

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SL

Sundry Notices and Reports on Wells

95 NOV 12 PM 2:26

1. Type of Well
GAS

070 FARMINGTON, NM

5. Lease Number
SF-078198
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name

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

825' FNL, 825' FEL, Sec. 25, T-30-N, R-11-W, NMPM

3. Well Name & Number
Nye SRC #15
9. API Well No.
30-045-20985
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

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - Pay add	

13. Describe Proposed or Completed Operations

It is intended to add pay to the Dakota formation of the subject well according to the attached procedure and wellbore diagram.

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OIL CON. DIV.
DIST. 3

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

Signed Deann Bradfield (PMP2) Title Regulatory Administrator Date 11/8/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

NOV 13 1996
/S/ Duane W. Spencer
DISTRICT MANAGER

NMOCB

NYE 'SRC' #15
Section 25A T30N R11W
Payadd/Restimulation Procedure
Lat: 36.787750 Long: 107.936142

1. Test rig anchors and repair if necessary. Install 2-400 bbl frac tanks on location and fill with 2% KCl water. Filter all non-city water to 25 microns.
2. MOL and RU. Comply to all NMOCD, BLM and MOI rules and regulations. Hold safety meeting. Record all wellhead pressures. **Pitot test well**. Kill well with 2% KCl water, if necessary. ND wellhead. NU BOP. Test operation of rams. NU relief lines.
3. TOOH laying down 7079' of 1-1/2" tubing (215 jts). Tally and visually inspect. Report any scale build-up on pipe. Change out equipment to run 2-3/8" tubing.
4. TIH with 2-3/8" J-55 tubing and 3-7/8" bit. Drill-out to new PBTD at 7240' with air and mist. **** Pitot test well for 1 hour**. Circulate hole with 2% KCl water. PUH to 7210'. RU stimulation company. Spot 200 gal 15% HCl across perforated interval. ******* RD stimulation company. TOOH.

****Do not drill out casing shoe at 7250'. The shoe is set in a high porosity wet sand. Note quality of cement while drilling out (drills hard, spotty, etc...).**

*****Acid should contain 5 gal/Mgal FE-1A (iron agent), 25#/Mgal FE-2 (iron agent), and 3 gal/Mgal HAI-81 (inhibitor)**

5. RU wireline company with packoff. PU and RIH with TDT log. Log from 7240' - 6950' and from 5250' - 4100'. POOH and LD TDT tool. PU and RIH with CET tool. Log from 7240' - 6950'. POOH with CET tool.
6. PU and RIH with Conventional 3-1/8" HEGS gun loaded 1 spf with DP34B 16 gram charges (Entrance hole=0.39, Penetration=10 in.). Perforate the Lower Dakota from **7196' - 7206' (10 holes)**. ****** POOH and RD wireline company.

****Do not perforate until engineer has evaluated TDT log.**

7. TIH with 4-1/2" fullbore packer, 6 jts 2-3/8" tubing, 2-3/8" x 2-7/8" crossover, and 2-7/8" buttress fracstring to surface. Set packer at 7100'. RU stimulation company. **Pressure test surface lines to 7000 psi**. Pump 1000 gals. of 15% HCl at 12-14 BPM. **** Drop a total of 45 1.3 SG RCN ball sealers evenly spaced throughout the job. Maximum pressure is 6000 psi. Anticipated surface treating pressure is 4100 psi at 14 BPM.** RD stimulation company. Unseat packer and TIH to knock balls off perfs. After perfs have been cleared, PUH and reset packer at 7100'. RU lubricator and swabbing equipment. Swab well to 2-7/8" crossover to recover load fluid. Continue swabbing until load is recovered and/or well kicks-off. Pitot test well for 1 hour. RD swab equipment and lubricator. Contact

Production Engineering on results of test. Engineer will decide whether to fracture stimulate the lower Dakota interval to enhance production or proceed on to step #12.

****Acid should contain 5 gal/Mgal FE-1A (iron agent), 25#/Mgal FE-2 (iron agent), 3 gal/Mgal HAI-81 (inhibitor), and 2 gal/Mgal SGA-HT**

8. RU stimulation company. Hold safety meeting with all personnel. Pressure test surface lines to 9000 psi. **MAXIMUM PRESSURE IS 8000 PSI** (pipe friction in frac string = 3500 psi @ 12 BPM). **Anticipated surface treating pressure is 6900 psi at 12 BPM.**** Tag sand with 0.40 mCi/Mlbs Iridium-192. Monitor backside pressure during frac. Monitor bottomhole and surface treating pressure, rate, foam quality, and sand concentration with computer van. Frac during daylight only.

****NOTE:** Anticipated surface treating pressure is 6100 psi and 7500 psi at 9 BPM and 15 BPM, respectively.

9. Fracture stimulate the lower Dakota interval using the following schedule:

<u>Stage</u>	<u>Fluid Type</u>	<u>Downhole Foam Vol. (Gals.)</u>	<u>Clean Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad**	30# LG	10,000	3,000	
0.5 ppg	30# LG	5,000	1,500	2,500
1.0 ppg	30# LG	8,500	2,550	8,500
1.5 ppg	30# LG	8,000	2,400	12,000
2.0 ppg	30# LG	3,000	900	6,000
3.0 ppg	30# LG	2,000	600	6,000
Flush	30# LG	1,730	519	
Totals		38,230	11,469	35,000

****Frac fluid should contain 0.18#/Mgal BE-6 (biocide), 30#/Mgal WG-19 (gelling agent), 0.25gal/Mgal BA-20 (pH buffer), 4gal/Mgal AQF-2 (foamer), 2gal/Mgal SSO-21M (surfactant), and 0.2#/Mgal SP (breaker).**

10. Shut-in well immediately after stimulation for 3 hours to allow gel to break. Record ISIP, 5, 10, and 15 minute shut-in pressures.
11. After gel breaks, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less, if sand is observed.
12. When well ceases to flow, unseat packer, TOO, and LD 2-7/8" fracstring. Change-out equipment to run 2-3/8" tubing.

13. TIH with 2-3/8" tubing and notched collar and clean-out to 7240' until sand returns are minimal. **Take Pitot gauge.** When water returns are less than 2 BPH, TOO and LD 2-3/8" tubing. Change-out equipment to run 1-1/2" tubing.
14. RU wireline company with lubricator and run After - Frac log from 7240' to top of tracer activity. POOH and RD wireline company.
15. TIH with 7200' of 1-1/2" tubing with standard seating nipple one joint off bottom and pump-off plug on bottom. Land tubing string at 7200'.
16. ND BOP and NU wellhead. Pump off plug. **Take final Pitot gauge and water sample.**
Rig down and release rig.

Arden Wilkins Jr. 8/27/96

Approve:

Roderic Coyne 8/27/96

VENDORS:

Wireline:	Schlumberger	325-5006
Fracturing:	Halliburton	325-
R.A. tagging	Protechnics	326-7133
Production Engineer	Office	599-4041
	Home	325-6579

KKK

Pertinent Data Sheet - Nye SRC #15

Location: 825' FNL & 825' FEL, Unit A, Section 25, T30N, R11W, San Juan County, New Mexico

Field: Basin Dakota **Elevation:** 6128 GL
6142 KB **TD:** 7250'
PBTD: 7217' (FC)

Completed: 7/23/72 **Spud Date:** 6/30/72 **DP #:** 53592

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	24.0# J-55	305'	210 sx (surf)
7-7/8"	4-1/2"	10.5# J-55 ST&C	7250'	965 sx. (3 stages)

Cement:

Surface: Set 292' of 8-5/8" casing at 305'. Cemented with 210 sacks Class A cement. Circulated to surface

1st Stage: Cemented with 210 sacks filler cement and 75 sacks neat cement. Top of CMT @ 5540' CBL

2nd Stage: Cemented with 270 sacks filler cement and 50 sacks Class A cement. Stage collar set @ 5145'. Top of CMT @ 3315' calc. (75%)

3rd Stage: Cemented with 300 sacks filler cement and 50 sacks Class A cement. Stage collar set @ 2721'. Top of CMT @ 710' calc. (75%)

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1-1/2"	2.9# JCW55	7079'

Formation Tops:

Ojo Alamo	1218'	Menefee	4390'
Kirtland	1350'	Point Lookout	4882'
Fruitland	2192'	Gallup	6120'
Pictured Cliffs	2562'	Greenhorn	6858'
Chacra	3370'	Dakota	7047'
Cliffhouse	4130'		

Logging Record: IES, FDC-GR, CBL

Stimulation: Perf'd Dakota: 2 shots/foot -7050'-7084', 7174'-7184'. Frac'd w/ 50,000# 20/40, 30,000# 10/20 and 79,910 gal slickwater. Dropped 35 balls.

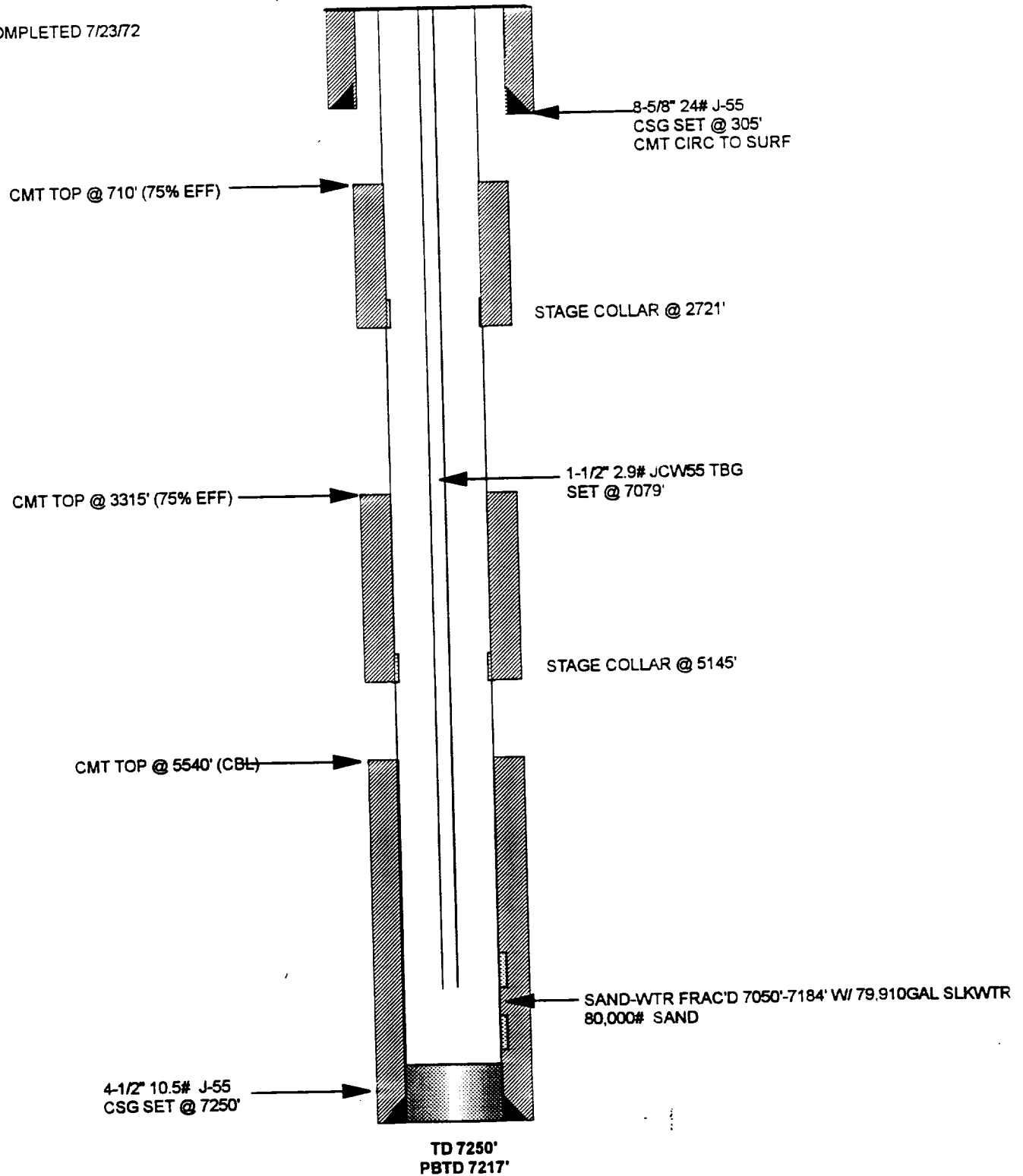
Workover History: None

NYE SRC #15

CURRENT
BASIN DAKOTA

UNIT A, SEC 25, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 7/23/72



NYE SRC #15

PROPOSED
BASIN DAKOTA

UNIT A, SEC 25, T30N, R11W, SAN JUAN COUNTY, NM

COMPLETED 7/23/72

