

Deviation Report

Name of Company	Address	
Burlington Resources Oil & Gas Company	P.O. Box 4289, Farmington, NM 87499	
Lease Name and Number (API Number)	Location	Sec. Twn. Rgc.
CUNDIFF #100 (30-045-31794)	955 1000 FNL 930 FEL	19-032N-012W
Pool and Formation	County	State
BASIN FRUITLAND COAL	SAN JUAN	NEW MEXICO

(OH)

<u>Depth (ft)</u>	<u>Deviation (degrees)</u>
60	0.75
100	0.68
120	1.00
200	1.26
242	1.75
300	2.46
400	2.84
455	3.00
500	3.41
548	3.50
600	3.63
642	3.25
700	4.09
737	3.00
800	4.24
831	3.25
900	5.02
925	4.25
1,000	5.46
1,020	5.50
1,082	5.50
1,100	5.31
1,146	5.25
1,200	5.41
1,209	5.25
1,273	6.00
1,300	6.75
1,343	7.00
1,400	7.00
1,423	7.75
1,486	6.25
1,500	6.38
1,549	6.25
1,600	7.37
1,612	7.25
1,674	5.00
1,700	9.41
1,737	10.00
1,800	10.25
1,800	11.21
1,863	11.25
1,900	10.56
1,925	10.25
2,000	9.39
2,030	10.00

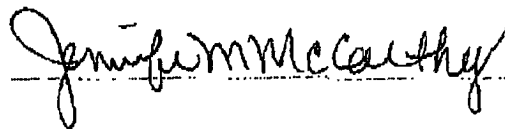
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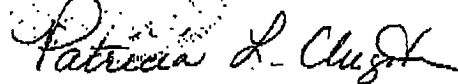
(OH)

Depth (ft)Deviation (degrees)Air Hammer Used? YES / NO NO

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer for Burlington Resources Oil & Gas Company, am authorized by said Company to make this report; and that this report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



Subscribed and sworn to before me this 4th day of April, 2005.



Notary Public in and for San Juan County, New Mexico

My commission expires September 15, 2008.

BURLINGTON RESOURCES OIL & GAS - SJD

Deviation Summary

Legal Well Name: CUNDIFF #100
 Common Well Name: CUNDIFF #100
 Event Name: ORIG DRLG
 Contractor Name: BEARCAT
 RIG Name: BEARCAT
 TVD: 2,000.00 (ft)
 Spud Date: 1/21/2005
 Start: 1/21/2005
 End: 2/2/2005
 Rig Release: 2/2/2005
 Rig Number: 4
 Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BLR (°/100ft)	Type
OH	100.00	0.680	352.330	YNN	100.00	0.59	-0.08	0.59	0.68	0.68	GS
OH	200.00	1.260	356.320	YNN	199.98	2.27	-0.23	2.27	0.58	0.58	GS
OH	300.00	2.460	4.870	YNN	289.93	5.51	-0.12	5.51	1.23	1.20	GS
OH	400.00	2.840	1.200	YNN	399.82	10.12	0.12	10.12	0.42	0.38	GS
OH	500.00	3.410	358.380	YNN	498.67	15.58	0.14	15.58	0.59	0.57	GS
OH	600.00	3.630	355.190	YNN	599.46	21.70	-0.16	21.70	0.34	0.22	GS
OH	700.00	4.090	356.040	YNN	699.26	28.42	-0.87	28.42	0.46	0.46	GS
OH	800.00	4.240	353.820	YNN	798.99	35.85	-1.32	35.85	0.22	0.15	GS
OH	900.00	5.020	348.000	YNN	898.67	43.80	-2.62	43.80	0.91	0.78	GS
OH	1,000.00	5.460	347.280	YNN	998.25	52.52	-4.58	52.52	0.44	0.44	GS
OH	1,100.00	5.310	348.250	YNN	1,097.81	61.69	-8.57	61.69	0.16	-0.15	GS
OH	1,200.00	5.410	348.610	YNN	1,197.37	70.85	-8.45	70.85	0.11	0.10	GS
OH	1,300.00	6.750	351.590	YNN	1,298.80	81.26	-10.24	81.26	1.38	1.34	GS
OH	1,400.00	7.000	348.660	YNN	1,398.09	93.09	-12.19	93.09	0.34	0.25	GS
OH	1,500.00	6.380	348.970	YNN	1,495.40	104.54	-14.35	104.54	0.63	-0.62	GS
OH	1,600.00	7.370	346.380	YNN	1,594.68	116.23	-16.92	116.23	1.04	0.98	GS
OH	1,700.00	9.410	346.080	YNN	1,693.61	130.40	-20.40	130.40	2.04	2.04	GS
OH	1,800.00	11.210	345.510	YNN	1,791.99	147.74	-24.79	147.74	1.80	1.80	GS
OH	1,900.00	10.580	345.220	YNN	1,890.18	166.01	-29.56	166.01	0.65	-0.65	GS
OH	2,000.00	9.390	343.660	YNN	1,988.85	182.70	-34.20	182.70	1.20	-1.17	GS

BURLINGTON RESOURCES OIL & GAS - SJD

Page 1 of 2

Deviation Summary

Legal Well Name:		CUNDIFF #100	Spud Date:	1/21/2005	SJT #	V.S. AZI (°)
Common Well Name:		CUNDIFF #100	Start:	1/21/2005	OH	0.00
Event Name:		ORIG DRLG	End:	2/2/2005		
Contractor Name:		BEARCAT	Rig Release:	2/2/2005		
Rig Name:		BEARCAT	Rig Number:	4		
TMD: 2,000.00 (ft)		TVD: 1,988.68 (ft)	Calculation Method: Minimum Curvature			

SJT #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	M/S (ft)	E/W (ft)	Section (ft)	DLS (°/100ft)	BLR (°/100ft)	Type
OH	0.00	0.000	0.000	NYN	0.00	0.00	0.00	0.00	0.00	0.00	TC
OH	60.00	0.750	0.000	YNN	60.00	0.39	0.00	0.39	1.25	1.25	TC
OH	120.00	1.000	0.000	YNN	119.99	1.31	0.00	1.31	0.42	0.42	TC
OH	242.00	1.750	0.000	YNN	241.98	4.24	0.00	4.24	0.61	0.61	TC
OH	455.00	3.000	0.000	YNN	454.77	13.08	0.00	13.08	0.59	0.59	TC
OH	648.00	3.500	0.000	YNN	647.62	18.34	0.00	18.34	0.54	0.54	TC
OH	842.00	3.250	0.000	YNN	841.46	23.87	0.00	23.87	0.27	0.27	TC
OH	737.00	3.000	0.000	YNN	736.31	29.05	0.00	29.05	0.29	0.29	TC
OH	831.00	3.250	0.000	YNN	830.17	34.17	0.00	34.17	0.27	0.27	TC
OH	925.00	4.250	0.000	YNN	923.87	40.32	0.00	40.32	1.06	1.06	TC
OH	1,020.00	5.500	0.000	YNN	1,018.83	48.39	0.00	48.39	1.32	1.32	TC
OH	1,082.00	5.500	0.000	YNN	1,080.34	54.34	0.00	54.34	0.00	0.00	TC
OH	1,146.00	5.250	0.000	YNN	1,144.06	60.33	0.00	60.33	0.39	0.39	TC
OH	1,209.00	6.250	0.000	YNN	1,206.79	66.10	0.00	66.10	0.00	0.00	TC
OH	1,273.00	6.000	0.000	YNN	1,270.49	72.37	0.00	72.37	1.17	1.17	TC
OH	1,343.00	7.000	0.000	YNN	1,340.04	80.28	0.00	80.29	1.43	1.43	TC
OH	1,423.00	7.750	0.000	YNN	1,419.37	89.56	0.00	90.56	0.94	0.94	TC
OH	1,486.00	6.250	0.000	YNN	1,481.80	98.24	0.00	98.24	2.38	2.38	TC
OH	1,549.00	0.000	0.000	YNY	0.00	0.00	0.00	0.00	0.00	0.00	TC
OH	1,549.00	0.000	0.000	YNN	1,544.53	105.10	0.00	105.10	0.00	0.00	TC
OH	1,612.00	7.250	0.000	YNN	1,607.09	112.50	0.00	112.50	1.59	1.59	TC
OH	1,674.00	5.000	0.000	YNN	1,668.73	119.12	0.00	119.12	3.63	3.63	TC
OH	1,737.00	10.000	0.000	YNN	1,731.17	127.34	0.00	127.34	7.94	7.94	TC
OH	1,800.00	10.250	0.000	YNN	1,793.19	138.41	0.00	138.41	0.40	0.40	TC
OH	1,863.00	11.250	0.000	YNN	1,855.09	150.16	0.00	150.16	1.59	1.59	TC
OH	1,925.00	10.250	0.000	YNN	1,918.00	161.73	0.00	161.73	1.51	1.51	TC
OH	2,030.00	10.000	0.000	YNN	2,019.36	180.19	0.00	180.19	0.24	0.24	TC
OH	0.00	0.000	0.000	NYN	0.00	0.00	0.00	0.00	0.00	0.00	TC