

2/26/02	3/18/02	ENGINEER MS	LOGGED IN RV	TYPE NSL	APP NO. 206051292
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [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

- [D] Other: Specify _____

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☒ 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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

PEGGY COLE
 Print or Type Name

Peggy Cole
 Signature

REGULATORY Supr. 2-25-02
 Title Date

pcole@br-inc.com
 e-mail Address

BURLINGTON RESOURCES

SAN JUAN DIVISION

Sent Federal Express February 25, 2002

Mr. Michael Stogner
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: East #7F
1510'FNL, 2100'FWL, Section 14, T-31-N, R-12-W, San Juan County
API #30-045-30438

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Blanco Mesaverde pool for the subject well.

The East #7F was a pilot Basin Dakota infill well which was drilled and completed the summer of 2001. Order R-11532 dated February 6, 2001 allowed the drilling of the well at the non-standard location for the Basin Dakota. Burlington Resources plans to recomplete the well in the Blanco Mesaverde and downhole commingle both pools. An application for the downhole commingling is being submitted to the New Mexico Oil Conservation Division's Aztec District Office.

Production from the Mesaverde is included in a 282.06 acre gas spacing unit comprising of the west half (W/2) of Section 14 and is to be dedicated to the East #7 (30-045-10814) located at 790'FNL, 790'FWL in Section 14, and the East #1A (30-045-22269) located at 790'FSL, 790'FWL in Section 14. The East #1 Mesaverde well (30-045-10789) located at 990'FNL, 1650'FWL was plugged and abandoned November 5, 1998.

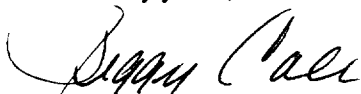
To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

C-102 plat showing location of the well
Plat showing offset owners/operators
Copy of Well Completion Log for original completion

Burlington Resources is the operator and working interest owner of the east half (E/2) of Section 14 Township 31N, Range 12W for the Blanco Mesaverde.

Please let me know if you have any questions concerning this application. I can be reached at 505-326-9727, or my email address is pcole@br-inc.com.

Sincerely yours,


Peggy Cole
Regulatory Supervisor

Xc: NMOCD – Aztec District Office
Bureau of Land Management - Farmington

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. 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

¹ API Number 30-045- 30438		² Pool Code 71599 / 72319		³ Pool Name Basin Dakota/Blanco Mesaverde	
⁴ Property Code 18517		⁵ Property Name EAST			⁶ Well Number 7F
⁷ GRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.			⁹ Elevation 6276

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
F	14	31-N	12-W		1510	NORTH	2100	WEST	SAN JUAN

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/282.06					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.

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

<p>16</p> <p>FD 3 1/2"</p> <p>BLM 1951 B.C.</p>	<p>N 88°57'13" E</p> <p>2462.04' (M)</p>				<p>17</p> <p>FD 3 1/2"</p> <p>BLM 1951 B.C.</p>
	<p>LOT 4</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>Reissued to show revised location.</p> <p>196'</p> <p>2100'</p> <p>LAT: 36°54.1' N.</p> <p>LONG: 108°04.0' W.</p> <p>5170.50' (M)</p> <p>1810'</p> <p>USA SF-077652</p> <p>14</p>				
<p>LOT 5</p> <p>LOT 6</p> <p>LOT 9</p> <p>LOT 8</p> <p>LOT 7</p> <p>LOT 10</p> <p>LOT 11</p>		<p>N 01°11'10" E</p> <p>2631.40' (M)</p> <p>N 08°17'32" E</p>		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Cole</i></p> <p>Signature</p> <p>Peggy Cole</p> <p>Printed Name</p> <p>Regulatory Supervisor</p> <p>Title</p> <p>2.10.02</p> <p>Date</p>	
				<p>18</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>10-17</p> <p>Date of Survey</p> <p><i>[Signature]</i></p> <p>Signature and Seal of Professional Surveyor</p> <p>ROY A. RUSH</p> <p>NEW MEXICO</p> <p>8894</p> <p>Certificate Number</p>	

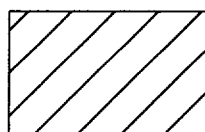
Nonstandard Location
Mesaverde Formation Well



- 1 Burlington Resources
3401 E. 30th
P.O. Box 4289
Farmington, NM 87402



Offset Working Interest Owner



Proposed Well

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. SF-077652	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BURLINGTON RESOURCES OIL & GAS		Contact: PEGGY COLE E-Mail: pbradfield@br-inc.com	
3. Address 3401 EAST 30TH FARMINGTON, NM 87402		3a. Phone No. (include area code) Ph: 505.326.9727 Fx: 505.326.9563	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENW Lot F 1510FNL 2100FWL At top prod interval reported below At total depth		8. Lease Name and Well No. EAST 7F	
14. Date Spudded 04/29/2001		15. Date T.D. Reached 05/18/2001	
16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 07/02/2001		9. API Well No. 30-045-30438	
18. Total Depth: MD 7550 TVD		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory BASIN DAKOTA	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CNL, SP/AIT/LDT, CBL/GR/CCL		11. Sec., T., R., M., or Block and Survey or Area Sec 14 T31N R12W Mer NMP	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		12. County or Parish SAN JUAN	
13. State NM		17. Elevations (DF, KB, RT, GL)* 6276 GL	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Casing Top*	Amount Pulled
12.250	8.625 J-55	32.000		343		332			
7.875	4.500 J-55	11.000		7546		1095			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7420							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7250	7550	7250 TO 7428		171	
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7250 TO 7428	2002 BBL SLK WTR, 40,000 LBS 20/40 TLC SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/02/2001	07/02/2001	1	→	0.0	634.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	650	665.0	→					GSI	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
NI			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #5539 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL

ACCEPTED FOR RECORD

JUL 18 2001

OPERATOR

OFFICE

**STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 12509
ORDER NO. R-11532**

APPLICATION OF BURLINGTON RESOURCES OIL & GAS COMPANY FOR APPROVAL OF A PILOT PROJECT INCLUDING UNORTHODOX WELL LOCATIONS AND AN EXCEPTION FROM THE SPECIAL RULES AND REGULATIONS FOR THE BASIN-DAKOTA GAS POOL FOR PURPOSES OF ESTABLISHING A PILOT INFILL DRILLING PROGRAM WITHIN ITS CULPEPPER MARTIN PROJECT AREA, CONSISTING OF SECTIONS 1-3, 10-15 AND 22-24, TOWNSHIP 31 NORTH, RANGE 12 WEST, WHEREBY UP TO FOUR WELLS MAY BE DRILLED ON A STANDARD GAS PRORATION UNIT TO DETERMINE PROPER WELL DENSITY FOR DAKOTA WELLS, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on October 19 and November 16, 2000, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 16th day of February, 2001, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

FINDS THAT:

- (1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.
- (2) Cases No. 12508 and 12509 were consolidated at the October 19th hearing for the purpose of testimony.
- (3) The applicant, Burlington Resources Oil & Gas Company ("Burlington"), seeks approval to conduct a pilot infill drilling program in the Basin-Dakota Gas Pool within its proposed Culpepper Martin Project Area, San Juan County, New Mexico, whereby up to four wells may be drilled on a standard gas proration unit ("GPU") in order to determine proper well density.

(4) The applicant further seeks authority to drill the following-described six initial infill wells, all located at unorthodox gas well locations within Township 31 North, Range 12 West:

<u>Well Name</u>	<u>Well Location</u>
Davis No. 7F	180' FNL & 2465' FWL (Unit C) Section 11
Davis No. 8R	2270' FSL & 2140' FEL (Unit J) Section 11
East No. 7F	1740' FNL & 2395' FWL (Unit F) Section 14
Grenier No. 11F	965' FNL & 500' FWL (Unit D) Section 13
Harper No. 2F	2020' FSL & 1585' FEL (Unit J) Section 14
Richardson No. 8F	2510' FSL & 1915' FEL (Unit J) Section 10

(5) The applicant further seeks:

- (a) authority to expand the pilot infill drilling project by drilling additional infill wells within the Culpepper Martin area at orthodox and unorthodox locations provided that: i) no more than two wells shall be drilled on each quarter section within a standard 320-acre GPU; and ii) such wells are located no closer than 10 feet to the outer boundary of the proration unit nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (b) to establish a ½-mile "buffer zone" within the outer boundary of the Culpepper Martin area within which standard well density for the Basin-Dakota Gas Pool shall apply in order to protect the correlative rights of offset operators; and
- (c) an exception to the well location requirements for the Basin-Dakota Gas Pool to allow the drilling of Dakota gas wells within the proposed "buffer zone" at locations no closer than 660 feet to the outer boundary of the Culpepper Martin area nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary.

(6) At the hearing, the applicant testified that the well location for the East Well No. 7F has been amended to 1510 feet from the North line and 2100 feet from the West line (Unit F) of Section 14.

(7) BP Amoco, Williams Production Company, Conoco Inc., and the United States Bureau of Land Management ("BLM") appeared at the hearing generally in support of the application.

(8) In companion Case No. 12508, Burlington seeks approval for a similar Dakota pilot infill drilling project within its San Juan 27-5 Unit area located in Township 27 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(9) By Order No. R-1670-V issued in Case No. 6533 on May 22, 1979, the Division approved infill drilling within the Basin-Dakota Gas Pool whereby up to two wells may be drilled on a standard 320-acre GPU.

(10) The Basin-Dakota Gas Pool is currently governed by special rules established by Division Order No. R-10987, as amended, that require:

- (a) standard 320-acre gas spacing and proration units;
- (b) the initial well on a GPU to be located no closer than 660 feet to any outer boundary of the quarter section on which the well is located and no closer than 10 feet to any quarter-quarter section line or subdivision inner boundary; and
- (c) the infill well drilled on a GPU to be located in the quarter section of the GPU not containing a Dakota well and to be located with respect to the GPU boundaries as described in the preceding paragraph.

(11) Burlington is the operator of all Basin-Dakota Gas Pool GPU's within the Culpepper Martin area, which comprises 7,414 acres, more or less, consisting of Sections 1 through 3, 10 through 15, and 22 through 24, all in Township 31 North, Range 12 West. The proposed project area contains state, federal and fee oil and gas leases.

(12) The working, royalty and overriding royalty interest ownership within the Culpepper Martin area is not uniform throughout.

(13) The evidence and testimony presented indicates that Burlington has undertaken a study to analyze the drainage efficiency of Dakota gas wells in the Culpepper Martin area and generally in the San Juan Basin.

(14) The applicant presented geologic evidence that demonstrates:

- (a) the "Two Wells," "Pagate," "Upper Cubero," and "Lower Cubero" are the four distinct producing intervals within the Basin-Dakota Gas Pool. These four intervals vary in their continuity within the pool;
- (b) within the Culpepper Martin area, the "Two Wells," "Pagate," and "Lower Cubero" are present with the gas production attributed to all three of these intervals;
- (c) differences in ultimate gas recoveries within the Culpepper Martin area cannot be attributed to differences in reservoir thickness and structure, or matrix porosity and permeability;
- (d) the presence and density of natural fractures in the Dakota formation appear to account for the differences between areas of high and low gas recoveries; and
- (e) the geologic characteristics of the Dakota formation within the Culpepper Martin area are substantially different from those within the proposed San Juan 27-5 Unit area.

(15) Utilizing geologic and engineering data, Burlington has constructed various maps that depict: i) bulk volume hydrocarbon feet for the four producing intervals within the Basin-Dakota Gas Pool; ii) original gas in place ("OGIP") for the Basin-Dakota Gas Pool within the San Juan Basin; iii) estimated ultimate gas recovery ("EUR") for the Basin-Dakota Gas Pool within the San Juan Basin; iv) initial shut-in pressure ("ISIP") for 160-acre Dakota infill wells; and v) EUR ratio--160-acre infill well EUR/parent well EUR.

- (16) Burlington's geologic/engineering maps demonstrate that:
- (a) OGIP varies considerably in the Dakota formation across the San Juan Basin;
 - (b) the ISIP for 160-acre infill wells varies considerably in the Dakota formation, and, within the Culpepper Martin area, the ISIP of 160-acre infill wells is approximately 42% of the initial Dakota reservoir pressure. These data demonstrate that the initial or "parent" wells were not efficiently draining the GPUs;
 - (c) there are areas in the San Juan Basin where the 160-acre infill wells are estimated to recover at least as much gas as the parent wells, again demonstrating that in certain areas of the San Juan Basin, the Dakota formation exhibits poor drainage characteristics;
 - (d) within the Culpepper Martin area, the initial and 160-acre infill wells are estimated to recover approximately 68% of the OGIP underlying their GPUs; and
 - (e) the remaining 32% of the OGIP can only be recovered by increasing the well density.

(17) Burlington has conducted a reservoir simulation study on that portion of the Culpepper Martin area where it proposes to drill the six initial infill wells. This area encompasses 7,700 acres and contains 42 existing producing Dakota wells. The results of this reservoir simulation study demonstrate that:

- (a) drilling the proposed six wells will result in the recovery of 1.4 BCF of new gas reserves that would otherwise not be recovered by the existing wells;
- (b) these additional gas reserves can be economically recovered by drilling new "stand alone" Dakota wells; and

- (c) the pilot wells are necessary in order to obtain pressure data that will be used to further refine the simulation model. The additional data obtained from the pilot project will allow Burlington to more accurately predict the proper well density and well location requirements for this area of the Basin-Dakota Gas Pool.

(18) The proposed unorthodox gas well locations are necessitated by a combination of topographic, engineering and geologic factors.

(19) The applicant notified all working, royalty and overriding royalty interest owners in the Culpepper Martin area and all offset operators of its application in this case.

(20) By letter dated November 1, 2000, the Commissioner of Public Lands for the State of New Mexico ("Commissioner") advised Burlington that the proposed Davis Well No. 7F encroached upon state trust lands located in Section 2, Township 31 North, Range 12 West, and that the Commissioner recommended an alternative well location be sought in order to avoid any correlative rights issues.

(21) No other offset operator or interest owner appeared at the hearing in opposition to the application.

(22) Burlington should seek an alternative well location for its Davis Well No. 7F in order to avoid any correlative rights violations. Accordingly, Burlington's request to drill its Davis Well No. 7F at an unorthodox location 180 feet from the North line and 2465 feet from the West line (Unit C) of Section 11, Township 31 North, Range 12 West, should be denied.

(23) The five remaining proposed unorthodox infill well locations should be approved.

(24) Preliminary geologic and engineering data indicate that the proposed pilot infill drilling project within the Culpepper Martin area will allow the applicant the opportunity to gather additional geologic and engineering data to determine proper well density in this portion of the Basin-Dakota Gas Pool, will allow the recovery of additional gas reserves from the Culpepper Martin area that may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights.

(25) Expansion of the pilot project by drilling additional infill wells at orthodox or unorthodox gas well locations may be approved by the Division Director only after notice and hearing; provided however that the supervisor of the Aztec District Office of the Division may approve an alternate well location for the Davis Well No. 7F if this well location protects the correlative rights of offset interest owners.

(26) A ½-mile "buffer zone" should be established within the outer boundary of the Culpepper Martin area. Within the "buffer zone," standard well density for the Basin-Dakota Gas Pool should apply.

(27) The applicant's request to amend the well location requirements for the Basin-Dakota Gas Pool within the "buffer zone" is irrelevant to this case, was not justified by the evidence presented, and should therefore be denied.

IT IS THEREFORE ORDERED THAT:

(1) Burlington is hereby authorized to conduct a pilot infill drilling project in the Basin-Dakota Gas Pool within its Culpepper Martin area, described as follows, San Juan County, New Mexico, whereby up to four wells may be drilled on a standard GPU in order to determine proper well density.

Culpepper Martin Project Area

Township 31 North, Range 12 West

Sections 1 through 3:	All
Sections 10 through 15:	All
Sections 22 through 24:	All

(2) The applicant is further authorized to drill the following-described five initial infill wells, all located at unorthodox gas well locations within Township 31 North, Range 12 West:

<u>Well Name</u>	<u>Well Location</u>
Davis No. 8R	2270' FSL & 2140' FEL (Unit J) Section 11
East No. 7F	1510' FNL & 2100' FWL (Unit F) Section 14
Grenier No. 11F	965' FNL & 500' FWL (Unit D) Section 13
Harper No. 2F	2020' FSL & 1585' FEL (Unit J) Section 14
Richardson No. 8F	2510' FSL & 1915' FEL (Unit J) Section 10

(3) The applicant's request to drill its Davis Well No. 7F at an unorthodox gas well location 180 feet from the North line and 2465 feet from the West line (Unit C) of Section 11, Township 31 North, Range 12 West, is hereby denied.

(4) Expansion of the pilot project by drilling additional infill wells at orthodox or unorthodox gas well locations may be approved by the Division Director only after notice and hearing; provided however that the supervisor of the Aztec District Office of the Division may approve an alternate well location for the Davis Well No. 7F if this well location protects the correlative rights of offset interest owners.

(5) A ½-mile "buffer zone" inside the outer boundary of the Culpepper Martin area is hereby established. Within the "buffer zone," standard well density for the Basin-Dakota Gas Pool shall apply.


(6) The applicant's request to amend the well location requirements for the Basin-Dakota Gas Pool within the "buffer zone" is hereby denied.

(7) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY
Director

SEAL

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

03/04/02 08:57:
OGOMES -TQ
PAGE NO:

Sec : 14 Twp : 31N Rng : 12W Section Type : NORMAL

4 36.19 Federal owned A	3 35.95 Federal owned A	2 36.50 Federal owned	1 36.74 Federal owned
5 34.44 Federal owned A	6 34.20 Federal owned	G 40.00 Federal owned A A	H 40.00 Fee owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

03/04/02 08:58:
OGOMES -TQ
PAGE NO:

Sec : 14 Twp : 31N Rng : 12W Section Type : NORMAL

9 32.64 Federal owned A	8 33.61 Federal owned A	7 36.95 Federal owned	I 40.00 Fee owned A
10 36.03 Federal owned A	11 37.00 Federal owned	O 40.00 Federal owned	P 40.00 Fee owned A A

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

280.06

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

03/04/02 09:00:
OGOMES -TQ

API Well No : 30 45 22269 Eff Date : 01-01-1996 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 18517 EAST

Well No : 001A
GL Elevation: 6265

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 10	14	31N	12W	FTG 790 F S	FTG 790 F W	P
Lot Identifier:							
Dedicated Acre:							280.06
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 : ONGARD 03/04/02 09:00:
 OG6ACRE C102-DEDICATE ACREAGE OGOMES -TQ
 Page No :

API Well No : 30 45 22269 Eff Date : 05-03-1994
 Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 Prop Idn : 18517 EAST Well No : 00
 Spacing Unit : 40942 OCD Order : Simultaneous Dedication:
 Sect/Twp/Rng : Acreage : 280.06 Revised C102? (Y/N) :
 Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
M	10	14	31N	12W	36.03	N	FD			
N	11	14	31N	12W	37.00	N	FD			
C	3	14	31N	12W	35.95	N	FD			
D	4	14	31N	12W	36.19	N	FD			
E	5	14	31N	12W	34.44	N	FD			
F	6	14	31N	12W	34.20	N	FD			
K	8	14	31N	12W	33.61	N	FD			
L	9	14	31N	12W	32.64	N	FD			

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/WELL

03/04/02 09:00:
OGOMES -TQ
Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	We St
30 45 22269	EAST	01 00 31	2628 6	F
30 45 22269	EAST	02 00 29	2330 5	7 F
30 45 22269	EAST	03 00 31	2626 4	F
30 45 22269	EAST	04 00 30	4472 2	F
30 45 22269	EAST	05 00 31	5250 18	F
30 45 22269	EAST	06 00 30	3393 38	F
30 45 22269	EAST	07 00 31	3054 16	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 NXTPOOL	PF11 NXTOGD	PF12

CMD : ONGARD 03/04/02 09:00:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod.	Days	Production Volumes	We	
		MM/YY	Prod	Gas	Oil	Water St
30 45 22269	EAST	08 00	31	4226	14	F
30 45 22269	EAST	09 00	30	4963	27	F
30 45 22269	EAST	10 00	31	5337	6	F
30 45 22269	EAST	11 00	30	3954	48	F
30 45 22269	EAST	12 00	31	3953	9	7 F
30 45 22269	EAST	01 01	31	4335	28	F
30 45 22269	EAST	02 01	28	3113	23	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 03/04/02 09:00:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	We St
30 45 22269	EAST	03 01 31	4427 19	F
30 45 22269	EAST	04 01 30	3510 16	F
30 45 22269	EAST	05 01 31	3421 24	F
30 45 22269	EAST	06 01 30	3345 13	F
30 45 22269	EAST	07 01 31	3369 8	7 F
30 45 22269	EAST	08 01 31	3526 15	2 F
30 45 22269	EAST	09 01 30	3003 7	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 03/04/02 09:01:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prodn. Days			Production Volumes			We
		MM/YY	Prod		Gas	Oil	Water	
30 45 22269	EAST	10 01	31		4070	3		F
30 45 22269	EAST	11 01	30		4038	30		F
30 45 22269	EAST	12 01	31		3725	36		F

Reporting Period Total (Gas, Oil) : 90068 415 23

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOCL PF11 NXTOGD PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

03/04/02 08:58:
OGOMES -TQ

API Well No : 30 45 10814 Eff Date : 09-09-1996 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 18517 EAST

Well No : 007
GL Elevation: 6324

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 4	14	31N	12W	FTG 790 F N	FTG 790 F W	P
Lot Identifier:							
Dedicated Acre:							280.06
Lease Type							: F
Type of consolidation							(Comm, Unit, Forced Pooling - C/U/F/O) :

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

CMD : ONGARD 03/04/02 08:58:
 OG6ACRE C102-DEDICATE ACREAGE OGOMES -TQ
 Page No :

API Well No : 30 45 10814 Eff Date : 05-03-1994
 Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 Prop Idn : 18517 EAST Well No : 00
 Spacing Unit : 40942 OCD Order : Simultaneous Dedication:
 Sect/Twp/Rng : Acreage : 280.06 Revised C102? (Y/N) :
 Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
M	10	14	31N	12W	36.03	N	FD			
N	11	14	31N	12W	37.00	N	FD			
C	3	14	31N	12W	35.95	N	FD			
D	4	14	31N	12W	36.19	N	FD			
E	5	14	31N	12W	34.44	N	FD			
F	6	14	31N	12W	34.20	N	FD			
K	8	14	31N	12W	33.61	N	FD			
L	9	14	31N	12W	32.64	N	FD			

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 03/04/02 08:58:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	We St
30 45 10814	EAST	01 00 31	3453 14	F
30 45 10814	EAST	02 00 29	3550 9	F
30 45 10814	EAST	03 00 31	3919 12	F
30 45 10814	EAST	04 00 30	4892 20	F
30 45 10814	EAST	05 00 31	6173 5	F
30 45 10814	EAST	06 00 30	5673 15	F
30 45 10814	EAST	07 00 31	8027 26	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 03/04/02 08:58:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod.	Days	Production Volumes	We
		MM/YY	Prod	Gas Oil Water	St
30 45 10814	EAST	08 00	31	5911 11 5	F
30 45 10814	EAST	09 00	30	5582 17 3	F
30 45 10814	EAST	10 00	31	5902 10	F
30 45 10814	EAST	11 00	30	5256 30	F
30 45 10814	EAST	12 00	31	5199 5	F
30 45 10814	EAST	01 01	31	5568 41	F
30 45 10814	EAST	02 01	28	4965 7 5	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 03/04/02 08:58:
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQ
 Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod.	Days	Production Volumes	We
		MM/YY	Prod	Gas Oil Water	St
30 45 10814	EAST	03 01	31	5101 6 8	F
30 45 10814	EAST	04 01	30	4795 13 4	F
30 45 10814	EAST	05 01	31	4806 10 2	F
30 45 10814	EAST	06 01	30	4299 9 1	F
30 45 10814	EAST	07 01	31	4643 8 2	F
30 45 10814	EAST	08 01	31	4839 11 3	F
30 45 10814	EAST	09 01	30	4117 8 2	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :
OG6IPRD

ONGARD
INQUIRE PRODUCTION BY POOL/WELL

03/04/02 08:58:
OGOMES -TQ
Page No:

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO
Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001

API Well No	Property Name	Prod.	Days	Production Volumes	We		
		MM/YY	Prod	Gas	Oil	Water	St
30 45 10814	EAST	10 01	31	5264	7	4	F
30 45 10814	EAST	11 01	30	4806	5	5	F
30 45 10814	EAST	12 01	31	5070	4	7	F

Reporting Period Total (Gas, Oil) : 121810 303 51

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

03/04/02 08:58:
OGOMES -TQ

API Well No : 30 45 10789 Eff Date : 11-05-1998 WC Status : P
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 18517 EAST

Well No : 001
GL Elevation: 6319

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act(P/
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 3	14	31N	12W	FTG 990 F N	FTG 1650 F W	P

Lot Identifier:
Dedicated Acre:
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

ILLEGIBLE

May 12, 1955

Astec Oil and Gas Company
920 Mercantile Securities Bldg.
Dallas 1, Texas

Attention: Mr. Quillen B. Davis

Administrative Order NWU-35

Gentlemen:

Reference is made to your application for approval of a 280.06-acre non-standard gas proration unit in the Blanco-Mesaverde Gas Pool consisting of the following acreage:

Township 31 North, Range 12 West, NMPM
W/2 of Section 14

It is understood that this unit is to be ascribed to your East Well No. 1, located 990 feet from the North line and 1650' from the West line of Section 14, in the NE/4 NW/4 of Section 14, Township 31 North, Range 12 West, NMPM, San Juan County, New Mexico.

By authority granted me under provisions of Rule 1, Section (b) of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool, as set forth in Order R-128-C, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned there- to in accordance with pool rules, based upon the unit size of 280.06 acres.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh
cc: Oil Conservation Commission
Astec, New Mexico

Submit 5 Copies
Appropriate 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-104
Revised 2-21-94
Instruction on back
Submit to Appropriate District Office
5 Copies

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	
		New Well	
4. API Number 3.005E+09	5. Pool Name Basin Dakota	6. Pool Code 71599	
7. Property Code 18517	8. Property Name East	9. Well Number 7F	

II. 10. Surface Location

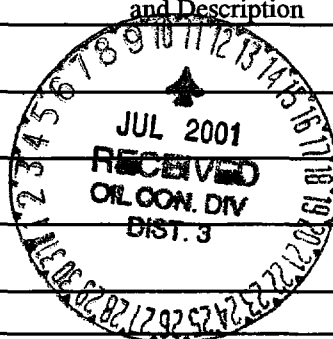
UI or lot no. F	Section 14	Township 31N	Range 12W	Lot Idn	Feet from the 1510	North/South North	Feet from the 2100	East/West line West	County San Juan Co., NM
--------------------	---------------	-----------------	--------------	---------	-----------------------	----------------------	-----------------------	------------------------	----------------------------

III. 11. Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	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 Industries	20. POD 2829077	21. O/G O	22. POD ULSTR Location and Description
25244	Williams Field Services	2829078	G	



IV. Produced Water

23. POD 2829079	24. POD ULSTR Location and Description
--------------------	--

V. Well Completion Data

25. Spud Date 4/29/2001	26. Ready Date 7/2/2001	27. TD 7550'	28. PBTB 7501'	29. Perforations 7250-7428'
30. Hole Size 12 1/4 7 7/8	31. Casing & Tubing Size 8 5/8 4 1/2 2 3/8	32. Depth Set 343' 7546' 7420'	33. Sacks Cement 332 sx 1095 sx	

VI. Well Test Data

34. Date New Oil	36. Test Date 7/2/2001	37. Test Leng	38. Tbg. Pressure SI 650	39. Csg. Pressure SI 655
40. Choke Size	41. Oil	42. Water	43. Gas 634	44. AOF
				45. Test Method Flowing

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 (tlw)

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Charlie T. Perrin

DEPUTY OIL & GAS INSPECTOR, DIST. #3

JUL 11 2001

7/9/2001

Telephone No.

(505) 326-9700

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

Previous Operator Signature

Printed Name

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF-077652	
2. Name of Operator BURLINGTON RESOURCES OIL & GAS		6. If Indian, Allottee or Tribe Name	
3a. Address 3401 EAST 30TH FARMINGTON, NM 87402		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 505.326.9563 Fax: 505.326.9563		8. Well Name and No. EAST 7F	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T31N R12W Mer SENW		9. API Well No. 30-045-30438	
		10. Field and Pool, or Exploratory BASIN DAKOTA	
		11. County or Parish, and State SAN JUAN COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> DRG
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

(5-18-01) Drill to TD @ 7550'. Circ hole clean.

(5-20-01) TOOH. TIH w/176 jts 4-1/2" 10.5# J-55 ST&C csg, set @ 7546'. Stage tool set @ 4227'. Cmdt 1st stage w/530 sx TXI lightweight w/0.11% dispersant, 0.5% retarder, 5.18 pps D-154, 42.97 pps D-124, 51.85 pps DO-49 (1336 cu ft). Circ 36 bbl cmt to surface. Cmdt 2nd stage w/565 sx 50/50 Class G poz w/2.5% D79, 2% calcium chloride, 0.5 pps D29, 10 pps D24, 0.2% D46 (1458 cu ft). Circ 80 bbl cmt to surface. ND BOP. NU WH. RD. Rig released.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #4570 verified by the BLM Well Information System For BURLINGTON RESOURCES OIL & GAS, sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 05/31/2001 ()	
Name (Printed/Typed) PEGGY COLE	Title REPORT AUTHORIZER
Signature	Date 05/29/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

IN 0 2001

RECORDED

OFFICE

K.1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF-077652
2. Name of Operator BURLINGTON RESOURCES OIL & GAS		6. If Indian, Allottee or Tribe Name
3a. Address 3401 EAST 30TH FARMINGTON, NM 87402	3b. Phone No.(include area code) 505.326.9727	7. If Unit or CA/Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2100FWL 1510FNL F-14-31-12		8. Well Name and No. EAST 7F
		9. API Well No. 3004530438
		10. Field and Pool, or Exploratory Area BASIN DAKOTA
		11. County or Parish, and State SAN JUAN NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be files within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

(4-29-01) MIRU. Spud well @ 2:30 pm 4-29-01. Drilling ahead.(4-30-01) Drill to 347'. Circ hole clean. TOO. TIH w/8 jts 8-5/8" 32# J-55 ST&C csg, set @ 343'. Cmt w/332 sx Class "B" neat w/3% calcium chloride, 0.25 pps flocele (392 cu ft). Circ 19 bbl cmt to surface. WOC. NU BOP. PT BOP & csg to 600 psi/30 min, OK. Drilling ahead. APD ROW Related

Electronic Submission #3932 verified by the BLM Well Information System for BURLINGTON RESOURCES OIL & GAS Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 05/03/2001

Name (Printed/Typed) PEGGY COLE	Title REPORT AUTHORIZER
Signature	Date 05/01/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE FOR RECORD

Approved By	Title MAY 04 2001
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FA BY JMN OFFICE

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 SF-077652 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 East 9. Well Number #7F
4. Location of Well 1510' FNL, 2100' FWL Latitude 36° 54.1'N, Longitude 108° 04.0'W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) F - Sec. 14, T-31-N, R-12-W API # 30-045- 30438
14. Distance in Miles from Nearest Town 8.2 miles from Aztec P.O.	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1510'	17. Acres Assigned to Well W/280.06
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease This entry is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7423'	
21. Elevations (DF, FT, GR, Etc.) 6276' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	OPERATING OPERATIONS AUTHORIZED ARE SUBJECT TO OVERLAP WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Supervisor	Date <u>11-20-00</u>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Per Phone Call: Steve Mason TITLE _____ DATE 3-13-1

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.

80 A- Infill Pilot
R-11532

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 30438	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18517	⁵ Property Name EAST	⁶ Well Number 7F
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 6276

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
F	14	31-N	12-W		1510	NORTH	2100	WEST	SAN JUAN

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/280.06		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R 11632			

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

<p>16</p> <p>FD 3 1/2" BLM 1951 B.C.</p> <p>N 01°11'10" E 2631.40' (M)</p> <p>LOT 4</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>Reissued to show revised location.</p> <p>LOT 5</p> <p>LOT 6</p> <p>USA SF-077652</p> <p>LOT 9</p> <p>LOT 8</p> <p>LOT 7</p> <p>LOT 10</p> <p>LOT 11</p> <p>FD 3 1/2" BLM 1951 B.C.</p> <p>N 06°17'52" E 5170.59' (M)</p> <p>FD 3 1/2" BLM 1951 B.C.</p> <p>N 88°57'13" E 2462.04' (M)</p> <p>FD 3 1/2" BLM 1951 B.C.</p> <p>LAT: 36°54.1' N. LONG: 108°04.0' W.</p> <p>14</p> <p>MAR 2001 RECEIVED OIL CON. DIV. DIST. 3</p>		<p>17</p> <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <u>Peggy Cole</u></p> <p>Printed Name <u>Peggy Cole</u></p> <p>Title <u>Regulatory Supervisor</u></p> <p>Date <u>11-20-00</u></p>
<p>18</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey <u>10-17-00</u></p> <p>Signature and Seal of Professional Surveyor <u>[Signature]</u></p> <p>Certificate Number <u>8894</u></p>		

EXISTING ACCESS

OPERATIONS PLAN

Well Name: East #7F
Location: 1510' FNL, 2100' FWL, Sec.14, T-31-N, R-12-W
San Juan County, NM
Latitude 36° 54.1'N, Longitude 108° 04.0'W
Formation: Basin Dakota
Elevation: 6276'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1104'	
Ojo Alamo	1104'	1181'	aquifer
Kirtland	1181'	2107'	gas
Fruitland	2107'	2761'	
Pictured Cliffs	2761'	2916'	gas
Lewis	2916'	3479'	gas
Mesaverde	3479'	3867'	gas
Chacra	3867'	4388'	gas
Massive Cliff House	4388'	4540'	gas
Menefee	4540'	5095'	gas
Massive Point Lookout	5095'	5463'	gas
Mancos Shale	5463'	7111'	gas
Greenhorn	7111'	7241'	gas
Dakota	7241'	7423'	gas
TD	7423'		

Logging Program:

Open hole logs - none
Cased hole logs - CBL/GR - TD to surface.
Cores - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-7423'	LSND	8.4-9.0	40-60	8-12

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	WC-50
7 7/8"	0' - 7423'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7423' 2 3/8" 4.7# J-55 EUE

BOP Specifications, Wellhead and Tests:

Surface to TD -

11" 3000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

6" 3000 psi double gate BOP stack (Reference Figure #2).
After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

Surface to Total Depth -

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Wellhead -

8 5/8" x 4 1/2" x 2 3/8" x 3000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing -
Cement to surface w/336 sx Class "G" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (396 cu.ft. of slurry, 200% excess to circulate to surface.) WOC 8 hr prior to drilling out surface casing. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

Production Casing - 4 1/2"

4 1/2" production casing -
Lead w/809 sx Litecrete, 0.11% dispersant. Tail w/346 sx 50/50 Class "G" poz w/5% gel, 0.25 pps celloflakes, 5 pps gilsonite, 0.25% fluid loss, 0.15% dispersant, 0.1% retarder (2536 cu. ft. of slurry, 50% excess.) *Circ*

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Float shoe on bottom. Three centralizers run every other joint above shoe. Thirty-five centralizers - one every 4th joint to the base of the Ojo Alamo @ 1181'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1181'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.