

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

NOV 20 11:27

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

1510' FNL, 1650' FWL, Sec. 6, T-29-N, R-11-W, NMFM

5. Lease Number
SF-078813

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Cooper #6

9. API Well No.
30-045-20518

10. Field and Pool
WC;29N11W6F Frt Sd/
Fulcher Kutz Pict.Cliffs

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 - abandon Pictured Cliffs

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Fruitland Sand formation according to the attached procedure and wellbore diagram. The Pictured Cliffs formation will be abandoned.

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

Signed Regan Smith (PMP2) Title Regulatory Administrator Date 11/18/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date

APPROVED

/s/ Duane W. Spencer
NOV 21 1996

DISTRICT MANAGER

NMCCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, 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-1
Revised February 21, 19
Instructions on ba
Submit to Appropriate District Offi
State Lease - 4 Cop
Fee Lease - 3 Cop

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 30-045-20518	' Pool Code /77200	' Pool Name Fulcher Kutz Pictured Cliffs Wildcat; 29N11W06F Fruitland Sand/
' Property Code 18498	' Property Name Cooper	' Well Number 6
' OGRID No. 14538	' Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	' Elevation 5806'

¹⁰ Surface Location

UL or lot no. F	Section 6	Township 29-N	Range 11-W	Lot Ida	Feet from the 1510	North/South line North	Feet from the 1650	East/West line West	County 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

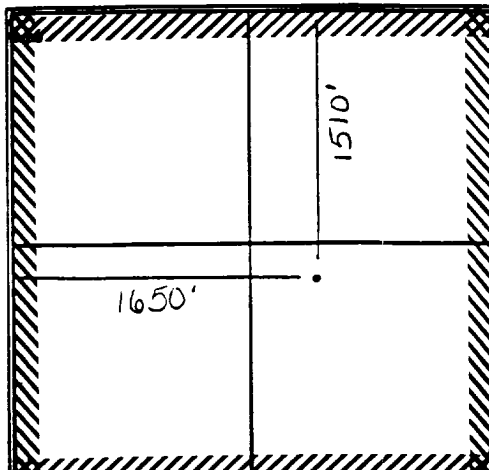
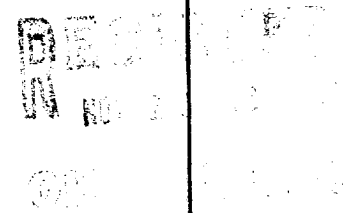

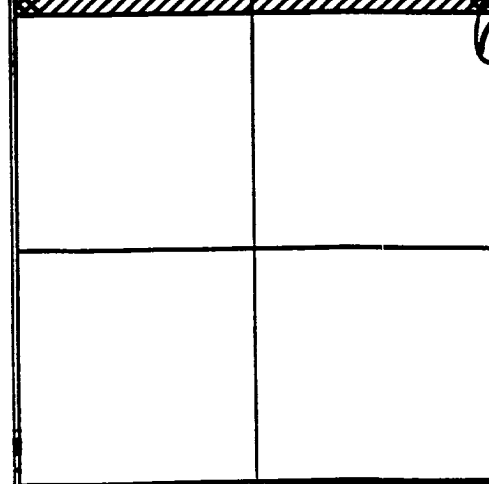
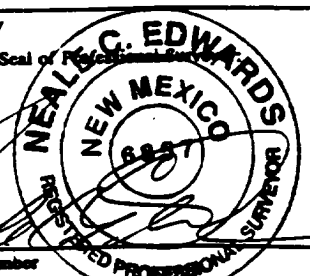
¹² Dedicated Acres
160/160

¹³ Joint or Infill

¹⁴ Consolidation Code

¹⁵ Order No.

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

	Not resurveyed, prepared from a plat by Fred B. Kerr, Jr. dated 6-12-69.		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
			Signature 
			Printed Name Peggy Bradfield Regulatory Administrator Title 11-19-96 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 or under my supervision, and that the same is true and correct to the best of my belief. 11/18/96
			Date of Survey Signature and Seal of Professional Surveyor 
			Certificate Number

COOPER #6 FRTS
Workover Procedure
F 6 29 11
San Juan County, N.M.
Lat-Long: 36.757462 - 108.034683

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. TOH w/ 95 Jts 1" tbg. TIH w/4-1/2" scrapper on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental tbg to 2050' (Run 2 jts 2-3/8" N-80 on top of scrapper). TOH. Run dual spaced neutron log 2050'-1400'.
3. Run 4-1/2" cmt ret on 2-7/8" tbg & set @ 1900' (run 2 jts 2-3/8" N-80 above cmt ret). Sq PC perms w/20 sx CI "B" cmt. This will fill inside csg from bottom perf to cmt retainer w/100% excess cmt. Sting out of ret & spot 2 sx cmt on top of cmt ret. Reverse out cmt & pressure test csg to 300 psi.
4. Using neutron log, perf Fruitland Sand w/2 spf @ about 1622'-42' & 1670'-78'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees & 2 spf. Total of about 56 holes. Average perf dia. = 0.48". Average penetration is 18" in Berea.
5. Spot & fill 2-400 bbl. frac tanks w/1% 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 288 bbls.
6. 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 @ 1450'. (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 breakdown & frac job.
7. Breakdown & attempt to ball-off w/1500 gal 15% HCL acid & 140 7/8" 1.3 sp gr RCN perf balls. Lower pkr to 1700' to knock off perf balls. Reset pkr @ 1550'.
8. 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 2500 psi. Treat per the folowing schedule:

Stage	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	(376)	(113)	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)


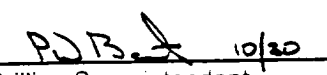
COOPER #6 FRTS - RECOMPLETE TO FRUITLAND SAND

- * 1.0# GWW-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 (Bactericide mix on full tank)
9. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.**
10. Release pkr & TOH w/frac string. TIH w/notched collar on new 1-1/4" tbg & clean out to 1800' w/air/mist.
11. Monitor gas & water returns & **take pitot gauges when possible.**
12. When wellbore is sufficiently clean. TOH & run after frac gamma-ray log from 1800'-1400'.
13. TIH w/1-1/4" tbg w/standard seating nipple one joint off bottom & again cleanout to 1800'. When wellbore is sufficiently clean, land tbg @ 1650' KB. **Take final water & gas & rates.**
14. ND BOP & NU wellhead & tree. Rig down & release rig.

Recommended:


Production Engineer

Approve:


 10/25/96
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133

PMP

Pertinent Data Sheet - COOPER #6

Location: 1510' FNL & 1650' FWL, Unit F Section 6, T29N, R11W, San Juan County, New Mexico

Field: Und. Fruitland Sand

Elevation: 5806' GL
12' KB

TD: 2075'
PBTD: 2074'

Completed: 6/26/69

Spud Date: 6/19/69

100% SRC Trust = 100%GWI & 87.0% NRI

DP #: 9785B
Lease: Fed: SF 078813
GWI: 25%
NRI: 21.75%
Prop#: 0020235

Initial Potential: PC=AOF=3327MCF/D; Q=2382MCF/D; SICP=352 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# N/A	112'	60 sx.	N/A
6-3/4"	4-1/2"	9.5# K-55	2074'	250 sx.	584' - CBL

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1"	N/A	2004'

95 Jts

Formation Tops:

Ojo Alamo:	627'
Kirtland Shale:	752'
Fruitland:	1570'
Pictured Cliffs:	1951'

Logging Record: Induction, CBL

Stimulation: Perfed PC @ 1988'-2002', 2012'-16', 2024'-28' w/4 spf & fraced w/25,000# sand in water.

Workover History: NONE

Production history: PC 1st delivered 9/24/69 Current PC capacity is 0 MCF/D. PC cum is 464 MMCF..W/ 0MMCF booked to PC. We have a BLM demand on this well with a deadline of 5/1/97.

Pipeline: Sunterra Gas Gathering

COOPER #6

UNIT F SECTION 6 T29N R11W
SAN JUAN COUNTY, NEW MEXICO

