

DATE IN 9/6/00	ENGINEER MS	LOGGED KN	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

25038640

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling

X NSL NSP DD SD

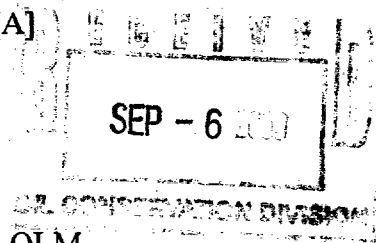
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

WFX PMX SWD IPI EOR PPR



[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] X Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Peggy Cole

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

Sent Federal Express

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Carson SRC #102
2435'FSL, 2075'FWL Section 2, T-30-N, R-5-W, Rio Arriba County
30-039-26385

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal.

This location was staked at the referenced location at the request of the Carson National Forest to minimize the cut-and-fill deviation and the surface disturbance for the access road. This well was inadvertently drilled and completed prior to receiving an order for the non-standard location.

Production from the Fruitland Coal pool is to be included in a 318.79 acre gas spacing and proration unit for the west half (W/2) in Section 2.

The following attachments are for your review:

- Application for Permit to Drill
- Completed C-102 at referenced location.
- Offset operators/owners plat
- Topographic map
- Completion report

Schalk Development Company is the offset operator/owner of the east half (E/2) of Section 2. Attached is a signed waiver of objection from Schalk Development.

Sincerely,



Peggy Cole
Regulatory Supervisor

xc: NMOCD - Aztec District Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PERMIT NO. APPROVAL DATE
APPROVED BY Marki Leech TITLE PMT Train Lead DATE 5/4/00
ACTING

CONCLUSION

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, 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

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 30-039-	*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 18492	*Property Name CARSON SRC	*Well Number 102
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 6493'

¹⁰ Surface Location


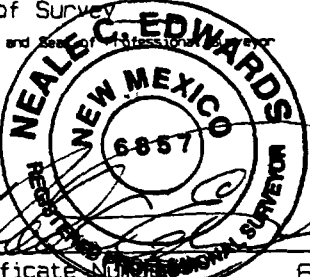
UL or lot no. K	Section 2	Township 30N	Range 5W	Lot Idn	Feet from the 2435	North/South line SOUTH	Feet from the 2075	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres W/318.79	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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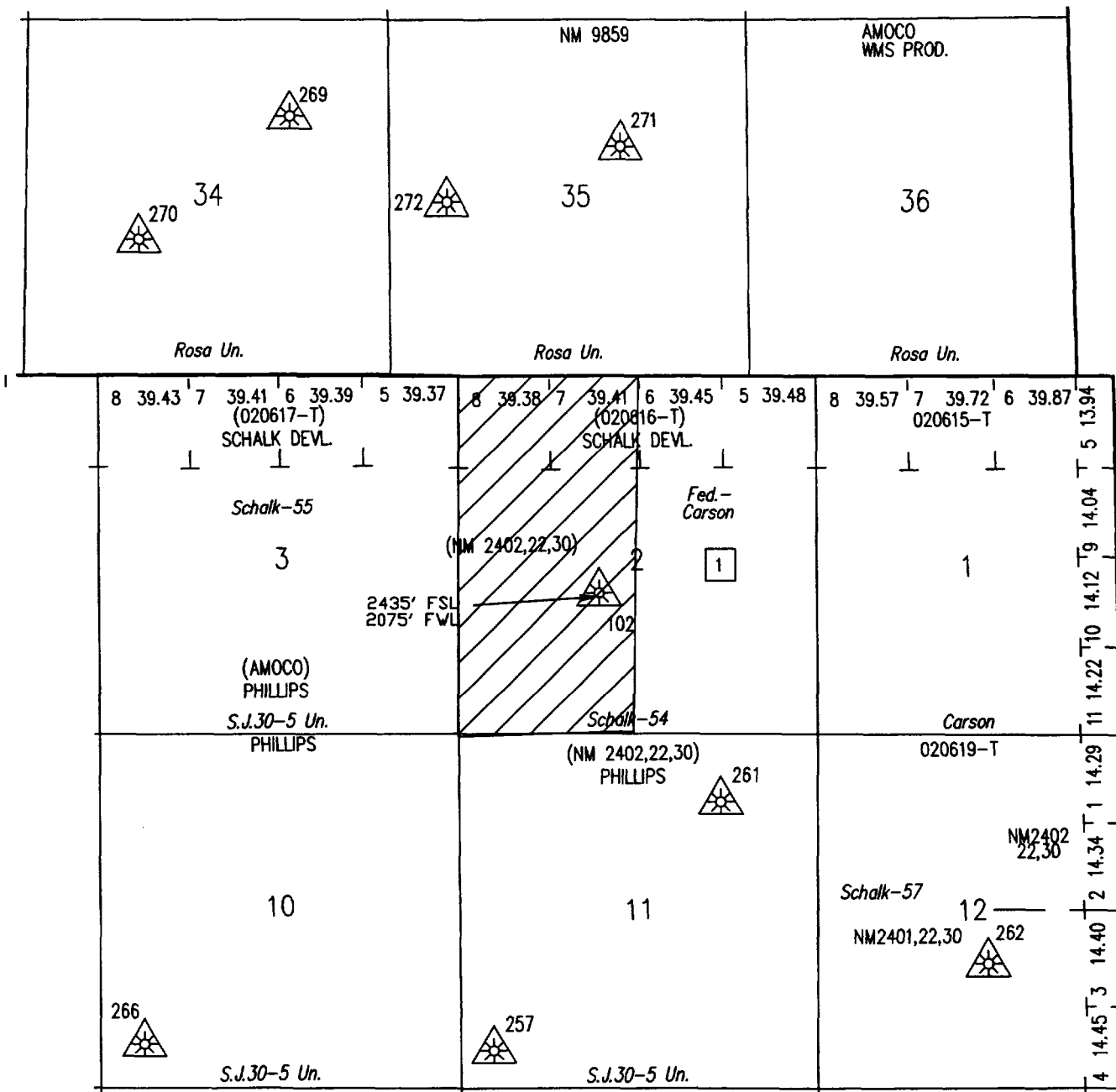
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 1298.88' LOT 8 1320.00' 1320.00' 1320.00'	5280.00' LOT 7 USA NM-4454 2075' 2 2435' 5260.20'	LOT 6 LOT 5 1303.50' 1320.00' 1320.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Cole Printed Name Regulatory Administrator Title Date DECEMBER 10, 1999 Date of Survey  Signature and Seal of Professional Surveyor Certificate No. 6857
--	---	--	--

BURLINGTON RESOURCES OIL AND GAS COMPANY

Carson SRC #102
Section 2, T-30-N, R-5-W
OFFSET OPERATOR/OWNER PLAT

Nonstandard Location
Fruitland Coal Formation Well

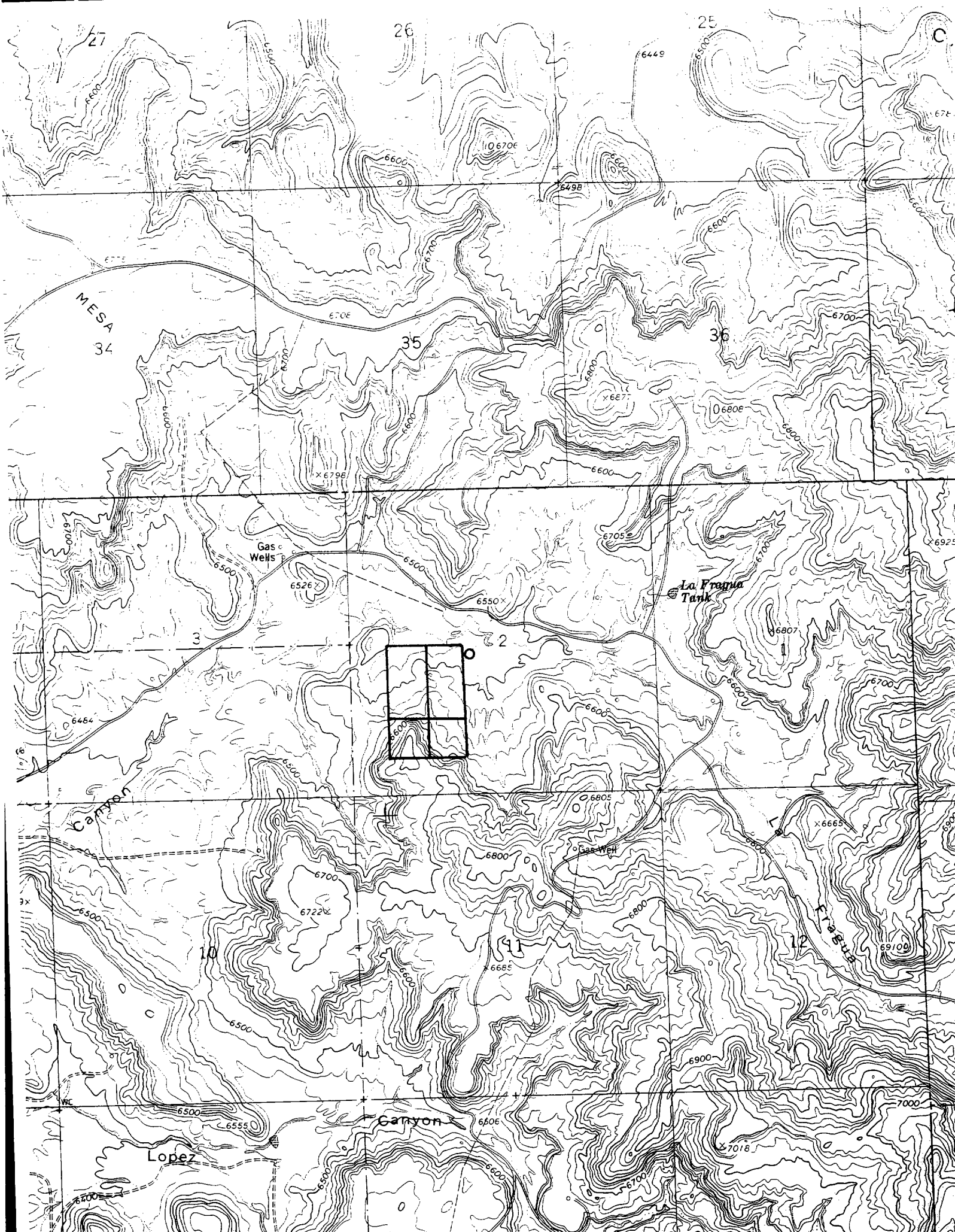


1

Schalk Development Company
PO Box 25825
Albuquerque, New Mexico 87125
Attention: Martha Schalk



Proposed Well



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.
NM-4454

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Carson SRC #102

9. API WELL NO.

30-039-26385

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 2, T-30-N, R-5-W

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ 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 2435°FSL, 2075°FWL,

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

7-7-00

16. DATE T.D. REACHED

7-12-00

17. DATE COMPL. (Ready to prod.)

8-9-00

18. ELEVATIONS (DF, RKB, RT, BR, ETC.)*

6493'GR, 6505'KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3302'

21. PLUG, BACK T.D., MD & TVD

3301'

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-3302'

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

3161-3301 Fruitland Coal

25. WAS DIRECTIONAL
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

No

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"	32.3#	225'	12 1/4"	649 cu.ft.	
7"	20#	3163'	8 3/4"	1096 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	3125'	3302'	none		2 3/8"	3295'	

30. TUBING RECORD

PERFORATION RECORD (Interval, size and number)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
3171-3235', 3256-3301'	
	DEPTH INTERVAL (MD)
	AMOUNT AND KIND OF MATERIAL USED
	3171-3301'
	none

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL		GAS-OIL RATIO
8-8-00	1		→		514 MCF/D Pitot Gauge			
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL		OIL GRAVITY-API (CORR.)	
SI 900	SI 950	→		514 MCF/D				

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

To be sold

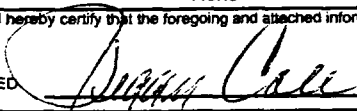
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

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

SIGNED



TITLE Regulatory Supervisor

DATE 8-11-00

*(See Instructions and Spaces 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 of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Aug-25-2000 09:55am From-BURLINGTON RESOURCES

+5053266882

T-881 P 002/004 F-882

**BURLINGTON
RESOURCES**

SAN JUAN DIVISION

August 24, 2000

Schalk Development Company
Post Office Box 25825
Albuquerque, New Mexico 87125
Att: Martha Schalk

Re: Carson SRC #102
2435'FSL, 2075'FWL Section 2, T-30-N, R-5-W, Rio Arriba County
30-039-26385

Dear Ms. Schalk:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal.

The Carson SRC #102 was staked at the referenced location at the request of the Carson National Forest to minimize the cut-and-fill deviation and the surface disturbance for the access road. This well was drilled and completed prior to receiving an order for the non-standard location.

Production from the Fruitland Coal pool is to be included in a 318.79 acre gas spacing and proration unit for the west half (W/2) of Section 2.

Burlington Resources is notifying you by certified mail as an offsetting interest owner in the east half (E/2) of Section 2. Attached are two copies of this letter. We are requesting that you sign one copy of this waiver below and return it to us within the twenty days as stated in New Mexico Oil Conservation Division Rule 104.F(4). Also attached for your information is a copy of the C102 Well Location Plat, and a map showing the offsetting operators/owners.

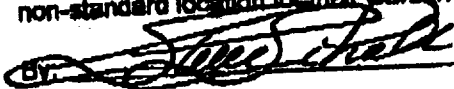
Sincerely,



Peggy Cole
Regulatory Supervisor

WAIVER

Schalk Development Company hereby waives objection to Burlington Resources' application for a non-standard location for their Carson SRC #102 as proposed above.

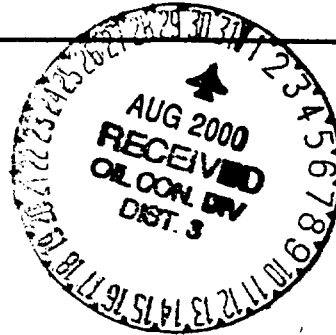


Date: 8/28/00

BURLINGTON RESOURCES

SAN JUAN DIVISION

SEP - 6 2000



Sent Federal Express

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Carson SRC #102
2435' FSL, 2075' FWL Section 2, T-30-N, R-5-W, Rio Arriba County
30-039-26385

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal.

This location was staked at the referenced location at the request of the Carson National Forest to minimize the cut-and-fill deviation and the surface disturbance for the access road. This well was inadvertently drilled and completed prior to receiving an order for the non-standard location.

Production from the Fruitland Coal pool is to be included in a 318.79 acre gas spacing and proration unit for the west half (W/2) in Section 2.

The following attachments are for your review:

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- Completed C-102 at referenced location.
- Offset operators/owners plat
- Topographic map
- Completion report

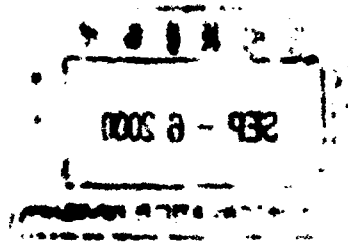
Schalk Development Company is the offset operator/owner of the east half (E/2) of Section 2. Attached is a signed waiver of objection from Schalk Development.

Sincerely,

A handwritten signature in cursive script, appearing to read "Peggy Cole".

Peggy Cole
Regulatory Supervisor

xc: NMOCD - Aztec District Office
Bureau of Land Management



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-4454 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Carson SRC 9. Well Number 102
4. Location of Well 2435' FSL, 2075' FWL Latitude 36° 50.5, Longitude 107° 19.7	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 2, T-30-N, R-5-W API # 30-039-26385
14. Distance in Miles from Nearest Town 10 miles from Gobernador	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2075'	
16. Acres in Lease	17. Acres Assigned to Well 318.79 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2500'	
19. Proposed Depth 3288'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6493' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS SHALL BE SUBJECT TO BLM APPROVAL WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	Date <i>2-23-00</i>

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

OPERATOR

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, 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

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 30-039-		Pool Code 71629		Pool Name Basin Fruitland Coal	
Property Code 18492		Property Name CARSON SRC			Well Number 102
GRID No. 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			Elevation 6493'

¹⁰ Surface Location

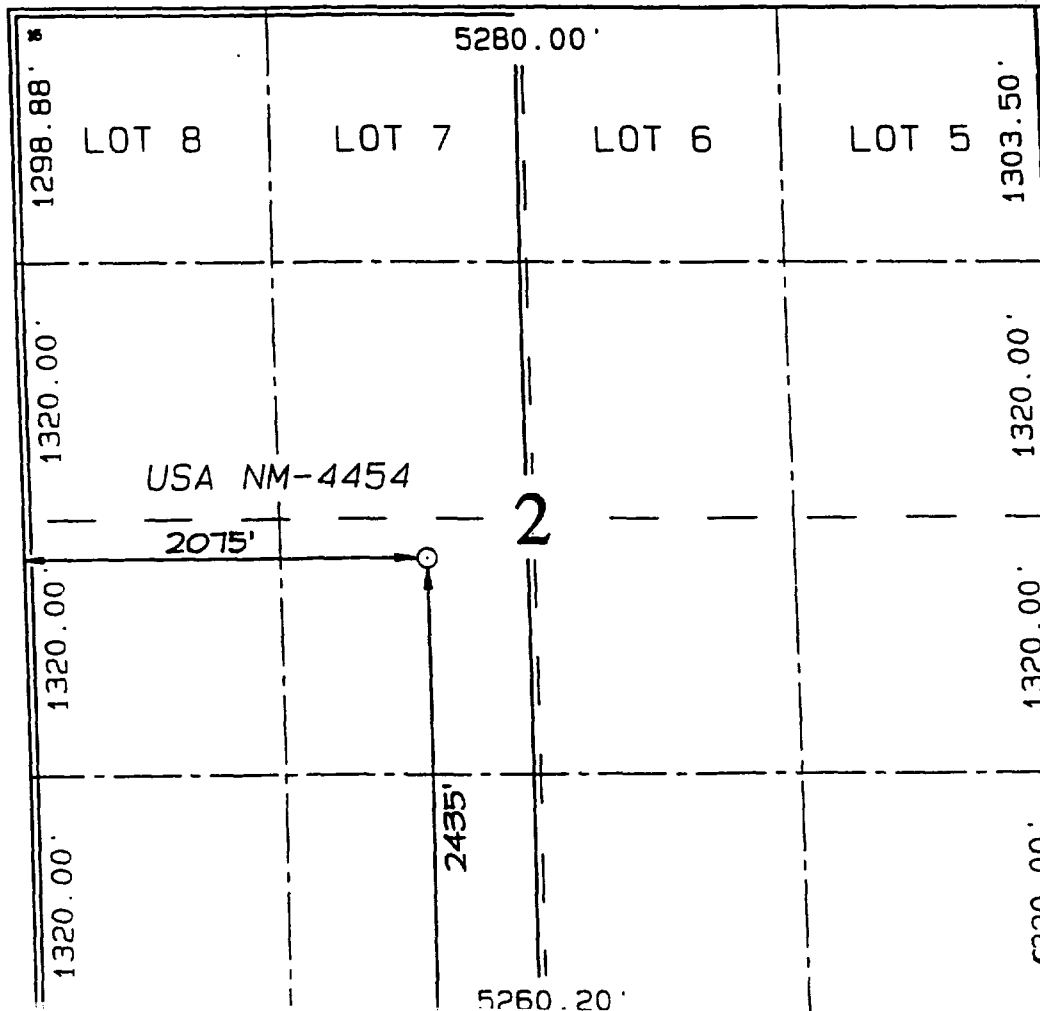
UL or lot no. K	Section 2	Township 30N	Range 5W	Lot Idn	Feet from the 2435	North/South line SOUTH	Feet from the 2075	East/West line WEST	County RIO ARriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres W/318.79	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Cole
Signature

Peggy Cole
Printed Name
Regulatory Administrator
Title

Date

¹⁸ SURVEYOR CERTIFICATION

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

DECEMBER 10, 1999

Date of Survey

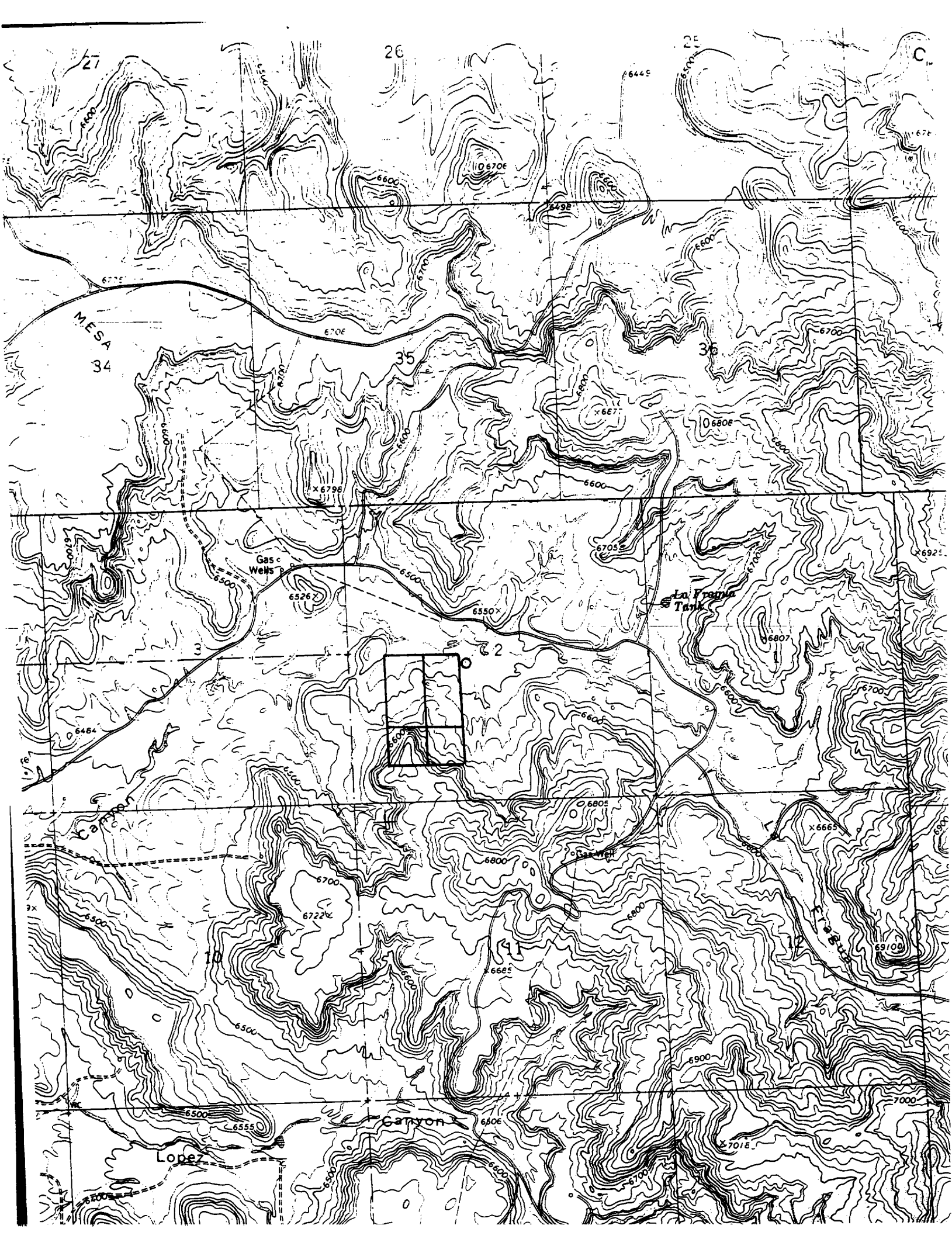
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
Professional Surveyor
Certificate Number 685

Carson SRC #102
Section 2, T-30-N, R-5-W
OFFSET OPERATOR/OWNER PLAT

<p>NM 9859</p> <p>269</p> <p>270</p> <p>34</p> <p>Rosa Un.</p>	<p>271</p> <p>272</p> <p>35</p> <p>Rosa Un.</p>	<p>AMOCO WMS PROD.</p> <p>36</p> <p>Rosa Un.</p>
<p>8 39.43 7 39.41 6 39.39 5 39.37</p> <p>(020617-T) SCHALK DEVL.</p> <p>Schalk-55</p> <p>3</p> <p>(AMOCO) PHILLIPS</p> <p>S.J.30-5 Un. PHILLIPS</p> <p>266</p> <p>S.J.30-5 Un.</p>	<p>8 39.38 7 39.41 6 39.45 5 39.48</p> <p>(020616-T) SCHALK DEVL.</p> <p>Fed.- Carson</p> <p>(NM 2402,22,30)</p> <p>2435' FSL 2075' FWL</p> <p>102</p> <p>Schalk-54</p> <p>(NM 2402,22,30) PHILLIPS</p> <p>261</p> <p>257</p> <p>S.J.30-5 Un.</p>	<p>8 - 39.57 7 39.72 6 39.87</p> <p>020615-T</p> <p>1</p> <p>Carson</p> <p>020619-T</p> <p>Schalk-57</p> <p>NM2401,22,30</p> <p>262</p>
<p>10</p>	<p>11</p>	<p>12</p>

Proposed Well



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM-4454

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Carson SRC #102

9. API WELL NO.

30-039-26385

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 2, T-30-N, R-5-W

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ 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 2435'FSL, 2075'FWL,

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

7-7-00

16. DATE T.D. REACHED

7-12-00

17. DATE COMPL. (Ready to prod.)

8-9-00

18. ELEVATIONS (OF, RKB, RT, BR, ETC.)*

6493'GR, 6505'KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3302'

21. PLUG. BACK T.D., MD & TVD

3301'

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-3302'

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

3161-3301 Fruitland Coal

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

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"	32.3#	225'	12 1/4"	649 cu.ft.	
7"	20#	3163'	8 3/4"	1096 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	3125'	3302'	none		2 3/8"	3295'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3171-3235', 3256-3301'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3171-3301'	none

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL		GAS-OIL RATIO
8-8-00	1		→		514 MCF/D Pitot Gauge			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL		GAS—MCF	WATER—BBL		OIL GRAVITY-API (CORR.)
SI 900	SI 950	→			514 MCF/D			

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

To be sold

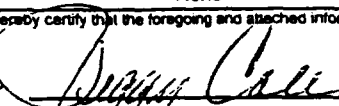
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

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

SIGNED



TITLE Regulatory Supervisor

DATE 8-11-00

*(See Instructions and Spaces 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 of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

AUG-28-2000 09:55am From-BURLINGTON RESOURCES

505326883

T-881 P:002/004 F-002

BURLINGTON RESOURCES

SAN JUAN DIVISION

August 24, 2000

Schalk Development Company
Post Office Box 25825
Albuquerque, New Mexico 87125
Attn: Martha Schalk

Re: Carson SRC #102
2435'FSL, 2075'FWL Section 2, T-30-N, R-5-W, Rio Arriba County
30-039-26385

Dear Ms. Schalk:

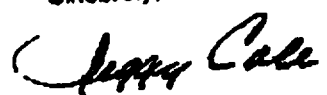
Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal.

The Carson SRC #102 was staked at the referenced location at the request of the Carson National Forest to minimize the cut-and-fill deviation and the surface disturbance for the access road. This well was drilled and completed prior to receiving an order for the non-standard location.

Production from the Fruitland Coal pool is to be included in a 318.79 acre gas spacing and proration unit for the west half (W/2) of Section 2.

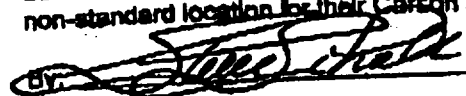
Burlington Resources is notifying you by certified mail as an offsetting interest owner in the east half (E/2) of Section 2. Attached are two copies of this letter. We are requesting that you sign one copy of this waiver below and return it to us within the twenty days as stated in New Mexico Oil Conservation Division Rule 104.F(4). Also attached for your information is a copy of the C102 Well Location Plat, and a map showing the offsetting operators/owners.

Sincerely,


Peggy Cole
Regulatory Supervisor

WAIVER

Schalk Development Company hereby waives objection to Burlington Resources' application for a non-standard location for their Carson SRC #102 as proposed above.

By:  Date: 8/28/00

Microsoft TerraServer

Display Image

USGS Topo Map

382 km SW of Denver, Colorado, United States 01 Jul 1982

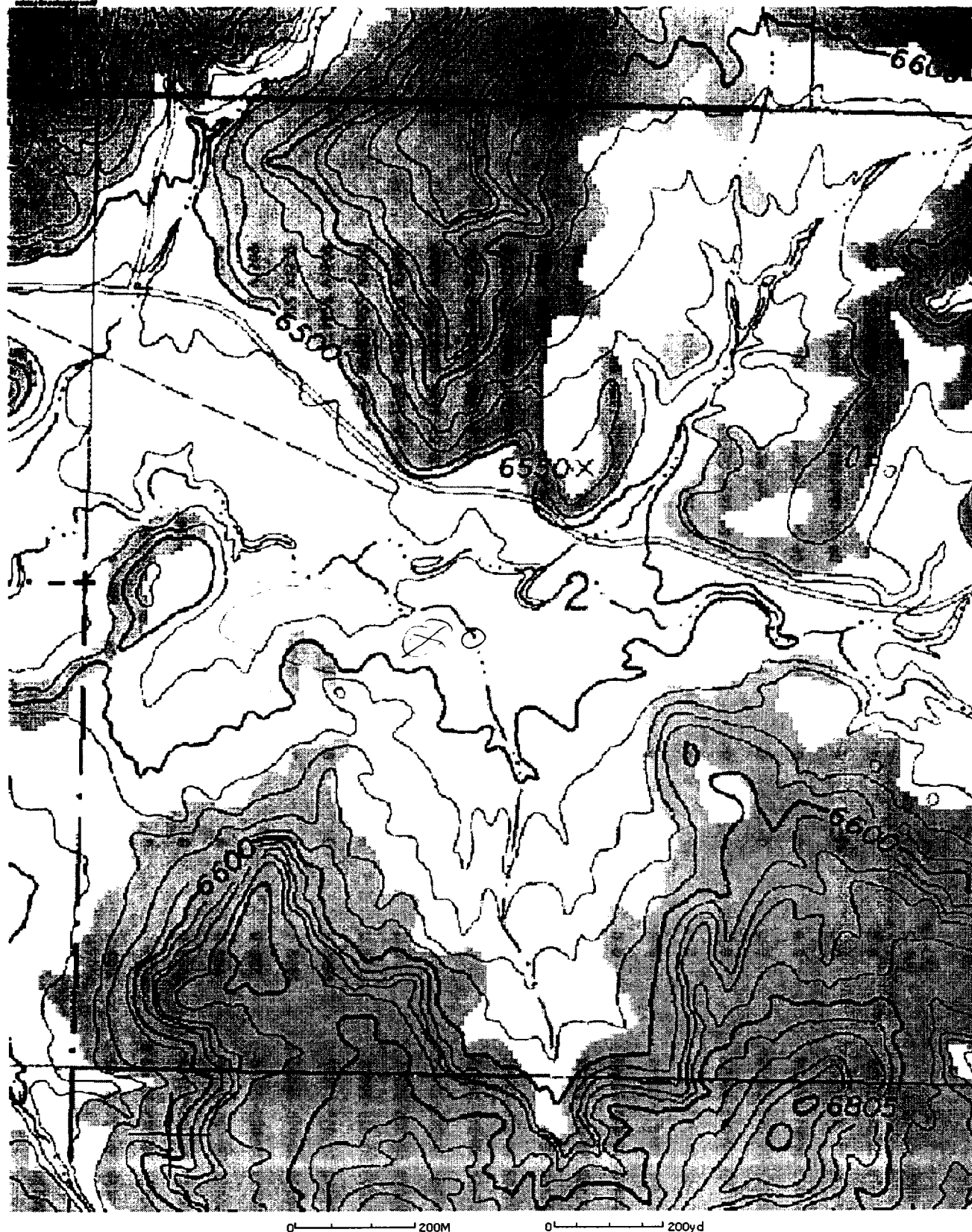


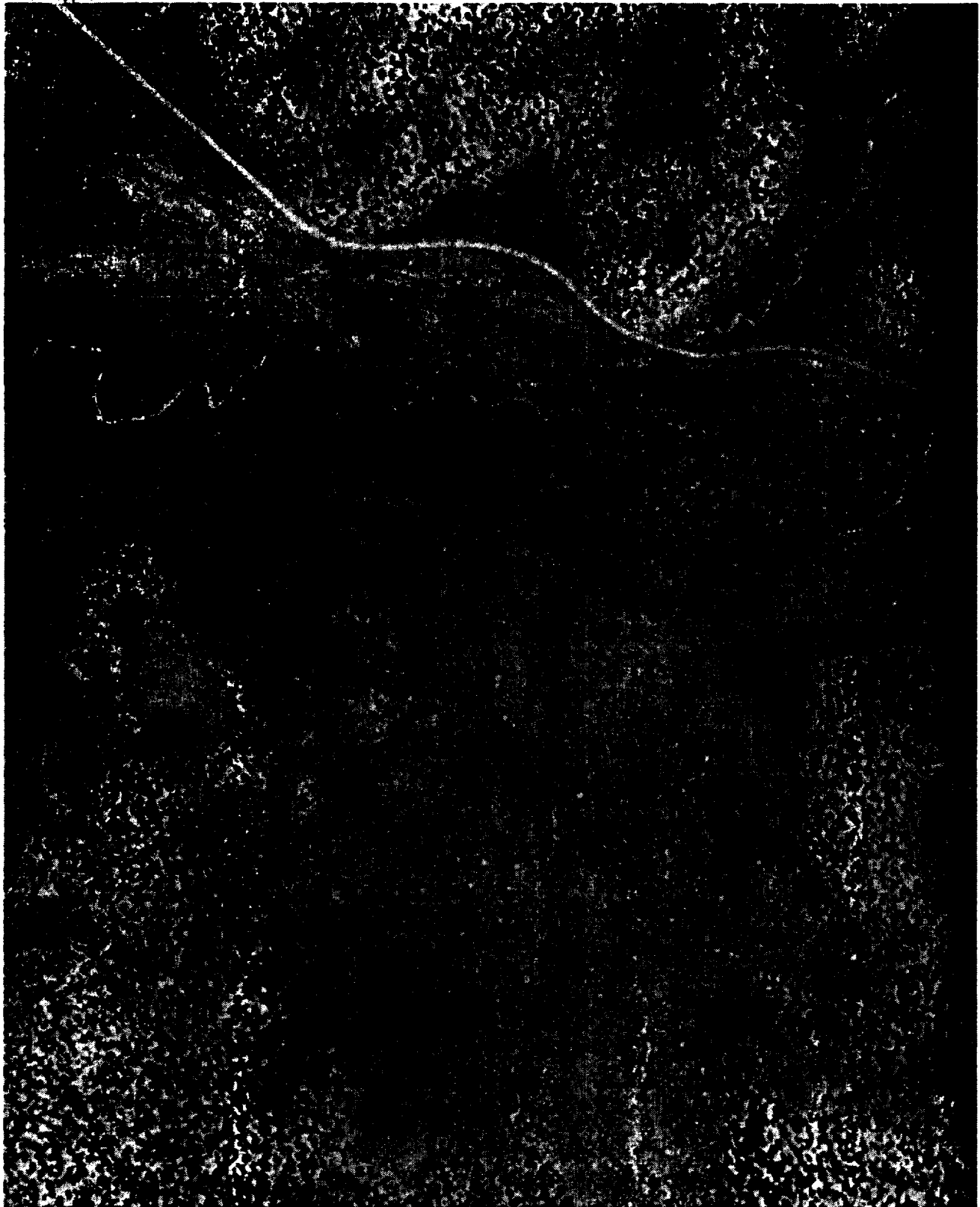
Image courtesy of the US Geological Survey.

Microsoft TerraServer

Display Image

USGS Aerial Photograph

382 km SW of Denver, Colorado, United States 01 Jun 1992



0 100M

0 100yd

Image courtesy of the US Geological Survey.

CMD : ONGARD 10/18/00 15:04:44
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQKM

API Well No : 30 39 26385 Eff Date : 08-09-2000 WC Status : A
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 18492 CARSON SRC

Well No : 102
GL Elevation: 6493

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : K	2	30N	05W	FTG 2435	F S	FTG 2075	F W P

Lot Identifier:

Dedicated Acre: 318.79

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION10/18/00 15:03:46
OGOMES -TQKM
PAGE NO: 1

Sec : 02 Twp : 30N Rng : 05W Section Type : NORMAL

8 39.38 Federal owned	7 39.41 Federal owned	6 39.45 Federal owned	5 39.48 Federal owned
E 40.00 Federal owned A	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned A A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

1
3938
3941

78.79
8

158.79
16

318.79

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

10/18/00 15:03:53
OGOMES -TQKM
PAGE NO: 2

Sec : 02 Twp : 30N Rng : 05W Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Federal owned	Federal owned	Federal owned	Federal owned
	A		A A
M 40.00	N 40.00	O 40.00	P 40.00
Federal owned	Federal owned	Federal owned	Federal owned

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-4454																															
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																															
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY		7. UNIT AGREEMENT NAME																															
3. ADDRESS AND TELEPHONE NO. PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. FARM OR LEASE NAME, WELL NO. Carson SRC #102																															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2435'FSL, 2075'FWL, At top prod. interval reported below At total depth		9. API WELL NO. 30-039-26385																															
14. PERMIT NO. DATE ISSUED SEP 2000 RECEIVED OIL CON. DIV. DIST. 3		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal																															
15. DATE SPURRED 7-7-00		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 2, T-30-N, R-5-W																															
16. DATE T.D. REACHED 7-12-00		12. COUNTY OR PARISH Rio Arriba																															
17. DATE COMPL. (Ready to prod.) 8-9-00		13. STATE New Mexico																															
18. ELEVATIONS (DF, RKB, RT, BR, ETC.)* 6493'GR, 6505'KB		19. ELEV. CASINGHEAD																															
20. TOTAL DEPTH, MD & TVD 3302'		21. PLUG, BACK T.D., MD & TVD 3301'																															
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-3302'																															
24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 3161-3301 Fruitland Coal		25. WAS DIRECTIONAL SURVEY MADE																															
26. TYPE ELECTRIC AND OTHER LOGS RUN None		27. WAS WELL CORED No																															
28. CASING RECORD (Report all strings set in well)																																	
<table border="1"><thead><tr><th>CASING SIZE/GRADE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>TOP OF CEMENT, CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>9 5/8"</td><td>32.3#</td><td>225'</td><td>12 1/4"</td><td>649 cu.ft.</td><td></td></tr><tr><td>7"</td><td>20#</td><td>3163'</td><td>8 3/4"</td><td>1096 cu.ft.</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED	9 5/8"	32.3#	225'	12 1/4"	649 cu.ft.		7"	20#	3163'	8 3/4"	1096 cu.ft.													
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7"	20#	3163'	8 3/4"	1096 cu.ft.																													
29. LINER RECORD																																	
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2 3/8"	3295'																																
31. PERFORATION RECORD (Interval, size and number) 3171-3235', 3256-3301'																																	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																	
<table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>3171-3301'</td><td>none</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	3171-3301'	none																										
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33. PRODUCTION																																	
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	Flowing	SI																															
<table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N FOR TEST PERIOD</th><th>OIL—BBL</th><th>GAS—MCF</th><th>WATER—BBL</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>8-8-00</td><td>1</td><td></td><td></td><td></td><td>514 MCF/D Pitot Gauge</td><td></td><td></td></tr></tbody></table>				DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO	8-8-00	1				514 MCF/D Pitot Gauge																
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8-8-00	1				514 MCF/D Pitot Gauge																												
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SI 900	SI 950			514 MCF/D																													
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold																																	
35. LIST OF ATTACHMENTS None																																	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																	

ACCEPTED FOR RECORD

SEP 15 2000

SIGNED [Signature] TITLE Regulatory Supervisor DATE 8-11-00

*(See Instructions and Spaces 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 of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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, FC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2685'	2785'	White, cr-gr sand			
Kirtland	2785'	3095'	Gry sh interbedded w/tight, gry, fine-gr ss.	Ojo Alamo	2685'	
Fruitland	3095'	3302'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Kirtland	2785'	
				Fruitland	3095'	

38.

Subm Copies
Appro ate District Office
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 2088
Santa Fe, New Mexico 87504-2088

Form C-10
Revised 2-21-9
Instruction on bac
Submit to Appropriate District Office
5 Cople

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1. Operator Name and Address Burlington Resources Oil & Gas Company PO Box 4289 Farmington, New Mexico 87499		OGRID Number 14538	
4. API Number 30-039-26385		5. Pool Name Basin Fruitland Coal	
7. Property Code 18492		8. Property Name Carson SRC	
6. Pool Code 71629		9. Well Number 102	

10. Surface Location

UI or lot no. K	Section 2	Township 30N	Range 5W	Lot Idn	Feet from the 2435'	North/South line South	Feet from the 2075'	East/West line West	County Rio Arriba
--------------------	--------------	-----------------	-------------	---------	------------------------	---------------------------	------------------------	------------------------	----------------------

11. Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12. Ise Code F	13. Producing Method Code Flowing	14. Gas Connection Date	15. C-129 Permit Number	16. C-129 Effective Date	17. C-129 Expiration date
-------------------	--------------------------------------	-------------------------	-------------------------	--------------------------	---------------------------

III. Oil and Gas Transporters

18. Transporter OGRID 9018	19. Transporter Name and Address Giant Refining	20. POD 2826560	21. O/G O	22. POD ULSTR Location and Description
25244	Williams Field Services	2826561	G	

IV. Produced Water

23. POD 2826562	24. POD ULSTR Location and Description
--------------------	--

V. Well Completion Data

25. Spud Date 7/7/00	26. Ready Date 8/9/00	27. TD 3302'	28. PBSD 3301'	29. Perforations 3161-3301'	30. DHC, DC, MC
30. Hole Size 12 1/4"	31. Casing & Tubing Size 9 5/8"	32. Depth Set 225	33. Sacks Cement 649 cu.ft.		
8 3/4"	7"	3163'	1096 cu.ft.		
6 1/4"	5 1/2"	3125-3302'	none		
	2 3/8"	3295'			

VI. Well Test Data

34. Date New Oil	36. Test Date 8/9/00	37. Test Length	38. Tbg. Pressure SI 900	39. Csg. Pressure SI 950
40. Choke Size	41. Oil	42. Water	43. Gas 514	44. AOF
				45. Test Method Shut-in

46. I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Peggy Cole

Regulatory Supervisor

8/11/00

Telephone No. (505) 326-9700

9-21-00

OIL CONSERVATION DIVISION

Approved by:

Title:

SUPERVISOR DISTRICT #3

Approval Date:

SEP 21 2000

47. If this is a change of operator fill in the OGRID number and name of the previous operator

Printed Name

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports of Wells 12 PM 2:58

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

2435' FSL, 2075' FWL, Sec.2, T-30-N, R-5-W, NMPM

5. Lease Number
NM-44546. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Carson SRC #1029. API Well No.
30-039-2638510. Field and Pool
Basin Fruitland Coal11. 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

☐ Notice of Intent☐ Abandonment☐ Change of Plans☒ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other - Spud

13. Describe Proposed or Completed Operations

7-7-00 MIRU. Spud well @ 9:30 p.m. 7-7-00. Drill to 247'. Circ hole clean. TOOH.

7-8-00 TIH w/5 jts 9 5/8" 32.3# H-40 ST&C csg, set @ 225'. Pump 20 bbl wtr ahead.

Cmtd w/550 sx Class "B" neat cmt w/3% calcium chloride, 0.25 pps Flocele

(649 cu.ft.). Lost returns. Displaced w/16 bbl wtr. No cmt circ to

surface. Pump 65 sx Class "B" neat cmt w/3% calcium chloride, 0.25 pps

Flocele (77 cu.ft.) down 1" tbg. Circ cmt to surface. WOC.

7-9-00 NU BOP. PT BOP & csg to 600 psi/30 min, OK. Drilling ahead.

APD ROW related

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

Signed Vancy Oltenans Title Regulatory SupervisorDate SEP 15 2000 ACCEPTED FOR RECORD

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date SEP 15 2000

CONDITION OF APPROVAL, if any:

FARMINGTON FIELD OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells 2000 AUG -2 PM 2:15

070 FARMINGTON, NM Lease Number NM-4454

1. Type of Well
GAS

6. If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number
Carson SRC #102

9. API Well No.
30-039-26385

4. Location of Well, Footage, Sec., T, R, M

2435' FSL, 2075' FWL, Sec.2, T-30-N, R-5-W, NMPM

10. Field and Pool
Basin Fruitland Coal

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

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

7-11-00 Drill to intermediate TD @ 3165'. Circ hole clean. TOOH. TIH w/76 jts
7" 20# J-55 ST&C csg, set @ 3163'. Pump 20 bbl chemical wash ahead.
Cmtd w/328 sx Class "B" neat cmt w/3% gel, 0.5 pps Cellophane, 10 pps
Gilsonite, 0.1% reducer (951 cu.ft.). Tailed w/115 sx Class "B" 50/50
poz w/2% gel, 2% sodium metasilicate, 0.25 pps Cellophane, 5 pps
Gilsonite, 0.1% reducer (145 cu.ft.). Circ 27 bbl cmt to surface. WOC.
7-12-00 PT BOP & csg to 1500 psi/30 min, OK.

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

Signed Dorothy Case Title Regulatory Supervisor
no

Date 7/31/00 **ACCEPTED FOR RECORD**

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

SEP 15 2000

CONDITION OF APPROVAL, if any:

FARMINGTON FIELD OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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

2435' FSL, 2075' FWL, Sec. 2, T-30-N, R-5-W, NMPM

Lease Number
NM-4454

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Carson SRC #102

9. API Well No.
30-039-26385

10. Field and Pool
Basin Fruitland Coal

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

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other -

13. Describe Proposed or Completed Operations

7-12-00 TIH w/bit. Drill to TD @ 3302'. Circ hole clean. TOOH w/bit. TIH, blow well & CO.

7-13/31-00 Blow well & CO.

8-1/7-00 Blow well & CO.

8-8-00 Blow well & CO. TOOH. TIH w/5 jts 5 1/2" 15.5# K-55 lnr, set @ 3302'. Top of lnr @ 3125'. TOOH. TIH w/4 3/4" mill. Mill perf plugs @ 3171-3235', 3256-3301'. TOOH w/mill. TIH w/104 jts 2 3/8" 4.7# J-55 EUE tbgs, landed @ 3295'. ND BOP. NU WH. RD. Rig released.

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

Signed Nancy Oltermann - for Title Regulatory Supervisor Date 8/5/00

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

SEP 15 2000

FARMINGTON FIELD OFFICE
BY _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-4454
1b. Type of Well GAS	Unit Reporting Number
2. Operator BURLINGTON RESOURCES Oil & Gas Company	6. Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name
4. Location of Well 2435' FSL, 2075' FWL Latitude 36° 50.5, Longitude 107° 19.7	8. Farm or Lease Name Carson SRC
	9. Well Number 102
	10. Field, Pool, Wildcat Basin Fruitland Coal
	11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 2, T-30-N, R-5-W API # 30-039-26385
14. Distance in Miles from Nearest Town 10 miles from Gobernador	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2075'	
16. Acres in Lease	17. Acres Assigned to Well 318.79 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2500'	
19. Proposed Depth 3288'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6493' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	BRIDGES, ETC. MUST BE MAINTAINED ARE SUPPORTED TO CORRESPOND WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date <u>2-23-00</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/ Charlie Beecham

TITLE Team Lead, Petroleum Management

DATE MAY 4 2000

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

HOLD C104 FOR NSL

RMOCOD

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

Form C-1

Revised February 21, 19

Instructions on ba

Submit to Appropriate District Offi

State Lease - 4 Copi

Fee Lease - 3 Copi

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

23 FEB 24 AM 9:41

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- <u>26385</u>	*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 18492	*Property Name CARSON SRC	*Well Number 102
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 6493

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	2	30N	5W		2435	SOUTH	2075	WEST	RIO ARriba

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	County

¹² Dedicated Acres W/318.79	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 1298.88' LOT 8 1320.00' 1320.00' 1320.00' 1320.00'	5280.00' LOT 7 USA NM-4454 2075' 2435' 5260.20'	LOT 6 LOT 5 1303.50' 1320.00' 1320.00' 1320.00'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Peggy Cole</u> Signature Peggy Cole Printed Name Regulatory Administrator Title 2-23-00 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 or under my supervision, and that the same is true and correct to the best of my belief. DECEMBER 10, 1999 Date of Survey Signature and Seal of NEALE C. EDWARDS NEALE C. EDWARDS NEW MEXICO 6857 Certificate 6857
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OPERATIONS PLAN

Well Name: Carson SRC #102
Location: 2435' FSL, 2075' FWL, Section 2, T-30-N, R-5-W
Latitude 36° 50.5, Longitude 107° 19.7
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6493' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2685'	
Ojo Alamo	2685'	2785'	aquifer
Kirtland	2785'	3095'	gas
Fruitland	3095'	3202'	gas
Intermediate casing	3158'		
Basal Coal	3202'		
Total Depth	3288'		

Logging Program:

Open hole - GR, CDL - TD to intermediate casing
Mud log - TD to intermediate casing

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-3288'	Non-dispersed	8.4-9.0	30-60	no control

Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3152'	7"	20.0#	J-55
6 1/4"	3052' - 3288'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 3288'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2863'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - Pre-drilled liner run to the 7" casing with an overlap. Liner hanger is a slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 160 sx Class "B" cement with ¼ pps cellophane and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

7" intermediate casing - lead w/272 sacks Class "B" with 3% sodium metasilicate, 10 pps Gilsonite, and 1/2 pps sack Flocele. Tail with 90 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride, 1/2 pps flocele and 7 pps Gilsonite (948 cu.ft., 100% excess to circulate to surface).

5 1/2" liner - uncemented.

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600#/30 min.

Intermediate TD to Total Depth - 7 1/6" 3000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 2500 psi for 30 minutes; all pipe rams and casing to 2500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- The Fruitland Coal formation will be completed.
- Anticipated pore pressure for the Fruitland is 1000 psi.
- This gas is dedicated.
- The west half of section 2 is dedicated to this well.

Drilling Engineer:

Steve Campbell

Date:

2/23/2000

BURLINGTON RESOURCES OIL & GAS COMPANY CARSON SRC #102

2435' FSL & 2075' FWL, SECTION 2, T30N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

700' NEW FOREST SERVICE CONSTRUCTION
500' SE/NW SECTION 2, T30N, R5W
200' NE/SW SECTION 2, T30N, R5W.

