

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

99 MAR 10 PM 1:01

1. Type of Well
GAS

070 FARMINGTON, NM

5. Lease Number
SF-078716A
6. If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

RECEIVED
MAR 13 1999

7. Unit Agreement Name

3. Address & Phone No. of Operator

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

8. Well Name & Number
Hubbell #3

9. API Well No.
30-045-11995

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

800' FSL, 1460' FEL, Sec.18, T-29-N, R-10-W, NMPM

10. Field and Pool
Blanco MV/Basin DK
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 - Commingle
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. The Mesaverde will then be commingled with the existing Dakota formation. A down-hole commingle application will be filed.

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

Signed Duane W. [Signature] (PMPOpps2) Title Regulatory Administrator Date 3/4/99

(This space for Federal or State Office use)

APPROVED BY AS/Duane W. [Signature] Title Regulatory Administrator Date MAR 16 1999
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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

Form C-
Revised February 21, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

99 MAR 10 PM 1:01

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-11995	72319/71599	Blanco Mesaverde/Basin Dakota
Property Code	Property Name	Well Number
7133	HUBBELL	3
GRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	5585'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
0	18	29N	10W		800	SOUTH	1460	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
MV-E/320.85 DK-E/320.85			

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

16	17 OPERATOR CERTIFICATION
<p>*NOT RESURVEYED*</p> <p>PREPARED FROM A PLAT</p> <p>BY DAVID O. VILVEN</p> <p>DATED MAY 24, 1961</p>	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>
	<p><i>Peggy Bradfield</i></p> <p>Signature</p>
	<p>Peggy Bradfield</p> <p>Printed Name</p>
	<p>Regulatory Administrator</p> <p>Title</p>
	<p>3-8-99</p> <p>Date</p>
	18 SURVEYOR CERTIFICATION
	<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made on or under my supervision and that the same is true and correct to the best of my belief.</p>
	<p>MARCH 5, 1999</p> <p>Date of Survey</p>
	<p><i>NEALE C. EDWARDS</i></p> <p>Signature and Seal of Professional Surveyor</p>
	<p>NEALE C. EDWARDS</p> <p>REGISTERED PROFESSIONAL SURVEYOR</p> <p>NEW MEXICO</p> <p>6857</p>
	<p>Certificate Number 685</p>

OK

HUBBELL #3 MV
Workover Procedure
O 18 29 10
San Juan County, N.M.
Lat-Long: 36-43.24' - 107-55.27'

PROJECT SUMMARY: This is a Mesaverde recompletion in a 1962 vintage Dakota well which will be commingled with the existing Dakota.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ ~6355' and test to 3000 psi. TOH w/2-3/8" tbg.
3. MI Wireline. Set 4-1/2" drillable BP @ 4500'. Load hole w/1% KCL. Run CBL from 4500' to top of cmt above stg tool @ 4642' and top of cmt above stg tool @ 2048' and an advanced integrated data processed GSL neutron log 4500'-3500' and correlate to attached open hole log. Pressure csg to 800 psi, if necessary to insure good bonding. Pressure test csg to 800 psi. **Hot Shot logs to Mike Pippin to pick possible sq holes and MV perfs.** TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 4450'. Pressure test BP @ 4500' to 4550 psi.

POINT LOOKOUT:

5. Spot 160 gal 15% HCL acid across Point Lookout (~4450'--~4210'). TOH.
All acid on this well to contain the following additives per 1000 gal:

2 gal	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	clay control
5. Using new GSL log perf Point Lookout w/1 spf w/ about 18 holes from ~4210' to ~4450'. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
6. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1690 bbls.
7. 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 and set @ 4100'. (Run 2 jts 2-3/8" N-80 on top of pkr). W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #4. Max. pressure is 4550 psi. Lower pkr to 4460' to knock off perf balls. Reset pkr 50' above top Point Lookout perf. Prepare to frac.
8. Pressure annulus to 500 psi and monitor during frac job. Frac Point Lookout w/70,000 gals. of 30# gel and 120,000# 20/40 Arizona sand. Pump at 35 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 6000 psi and estimated treating pressure is 4200 psi. Frac string friction @ 30 BPM is 2820 psi. Treat per the following schedule:

HUBBELL #3 MV – MESAVERDE RECOMPLETION AND COMMINGLE WITH DAKOTA

<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	---
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	20,000	60,000
Flush	(1,020)	0
Totals	70,000	120,000#

If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 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)
* 0.38# - Fracide 20	(Bactericide in full tank)

9. Shut well in for 4 hrs to let gel break. TOH w/2-7/8" tbg and pkr. TIH w/wireline gauge ring to insure a 4-1/2" top drillable BP can be set between frac stages @ 4150'.

MENEFEE:

10. TIH w/4-1/2" top drillable BP, on-off tool, and 4-1/2" pkr. Set top drillable BP @ 4150'. PU and set pkr @ 4100' and pressure test BP @ 4150' to 4550 psi. Spot 220 gal 15% HCL acid across Menefee perfs at about ~4120'~3800'. Use same acid additives as in step #4. ~~TOOH~~
11. Using GSL log, perf Menefee w/about 18 holes @ 1 spf @ about 3800'-4120'. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
12. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1690 bbls.
13. 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 and set pkr @ 3600'. (Run 2 jts 2-3/8" N-80 on top of pkr). W/ 500 psi on annulus, breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #4. Max. pressure is 4550 psi. Lower pkr to 4130' to knock off perf balls. Reset pkr 50' above top Menefee perf @ about 3750' and prepare to frac.
14. Pressure annulus to 500 psi and monitor during frac job. Frac Menefee w/70,000 gals. of 30# gel and 120,000# 20/40 Arizona sand. Pump at 35 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 6000 psi and estimated treating pressure is 4200 psi. Frac string friction @ 35 BPM is 2816 psi. Treat per the following schedule:

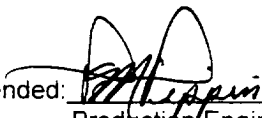

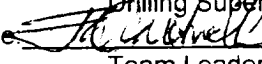
<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	---
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	20,000	60,000
Flush	(912)	0
Totals	70,000	120,000#

HUBBELL #3 MV – MESAVERDE RECOMPLETION AND COMMINGLE WITH DAKOTA

If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

* 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)
* 0.38# - Fracide 20	(Bactericide in full tank)

15. Shut well in for 4 hrs to let gel break.
16. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible.** TOH w/frac string and pkr.
17. TIH w/3-7/8" bit on 2-3/8" tbg and C.O. Menefee to drillable BP @ 4150' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 4150' w/air/mist and clean out Point Lookout to drillable BP @ 4500'.
18. **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 4500' and clean out Dakota to PBSD @ 6524'.
19. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 4500'-3700 and perf eff log across all perf intervals from 6478'-3700'.
20. TIH and rabbit 2-3/8" 4.7# J-55 tbg w/standard seating nipple one joint off bottom and again cleanout to 6524'. When wellbore is sufficiently clean, land tbg @ 6400 KB. **Take final water and gas rates.**
21. ND BOP and NU wellhead and tree. Rig down and release rig. Complete well as commingled Mesaverde – Dakota.

Recommended:  2/24/99 Approve:  2/23/99
 Production Engineer Drilling Superintendent
 Approve:  2/23/99
 Team Leader

VENDORS:

Wireline	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133
Pkrs and Ret BP	Schlum.	325-5006

PMP

HUBBELL #3 MV-DK

UNIT O SECTION 18 T29N R10W
SAN JUAN COUNTY, NEW MEXICO

