

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports of Wells 12 PM 2:23

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

1172' FSL, 810' FEL, Sec. 33, T-28-N, R-6-W, NMPM

5. Lease Number  
SF-079051  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
San Juan 28-6 Unit  
8. Well Name & Number  
San Juan 28-6 U #185  
9. API Well No.  
30-039-20576  
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

☒ 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 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 with the New Mexico Oil Conservation Division.

RECEIVED  
NOV 18 1996

OIL CON. DIV.  
DIST. 3

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

Signed [Signature] (JAS8) Title Regulatory Administrator Date 11/12/96

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

CONDITION OF APPROVAL, if any

[Signature] Need GWC order

APPROVED  
Date \_\_\_\_\_

NOV 13 1996

/s/ Duane W. Gossard  
DISTRICT MANAGER

NMDCD

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

RECEIVED

SEP 12 PM 2:23

Form C-102  
Revised February 21, 1994  
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	Pool Code	Pool Name
30-039-20576	72319/71599	Blanco Mesaverde/Basin Dakota
Property Code	Property Name	Well Number
7462	San Juan 28-6 Unit	185
OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6694'

10 Surface Location

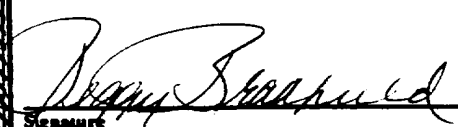
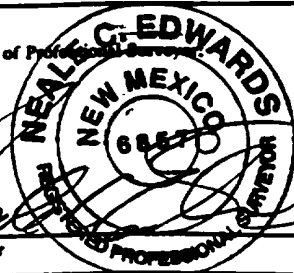
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	33	28-N	6-W		1172	South	810	East	R.A.

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.
MV-E/325.12			
DK-S/330.71			

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	Not resurveyed, prepared from a plat by David O. Vilven dated 10-24-72.	17 OPERATOR CERTIFICATION
RECEIVED NOV 1 8 1996 OIL CON. DIV. DIST. 3		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
		 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.
		11/08/96 Date of Survey
		Signature and Seal of Professional Surveyor
		
		Certificate Number

# *BURLINGTON RESOURCES*

## **San Juan 28-6 Unit #185**

Blanco Mesaverde R/C & Commingle w/ Dakota

Unit P, SE Section 33, T28N, R6W

Rio Arriba County, New Mexico

Lat: 36° 36' 48"

Long: 107° 27' 37"

- 
- Comply with all BLM, NMOCD, & MOI rules & regulations.
  - **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
  - Use DRILL GAS if possible over AIR.
  - 8,000' of 2-3/8" 4.7# EUE J-55 workstring and six (6) 3-1/8" drill collars on location
  - 21 frac tanks to be spotted and filled with 2% KCl water (includes 1 rig tank).
  - **Immediate flowback will be implemented on the last frac stage.**
  - Ensure CIBP's are T-Lok, if stacked plugs are run.
- 

***This well is part of the 1996 MV PUD Commingle program. The well is currently completed in the Dakota with a production rate of 87 MCFD/ <1 BOPD. Cumulative Dakota production is 2378 MMCF and 16.3 MBO. A Dakota casing pitot gauge taken on 10/21/96 showed 1020 MCFD for 1 hour. The Mesaverde interval will be added and the zones will be commingled upon completion of the well.***

1. MIRU. Record and report SI pressures on tubing, casing, & bradenhead. Lay blowdown line. **Obtain 15, 30, 45 & 60 minute pitot gauges and record on WIMS Report. These pitot gauges will be used for commingling allocation required by the NMOCD.** Blow down casing & tubing. Kill well w/ 2% KCl down tubing. ND WH, NU BOP.
2. TOOH, rabbit, & strap 250 jts of 1-1/2" (J-55, EUE, 2.9#) tubing @ 7897'. Visually inspect tubing, note and report any scale in tubing. Lay down bad joints. Tubing may be used for cleanout and rerun for production string if there is no scale or other problems.
3. Change rams to 2-3/8". PU 3-7/8" bit, 4-1/2" casing scraper, six (6) 3-1/8" drill collars (if necessary) and PU and strap 2-3/8", 4.7#, J-55, EUE workstring. Clean out w/ gas to PBTD @ 7925'. TOOH.
4. RU wireline. Run 4-1/2" 11.6# - 3.875" WL gauge ring to 5900'. RIH and set 4-1/2" CIBP @ 6100'.
5. Load hole w/ 2% KCL water. PU 4-1/2" pkr on 2 jts of 2-3/8" or 2-7/8" tubing and set @ 60'. Pressure test casing and CIBP to 3000 psi (62% of 4800 psi burst). Hold for 10 minutes. If PT does not hold, TIH and search for leaks. Locate leak(s). TOOH. Engineering will provide squeeze design if necessary.
6. RU wireline. Run GR-CCL-CBL from 6100' to 3100' (200' above cement top. Estimated TOC from TS @ 3300'). Note and report cement top and quality of bond across Mesaverde interval. Send two copies to office.
7. TIH w/ 2-3/8" workstring open-ended blowing hole dry in stages to 6050' (50' above CIBP). Spot 500 gallons of 15% HCL with 2/1000 gal inhibitor. TOOH.
8. RU wireline under packoff. Perforate underbalanced Lower Menefee and Point Lookout @ the following depths with 3-1/8" HSC guns, 1 SPF, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:  
  
**6040, 6015, 5985, 5970, 5948, 5893, 5880, 5867, 5844, 5832, 5808, 5775,  
5760, 5734, 5729, 5695, 5685, 5671, 5644, 5640, 5630, 5622, 5590, 5580    24 holes**
9. Change out rams to 2-7/8". PU 4-1/2" PKR on 2 jts of 2-7/8", 6.5#, J-55 or N-80 tubing/fracstring.

10. RU stimulation company. Pressure test surface lines to 4000 psi. **Maximum STP = 3000 psi.** Hold 500 psi on annulus. Fracture stimulate the Point Lookout w/ 10,000# 40/70 Arizona sand and 122,500# 20/40 Arizona sand in slickwater with 1/1000 of surfactant and friction reducer as needed. When rate and pressure stabilize during pad shut down and obtain ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if fluid will be on a vacuum. Plot Rate vs. Pressure to determine ISIP when flush is gone. Adjust flush volume accordingly. *(10 frac tanks needed for this stage)*
11. If well has pressure when stimulation is complete, flow back well immediately to pit. **Flowback rate not to exceed 4 BPM - choke flowback line with 1/4" to 1/2" positive choke.** Frac company is to monitor flowback pressures for 30 minutes after shutdown. Flowback should continue for as long as necessary to release PKR. When well dies, release packer and stand back.
12. RU wireline. Run 4-1/2" 11.6# - 3.875" WL gauge ring to 5550'. RIH and set 4-1/2" RBP @ 5550'. Spot 5-10' sand on RBP.
13. Load hole w/ 2% KCL water. PU 4-1/2" PKR on 2 jts of 2-7/8", 6.5#, J-55 or N-80 tubing/fracstring. Pressure test casing and CIBP to 3000 psi (62% of 4800 psi burst). Hold for 10 minutes. Release pressure and stand back packer.
14. Change to 2-3/8" rams. TIH open ended w/ 2-3/8" workstring. Blow down with gas going in hole. Blow hole dry @ 5510'. Spot 400 gallons of 15% HCL (w/ 2 gal/1000 corrosion inhibitor). TOOH.
15. RU wireline under packoff. Underbalance perforate the Cliffhouse and Menefee @ the following depths with a 3-1/8" HSC gun, 1 SPF, 12 gram charges (Owen HSC-3125 306T) and 0.29" diameter holes:  

**5498, 5475, 5452, 5437, 5430, 5425, 5418, 5351, 5339, 5322, 5270, 5260,  
 5218, 5190, 5182, 5166, 5156, 5150, 5140, 5116, 5100, 5095, 5090, 5080                      24 holes**
16. Change out rams to 2-7/8". PU 4-1/2" PKR on 2 jts of 2-7/8", 6.5#, J-55 or N-80 tubing/fracstring.
17. RU stimulation company. Pressure test surface lines to 4000 psi. **Maximum STP = 3000 psi.** Hold 500 psi on annulus. Fracture stimulate the Cliffhouse/Menefee w/ 10,000# 40/70 Arizona sand and 132,500# 20/40 Arizona sand in slickwater. If possible, when rate and pressure stabilize during pad shut down and obtain an ISIP. When one-half of flush volume is gone, slow rate by 50% to determine if fluid will be on a vacuum. Plot Rate vs. Pressure to determine ISIP when flush is gone. Adjust flush volume accordingly.
18. If well has pressure when stimulation is complete, flow back well immediately to pit. **Flowback rate not to exceed 4 BPM - choke flowback line with 1/4" to 1/2" positive choke.** Frac company is to monitor flowback pressures for 30 minutes after shutdown. Flowback should continue for as long as necessary to release PKR.
19. When well dies, release PKR & stand back. Change out rams to 2-3/8".
20. TIH w/ retrieving head on 2-3/8" tubing and clean out to RBP @ 5550'. Obtain pitot gauge. Retrieve RBP @ 5550' and TOOH.
21. PU 3-7/8" bit and collars (if necessary) on 2-3/8" workstring and TIH. Clean out to CIBP @ 7600'. When sand and water rates are acceptable obtain pitot gauge. **Obtain 15, 30, 45 & 60 minute MV pitot gauges. These pitot gauges are required by the NMOCD for commingling approval.**
22. Drill CIBP @ 6100'. Clean out to PBTD @ 7925'. Clean up to +/- 5 BPH and trace to no sand. Obtain final commingled pitot gauge. **Obtain 15, 30, 45 & 60 minute pitot gauges. Pitot gauges are required by the NMOCD for commingling approval.** When well is clean TOOH.

- 23. Run production tubing as follows: expendable check, one joint 1-1/2" tubing, 1.81" FN, and remaining 1-1/2" tubing. Rabbit/gauge tubing before running in hole. Land tubing @ 7897' as removed from well. Broach tubing on sandline to FN.
- 24. ND BOP, NU WH. Pump off expendable check and flow well up tubing. Run swab to SN to ensure tubing is clear. RD & release rig to next location.

Approved: \_\_\_\_\_  
Regional Engineer

Approved: \_\_\_\_\_  
Drilling Superintendent

**Recommended Vendors:**

Stimulation	Rig Dependent	Cased Hole Services	Rig Dependent
<u>Engineering</u>	Jimmy Smith	326-9713-(W) 324-2420-(P) 327-3061-(H)	Sean Woolverton 326-9837- (W) 326-8931- (P) 326-4525- (H)

**PERTINENT DATA SHEET**  
**SAN JUAN 28-6 UNIT #185**

**Location:** 1172' FSL, 810' FEL  
Unit P, Section 33, T28N, R6W  
Rio Arriba County, New Mexico

**Elevation:** 6694' GL  
**LAT:** 36° 36' 48"  
**LONG:** 107° 27' 57"  
**DP#:** 44097A  
**GWI:** 34.14%  
**NRI:** 29.32%  
**TD:** 7934'  
**PBTD:** 7925'

**Field:** Basin Dakota

**Spud Date:** 11/23/72  
**Completion Date:** 01/22/73

**Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>Sxs Cmt</u>	<u>Cement Top</u>
13-3/4"	9-5/8"	32.3#, H-40	228'	190 (225 FT3)	surface
8-3/4"	7"	20#, KS	3776'	208 (246 FT3)	2820' TS
4-1/2"	4-1/2"	11.6#, KE			
		10.5#, KS	7934'	351 (615 FT3)	3300' TS
		FLOAT COLLAR	7925'		

**Tubing Record:**

<u>Tubing Size</u>	<u>Weight &amp; Grade</u>	<u>Depth Set</u>	<u>BHA</u>
1-1/2"	2.9#, J-55	7897'	SN 1 jt above bttm

**Formation Tops:**

Mesaverde	5076'	Gallup	6650'	Graneros	7633'
Pt. Lookout	5618'	Greenhorn	7568'	Dakota	7782'

**Logging Record:**

IGR / FDC-GR / Temp Survey

**Stimulation:**

Perf'd @ 7687-7702', 7786-7801', 7826-41', 7851-61', 7886-7901' w/18 SPZ  
Frac'd w/60,000# 40/60 sand, 59,976 gal wtr

**Workover History:**

NONE

**Production History:**

Latest Deliverability	87 MCFD	<1 BOPD	
Initial Deliverability	5101 MCFD AOF	ISITP: 2097	ISICP: 2641
Cums:	807 MMCF	4.5 MBO	

**Transporter:**

Oil/Condensate: Giant                      Gas: Williams

# San Juan 28-6 Unit #185

Basin Dakota

Unit P. Section 33, T28N, R6W

Rio Arriba County, NM

Elevation: 6694' GL

LAT: 36°36' 48"

LONG: 107° 27' 37"

date spud: 11-23-72

