

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

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 87504-2088

RECEIVED
APR - 2 1998
OIL CON. DIV.
DIST. 3

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL API NO.

30-039-25703

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-290-42

7. Lease Name or Unit Agreement Name

San Juan 28-6 Unit

8. Well No.

#169M

9. Pool name or Wildcat

Blanco MV/Basin DK

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-1818

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address of Operator

PO BOX 4289, Farmington, NM 87499

4. Well Location

Unit Letter I : 1680 Feet From The South Line and 800 Feet From The East Line

Section 2 Township 27N Range 6W NMPM Rio Arriba County, NM

| | | | | |
|---|----------------------------------|---|---|--------------------------|
| 10. Date Spudded 1/17/98 | 11. Date T.D. Reached 1/24/98 | 12. Date Compl. (Ready to Prod.) 3/26/98 | 13. Elevations (DF&RKB, RT, GR, etc.) 6508 GL, 6520 KB | 14. Elev. Casinghead |
| 15. Total Depth 7,747' | 16. Plug Back T.D. 7,741' | 17. If Multiple Compl. How Many Zones? 2 | 18. Intervals Drilled By | Rotary Tools 0-7,747' |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name 4,831' to 5,802' Mesaverde Commingled w/Dakota | | | 20. Was Directional Survey Made | |
| 21. Type Electric and Other Logs Run CNL/GR | | | 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 PULLE |
|-------------|---------------|-----------|-----------|------------------|--------------|
| 9 5/8 | 32.3# | 233' | 12 1/4 | 260 cu ft | |
| 7 | 20# | 3524' | 8 3/4 | 1026 cu ft | |
| | | | | | |
| | | | | | |
| | | | | | |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | 25. TUBING RECORD |
|-------|-------|--------|--------------|--------|---------------------------|
| 4 1/2 | 2737' | 7744' | 622 cu ft | | SIZE DEPTH SET PACKER SET |
| | | | | | 2 3/8 7688' |

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

4831, 4849, 4868, 4877, 4941, 4948, 4952, 4969, 4984, 4991, 5000, 5016, 5022, 5034, 5042, 5050, 5066, 5075, 5108, 5114, 5168, 5192, 5209, 5254, 5260, 5275, 5394, 5447, 5453, 5464, 5468, 5486, 5492, 5500, 5506, 5520, 5526, 5540, 5548, 5557, 5566, 5583, 5593, 5600, 5633, 5658, 5671, 5709, 5763, 5779, 5789, 5802

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|---|
| 4,831 to 5,275 | 1,802 bbl slk wtr, 100,000 # 20/40 AZ snd |
| 5,394 to 5,802 | 2,110 bbl slk wtr, 100,000 # 20/40 AZ snd |

28. PRODUCTION

| | | | | | | | |
|----------------------------------|--|-------------------------|--------------------------------------|------------|------------|--------------|-----------------------------|
| Date First Production 3/26/98 | Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing | | Well Status (Prod. or Shut-in) SI | | | | |
| Date of Test 3/26/98 | Hours Tested | Choke Size | Prod'n for Test Period | Oil - Bbl. | Gas - MCF. | Water - Bbl. | Gas - Oil Ratio |
| Flow Tubing Press. SI 568 | Casing Pressure SI 887 | Calculated 24-Hour Rate | | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) |

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

Peggy Bradfield

Printed

Name Peggy Bradfield

Title

Regulatory Administrator

Date 3/31/98

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 2512'
 T. Kirtland-Fruitland 2625'-2910'
 T. Pictured Cliffs 3277'
 T. Cliff House 4828'
 T. Menefee 5053'
 T. Point Lookout 5440'
 T. Mancos 5805'
 T. Gallup 6698'
 Base Greenhorn 7400'
 T. Dakota 7627'
 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 Otzite _____
 T. Granite _____
 T. Lewis 3370'
 T. Hrnito. Bnt. 3820'
 T. Chacra 3855'
 T. Graneros 7495'
 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 |
|------|------|----------------------|--|------|------|----------------------|--|
| 2512 | 2625 | | White, cr-gr ss. | 5805 | 6698 | | Dark gry carb sh. |
| 2625 | 2910 | | Gry sh interbedded w/tight, gry, fine-gr ss | 6698 | 7400 | | Lt gry to bn calc carb micac glau silt & very fine gr gry ss w/irreg. interbedded sh |
| 2910 | 3277 | | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss | 7400 | 7495 | | Highly calc gry sh w/thin lmst |
| 3277 | 3370 | | Bn-gry, fine grn, tight ss | 7495 | 7627 | | Dk gry shale, fossil & carb w/pyrite incl |
| 3370 | 3820 | | Shale w/siltstone stringers | 7627 | 7747 | | Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks |
| 3820 | 3855 | | White, waxy chalky bentonite | | | | |
| 3855 | 4828 | | Gry fn grn silty, glauconitic sd stone w/drak gry shale | | | | |
| 4828 | 5053 | | ss. Gry, fine-grn, dense sil ss. | | | | |
| 5053 | 5440 | | Med-dark gry, fine gr ss, carb sh & coal | | | | |
| 5440 | 5805 | | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation | | | | |

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State Lease - 6 copies

Fee Lease - 5 copies

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P.O. Drawer DD, Artesia, NM 88210

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E-290-42

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San Juan 28-6 Unit

8. Well No.

#169M

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-1818

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address of Operator

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Unit Letter I : 1680 Feet From The South Line and 800 Feet From The East Line

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10. Date Spudded 1/17/98 11. Date T.D. Reached 1/24/98 12. Date Compl. (Ready to Prod.) 3/26/98 13. Elevations (DF&RKB, RT, GR, etc.) 6508 GL, 6520 KB 14. Elev. Casinghead

15. Total Depth 7,747' 16. Plug Back T.D. 7,741' 17. If Multiple Compl. How Many Zones? 2 18. Intervals Drilled By 0-7,747' Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 7,504' to 7,720' Dakota Commingled w/Mesaverde 20. Was Directional Survey Made

21. Type Electric and Other Logs Run CNL/GR 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# | 233' | 12 1/4 | 260 cu ft | |
| 7 | 20# | 3524' | 8 3/4 | 1026 cu ft | |
| | | | | | |
| | | | | | |

| 24. LINER RECORD | | | | 25. TUBING RECORD | | |
|------------------|-------|--------|--------------|-------------------|-------|-----------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET |
| 4 1/2 | 2737' | 7744' | 622 cu ft | | 2 3/8 | 7688' |
| | | | | | | |

| 26. Perforation record (interval, size, and number) | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |
|--|---|
| 7504, 7519, 7538, 7550, 7565, 7630, 7636, 7642, 7648, 7674, 7681, 7695, 7704, 7711, 7716, 7720 | |
| | DEPTH INTERVAL |
| | 7504' to 7,720' |
| | AMOUNT AND KIND MATERIAL USED |
| | 959 bbl X-Link gel, 90,000 # 20/40 LC Tempered sand |
| | |
| | |

28. PRODUCTION

| Date First Production | Production Method (Flowing, gas lift, pumping - Size and type pump) | | | | Well Status (Prod. or Shut-in) | |
|-----------------------|---|-------------------------|------------------------|------------|--------------------------------|-----------------------------|
| 3/26/98 | Flowing | | | | SI | |
| Date of Test | Hours Tested | Choke Size | Prod'n for Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. |
| 3/26/98 | | | | | 97 PITOT GAUGE | |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) |
| SI 568 | SI 887 | | | | | |

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 3/31/98

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Southeastern New Mexico

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|--------------------|------------------|
| 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 |
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| 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 2512' | T. Penn. "B" |
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| T. Entrada | T. Graneros 7495' |
| 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 |
|------|------|----------------------|--|------|------|----------------------|--|
| 2512 | 2625 | | White, cr-gr ss. | 5805 | 6698 | | Dark gry carb sh. |
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| 2910 | 3277 | | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss | 7400 | 7495 | | Highly calc gry sh w/thin lmst |
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| 3370 | 3820 | | Shale w/siltstone stringers | 7627 | 7747 | | Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks |
| 3820 | 3855 | | White, waxy chalky bentonite | | | | |
| 3855 | 4828 | | Gry fn grn silty, glauconitic sd stone w/drck gry shale | | | | |
| 4828 | 5053 | | ss. Gry, fine-grn, dense sil ss. | | | | |
| 5053 | 5440 | | Med-dark gry, fine gr ss, carb sh & coal | | | | |
| 5440 | 5805 | | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation | | | | |