

30-045-32937

NC 103S Surveys.txt

Report Date: 12-Sep-2005
 Client: BURLINGTON RESOURCES
 Field: SAN JUAN
 Structure / Slot: SEC.2-T31N-R8W / NC 103S
 Well: NC 103S
 Borehole: NC 103S (AWB)
 UWI/API#: NC 103S (AWP#1)
 Wellpath Name: New Mexico State Planes, Western Zone
 Grid Coordinate System: N36 55 44.2800, W107 38 9.0300
 Location Lat/Long: 2157469.1845 ft, 557724.2082 ft
 Location Grid N/E Y/X: 0.12 deg
 Grid Convergence Angle: 0.999920
 Grid Scale Factor: Minimum Curvature
 Survey / DLS Computation Method: 116.16 deg
 Vertical Azimuth: 0.00N, 0.00E
 Vertical Section Origin: RKB
 TVD Reference Datum: Rig (Datum #2 2.0ft above Mean Sea Level)
 TVD Reference Elevation: 0.00 ft to Mean Sea Level
 Sea Bed / Ground Level Elevation: 10.63 deg
 Magnetic Declination: 51516.88
 Total Field Strength: 63.81 deg
 Magnetic Dip: 26-Jul-2005
 Declination Date: BGS Global Geomagnetic Model
 Magnetic Declination Model: [1945.0-2006.0]
 North Reference: True
 Total Corr Mag North to True North: 10.63 deg
 Local Coordinates Referenced To: Slot

Grid Coordinates			Geographic Coordinates			N/-S Comment	E/-W (ft)	DLS (deg/100ft)
MD North (ft)	Inc Easting (deg)	Azi (deg)	TVD Latitude (ft)	TVD(SS) (ft)	VS Longitude (ft)			
0.00	0.00	0.00	0.00	-2.00	0.00	0.00	0.00	0.00
2157469.18	557724.21		N36 55 44.2800	W107 38 9.0300				
298.00	0.40	313.70	298.00	296.00	-0.99	0.72	-0.75	0.13
2157469.90	557723.45		N36 55 44.2871	W107 38 9.0393				
327.00	0.30	324.20	327.00	325.00	-1.16	0.85	-0.87	0.41
2157470.03	557723.34		N36 55 44.2884	W107 38 9.0407				
358.00	0.30	91.10	358.00	356.00	-1.15	0.91	-0.84	1.73
2157470.10	557723.37		N36 55 44.2890	W107 38 9.0403				
387.00	0.90	114.70	387.00	385.00	-0.86	0.82	-0.55	2.19
2157470.00	557723.65		N36 55 44.2881	W107 38 9.0368				
417.00	1.80	116.50	416.99	414.99	-0.15	0.51	0.08	3.00
2157469.69	557724.29		N36 55 44.2850	W107 38 9.0290				
448.00	2.70	118.90	447.96	445.96	1.07	-0.06	1.16	2.92
2157469.13	557725.37		N36 55 44.2794	W107 38 9.0157				
478.00	3.70	117.90	477.92	475.92	2.74	-0.85	2.63	3.34
2157468.33	557726.84		N36 55 44.2715	W107 38 8.9976				
509.00	4.70	118.90	508.83	506.83	5.01	-1.94	4.63	3.23
2157467.26	557728.84		N36 55 44.2608	W107 38 8.9730				
540.00	6.10	118.60	539.69	537.69	7.92	-3.34	7.19	4.52
2157465.86	557731.40		N36 55 44.2470	W107 38 8.9415				
570.00	7.50	117.20	569.48	567.48	11.47	-5.00	10.33	4.70
2157464.21	557734.54		N36 55 44.2306	W107 38 8.9028				
601.00	9.30	115.40	600.15	598.15	16.00	-7.00	14.39	5.87
2157462.22	557738.61		N36 55 44.2108	W107 38 8.8528				
632.00	11.20	114.00	630.65	628.65	21.51	-9.30	19.40	6.18
2157459.93	557743.63		N36 55 44.1881	W107 38 8.7910				
663.00	12.90	112.90	660.97	658.97	27.98	-11.87	25.34	5.53
2157457.37	557749.57		N36 55 44.1627	W107 38 8.7179				

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. Rge.	
NEGRO CANYON #103S (30-045-32937)	1395 FNL 170 FEL	01-031N-008W	
Pool and Formation	County	State	
BASIN FRUITLAND COAL	SAN JUAN	NEW MEXICO	

(OH)

Root Coordinants

<u>TMD (ft)</u>	<u>Degrees</u>	<u>Azimuth</u>	<u>TVD (ft)</u>	<u>N/-S</u>	<u>E/-W</u>	<u>Dogleg</u>	<u>Vert. Section (ft)</u>
70	1.00	0.00	70.00	0.61	0.00	1.43	-0.27
159	1.00	0.00	158.98	2.16	0.00	0.00	-0.96
241	1.00	0.00	240.97	3.60	0.00	0.00	-1.59
298	0.44	313.70	298.00	0.79	-0.83	0.15	-1.09
327	0.30	324.20	327.00	0.93	-0.95	0.53	-1.26
358	0.30	91.10	358.00	0.99	-0.92	1.73	-1.26
387	0.90	114.70	386.99	0.90	-0.64	2.19	-0.97
417	1.80	116.50	416.99	0.59	0.00	3.00	-0.26
448	2.70	118.90	447.96	0.02	1.08	2.92	0.96
478	3.70	117.90	477.91	-0.78	2.55	3.34	2.63
509	4.70	118.90	508.83	-1.86	4.55	3.23	4.90
540	6.10	118.60	539.69	-3.26	7.10	4.52	7.81
570	7.50	117.20	569.48	-4.92	10.24	4.70	11.36
601	9.30	115.40	600.15	-6.92	14.31	5.87	15.89
632	11.20	114.00	630.65	-9.22	19.32	6.18	21.40
663	12.90	112.90	660.97	-11.79	25.26	5.53	27.87
692	14.80	112.60	689.12	-14.47	31.66	6.56	34.80
722	16.40	112.90	718.02	-17.59	39.10	5.34	42.85
753	18.30	113.30	747.60	-21.22	47.60	6.14	52.08
784	20.00	113.60	776.89	-25.27	56.93	5.49	62.24
814	21.70	114.70	804.92	-29.64	66.67	5.81	72.91
845	23.50	115.00	833.54	-34.65	77.48	5.82	84.82
876	25.20	115.70	861.78	-40.12	89.03	5.56	97.60
907	27.20	116.10	889.60	-46.10	101.34	6.48	111.28
937	29.10	116.50	916.05	-52.37	114.03	6.36	125.43
968	30.90	117.20	942.89	-59.38	127.85	5.92	140.93
998	32.60	117.50	968.40	-66.63	141.88	5.69	156.71
1,029	34.60	117.90	994.22	-74.61	157.06	6.49	173.86
1,060	36.30	117.90	1,019.47	-83.02	172.95	5.48	191.83
1,091	38.20	117.50	1,044.15	-91.74	189.57	6.18	210.59
1,122	40.20	117.20	1,068.17	-100.74	206.97	6.48	230.18
1,153	42.10	117.20	1,091.51	-110.06	225.11	6.13	250.57
1,185	43.90	116.80	1,114.91	-119.97	244.56	5.69	272.40
1,216	45.80	116.80	1,136.89	-129.83	264.07	6.13	294.26
1,247	47.80	116.50	1,158.11	-139.96	284.27	6.49	316.85
1,278	49.70	116.10	1,178.55	-150.29	305.16	6.21	340.16
1,309	51.70	116.10	1,198.18	-160.84	326.70	6.45	364.15
1,341	53.60	116.50	1,217.60	-172.11	349.50	6.02	389.58
1,372	55.60	116.50	1,235.55	-183.38	372.12	6.45	414.85
1,403	56.50	116.50	1,252.87	-194.86	395.13	2.90	440.57
1,435	56.90	116.10	1,270.43	-206.71	419.11	1.63	467.31
1,529	57.40	115.10	1,321.42	-240.83	490.32	1.04	546.27
1,622	56.70	116.80	1,372.01	-274.97	560.49	1.71	624.31

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. Rge.
NEGRO CANYON #103S (30-045-32937)	1395 FNL 170 FEL	01-031N-008W
Pool and Formation	County	State
BASIN FRUITLAND COAL	SAN JUAN	NEW MEXICO

(OH)

Root Coordinants

<u>TMD (ft)</u>	<u>Degrees</u>	<u>Azimuth</u>	<u>TVD (ft)</u>	<u>N/-S</u>	<u>E/-W</u>	<u>Dogleg</u>	<u>Vert. Section (ft)</u>
1,716	56.50	116.50	1,423.76	-310.17	630.63	0.34	702.78
1,810	57.50	116.50	1,474.95	-345.35	701.18	1.06	781.61
1,904	58.20	115.40	1,524.97	-380.17	772.74	1.24	861.20
1,997	58.10	115.00	1,574.05	-413.80	844.22	0.38	940.18
2,091	57.90	115.40	1,623.86	-447.74	916.35	0.42	1019.88
2,183	57.20	116.80	1,673.23	-481.89	986.07	1.49	1097.52
2,274	58.00	115.70	1,721.99	-515.87	1054.98	1.35	1174.35
2,366	58.00	116.10	1,770.74	-549.95	1125.16	0.37	1252.37
2,458	58.60	116.10	1,819.08	-584.39	1195.45	0.65	1330.64
2,583	58.00	116.10	1,884.77	-631.18	1290.96	0.48	1436.99
2,677	57.70	117.10	1,934.79	-666.81	1362.12	0.96	1516.57
2,771	58.00	116.50	1,984.81	-702.69	1433.16	0.63	1596.15
2,866	58.70	116.80	2,034.66	-738.97	1505.44	0.78	1677.02
2,960	57.60	116.10	2,084.26	-774.53	1576.92	1.33	1756.87
3,053	57.10	115.40	2,134.44	-808.55	1647.45	0.83	1835.17
3,147	56.50	116.10	2,185.91	-842.72	1718.29	0.89	1913.82
3,241	57.30	116.50	2,237.24	-877.61	1788.89	0.92	1992.56
3,335	58.40	116.10	2,287.26	-912.87	1860.23	1.22	2072.15
3,428	57.60	116.10	2,336.54	-947.57	1931.06	0.86	2151.02
3,522	56.30	117.90	2,387.81	-983.33	2001.26	2.12	2229.79
3,615	55.90	117.50	2,439.68	-1019.21	2069.60	0.56	2306.96
3,709	56.30	117.20	2,492.11	-1055.06	2138.90	0.50	2384.96
3,803	55.50	116.50	2,544.81	-1090.21	2208.35	1.05	2462.79
3,897	55.30	116.80	2,598.19	-1124.92	2277.50	0.34	2540.17
3,959	55.80	116.80	2,633.26	-1147.97	2323.14	0.81	2591.29
3,991	55.60	117.00	2,651.29	-1159.93	2346.71	0.81	2617.72
4,022	54.00	115.40	2,669.16	-1171.12	2369.44	6.67	2643.05
4,053	51.90	116.50	2,687.84	-1181.94	2391.68	7.34	2667.79
4,084	49.90	116.10	2,707.39	-1192.60	2413.25	6.53	2691.85
4,115	48.60	115.40	2,727.62	-1202.80	2434.40	4.53	2715.33
4,147	47.50	115.00	2,749.01	-1212.94	2455.93	3.56	2739.13
4,177	45.20	115.40	2,769.72	-1222.18	2475.57	7.73	2760.83
4,207	43.00	115.40	2,791.26	-1231.13	2494.43	7.33	2781.70
4,239	40.90	115.70	2,815.06	-1240.35	2513.73	6.59	2803.09
4,270	39.00	116.10	2,838.82	-1249.05	2531.64	6.18	2823.00
4,302	37.30	116.80	2,863.99	-1257.85	2549.34	5.48	2842.76
4,333	35.60	116.50	2,888.92	-1266.11	2565.80	5.51	2861.18
4,364	33.60	116.80	2,914.44	-1274.01	2581.53	6.48	2878.78
4,395	31.80	116.80	2,940.53	-1281.56	2596.48	5.81	2895.53
4,426	30.70	115.70	2,967.03	-1288.67	2610.90	4.00	2911.61
4,456	30.60	114.70	2,992.84	-1295.18	2624.74	1.73	2926.90
4,486	31.20	112.60	3,018.58	-1301.36	2638.85	4.11	2942.29
4,517	31.60	109.40	3,045.04	-1307.14	2653.92	5.53	2958.36

Deviation Report

Name of Company Burlington Resources Oil & Gas Company	Address P.O. Box 4289, Farmington, NM 87499	
Lease Name and Number (API Number) NEGRO CANYON #103S (30-045-32937)	Location 1395 FNL 170 FEL	Sec. Twn. Rge. 01-031N-008W
Pool and Formation BASIN FRUITLAND COAL	County SAN JUAN	State NEW MEXICO

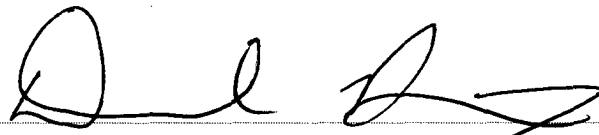
(OH)

Root Coordinants

<u>TMD (ft)</u>	<u>Degrees</u>	<u>Azimuth</u>	<u>TVD (ft)</u>	<u>N-S</u>	<u>E-W</u>	<u>Dogleg</u>	<u>Vert. Section (ft)</u>
4,549	30.10	107.10	3,072.51	-1312.29	2669.50	5.96	2974.61
4,580	28.40	109.40	3,099.56	-1317.02	2683.88	6.57	2989.61
4,611	26.50	111.50	3,127.07	-1322.01	2697.27	6.88	3003.82
4,643	24.80	114.00	3,155.92	-1327.35	2710.05	6.30	3017.65
4,674	23.40	115.40	3,184.21	-1332.64	2721.55	4.88	3030.30
4,705	21.70	117.40	3,212.84	-1337.92	2732.20	6.02	3042.18
4,736	19.90	119.30	3,241.82	-1343.14	2741.89	6.20	3053.18
4,768	17.90	121.10	3,272.10	-1348.34	2750.85	6.51	3063.52
4,799	16.00	123.30	3,301.75	-1353.15	2758.50	6.47	3072.51
4,830	14.00	121.10	3,331.69	-1357.43	2765.28	6.71	3080.49
4,861	11.90	119.60	3,361.90	-1360.95	2771.28	6.86	3087.42
4,891	9.80	118.10	3,391.36	-1363.68	2776.22	7.06	3093.06
4,921	7.70	116.60	3,421.01	-1365.78	2780.27	7.04	3097.62

Air Hammer Used? YES / 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 27th day of September, 2005.



Notary Public in and for San Juan County, New Mexico

My commission expires March 31, 2006.



BURLINGTON RESOURCES OIL & GAS - SJD

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Deviation Summary

Legal Well Name: NEGRO CANYON #103S
Common Well Name: NEGRO CANYON #103S
Event Name: ORIG DRLG
Contractor Name: AZTEC WELL SERVICE
Rig Name: AZTEC

Spud Date: 8/10/2005
Start: 8/8/2005
End: 8/27/2005
Rig Release: 8/27/2005
Rig Number: 673

TMD: 4,921.00 (ft) TVD: 3,421.01 (ft)

Calculation Method: Minimum Curvature

S/T # V.S. AZI (°)

OH 116.23

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.00	0.000	0.000	NYN	0.00	0.00	0.00	0.00	0.00	0.00	IN
OH	70.00	1.000	0.000	YNN	70.00	0.61	0.00	-0.27	1.43	1.43	IN
OH	159.00	1.000	0.000	YNN	158.98	2.16	0.00	-0.96	0.00	0.00	IN
OH	241.00	1.000	0.000	YNN	240.97	3.60	0.00	-1.59	0.00	0.00	IN
OH	0.00	0.000	0.000	NYN	0.00	0.00	0.00	0.00	0.00	0.00	MD
OH	298.00	0.440	313.700	YNN	298.00	0.79	-0.83	-1.09	0.15	0.15	MD
OH	327.00	0.300	324.200	YNN	327.00	0.93	-0.95	-1.26	0.53	-0.48	MD
OH	358.00	0.300	91.100	YNN	358.00	0.99	-0.92	-1.26	1.73	0.00	MD
OH	387.00	0.900	114.700	YNN	386.99	0.90	-0.64	-0.97	2.19	2.07	MD
OH	417.00	1.800	116.500	YNN	416.99	0.59	0.00	-0.26	3.00	3.00	MD
OH	448.00	2.700	118.900	YNN	447.96	0.02	1.08	0.96	2.92	2.90	MD
OH	478.00	3.700	117.900	YNN	477.91	-0.78	2.55	2.63	3.34	3.33	MD
OH	509.00	4.700	118.900	YNN	508.83	-1.86	4.55	4.90	3.23	3.23	MD
OH	540.00	6.100	118.600	YNN	539.69	-3.26	7.10	7.81	4.52	4.52	MD
OH	570.00	7.500	117.200	YNN	569.48	-4.92	10.24	11.36	4.70	4.67	MD
OH	601.00	9.300	115.400	YNN	600.15	-6.92	14.31	15.89	5.87	5.81	MD
OH	632.00	11.200	114.000	YNN	630.65	-9.22	19.32	21.40	6.18	6.13	MD
OH	663.00	12.900	112.900	YNN	660.97	-11.79	25.26	27.87	5.53	5.48	MD
OH	692.00	14.800	112.600	YNN	689.12	-14.47	31.66	34.80	6.56	6.55	MD
OH	722.00	16.400	112.900	YNN	718.02	-17.59	39.10	42.85	5.34	5.33	MD
OH	753.00	18.300	113.300	YNN	747.60	-21.22	47.60	52.08	6.14	6.13	MD
OH	784.00	20.000	113.600	YNN	776.89	-25.27	56.93	62.24	5.49	5.48	MD
OH	814.00	21.700	114.700	YNN	804.92	-29.64	66.67	72.91	5.81	5.67	MD
OH	845.00	23.500	115.000	YNN	833.54	-34.65	77.48	84.82	5.82	5.81	MD
OH	876.00	25.200	115.700	YNN	861.78	-40.12	89.03	97.60	5.56	5.48	MD
OH	907.00	27.200	116.100	YNN	889.60	-46.10	101.34	111.28	6.48	6.45	MD
OH	937.00	29.100	116.500	YNN	916.05	-52.37	114.03	125.43	6.36	6.33	MD
OH	968.00	30.900	117.200	YNN	942.89	-59.38	127.85	140.93	5.92	5.81	MD

BURLINGTON RESOURCES OIL & GAS - SJD

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Deviation Summary

Legal Well Name: NEGRO CANYON #103S
 Common Well Name: NEGRO CANYON #103S
 Event Name: ORIG DRLG
 Contractor Name: AZTEC WELL SERVICE
 Rig Name: AZTEC

Spud Date: 8/10/2005
 Start: 8/8/2005
 End: 8/27/2005
 Rig Release: 8/27/2005
 Rig Number: 673

S/T # OH
 V.S. AZI (°) 116.23

TVD: 4,921.00 (ft)
 TVD: 3,421.01 (ft)
 Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	998.00	32.600	117.500	YNN	968.40	-66.63	141.88	156.71	5.69	5.67	MD
OH	1,029.00	34.600	117.900	YNN	994.22	-74.61	157.06	173.86	6.49	6.45	MD
OH	1,060.00	36.300	117.900	YNN	1,019.47	-83.02	172.95	191.83	5.48	5.48	MD
OH	1,091.00	38.200	117.500	YNN	1,044.15	-91.74	189.57	210.59	6.18	6.13	MD
OH	1,122.00	40.200	117.200	YNN	1,068.17	-100.74	206.97	230.18	6.48	6.45	MD
OH	1,153.00	42.100	117.200	YNN	1,091.51	-110.06	225.11	250.57	6.13	6.13	MD
OH	1,185.00	43.900	116.800	YNN	1,114.91	-119.97	244.56	272.40	5.69	5.63	MD
OH	1,216.00	45.800	116.800	YNN	1,136.89	-129.83	264.07	294.26	6.13	6.13	MD
OH	1,247.00	47.800	116.500	YNN	1,158.11	-139.96	284.27	316.85	6.49	6.45	MD
OH	1,278.00	49.700	116.100	YNN	1,178.55	-150.29	305.16	340.16	6.21	6.13	MD
OH	1,309.00	51.700	116.100	YNN	1,198.18	-160.84	326.70	364.15	6.45	6.45	MD
OH	1,341.00	53.600	116.500	YNN	1,217.60	-172.11	349.50	389.58	6.02	5.94	MD
OH	1,372.00	55.600	116.500	YNN	1,235.55	-183.38	372.12	414.85	6.45	6.45	MD
OH	1,403.00	56.500	116.500	YNN	1,252.87	-194.86	395.13	440.57	2.90	2.90	MD
OH	1,435.00	56.900	116.100	YNN	1,270.43	-206.71	419.11	467.31	1.63	1.25	MD
OH	1,529.00	57.400	115.100	YNN	1,321.42	-240.83	490.32	546.27	1.04	0.53	MD
OH	1,622.00	56.700	116.800	YNN	1,372.01	-274.97	560.49	624.31	1.71	-0.75	MD
OH	1,716.00	56.500	116.500	YNN	1,423.76	-310.17	630.63	702.78	0.34	-0.21	MD
OH	1,810.00	57.500	116.500	YNN	1,474.95	-345.35	701.18	781.61	1.06	1.06	MD
OH	1,904.00	58.200	115.400	YNN	1,524.97	-380.17	772.74	861.20	1.24	0.74	MD
OH	1,997.00	58.100	115.000	YNN	1,574.05	-413.80	844.22	940.18	0.38	-0.11	MD
OH	2,091.00	57.900	115.400	YNN	1,623.86	-447.74	916.35	1,019.88	0.42	-0.21	MD
OH	2,183.00	57.200	116.800	YNN	1,673.23	-481.89	986.07	1,097.52	1.49	-0.76	MD
OH	2,274.00	58.000	115.700	YNN	1,721.99	-515.87	1,054.98	1,174.35	1.35	0.88	MD
OH	2,366.00	58.000	116.100	YNN	1,770.74	-549.95	1,125.16	1,252.37	0.37	0.00	MD
OH	2,458.00	58.600	116.100	YNN	1,819.08	-584.39	1,195.45	1,330.64	0.65	0.65	MD
OH	2,583.00	58.000	116.100	YNN	1,884.77	-631.18	1,290.96	1,436.99	0.48	-0.48	MD
OH	2,677.00	57.700	117.100	YNN	1,934.79	-666.81	1,362.12	1,516.57	0.96	-0.32	MD

BURLINGTON RESOURCES OIL & GAS - SJD

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Deviation Summary

Legal Well Name: NEGRO CANYON #103S
Common Well Name: NEGRO CANYON #103S
Event Name: ORIG DRLG
Contractor Name: AZTEC WELL SERVICE
Rig Name: AZTEC

Spud Date: 8/10/2005
Start: 8/8/2005
End: 8/27/2005
Rig Release: 8/27/2005
Rig Number: 673

S/T # OH
V.S. AZI (°) 116.23

Calculation Method: Minimum Curvature

TMD: 4,921.00 (ft) TVD: 3,421.01 (ft)

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	2,771.00	58.000	116.500	YNN	1,984.81	-702.69	1,433.16	1,596.15	0.63	0.32	MD
OH	2,866.00	58.700	116.800	YNN	2,034.66	-738.97	1,505.44	1,677.02	0.78	0.74	MD
OH	2,960.00	57.600	116.100	YNN	2,084.26	-774.53	1,576.92	1,756.87	1.33	-1.17	MD
OH	3,053.00	57.100	115.400	YNN	2,134.44	-808.55	1,647.45	1,835.17	0.83	-0.54	MD
OH	3,147.00	56.500	116.100	YNN	2,185.91	-842.72	1,718.29	1,913.82	0.89	-0.64	MD
OH	3,241.00	57.300	116.500	YNN	2,237.24	-877.61	1,788.89	1,992.56	0.92	0.85	MD
OH	3,335.00	58.400	116.100	YNN	2,287.26	-912.87	1,860.23	2,072.15	1.22	1.17	MD
OH	3,428.00	57.600	116.100	YNN	2,336.54	-947.57	1,931.06	2,151.02	0.86	-0.86	MD
OH	3,522.00	56.300	117.900	YNN	2,387.81	-983.33	2,001.26	2,229.79	2.12	-1.38	MD
OH	3,615.00	55.900	117.500	YNN	2,439.68	-1,019.21	2,069.60	2,306.96	0.56	-0.43	MD
OH	3,709.00	56.300	117.200	YNN	2,492.11	-1,055.06	2,138.90	2,384.96	0.50	0.43	MD
OH	3,803.00	55.500	116.500	YNN	2,544.81	-1,090.21	2,208.35	2,462.79	1.05	-0.85	MD
OH	3,897.00	55.300	116.800	YNN	2,598.19	-1,124.92	2,277.50	2,540.17	0.34	-0.21	MD
OH	3,959.00	55.800	116.800	YNN	2,633.26	-1,147.97	2,323.14	2,591.29	0.81	0.81	MD
OH	3,991.00	55.600	117.000	YNN	2,651.29	-1,159.93	2,346.71	2,617.72	0.81	-0.63	MD
OH	4,022.00	54.000	115.400	YNN	2,669.16	-1,171.12	2,369.44	2,643.05	6.67	-5.16	MD
OH	4,053.00	51.900	116.500	YNN	2,687.84	-1,181.94	2,391.68	2,667.79	7.34	-6.77	MD
OH	4,084.00	49.900	116.100	YNN	2,707.39	-1,192.60	2,413.25	2,691.85	6.53	-6.45	MD
OH	4,115.00	48.600	115.400	YNN	2,727.62	-1,202.80	2,434.40	2,715.33	4.53	-4.19	MD
OH	4,147.00	47.500	115.000	YNN	2,749.01	-1,212.94	2,455.93	2,739.13	3.56	-3.44	MD
OH	4,177.00	45.200	115.400	YNN	2,769.72	-1,222.18	2,475.57	2,760.83	7.73	-7.67	MD
OH	4,207.00	43.000	115.400	YNN	2,791.26	-1,231.13	2,494.43	2,781.70	7.33	-7.33	MD
OH	4,239.00	40.900	115.700	YNN	2,815.06	-1,240.35	2,513.73	2,803.09	6.59	-6.56	MD
OH	4,270.00	39.000	116.100	YNN	2,838.82	-1,249.05	2,531.64	2,823.00	6.18	-6.13	MD
OH	4,302.00	37.300	116.800	YNN	2,863.99	-1,257.85	2,549.34	2,842.76	5.48	-5.31	MD
OH	4,333.00	35.600	116.500	YNN	2,888.92	-1,266.11	2,565.80	2,861.18	5.51	-5.48	MD
OH	4,364.00	33.600	116.800	YNN	2,914.44	-1,274.01	2,581.53	2,878.78	6.47	-6.45	MD
OH	4,395.00	31.800	116.800	YNN	2,940.53	-1,281.56	2,596.48	2,895.53	5.81	-5.81	MD

BURLINGTON RESOURCES OIL & GAS - SJD

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Deviation Summary

Legal Well Name: NEGRO CANYON #103S
Common Well Name: NEGRO CANYON #103S
Event Name: ORIG DRLG
Contractor Name: AZTEC WELL SERVICE
Rig Name: AZTEC

Spud Date: 8/10/2005
Start: 8/8/2005
End: 8/27/2005
Rig Release: 8/27/2005
Rig Number: 673

TMD: 4,921.00 (ft) TVD: 3,421.01 (ft)

Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N/S (ft)	E/W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	4,426.00	30.700	115.700	YNN	2,967.03	-1,288.67	2,610.90	2,911.61	4.00	-3.55	MD
OH	4,456.00	30.600	114.700	YNN	2,992.84	-1,295.18	2,624.74	2,926.90	1.73	-0.33	MD
OH	4,486.00	31.200	112.600	YNN	3,018.58	-1,301.36	2,638.85	2,942.29	4.11	2.00	MD
OH	4,517.00	31.600	109.400	YNN	3,045.04	-1,307.14	2,653.92	2,958.36	5.53	1.29	MD
OH	4,549.00	30.100	107.100	YNN	3,072.51	-1,312.29	2,669.50	2,974.61	5.96	-4.69	MD
OH	4,580.00	28.400	109.400	YNN	3,099.56	-1,317.02	2,683.88	2,989.61	6.57	-5.48	MD
OH	4,611.00	26.500	111.500	YNN	3,127.07	-1,322.01	2,697.27	3,003.82	6.88	-6.13	MD
OH	4,643.00	24.800	114.000	YNN	3,155.92	-1,327.35	2,710.05	3,017.65	6.30	-5.31	MD
OH	4,674.00	23.400	115.400	YNN	3,184.21	-1,332.64	2,721.55	3,030.30	4.88	-4.52	MD
OH	4,705.00	21.700	117.400	YNN	3,212.84	-1,337.92	2,732.20	3,042.18	6.02	-5.48	MD
OH	4,736.00	19.900	119.300	YNN	3,241.82	-1,343.14	2,741.89	3,053.18	6.20	-5.81	MD
OH	4,768.00	17.900	121.100	YNN	3,272.09	-1,348.34	2,750.85	3,063.52	6.51	-6.25	MD
OH	4,799.00	16.000	123.300	YNN	3,301.75	-1,353.15	2,758.50	3,072.51	6.47	-6.13	MD
OH	4,830.00	14.000	121.100	YNN	3,331.69	-1,357.43	2,765.28	3,080.49	6.71	-6.45	MD
OH	4,861.00	11.900	119.600	YNN	3,361.90	-1,360.95	2,771.28	3,087.42	6.86	-6.77	MD
OH	4,891.00	9.800	118.100	YNN	3,391.36	-1,363.68	2,776.22	3,093.06	7.06	-7.00	MD
OH	4,921.00	7.700	116.600	YNN	3,421.01	-1,365.78	2,780.27	3,097.62	7.04	-7.00	MD