint off bottom. CO to PBTD at 7950'. Land tubing near bottom perforation at 7936'. ND BOP and NU wellhead. Pump off/out expendable check valve or pump out plug and record final gauges. Return well to production.

Recommended: 
Operations Engineer

Approved: M. S. K. 11-8-96
Drilling Superintendent

San Juan 28-5 Unit #87

CURRENT

Basin Dakota

1050' FNL, 1840' FEL,
NE Section 22, T-28-N, R-05-W, Rio Arriba County, NM
Latitude/Longitude: 36.651031 / 107.343109

Today's Date: 10-30-96
Spud: 4-3-72
Completed: 7-10-72
Elevation: 6674' (GL)
6685' (KB)
Logs: IEL, CDL-GR,
Temp. Survey, MSG

Nacimiento @ 680'

Ojo Alamo @ 3002'
Kirtland @ 3070'

Fruitland @ 3353'

Pictured Cliffs @ 3610'

Cliff House @ 5410'

Point Lookout @ 5751'

Gallup @ 6774'

Greenhorn @ 7731'
Graneros @ 7782'

Dakota @ 7902'

13-3/4" hole

8-3/4" hole

6-1/4" hole

9-5/8", 32.3#, H-40, Csg set @ 203',
Cmt w/224 cf (190 sx) (Circulated to Surface)

Workovers

Aug. 1996, Tbg Repair: Set RBP @ 7750',
PT Csg to 650#, failed. Set pkr, test RBP
to 1000 psi, failed. Reset pkr 5700'. PT
csg, failed. Acidized Perfs. TIH w/1-1/2"
tbg landed @ 7920', pkr @ 7682'.

Jan. 1973, Shut off Water: Pulled 1-1/2"
tbg. Set Howco EZ drill Cmt Ret @ 7950'.
RIH w/1-1/2" tbg @ 7921'.

TOC @ 2660' (TS)

245 jts, 1-1/2", 2.9#, J-55, 10rd, tbg set @ 7920',
(Pkr @ 7682')

TOC @ 3570' (TS)

7", 20.0#, K-55, 8rd, Csg set @ 3907',
Cmt w/245 cf (120 sx)

Mountain States 4-1/2" Arrowset I-X Pkr @ 7682'

Dakota Perforations:
7844' - 7936', 54 holes above Cmt Ret
8004' - 8032', 36 holes below Cmt Ret
Howco 4-1/2" EZ Drill Cmt Ret @ 7950'
FC @ 8042'
4-1/2", 10.5 & 11.6#, N-80 & K-55, Csg set @ 8055',
Cmt w/685 cf (370 sx)

DETD 8042'

TD 8055'

<u>Initial Potential</u>		<u>Production History</u>	<u>Gas</u>	<u>Oil</u>	<u>Ownership</u>	<u>Pipeline</u>
Initial AOF:	2,734 Mcfd (7/72)	Cumulative:	1275.8 MMcf	2.2 Mbo	GWI:	69.61%
Current SICP:	1123 psig (5/90)	Current:	94.3 Mcfd	0.3 bbls/d	NRI:	58.90%
					TRUST:	00.00%