submitted in lieu of Form 3160-5

RECEIVED BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

97 DEC 31 PM 1:28

070 FARMINGTON, NM

Sundry Notices and Reports on Wells

5. **Lease Number**
SF 079492 A

1. **Type of Well**
GAS

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

7. **Unit Agreement Name**
San Juan 27-5 Unit

2. **Name of Operator**
BURLINGTON RESOURCES

8. **Well Name & Number**
San Juan 27-5 U 57

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

9. **API Well No.**
30-039-07082

4. **Location of Well, Footage, Sec., T, R, M**
1450'FNL, 2510'FWL, Sec. F 13, T-27-N, R-5-W

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

11. **County and State**
Rio Arriba Co., NM

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	
	_X_ Recompletion	___ New Construction	
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing	
	___ Casing Repair	___ Water Shut off	
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection	
	___ Other -		

13. **Describe Proposed or Completed Operations**
It is intended to recomplete the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. The well will then be down hole commingled. A down hole commingle order will be applied for.

RECEIVED
JAN 12 1998
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (JLDOpps) Title Regulatory Admin. Date 12/30/97

(This space for Federal or State Office use)
APPROVED BY /s/ Duane W. Spencer Title _____ Date JAN - 8 1998
CONDITION OF APPROVAL, if any:

Hold C-104 For NSL & DHC

NMOCD

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

97 DEC 31 PM 1:28

Form
Revised February 2
Instructions o
Submit to Appropriate District
State Lease - 4
Fee Lease - 3

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹API Number	²Pool Code	³Pool Name
30-039-07082	72319/71599	Blanco Mesaverde/Basin Dakota

⁴Property Code	⁵Property Name	⁶Well Number
7454	SAN JUAN 27-5 UNIT	57

⁷OGRID No.	⁸Operator Name	⁹Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6838

¹⁰ Surface Location

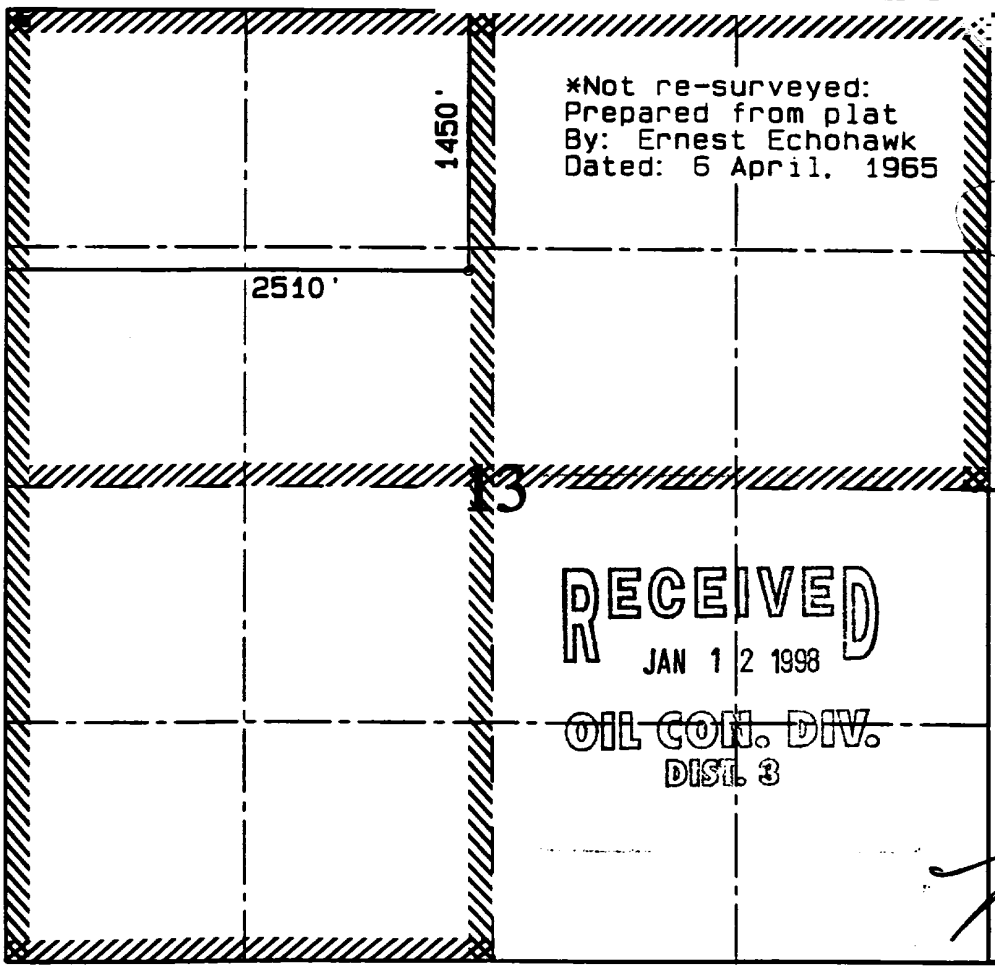
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Cou
F	13	27N	5W		1450	North	2510	West	RI ARR

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
MV-W/320 DK-N/320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLID
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICA

I hereby certify that the information contained
true and complete to the best of my knowledge a

Signature
Peggy Bradfield
Printed Name
Regulatory Administ
Title
12-30-97
Date

¹⁸ SURVEYOR CERTIFICAT

I hereby certify that the well location shown on
was plotted from field notes of actual surveys
or under my supervision, and that the same is tr
correct to the best of my belief.

OCTOBER 29, 1997
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857

6857
Certificate Number

San Juan 27-5 Unit #57

Mesaverde Recompletion Procedure
Unit F, Section 13, T27N, R5W
Lat: 36° - 34.59594 min./Long: 107° - 18.55866 min.

The well is currently completed in the Dakota with a production rate of 150 MCFD and cumulative production of 2.25 BCF. It is intended to recomplete the Mesaverde and commingle it with the Dakota. The Mesaverde interval will be sand fracture stimulated in two stages, Point Lookout/Lower Menefee and Cliffhouse/Upper Menefee, using a total of 120,000 gals 30 lb linear gel and 180,000 lbs 20/40 sand.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location a new or inspected 8100', 2-3/8" production string, 3 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, 6200', 2-7/8" N-80 frac string with shaved collars and 10, 400 bbl frac tanks

2. MIRU. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.

3. TOOH with 2-3/8" Dakota production string set at ± 8031' and LD. Send string in to be inspected and salvaged, if possible. Visually inspect tubing, note and report any scale in tubing. If tubing had appreciable scale when pulled from hole, call Jennifer Dobson at ext. 4026 to see if Dakota acid wash is needed.

4. PU and RIH with a 3-7/8" bit, 4-1/2" (10.5 lb/ft) casing scraper on 2-3/8" tubing string hauled to location. Clean out to PBTD (~8117') with air. TOOH.

5. RU wireline. RIH and set CIBP at 6350'. RD wireline.

6. Load hole with 2% KCL water. MIRU logging company. Run GR-CBL-CCL from PBTD to top of cement. Evaluate CBL. Top of good cement must be above 5100' to continue.

7. PU and RIH with 4-1/2" packer on 2-3/8" tubing. Set packer just above CIBP. Pressure test CIBP to 3600 psi. Pressure test backside to 1000 psi. Release packer and PUH to 6122.

Lower Menefee & Point Lookout:

8. Spot 270 gals of 15% HCL across Lower Menefee and Point Lookout perf interval from 5774' to 6122'. TOOH.

   All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

9. RU wireline. Perforate Lower Menefee and Point Lookout as follows using select fire HSC guns loaded with Owens HSC-3125 302T 10 gram charges (Av. perf diameter - 0.29", Av. pen. -16.64" in concrete). Be sure to perforate from top down (25 holes total).

5774', 5778', 5797', 5846', 5852', 5856', 5860', 5864', 5868', 5890', 5892', 5932', 5940' 5952', 5956', 5966', 5972', 5974', 5992', 6004', 6081', 6104', 6106', 6119', 6122'

RDMO wireline company.

10. Fill all ten 400 bbl frac tanks with 2% KCL water. Filter all water to 25 microns if brought from sources with known solids contimination. Filtration is not necessary for city water. Eight tanks (four per frac stage) are for gel and two tanks (one per frac stage) are for breakdown and flush.

11. TIH with 4-1/2" packer, tubing tester, 3 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, and remaining 2-7/8", 6.5 lb/ft N-80 frac string with shaved collars. Set packer at 5575'. Close tubing tester and test frac string to 6500 psi.

12. RU stimulation company. Pressure test surface lines to 4600 psi. Hold 500 psi on annulus. Breakdown and attempt to balloff Lower Menefee and Point Lookout perforations with 1500 gals 15% HCL and 200% excess RCN 7/8" 1.3 specific gravity perf balls to 3600 psi. Use same additives as in Step 8. Lower packer to 6130' to knock off perf balls. Reset packer at 5675'.

13. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 6500 psi. **Maximum surface treating pressure is 5500 psi.** Hold 500 psi on annulus, behind packer, and monitor during the job. Fracture stimulate Lower Menefee and Point Lookout with 90,000 lbs 20/40 Arizona sand in 60,000 gals 30 lb linear gel at **30 BPM**. Sand is to be tagged with 3 radioactive tracers. Average surface treating pressure will be 4800 psi. Treat per the following schedule:

Stage	Water (gals)	Sand Volume (lbs)
Pad	15,000	
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush (slickwater)	1,440	
Totals	**61,440**	**90,000**

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing.

Frac with the following additives per 1000 gals frac fluid. **Gel will be mixed on the fly.**

*	7.5 gal	LGC-8	Gel
*	1 gal	SSO-21	Surfactant
*	0.18 lb	BE-6	Biocide
*	0.4 lb	SP	Oxidizing Breaker
*	0.2 lb	GBW-3	Enzyme Breaker

RDMO stimulation company.

14. Open well through choke manifold and monitor flow. Flow at 20 BPH or less, if sand is observed. **Take pitot gauges when possible.** When pressures allow, release packer and TOOH.

15. RU wireline. Run a gauge ring to 5770' to insure a CIBP can be set at 5760'. RD wireline. If fill is present above 5760', TIH with 3-7/8" bit on 2-3/8" workstring and CO.

Cliffhouse & Upper Menefee:

16. PU and RIH with 4-1/2" CIBP, packer and 2-3/8" workstring. Set CIBP at 5760'. Set packer just above CIBP and pressure test to 3600 psi. Release packer and PUH to 5742'.

17. Spot 280 gals 15% HCL across Cliffhouse and Upper Menefee perf interval from 5369' to 5742'.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

18. RU wireline. Perforate Cliffhouse and Upper Menefee as follows using select fire HSC guns loaded with Owens HSC-3125 302T 10 gram charges (Av. perf diameter - 0.29", Av. pen. -16.64" in concrete). Be sure to perforate from top down (25 holes total).

5369', 5373', 5414', 5437', 5444', 5458', 5460', 5478', 5482', 5486', 5489', 5492', 5496', 5534', 5540', 5544', 5572', 5574', 5640', 5644', 5668', 5670', 5712', 5714', 5742'

RDMO wireline company.

19. Be sure there is enough water in four tanks for gel and one tank for breakdown and flush.

20. TIH with 4-1/2" packer, tubing tester, 3 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, and remaining 2-7/8", 6.5 lb/ft N-80 frac string with shaved collars. Set packer at 5170'. Close tubing tester and pressure test frac string to 6000 psi.

21. RU stimulation company. Pressure test surface lines to 4600 psi. Hold 500 psi on annulus. Breakdown and attempt to balloff Cliffhouse and Upper Menefee perforations with 1500 gals 15% HCL and 200% excess RCN 7/8" 1.3 specific gravity perf balls to 3600 psi. Use same additives as in Step 17. Lower packer to 5750' to knock off perf balls. Reset packer at 5270'.

22. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Hold 500 psi on annulus behind packer and monitor during the job. Fracture stimulate the Cliffhouse and Upper Menefee with 90,000 lbs 20/40 Arizona sand in 60,000 gals 30 lb linear gel at **30 BPM**. Sand is to be tagged with 3 radioactive tracers. Average treating pressure will be approximately 4500 psi. Treat per the following schedule:

Stage	Water (gals)	Sand Volume (lbs)
Pad	15,000	
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush	1,340	
Totals	**61,340**	**90,000**

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing.

Frac with the following additives per 1000 gals frac fluid. **Gel will be mixed on the fly.**

*	7.5 gal	LGC-8	Gel
*	1 gal	SSO-21	Surfactant
*	0.18 lb	BE-6	Biocide
*	0.4 lb	SP	Oxidizing Breaker
*	0.2 lb	GBW-3	Enzyme Breaker

RDMO stimulation company.

23. Open well through choke manifold and monitor flow. Flow at 20 BPH or less, if sand is observed. **Take pitot gauges when possible.** When pressures allow, release packer and TOOH. LD packer, 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" crossover and 2-7/8" N-80 tubing.

24. TIH with 3-7/8" bit on 2-3/8" tubing and cleanout with air/mist to CIBP at 5760'. Monitor gas and water returns. **Take pitot gauges when possible.** When well is sufficiently clean, drill out CIBP at 5760'.

25. Continue to cleanout with air/mist to CIBP used to isolate Dakota at 6350'. **Take pitot gauges when possible.** When well is sufficiently clean, run Mesaverde only 3 hour production test through separator using a back pressure of 200 psi. This is necessary for NMOCD commingling regulations. When test is complete, drill out CIBP at 6350' and continue cleanout to PBTD with air. TOOH.

26. RU Pro-Technics. Run After-Frac log from 6250-5250'. RD Pro-Technics.

27. RU Blue Jet. Run Perforation Efficiency log from 5360-6130'. RD Blue Jet.

28. TIH with an expendable check, one 2-3/8" joint, standard SN and remaining 2-3/8" tubing. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. Land tubing at 8061'. ND BOP. NU WH. Pump off expendable check. RDMO. Contact Production Operations for well tie-in.

Recommended: _____
Production Engineer

Approved: _____ 12/5/97
Drilling Superintendent

Approved: _____ 12/5/97
Team Leader

VENDORS:

Fracturing:	Halliburton	324-3500
RA Tag:	Pro-Technics	326-7133
Wireline:	Blue Jet	325-5584

Jennifer Dobson	599-4026 (work)	564-3244 (home)	324-2461 (pager)

San Juan 27-5 Unit #57
Pertinent Data Sheet
Lat: 36° - 34.59594 min./Long: 107° - 18.55866 min.

General Well Information:

Location: 1450 FNL, 2510 FWL, Unit F, Section 13, T27N, R5W, Rio Arriba County, NM.

Federal Lease #:	SF-079492-A	DP #:	51539A
Property #:	007972600	GWI/NRI:	67.46/49.02
Current Field:	Basin Dakota		
Spud:	6/14/65	Completed:	7/12/65
GL Elevation:	6838'	KB Elevation:	6848'
TD:	8152'	PBTD:	8117'

Casing Record:

Hole Size	Csg Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
13-3/4"	10-3/4"	48 lb/ft	J-55	203'	250 sx	Circ. to sur.
9-7/8"	7-5/8"	24 lb/ft	J-55	0-3900'	1050 sx	Circ. to sur.
6-3/4"	4-1/2"	10.5 lb/ft	J-55	8152'	525 sx	4180' (est.)

* DV Tool at 6062'.

Tubing Record:

Tubing Size	Weight	Grade	Depth Set	Number of Jts
2-3/8"	4.7 lb/ft	J-55	7994'	268
Baker Model 'B' Nipple			7995'	1
Perf Nipple			8001'	1
Orange Peeled Mud Anchor			8031'	1

Formation Tops:

Pictured Cliffs:	3708'	Menefee:	5498'	Greenhorn:	7783'
Lewis Shale:	3796'	Point Lookout:	5834'	Graneros Dakota:	7874'
Cliffhouse:	5348'	Mancos:	6010'	Main Dakota:	7996'

Logging Record: Lane Wells Electrolog (6-20-65).

Completion: Perforated the Dakota at 7997-8007' (2 SPF), 8051-8061' (2 SPF) and 8073-8093'(1 SPF). Acidized perfs with 1100 gals 7-1/2% HCL. Frac'd the entire zone with 28,560 gals water containing 0.8% KCL and 25,000 lbs sand at 32 BPM and 3400 psi. Perf'd 7873-7899' (2 SPF). Frac'd with 35,112 gals water and 39,720 lbs sand at 31 BPM and 3200 psi.

Workover History: None performed since original completion.

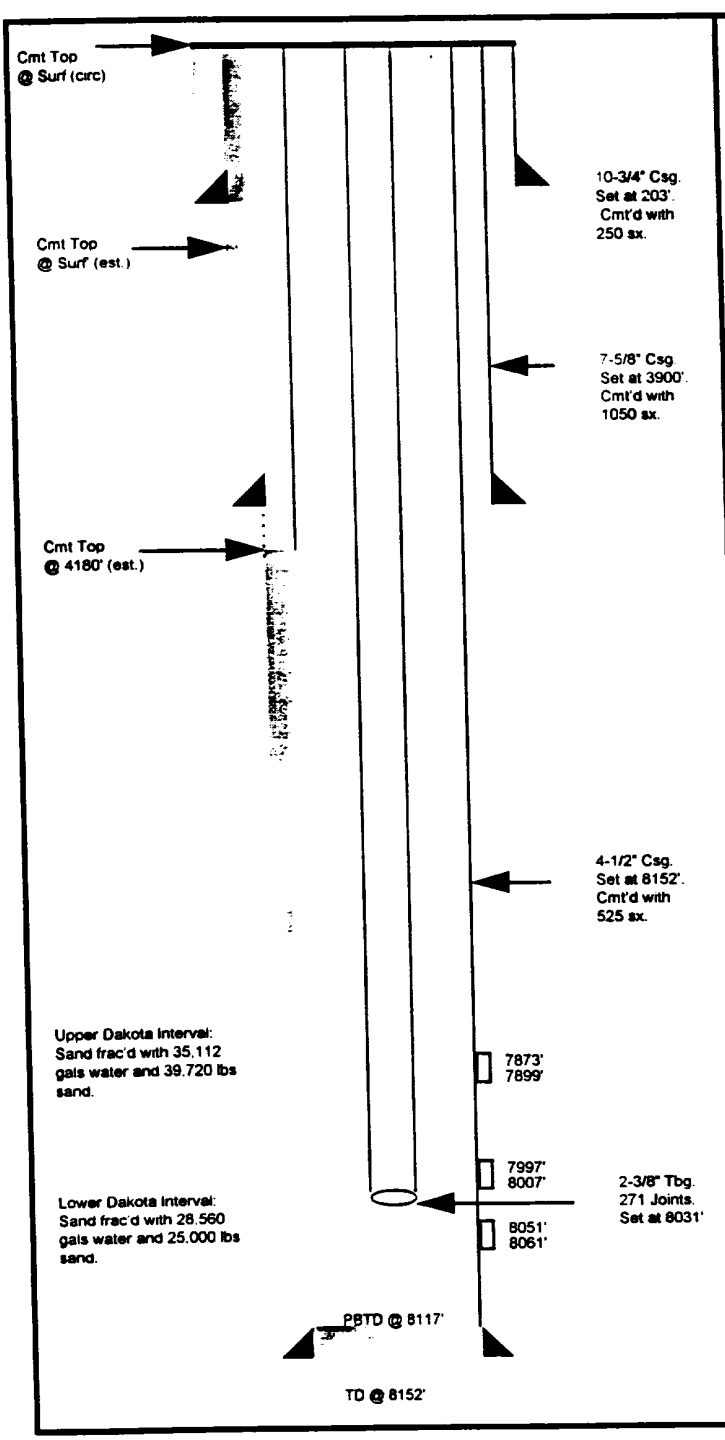
Production History: Currently producing from the Dakota. There isn't a Mesaverde producer in this quarter section. The well will be commingled provided producing pressures are adequate.

Pipeline: Williams Field Service

San Juan 27-5 Unit #57

Unit F, Section 13, T27N, R5W
Rio Arriba County, NM

Current Schematic



Proposed Schematic