

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
ZLN

Sundry Notices and Reports Containing Well 12 PM 2:23

1. Type of Well
GAS

070 FARMINGTON, NM

5. Lease Number
NM-03465
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

1820' FSL, 1810' FEL, Sec. 29, T-27-N, R-9-W, NMPM

5

8. Well Name & Number
A D Hudson #4
9. API Well No.
30-045-06238
10. Field and Pool **96647**
~~Flora Vista Frt Sand/~~
Basin Dakota
11. County and State
San Juan Co, NM

WC 27N9W29E5

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 - abandon Dakota
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug back the subject well to the Fruitland Sand formation according to the attached procedure and wellbore diagram. The Dakota formation will be abandoned.

RECEIVED
NOV 1 8 1996

OIL CON. DIV.
DIST. 3

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

Signed *Shay Shandfield* (PMP1) Title Regulatory Administrator Date 11/12/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

Q

APPROVED

NOV 14 1996

/s/ Donnie W. Spivey
DISTRICT MANAGER

NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer 00, 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-10
Revised February 21, 199
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-06238	Pool Code 76609/71599	Pool Name WELLOCAT 21N9W2E5; Elora Vista Frt Sd/Basin Dakota
Property Code 18471	Property Name A. D. Hudson	Well Number 4
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6410'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
J	29	27-N	9-W		1820	South	1810	East	S.J.

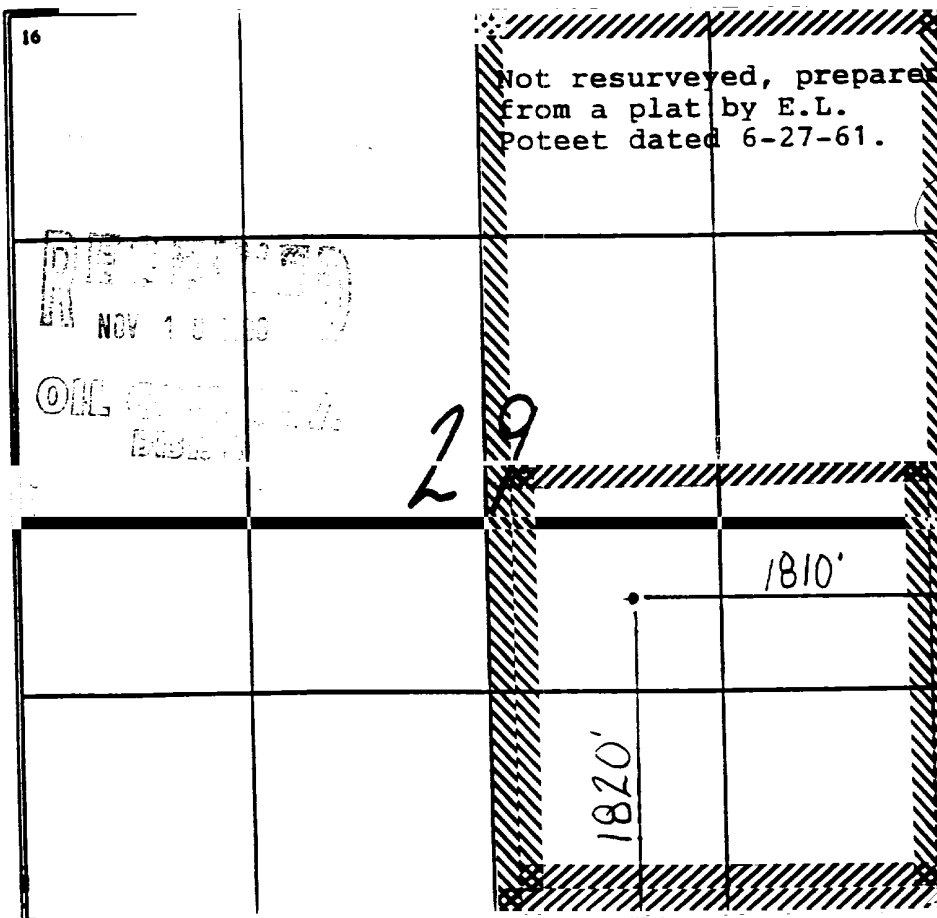
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	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.

160-E/320

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 Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
11-12-96
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.

11/06/96

Date of Survey
Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
6853
Certification Number

HUDSON A.D. #4 FRTS
Workover Procedure
J 29 27 9
San Juan County, N.M.
Lat-Long: 36.543701 - 107.808304

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. Test operation of rams. NU blooie line & 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg & test to 3000 psi. TOH w/207 jts 2-3/8" tbg. Make 4-1/2" scrapper run on 2-3/8" tbg to 6564'. TOH.
3. Run 4-1/2" cmt ret on 2-3/8" tbg & set @ 6564'. Sq DK perms w/40 sx cmt. This will fill inside csg from bottom perf to cmt retainer w/100% excess cmt. Sting out of ret & spot 5 sx cmt on top of cmt ret.
4. PU tbg & spot 12 sx cmt 5773'-5673'. This will fill inside the csg 50' above & below top of Gallup w/50% excess. TOH.
5. PU tbg & spot 12 sx cmt 3830'-3730'. This will fill inside the csg 50' above & below top of Mesaverde w/50% excess.
6. MI Blue Jet. Set CIBP @ 2232'. Run CBL & an advanced integrated data processing GSL neutron log 2232'-1900'. Run 4-1/2" pkr on 2 jts tbg & pressure test to 300 psi. Hot-shot logs to Production Engr.
7. Using GSL log, Perf about 20' of FRTS w/2 spf from about 2075' to 2096'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees & 2 spf. Average perf dia. = 0.48". Average penetration is 18" in Berea.
8. Spot & fill 2-400 bbl. frac tanks w/2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank is for breakdown water. Usable gel water required for frac is 289 bbls.
9. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string & set @ 1800'. (Run 2 jts 2-3/8" N-80 on top of pkr). Load backside w/1% KCL water. Pressure backside to 300 psi & monitor during frac job.
10. Breakdown & attempt to ball-off w/1000 gal 15% HCL acid & 40 7/8" 1.3 sp gr RCN perf balls. Lower pkr to 2100' to knock off perf balls. Reset pkr @ 2000'.
11. Fracture treat FRTS down frac string w/40,000 gals. of 70 quality foam using 30# gel as the base fluid & 60,000# 20/40 Arizona sand. Pump at 35 BPM. Monitor bottomhole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6000 psi & estimated treating pressure is 3000 psi. Treat per the folowing schedule:

<u>Stage</u>	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	10,000	3,000	—
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
Flush	(500)	(150)	0
Totals	40,000	12,000	60,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/the following additives per 1000 gallons:

- * 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- * 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- * 1.0# GVW-3 (Enzyme Breaker mix on fly)
- * 1.0# B - 5 (Breaker mix on fly)
- * 5.0 gal Fracfoam I (Foamer mix on fly)
- * 0.38# FracCide 20 (Bacteriacide mix on full tank)

- 12. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.**
- 13. Release pkr & TOH w/frac string. TIH w/3-7/8" bit on 2-3/8" tbg & clean out to 2232' w/air/mist.
- 14. Monitor gas & water returns & **take pitot gauges when possible.**
- 15. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2232'-1800'.
- 16. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 2232'. When wellbore is sufficiently clean, land tbg @ 2050' KB. **Take final water & gas & rates.**
- 17. ND BOP & NU wellhead & tree. Rig down & release rig.

Recommended: _____
Production Engineer

Approve: _____
Drilling Superintendent

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133

PMP

Pertinent Data Sheet - HUDSON A.D. #4 DK

Location: 1820' FSL & 1810' FEL. Unit J. Section 29. T27N. R9W. San Juan County, New Mexico

<u>Field:</u> Basin Dakota	<u>Elevation:</u> 6410' GL 11' KB	<u>TD:</u> 6890' <u>PBTD:</u> 6823'
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<u>Completed:</u> 7/27/61	<u>Spud Date:</u> 7/9/61	<u>DP #:</u> 29963
100% SRC Trust = 100%GWI & 82.5% NRI		<u>Lease:</u> Fed: SF 03465
		<u>GWI:</u> 25%
		<u>NRI:</u> 20.625%
		<u>Prop#:</u> 0020296

Initial Potential: AOF=2568MCF/D; Q=2406MCF/D; SICP=1925 psi

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	24# J-55	312'	225 sx.	N/A
7-7/8"	4-1/2"	11.6&9.5# J-55	6890	250 sx.	5575' - Survey
		D.V. Tool @	4915'	215 sx	1400' - Survey

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2-3/8"	4.7# J-55	6566'	207 Jts

Formation Tops:

Ojo Alamo:	1340'	Cliffhouse	3780'
Kirtland Shale:	1459'	Point Lookout	4443'
Fruitland:	1993'	Gallup	5723'
Pictured Cliffs:	2182'	Graneros	6591'
		Dakota	6706'

Logging Record: Induction

Stimulation: Perfed Dakota @ 6614'-32', 6704'-26', 6792'-6802' w/4 spf & fraced w/75,000# sand in water.

Workover History: NONE

Production history: DK 1st delivered 11/30/61. Current DK capacity is 20 MCF/D. DK cum is 1363 MMCF..W/ 0MMCF booked.

Pipeline: Williams Field Service

HUDSON A.D. #4 DK

UNIT J SECTION 29 T27N R9W
SAN JUAN COUNTY, NEW MEXICO

PRESENT

