

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT I

P. O. Box 1980, Hobbs, NM 88240

DISTRICT II

P. O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P. O. Box 2089
 Santa Fe, New Mexico 87504-2089

Form C-105
 Revised 1-1-89

WELL API NO.

31-039-25774

Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-290-38

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well No.

#90M

9. Pool name or Wildcat

Blanco MV/Basin DK

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

RESVR ☐

OTHER

☐

DHC-1857

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address of Operator

PO BOX 4289, Farmington, NM 87499

4. Well Location

Unit Letter O : 1005' Feet From The South Line and 1550' Feet From The East LineSection 16Township 27NRange 5W

NMPM

Rio Arriba County, NM

10. Date Spudded

4-12-98

11. Date T.D. Reached

4-21-98

12. Date Compl. (Ready to Prod.)

6-15-98

13. Elevations (DF&RKB, RT, GR, etc.)

6614' GL, 6626' KB

14. Elev. Casinghead

15. Total Depth

7895'

16. Plug Back T.D.

7846'

17. If Multiple Compl. How

Many Zones?

2

18. Intervals

Drilled By

Rotary Tools

0-7895'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

7728' to 7818' Dakota

Commingled w/Mesaverde

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

CNL-GR-CCL/CBL-VDL

22. Was Well Cored

NO

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.3#	239'	12 1/4	236 cu ft	
7	20#	3624'	8 3/4	1034 cu ft	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2	2516'	7891'	665 cu ft		2 3/8	7808'	7660'

25. TUBING RECORD

26. Perforation record (interval, size, and number)

7728, 7734, 7740, 7760, 7764, 7772, 7778, 7784, 7790, 7798, 7810, 7814, 7818

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7728' to 7818'	1380 bbl 25# x-link gel, 90,000# 20/40 Tempered LC sand

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
6-15-98		Flowing				SI	
Date of Test	Hours Tested	Choke Size	Prod'n for	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
6-15-98			Test Period		752 PITOT GAUGE		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.)	
SI 440	SI 950						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

To be sold

Test Witnessed By

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature



Printed

Name Peggy Bradfield

Title

Regulatory Administrator

Date 6/19/98

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE.

Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo 2768'	T. Penn. "B"
T. Kirtland-Fruitland 2892' - 3005'	T. Penn. "C"
T. Pictured Cliffs 3404'	T. Penn. "D"
T. Cliff House 4968'	T. Leadville
T. Menefee 5188'	T. Madison
T. Point Lookout 5560'	T. Elbert
T. Mancos 6050'	T. McCracken
T. Gallup 6742'	T. Ignacio Otzte
Base Greenhorn 7504'	T. Granite
T. Dakota 7695'	T. Lewis 3502'
T. Morrison	T. Hrnito. Bnt. 3976'
T. Todilto	T. Chacra 4362'
T. Entrada	T. Graneros 7562'
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 3, from	to
No. 2, from	to	No. 4, from	to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
2768	2892		White, cr-gr ss.	5560	6050		Dark gry carb sh.
2892	3005		Gry sh interbedded w/tight, gry, fine-gr ss	6050	6742		Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbedded sh
3005	3404		Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	6742	7504		Highly calc gry sh w/thin lmst
3404	3502		Bn-gry, fine grn, tight ss	7504	7562		Dk gry shale, fossil & carb w/pyrite incl
3502	3976		Shale w/siltstone stringers	7562	7695		Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks
3976	4362		White, waxy chalky bentonite				
4362	4968		Gry fn grn silty, glauconitic sd stone w/drck gry shale				
4968	5074		ss. Gry, fine-grn, dense sil ss.				
5074	5188		Med-dark gry, fine gr ss, carb sh & coal				
5188	5560		Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation				

Submit to Appropriate

District Office

State Lease - 6 copies

Fee Lease - 5 copies

DISTRICT I

P O. Box 1980, Hobbs, NM 88240

DISTRICT II

P O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

OIL CONSERVATION DIVISION

P. O. Box 2089

Santa Fe, New Mexico 87504-2089

WELL API NO.

30-039-25774

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-290-38

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well No.

#90M

9. Pool name or Wildcat

Blanco MV/Basin DK

WELL COMPLETION OR RECOMPLETION REPORT AND LOG DIV.

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐ DHC-1857

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address of Operator

PO BOX 4289, Farmington, NM 87499

4. Well Location

Unit Letter O : 1005' Feet From The South Line and 1550' Feet From The East LineSection 16 Township 27N Range 5W NMPM Rio Arriba County, NM10. Date Spudded 4-12-98 11. Date T.D. Reached 4-21-98 12. Date Compl. (Ready to Prod.) 6-15-98 13. Elevations (DF&RKB, RT, GR, etc.) 6614' GL, 6626' KB 14. Elev. Casinghead15. Total Depth 7895' 16. Plug Back T.D. 7846' 17. If Multiple Compl. How Many Zones? 2 18. Intervals Drilled By 0-7895' Rotary Tools Cable Tools19. Producing Interval(s), of this completion - Top, Bottom, Name 4972' to 5968' Mesaverde Commingled w/Dakota 20. Was Directional Survey Made21. Type Electric and Other Logs Run CNL-GR-CCL/CBL-VDL 22. Was Well Cored NO

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.3#	239'	12 1/4	236 cu ft	
7	20#	3624'	8 3/4	1034 cu ft	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2	2516'	7891'	665 cu ft		2 3/8	7808'	7660'

26. Perforation record (interval, size, and number)

4972. 4992. 5008. 5046. 5076. 5082. 5090. 5110. 5116. 5124. 5140.
 5160. 5168. 5174. 5182. 5198. 5280. 5288. 5294. 5324. 5356. 5380.
 5386. 5392. 5446. 5472. 5536. 5568. 5576. 5584. 5588. 5602. 5610.
 5628. 5632. 5636. 5653. 5672. 5686. 5690. 5696. 5706. 5722. 5742.
 5772. 5801. 5820. 5894. 5930. 5948. 5968

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|--|
| 4972' to 5472' | 1958 bbl slk wtr. 100,000 # 20/40 AZ snd |
| 5536' to 5968' | 2055 bbl slk wtr. 100,000# 20/40 AZ snd |
| | |
| | |
| | |

28. PRODUCTION

| | | | | | | | |
|----------------------------------|---------------------------|--|---------------------------|------------|------------------------------|--------------------------------------|-----------------------------|
| Date First Production
6-15-98 | | Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing | | | | Well Status (Prod. or Shut-in)
SI | |
| Date of Test
6-15-98 | Hours Tested | Choke Size | Prod'n for
Test Period | Oil - Bbl. | Gas - MCF
752 PITOT GAUGE | Water - Bbl. | Gas - Oil Ratio |
| Flow Tubing Press.
SI 440 | Casing Pressure
SI 950 | Calculated 24-
Hour Rate | | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) |

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

To be sold

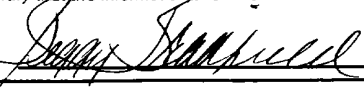
Test Witnessed By

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature



Printed

Name Peggy Bradfield

Title

Regulatory Administrator

Date 6/19/98

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE.

Southeastern New Mexico

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates _____
 T. 7 Rivers _____
 T. Queen _____
 T. Grayburg _____
 T. San Andres _____
 T. Glorieta _____
 T. Paddock _____
 T. Blinbry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____
 T. Atoka _____
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Delaware Sand _____
 T. Bone Springs _____
 T. _____
 T. _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo 2768'
 T. Kirtland-Fruitland 2892' - 3005'
 T. Pictured Cliffs 3404'
 T. Cliff House 4968'
 T. Menefee 5188'
 T. Point Lookout 5560'
 T. Mancos 6050'
 T. Gallup 6742'
 Base Greenhorn 7504'
 T. Dakota 7695'
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. Lewis 3502'
 T. Hrnito. Bnt. 3976'
 T. Chacra 4362'
 T. Graneros 7562'
 T. _____
 T. _____
 T. _____
 T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____
 No. 2, from _____ to _____ feet _____
 No. 3, from _____ to _____ feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness
in Feet | Lithology | From | To | Thickness
in Feet | Lithology |
|------|------|----------------------|--|------|------|----------------------|--|
| 2768 | 2892 | | White, cr-gr ss. | 5560 | 6050 | | Dark gry carb sh. |
| 2892 | 3005 | | Gry sh interbedded w/tight, gry,
fine-gr ss | 6050 | 6742 | | Lt gry to brn calc carb micac glauc
silts & very fine gr gry ss w/irreg.
interbedded sh |
| 3005 | 3404 | | Dk gry-gry carb sh, coal, grn silts,
light-med gry, tight, fine gr ss | 6742 | 7504 | | Highly calc gry sh w/thin lmst |
| 3404 | 3502 | | Bn-gry, fine grn, tight ss | 7504 | 7562 | | Dk gry shale, fossil & carb
w/pyrite incl |
| 3502 | 3976 | | Shale w/siltstone stringers | 7562 | 7695 | | Lt to dk gry foss carb sl calc sl
silty ss w/pyrite incl thin sh bands
clay & shale breaks |
| 3976 | 4362 | | White, waxy chalky bentonite | | | | |
| 4362 | 4968 | | Gry fn grn silty, glauconitic sd
stone w/drak gry shale | | | | |
| 4968 | 5074 | | ss. Gry, fine-grn, dense sil ss. | | | | |
| 5074 | 5188 | | Med-dark gry, fine gr ss, carb sh
& coal | | | | |
| 5188 | 5560 | | Med-light gry, very fine gr ss
w/frequent sh breaks in lower part
of formation | | | | |