

5. Harper #2F 2020' FSL, 1585' FEL.
E/2 J 14-31N-12W

6. Richardson #8F 2510' FSL, 1915' FEL,
E/2 J 10-31N-12W

C. Attached are copies of the C-102s for all six (6) infill pilot wells.

D. Each well is predicated on being located among existing Dakota wells in such a way as to complete an appropriate pattern to obtain additional data for reservoir simulation modeling. It is necessary to locate them at locations not currently permitted by the pool rules because:

(a) the infill pilot wells are to be located among existing wells at locations in the reservoir which have not been adequately drained by existing wells in order (i) to properly test for interference between and among wells; and (ii) to obtain appropriate pressure data;

(b) the pilot wells are necessary in order to obtain pressure data which will be used to future refine the simulation and allow Burlington to then accurately predict the proper well density and well locations requirements for this area of the pool; and

(c) because there is a general north-south orientation to the drainage patterns of existing wells, each of the proposed infill pilot wells is located so as to minimize the effect that those existing drainage patterns will have on the pilot wells.

E. In addition, five (5) of these locations had to be further adjusted in order to comply with BLM requirements or satisfy topographical limitations. **See attached topography map.** The following reasons support these location exceptions:

(1) Davis 7F well has been moved three times for archeological reasons and there is no suitable standard location available for this well;

(2) Grenier 11F well location is unorthodox due to road restrictions and there is no suitable standard location available;

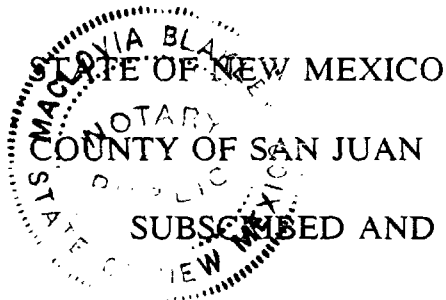
(3) Davis 8R well's location in the northeast portion of its drill block was not available due to a lack of roads in that quarter-quarter section. The location was moved further north because of archaeological reasons and there is no suitable standard location available;

(4) Harper 2F well: there is no suitable standard location available for this well; and

(5) Richardson 8F well is located on an existing road and there is no suitable standard location available.

FURTHER AFFIANT SAYETH NOT:

Bill Babcock
Bill Babcock



)
)SS
)

SUBSCRIBED AND SWORN to before me this ___th day of December, 2000.

Maureen Blunkley
Notary Public

My Commission Expires:

5-16-02

(SEAL)

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
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DISTRICT II
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DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18509	⁵ Property Name DAVIS	⁶ Well Number 7F
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 6259'

¹⁰ Surface Location

BLM or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	31-N	12-W		180	NORTH	2465	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

BLM 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/305.4		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

16

S 89-29-35 E

FD 3 1/2" BLM 1951 B.C. 2465' LAT: 36°55.2' N. LONG: 108°03.9' W.

LOT 4 LOT 3 LOT 2 LOT 1

LOT 5 LOT 6 LOT 7 LOT 8

FD 3 1/2" BLM 1951 B.C. USA SF-077648

LOT 12 LOT 11 LOT 10 LOT 9

LOT 13 LOT 14 LOT 15 LOT 16

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 Supervisor
Title
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 me or under my supervision, and that the same is true and correct to the best of my belief

Date of Survey
Signature and Seal of Professional Surveyor

Certificate Number

8894

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18509	⁵ Property Name DAVIS	⁶ Well Number 8R
⁷ DGRID No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS, INC.	⁹ Elevation 6309'

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
J	11	31-N	12-W		2270'	SOUTH	2140'	EAST	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 E/305.96		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶				¹⁷ OPERATOR CERTIFICATION			
LOT 4				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
LOT 3				Signature Peggy Cole			
LOT 2				Printed Name Regulatory Supervisor			
LOT 1				Title			
LOT 5				Date			
LOT 6				¹⁸ SURVEYOR CERTIFICATION			
LOT 7				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 knowledge and belief.			
LOT 8				Date of Survey 9-14-94			
LOT 12				Signature and Seal of Professional Surveyor RUSH			
LOT 11				8894			
LOT 10				Certificate Number			
LOT 9							
LOT 13							
LOT 14							
LOT 15							
LOT 16							

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18517	⁵ Property Name EAST	⁶ Well Number 7F
⁷ OGRID 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 FD 3 1/2" BLM 1951 B.C.</p> <p>N 88°57'13" E 2462.04' (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>2100'</p> <p>LAT: 36°54.1' N LONG: 108°04.0' W</p> <p>LOT 5</p> <p>LOT 6</p> <p>USA SF-077652</p> <p>14</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 01°11'10" E 2631.40' (M)</p> <p>1510'</p> <p>5170.59' (M)</p> <p>N 06°17'52" E</p> <p>FD 3 1/2" BLM 1951 B.C.</p>	<p>17 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 _____</p> <p>Peggy Cole Printed Name</p> <p>Regulatory Supervisor Title</p> <p>Date _____</p> <p>18 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: 10-17-94</p> <p>Signature and Seal of Professional Surveyor: [Signature]</p> <p>8894 Certificate Number</p>
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18530	⁵ Property Name GRENIER	⁶ Well Number 11F
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 6231'

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
D	13	31-N	12-W		965	NORTH	500	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/314.53		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
FD 3 1/2" BLM 1951 B.C. OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>N 08-45-07 E</p> <p>2457.04' (M)</p> <p>965'</p> <p>500'</p> <p>LOT 4</p> <p>LOT 3</p> <p>USA SF-078115</p> <p>LAT: 36°54.2' N.</p> <p>LONG: 108°03.4' W.</p> <p>MCGRAIL, M.H.</p> <p>FD 3 1/2" BLM 1951 B.C.</p> <p>HARPER, M.H.</p> <p>MCGRAIL, M.H.</p>	<p>LOT 2</p> <p>LOT 1</p> <p>LOT 5</p> <p>LOT 6</p> <p>LOT 7</p>	<p>17 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 Peggy Cole</p> <p>Printed Name Regulatory Supervisor</p> <p>Title</p> <p>Date</p> <p>18 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>9- Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>ROY A. RUSH REGISTERED PROFESSIONAL LAND SURVEYOR 8894</p> <p>Certificate Number</p>
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 18537	⁵ Property Name HARPER	⁶ Well Number 2F
⁷ OGRI No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS, INC.	⁹ Elevation 6179'

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
J	14	31-N	12-W		2020'	SOUTH	1585'	EAST	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 E/309.7	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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16 LOT 4	LOT 3	LOT 2	USA SF-077648 LOT 1
LOT 5	LOT 6	USA SF-077652	MCGRAIL, M.H. FD B.L.M. BC 1951
USA SF-078115		14	
LOT 9	LOT 8	LOT 7	LAT. 36°53.8'N LONG. 108°03.8'W 1585'
LOT 10	LOT 11	2020'	HARPER, M.I.
FD. B.L.M. BC 1951	N 88-39-59 W	5350.87'	CALC'D FROM REF. MON.

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 Supervisor
Title

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 me or under my supervision, and that the same is true and correct to the best of my belief.

9-14
Date of Survey
Signature and Title of Professional Surveyor
ROY A. RUSH
REGISTERED PROFESSIONAL LAND SURVEYOR
8894
Certificate Number

Form C-102
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Appropriate District 015

DISTRICT II
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OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 7422	⁵ Property Name RICHARDSON	⁶ Well Number 8F
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS, INC.	⁹ Elevation 6170'

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
J	10	31-N	12-W		2510	SOUTH	1915	EAST	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
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¹³ Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
E/320			

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16

USA SF-077651

FD. 3 1/2" BC.
B.L.M. 1951

10

1915'

LAT. = 36°54.8' N.
LONG. = 108°04.8' W.

2510'

FD. 3 1/2" BC.
B.L.M. 1951

N 88-52-47 W 2640.35' (M) FD. 3 1/2" BC.
B.L.M. 1951

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 Supervisor

744

Detw

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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.

Date of Survey

Signature and Seal of Professional Surveyor:

8894

Certificate Number