submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM
99 APR -8 PM 1:31
070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-077282

6. **If Indian, All. or Tribe Name**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

RECEIVED
APR 22 1999
OIL CON. DIV.
DIST. 3

7. **Unit Agreement Name**

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. **Well Name & Number**
Grenier A #3

9. **API Well No.**
30-045-13328

4. **Location of Well, Footage, Sec., T, R, M**
1510'FNL 1620'FEL, Sec.34, T-30-N, R-10-W, NMPM

10. **Field and Pool**
Blanco MV/Basin DK

11. **County and State**
San Juan Co, NM

G

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Payadd/commingle	

13. **Describe Proposed or Completed Operations**

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

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

Signed _____ (PMP) Title Regulatory Administrator Date 4/1/99

TLW

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title Team Lead, Petroleum Management Date APR 19 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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

GRENIER A #3 MV-DK
Workover Procedure
G 34 30 10
San Juan County, N.M.
Lat-Long: 36-46.31' - 107-52.08'

PROJECT SUMMARY: This is a Mesaverde payadd (Menefee and Point Lookout) in a 1964 vintage dual Dakota Mesaverde (Cliffhouse) well which will be commingled.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. Test well for H2S and rig up accordingly. MOL and RU completion rig. Have Safety Alliance test well for H2S and provide equipment if necessary. NU BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line.

NOTE: MV GAS TESTS ABOUT 10 PPM H2S IN THIS AREA.

2. TOH w/1-1/2" tbg, blast jts (~4170'-~4240'), and Model "D" pkr seal assembly and lay down. TIH w/C-J milling tool on new 2-3/8" tbg to Model "D" pkr @ 6650'. Mill out pkr and TOH.

POINT LOOKOUT:

3. TIH w/4-1/2" top drillable BP, on-off tool, and 4-1/2" pkr on 2-3/8" tbg. Set 4-1/2" top drillable BP @ 5060'. **Note:** DV tool @ 5065'. Load hole w/1% KCL. PU and set pkr @ 5000' and pressure test BP down tbg to 2000 psi. PU, reset pkr @ 4150', close pipe rams, and pressure test annulus to 500 psi.

4. PU and reset pkr @ 3900'. Sq Cliffhouse perfs 4173'-4236' w/100 sx cl "B" w/0.4% Halad 344 followed by 150 sx cl "B" w/5# gilsonite/sx and 1% Cacl2. WOC overnight.

5. TIH w/3-7/8" bit on 2-3/8" tbg. Drill and clean out cmt w/air/mist to 5050'. Pressure test sq to 500 psi. TOH.

6. Run CBL from 5060' to top of cmt in 4-1/2" csg above DV tool @ 5065' and DV tool @ 2649'. Run an advanced integrated data processed GSL neutron log 5060'-4100'. **Hot shot logs** to Mike Pippin (326-9848) to pick possible sq perfs and MV perfs. Max. pressure on squeezes is 1000 psi. Sq again if required.

7. TIH w/2-3/8" tbg open ended and roll hole w/1% KCL. W/pipe @ ~5030', spot 200 gal 15% HCL acid across Point Lookout (~5030'-~4755'). 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

8. Using GSL log perf Point Lookout w/1 spf w/about 20 holes @ about (~4755'-~5030'). 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.

9. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for fracing and one tank for breakdown water. Usable frac water required for frac is 1693 bbls.

10. 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 @ 5050'. (Run 2 jts 2-3/8" N-80 on top of pkr). Pressure test BP @ 5060' to 4100 psi. Reset pkr @ 4500'. W/ 300 psi on annulus, breakdown and attempt to balloff Point Lookout perfs w/1500 gal 15% HCL acid and 50 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #7. Max. pressure is 4100 psi. Lower pkr to 5040' to knock off perf balls. Reset pkr @ 4700' and prepare to frac.

11. 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 4771 psi. Frac string friction @ 35 BPM is 3574 psi. Treat per the following schedule:

Stage	Water (Gals.)	Sand Vol. (lbs.)
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	(1,142)	0
Totals	70,000	120,000#

If well is on vaccum 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	(Bacteriacide in full tank)

12. 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 @ 4790'.

MENEFEE:

13. TIH w/4-1/2" top drillable BP, on-off tool, and 4-1/2" pkr. Set top drillable BP @ 4790'. PU and set pkr @ 4785' and pressure test BP @ 4790' to 4100 psi. Spot 150 gal 15% HCL acid across Menefee perfs at about ~4500'-~4715'. Use same acid additives as in step #7.

14. Using GSL log perf Menefee w/1 spf w/about 20 holes @ about (~4500'-~4715'). 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.

15. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for fracing and one tank for breakdown water. Usable frac water required for frac is 1692 bbls.

16. 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 @ 4300'. (Run 2 jts 2-3/8" N-80 on top of pkr). W/ 300 psi on annulus, breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 50 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #7. Max. pressure is 4100 psi. Lower pkr to 4720' to knock off perf balls. Reset pkr @ 4400' and prepare to frac.

17. 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 5234 psi. Frac string friction @ 35 BPM is 3348 psi. Treat per the following schedule:

Stage	Water (Gals.)	Sand Vol. (lbs.)
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	(1,070)	0
Totals	70,000	120,000#

If well is on vaccum 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	(Bacteriacide in full tank)

18. Shut well in for 4 hrs to let gel break. TOH w/2-7/8" tbg and pkr.

19. 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 tbg and pkr.

20. TIH w/3-7/8" bit on 2-3/8" tbg and C.O. Menefee to drillable BP @ 4790' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 4790' w/air/mist and clean out Point Lookout to drillable BP @ 5060'.

21. **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 5060' and clean out Dakota to 6982'.

22. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 5060'-4100 and perf eff log across all perf intervals from 6960'-4100' including squeezed perfs @ 4173'-4236'.

23. TIH and rabbit 2-3/8" 4.7# J-55 tbg w/standard seating nipple one joint off bottom and again cleanout to 6982'. When wellbore is sufficiently clean, land tbg @ 6900 KB. **Take final water and gas rates.**

24. ND BOP and NU wellhead and tree. Rig down and release rig. Complete well as commingled Mesaverde – Dakota.

GRENIER A #3 MV-DK – MESAVERDE PAYADD AND COMMINGLE WITH DAKOTA

Recommended: _____ 3/2/99
Production Engineer

Approve: _____
Drilling Superintendent

Approve: _____ 3/2/99
Team Leader

VENDORS:

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

PMP

GRENIER A #3 MV-DK

UNIT G SECTION 34 T30N R10W

SAN JUAN COUNTY, NEW MEXICO