



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1800 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

February 10, 1997

Ms Peggy Bradfield
Burlington Resources O&G Co
PO Box 4289
Farmington NM 87499

Re: San Juan 28-5 Unit #64M, API# 30-039-25589, D-28-28N-05W, DHC

Dear Ms. Bradfield:

Your recommended allocation of commingled production for the referenced well is hereby accepted as follows:

	Gas	Oil
Blanco Mesaverde	49%	50%
Basin Dakota	51%	50%

Sincerely,

Frank T. Chavez
District Supervisor

FTC\sh

cc: well file

SJ 28564M

BURLINGTON RESOURCES

SAN JUAN DIVISION

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RECEIVED
DEC 26 1996

Re: San Juan 28-5 Unit #64M
1190' FNL, 790' FWL Section 28, T-28-N, R-5-W
Rio Arriba County, New Mexico
Mesa Verde/Dakota

X-039-25589

OIL CON. DIV.
BPT. 3

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1421 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	49% gas - 50% oil
Dakota -	51% gas - 50% oil

These percentages are based on isolated flow tests from the Mesa Verde and Dakota during completion operations.

Please let me know if you have any questions.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

San Juan 28-5 Unit #64M
(Mesaverde/Dakota)Commingle
Unit D, 28-T28N-R05W
Rio Arriba County, New Mexico

Allocation Formula Method:

3 Hour Flow Test from Mesaverde = 844 MCFD & trace of oil

3 Hour Flow Test from Dakota = 891 MCFD & trace of oil

GAS:

$$\frac{(MV) 844 \text{ MCFD}}{(MV \& DK) 1735 \text{ MCFD}} = (MV) \% \text{ Mesaverde 49\%}$$

$$\frac{(DK) 891 \text{ MCFD}}{(MV \& DK) 1735 \text{ MCFD}} = (DK) \% \text{ Dakota 51\%}$$

OIL:

$$\frac{(MV) 0.1 \text{ BO}}{(MV \& DK) 0.2 \text{ BO}} = (MV) \% \text{ Mesaverde 50\%}$$

$$\frac{(DK) 0.1 \text{ BO}}{(MV \& DK) 0.2 \text{ BO}} = (DK) \% \text{ Dakota 50\%}$$

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. GENVR. ☐ Other _____

2. NAME OF OPERATOR
Burlington Resources Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1190' FNL, 790' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. DHC-1421 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.
SF-079521A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
San Juan 28-5 Unit

8. FARM OR LEASE NAME, WELL NO.
San Juan 28-5 U #64M

9. API WELL NO.
30-039-25589

10. FIELD AND POOL, OR WILDCAT
Blanco MV/Basin DK

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
D
Sec. 28, T-28-N, R-5-

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDDED 10-13-96 16. DATE T.D. REACHED 10-21-96 17. DATE COMPL. (Ready to prod.) 12-21-96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6720 GR, 6732 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7972 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY? 2 23. INTERVALS DRILLED BY 10-7972 24. PRODUCING INTERVAL(S), OF THIS COMPLETION (Report all strings set in well)* 7721-7910 Dakota 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CNL 27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8	36#	246	12 1/4	189 cu.ft.	
7	20#	3833	8 3/4	1011 cu.ft.	
4 1/2	10.5 & 11.6#	7968	7 7/8	572 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	7907	

31. PERFORATION RECORD (Interval, size and number)
7721, 7725, 7728, 7731, 7733, 7739, 7741, 7747, 7751, 7760, 7768, 7771, 7779, 7781, 7811, 7815, 7819, 7823, 7827, 7831, 7861-7865, 7872-7876, 7878, 7883, 7889, 7898-7910

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7721-7831	26,000# 20/40 Ottawa sd
	70,400 gal slk wtr
7861-7910	1234 bbl slk wtr
	32,422# 20/40 Ottawa sd

33. PRODUCTION

DATE FIRST PRODUCTION 12-21-96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST 12-21-96 HOURS TESTED CHOKES SIZE PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO 869 Pitot Gauge

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY (CORR.) SI 615 SI 375

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from _____

SIGNED [Signature] TITLE Regulatory Administrator BY [Signature] DATE 1-13-97

*(See Instructions and Space for Additional Data on Reverse Side)

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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH

38.

GEOLOGIC MARKERS

Ojo Alamo	2974'	3155'	White, cr-gr ss.	Ojo Alamo	2974'	
Kirtland	3155'	3354'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3155'	
Fruitland	3354'	3480'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3354'	
Pictured Cliffs	3480'	3830'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3480'	
Huerfanito Bentonite*	4400'	5050'	White, waxy chalky bentonite	Lewis	3830'	
Cliff House	5050'	5355'	ss. Gry, fine-grn, dense sil ss.	Huerfanito Bent.	4400'	
Menefee	5355'	5624'	Med-dark gry, fine gr ss, carb sh & coal	Cliff House	5050'	
Point Lookout	5624'	6200'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Menefee	5355'	
Mancos	6200'	6890'	Dark gry carb sh.	Pt.Lookout	5624'	
Gallup	6890'	7600'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Mancos	6200'	
Greenhorn	7600'	7715'	Highly calc gry sh w/thin lmst.	Gallup	6890'	
Graneros	7715'	7810'	Dk gry shale, fossil & carb w/pyrite incl.	Greenhorn	7600'	
Dakota	7810'	7972'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Graneros	7715'	
				Dakota	7810'	

*Huerfanito Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line)

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2. NAME OF OPERATOR
Burlington Resources Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.
PO Box 4289, Farmington, NM 87499 (505) 326-9700

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At surface 1190' FNL, 790' FWL
At top prod. interval reported below
At total depth DHC-1421

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
SF-079521A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME
San Juan 28-5 Unit

8. FARM OR LEASE NAME, WELL NO.
San Juan 28-5 U #64M

9. API WELL NO.
30-039-25589

10. FIELD AND POOL, OR WILDCAT
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D Sec. 28, T-28-N, R-5-W

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Rio Arriba

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NM

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20. TOTAL DEPTH, MD & TVD 7972 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY* 2 23. INTERVALS DRILLED BY 10-7972 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5055-5793 Mesaverde 25. WAS DIRECTIONAL SURVEY MADE No 27. WAS WELL CORRED No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CNL

CASING RECORD (Report all strings set in well)					AMOUNT PULLED
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	
9 5/8	36#	246	12 1/4	189 cu.ft.	RECEIVED FEB 24 1997
7	20#	3833	8 3/4	1011 cu.ft.	
4 1/2	10.5 & 11.6#	7968	7 7/8	572 cu.ft.	

LINER RECORD					30. TUBING RECORD
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE DEPTH SET (MD)
					2 3/8 7907

31. PREPARATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
5055, 5074, 5087, 5113, 5128, 5136, 5165, 5172, 5226, 5249, 5258, 5265, 5279, 5297, 5313, 5334, 5342, 5348, 5353, 5382, 5399, 5424, 5479, 5495, 5505, 5515, 5531, 5557, 5571, 5585.	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
	5055-5424 2463 bbl slk wtr
	100,000# 20/40 Brady sd
	5479-5793 2688 bbl slk wtr
	120,000# 20/40 Brady sd

33. Continued on back

33. PRODUCTION

DATE FIRST PRODUCTION 12-21-96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST 12-21-96 HOURS TESTED _____ CHOKER SIZE _____ PROD'N. FOR TEST PERIOD _____ OIL—BSL. _____ GAS—MCF. _____ WATER—BSL. _____ GAS-OIL RATIO _____

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE _____ OIL—BSL. _____ GAS—MCF. _____ WATER—BSL. _____ OIL—BSL. (CORR.) _____

SI 615 SI 875

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold

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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED [Signature] TITLE Regulatory Administrator DATE 1-13-97

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Graneros	7715'	7810'	Dk gry shale, fossil & carb w/pyrite incl.	Greenhorn	7600'	
Dakota	7810'	7972'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Graneros	7715'	
				Dakota	7810'	

Perforations Continued
 5590, 5595, 5600, 5631, 5637,
 5641, 5651, 5682, 5691, 5696,
 5705, 5716, 5733, 5737, 5750,
 5760, 5771, 5783, 5793

*Huerfanito Bentonite is the legal top of Mesa Verde in New Mexico (North of the Chacra line)