

Schlumberger

Anadrill

MDC Operations
4607 South County Rd. #1310
Odessa, Texas 77477
Phone (915) 563-3057
Fax (915) 563-3059

August 29, 1997

Bureau of Land Management
414 W Taylor
P.O. Box 1960
Hobbs, New Mexico 88240

Re: Burlington Resources Oil & Gas Company
Justice 25 Federal #2
Lot K, Section 25, Township 25 S, Range 37 E
Lea County, New Mexico
API # 30-025-34072

Enclosed, please find the original and one copy of the survey performed on the referenced well by Anadrill, a division of Schlumberger Technology Corporation. Other information required by your office is as follows:

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
David Robinson MWD I	Original Hole	4516' to 6818'	8/16/97 - 8/20/97	MWD/D&I

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,



Tom Follis
MWD Coordinator

Enclosures: 2
Cc: Burlington Resources Oil & Gas Company

	Schlumberger	Anadrill
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MDC Operations
4607 South County Rd. #1310
Odessa, Texas 77477
Phone (915) 563-3057
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State of Texas
County of Midland

I, David Robinson, certify; that I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the days of 8/16/97 through 8/20/97 conduct or supervise the taking of MWD surveys from a depth of 4516 feet to a depth of 6818 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Burlington Resources Oil & Gas Company, for the Justice 25 Federal #2 in Lea County, New Mexico, API # 30-025-34072; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.



David Robinson,
MWD I

ANADRILL DISPLACEMENT CALCULATION
JUSTICE 25 FED. #2

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Job Number: 41182
Current Time: 16:44:11

Start Date: 08-16-97
Current Date: 22-08-97

				U.S. Units						
Stn	M.Depth	Drift	Azmth	TVD	N/S Lat	E/W Dep	VSectn	ClsDisp	ClsAz	DLgSv
0	4490.0	0.75	31.0	4489.1	47.7 N	51.0 E				
1	4516.0	0.50	329.0	4515.2	47.9 N	51.0 E	-31.7	70.0	46.8	2.61
2	4546.0	1.60	277.0	4545.1	48.1 N	50.6 E	-31.2	69.8	46.4	4.50
3	4577.0	3.10	275.2	4576.1	48.2 N	49.3 E	-29.9	69.0	45.6	4.84
4	4608.0	4.50	282.9	4607.1	48.6 N	47.3 E	-27.9	67.8	44.2	4.80
5	4640.0	5.70	288.8	4638.9	49.3 N	44.6 E	-25.1	66.5	42.1	4.09
6	4671.0	6.60	289.9	4669.7	50.4 N	41.4 E	-21.8	65.3	39.4	2.93
7	4703.0	8.10	292.9	4701.5	52.0 N	37.6 E	-17.7	64.1	35.9	4.84
8	4732.0	9.50	293.7	4730.1	53.7 N	33.5 E	-13.3	63.3	32.0	4.85
9	4761.0	9.90	294.7	4758.7	55.7 N	29.1 E	-8.4	62.8	27.6	1.50
10	4792.0	11.40	296.0	4789.2	58.2 N	23.9 E	-2.7	62.9	22.3	4.90
11	4823.0	12.10	297.3	4819.5	61.0 N	18.3 E	3.6	63.7	16.7	2.41
12	4853.0	12.30	297.5	4848.8	63.9 N	12.6 E	9.9	65.2	11.2	0.68
13	4885.0	13.60	292.2	4880.0	66.9 N	6.1 E	17.0	67.2	5.2	5.50
14	4915.0	15.00	293.4	4909.1	69.8 N	0.7 W	24.4	69.8	359.4	4.77
15	4946.0	16.10	295.4	4939.0	73.2 N	8.3 W	32.7	73.7	353.6	3.95
16	4976.0	16.70	296.2	4967.7	76.9 N	15.9 W	41.1	78.5	348.3	2.14
17	5006.0	17.00	296.5	4996.5	80.8 N	23.7 W	49.8	84.2	343.7	1.04
18	5037.0	16.70	297.0	5026.1	84.8 N	31.7 W	58.7	90.6	339.5	1.07
19	5068.0	16.70	297.1	5055.8	88.9 N	39.6 W	67.5	97.3	336.0	0.09
20	5100.0	16.70	296.5	5086.5	93.0 N	47.8 W	76.7	104.6	332.8	0.54
21	5162.0	16.30	297.4	5145.9	101.0 N	63.5 W	94.1	119.3	327.8	0.77
22	5225.0	16.30	297.2	5206.4	109.1 N	79.3 W	111.7	134.9	324.0	0.09
23	5288.0	16.10	297.7	5266.9	117.2 N	94.9 W	129.1	150.8	321.0	0.39
24	5351.0	16.30	297.2	5327.4	125.3 N	110.4 W	146.5	167.0	318.6	0.39
25	5414.0	16.10	297.2	5387.9	133.3 N	126.1 W	163.9	183.5	316.6	0.32
26	5477.0	16.00	297.7	5448.4	141.4 N	141.5 W	181.2	200.1	315.0	0.27
27	5540.0	16.00	297.9	5509.0	149.5 N	156.9 W	198.4	216.7	313.6	0.09
28	5602.0	15.90	297.1	5568.6	157.3 N	172.0 W	215.3	233.1	312.4	0.39
29	5665.0	15.90	297.2	5629.2	165.2 N	187.4 W	232.4	249.8	311.4	0.04
30	5727.0	16.10	298.0	5688.8	173.1 N	202.5 W	249.4	266.4	310.5	0.48
31	5790.0	15.60	298.1	5749.4	181.2 N	217.7 W	266.4	283.3	309.8	0.79
32	5853.0	15.50	298.3	5810.1	189.2 N	232.6 W	283.1	299.8	309.1	0.18
33	5916.0	15.40	298.6	5870.8	197.2 N	247.3 W	299.7	316.3	308.6	0.20
34	5979.0	15.40	299.1	5931.6	205.3 N	262.0 W	316.2	332.8	308.1	0.21
35	6039.0	15.30	299.0	5989.4	213.0 N	275.9 W	331.9	348.5	307.7	0.17
36	6103.0	15.20	298.7	6051.1	221.1 N	290.6 W	348.5	365.2	307.3	0.20
37	6165.0	15.10	298.9	6111.0	228.9 N	304.8 W	364.5	381.2	306.9	0.18
38	6227.0	14.90	299.0	6170.9	236.7 N	318.9 W	380.4	397.1	306.6	0.33

ANADRILL DISPLACEMENT CALCULATION

JUSTICE 25 FED. #2

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tn	M.Depth	Drift	Azmth	TVD	U.S. Units		Vsectn	ClsDisp	ClsAz	DLgSv
					N/S Lat	E/W Dep				
38	6227.0	14.90	299.0	6170.9	236.7 N	318.9 W				
39	6289.0	14.70	299.2	6230.8	244.4 N	332.7 W	396.0	412.8	306.3	0.33
40	6352.0	14.80	299.4	6291.8	252.2 N	346.7 W	411.8	428.7	306.0	0.18
41	6415.0	14.60	299.3	6352.7	260.1 N	360.6 W	427.6	444.6	305.8	0.32
42	6477.0	14.50	298.1	6412.7	267.5 N	374.3 W	443.0	460.1	305.6	0.51
43	6540.0	14.30	298.2	6473.7	274.9 N	388.1 W	458.5	475.6	305.3	0.32
44	6601.0	14.30	297.6	6532.8	282.0 N	401.4 W	473.4	490.6	305.1	0.24
45	6663.0	14.00	297.7	6593.0	289.0 N	414.8 W	488.5	505.6	304.9	0.49
46	6725.0	13.80	297.8	6653.1	296.0 N	428.0 W	503.2	520.4	304.7	0.32
47	6788.0	13.60	298.2	6714.3	303.0 N	441.2 W	518.0	535.2	304.5	0.35
48	6818.0	13.20	297.7	6743.5	306.2 N	447.3 W	524.9	542.1	304.4	1.39
49	6860.0	13.20	297.7	6784.4	310.7 N	455.8 W	534.4	551.6	304.3	0.00

Calculations are done by the method of Minimum Radius of Curvature.
All distances are measured with respect to the top of the hole.

Using U.S. units

Vertical Section is calculated along the Target line at 289.9 degrees Azimuth.
Dog Leg Severity is in degrees per 100 ft.

* Indicates station readings are interpolated or extrapolated.

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

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

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Dept.

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

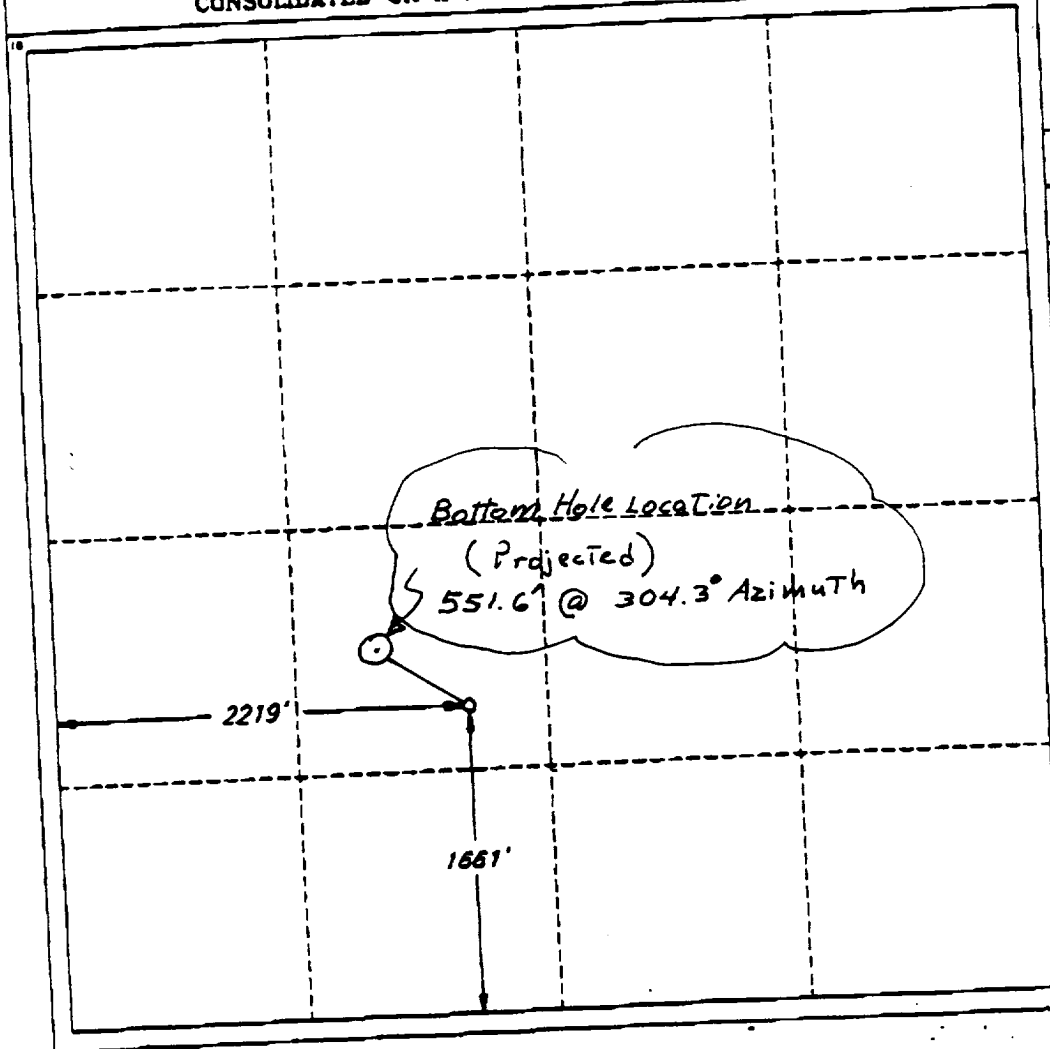
Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name JUSTICE 25 FEDERAL				6 Well Number 2			
7 OGRID No. 26485		8 Operator Name BURLINGTON RESOURCES OIL & GAS CO.				9 Elevation 3058'			
* SURFACE LOCATION									
UL or lot no. K	Section 25	Township 25 SOUTH	Range 37 EAST, N.M.P.M.	Lot Ida	Feet from the 1861'	North/South line SOUTH	Feet from the 2219'	East/West line WEST	County LEA
" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no. K	Section 25	Township 25S	Range 37E	Lot Ida	Feet from the 1930'	North/South line South	Feet from the 1930'	East/West line West	County
12 Dedicated Acres 160		13 Joint or Infill		14 Consolidation Code		15 Order No. 1972			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature
Donna Williams
Printed Name
Regulatory Compliance
Title
6/3/97
Date

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
Professional Seal
12128
Certificate
ROGER M. ROBBINS P.S. #12128
JOB #51660 / 20 SW / JSJ