

Event	WELL NAME	SURVEY DATE/TIME	MD (ft)	INC (°)	AZI (°)	TVD (ft)	NORTHING
DRILLING	RGU 513-23-198	4/6/2013	0	0	0	0	0
DRILLING	RGU 513-23-198	4/6/2013 0:01	179	1.52	242.43	179	-1.1
DRILLING	RGU 513-23-198	4/6/2013 0:01	241	2.46	258.97	240.9	-1.7
DRILLING	RGU 513-23-198	4/6/2013 0:01	333	3.52	265.21	332.8	-2.3
DRILLING	RGU 513-23-198	4/6/2013 0:01	424	4.48	264.95	423.6	-2.9
DRILLING	RGU 513-23-198	4/6/2013 0:01	516	5.63	261.61	515.2	-3.9
DRILLING	RGU 513-23-198	4/6/2013 0:01	608	6.68	254.75	606.7	-5.9
DRILLING	RGU 513-23-198	4/6/2013 0:01	700	7.74	254.31	698	-9
DRILLING	RGU 513-23-198	4/6/2013 0:01	793	7.12	261.17	790.2	-11.6
DRILLING	RGU 513-23-198	4/6/2013 0:01	884	6.95	260.82	880.5	-13.3
DRILLING	RGU 513-23-198	4/6/2013 0:01	976	7.65	258.36	971.8	-15.5
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,074.00	7.83	254.49	1,068.90	-18.6
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,168.00	8	256.34	1,162.00	-21.8
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,263.00	8	254.49	1,256.10	-25.2
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,357.00	7.21	260.12	1,349.20	-27.9
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,451.00	6.24	261.7	1,442.60	-29.7
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,545.00	6.42	257.48	1,536.00	-31.5
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,639.00	7.3	256.16	1,629.30	-34.1
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,702.00	7.56	255.02	1,691.80	-36.1
DRILLING	RGU 513-23-198	4/6/2013 0:01	1,796.00	6.86	247.99	1,785.10	-39.8
DRILLING	RGU 513-23-198	4/7/2013 0:01	1,891.00	7.12	259.06	1,879.40	-43.1
DRILLING	RGU 513-23-198	4/7/2013 0:01	1,985.00	7.3	261.08	1,972.60	-45.1
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,079.00	7.3	262.4	2,065.90	-46.8
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,173.00	7.47	261.08	2,159.10	-48.6
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,267.00	7.39	263.46	2,252.30	-50.2
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,361.00	7.39	264.33	2,345.50	-51.5
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,456.00	7.12	263.46	2,439.70	-52.8
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,550.00	6.77	265.48	2,533.10	-53.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,645.00	7.47	257.3	2,627.30	-55.7
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,739.00	7.65	256.07	2,720.50	-58.5
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,833.00	7.74	254.14	2,813.70	-61.7
DRILLING	RGU 513-23-198	4/7/2013 0:01	2,927.00	7.74	257.13	2,906.80	-64.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,020.00	7.21	253.7	2,999.00	-67.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,114.00	7.39	256.95	3,092.30	-70.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,209.00	6.86	253.87	3,186.50	-73.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,303.00	7.56	260.2	3,279.80	-76.5
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,397.00	9.15	259.24	3,372.80	-79
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,491.00	11.08	259.41	3,465.30	-82
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,585.00	11.43	257.83	3,557.50	-85.6
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,679.00	11.26	255.98	3,649.70	-89.8
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,773.00	11.26	255.02	3,741.90	-94.4
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,803.00	11.26	256.42	3,771.30	-95.9
DRILLING	RGU 513-23-198	4/7/2013 0:01	3,870.00	11.26	256.42	3,837.00	-98.9
DRILLING	RGU 513-23-198	5/19/2013 0:01	3,922.00	9.85	251.15	3,888.30	-101.9
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,016.00	10.73	252.91	3,980.80	-107
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,111.00	10.82	259.06	4,074.10	-111.3

DRILLING	RGU 513-23-198	5/19/2013 0:01	4,206.00	11.96	261.87	4,167.20	-114.4
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,300.00	13.81	263.34	4,258.80	-117.1
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,395.00	15.62	258.99	4,350.70	-120.9
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,489.00	16.53	258.09	4,441.10	-126
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,584.00	16.6	260.14	4,532.10	-131.2
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,679.00	16.8	256.85	4,623.10	-136.6
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,774.00	16.89	256.18	4,714.00	-143
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,869.00	16.31	253.6	4,805.10	-150.1
DRILLING	RGU 513-23-198	5/19/2013 0:01	4,964.00	15.93	258.83	4,896.30	-156.4
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,058.00	15.92	263.19	4,986.70	-160.4
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,153.00	17.41	262.66	5,077.70	-163.8
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,248.00	16.71	261.35	5,168.60	-167.6
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,342.00	16.28	260.76	5,258.70	-171.8
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,437.00	17.23	260.91	5,349.70	-176.1
DRILLING	RGU 513-23-198	5/19/2013 19:20	5,532.00	16.44	260.47	5,440.60	-180.6
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,626.00	16.97	264.51	5,530.60	-184.1
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,721.00	16.36	260.64	5,621.60	-187.6
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,816.00	17.76	263.28	5,712.50	-191.5
DRILLING	RGU 513-23-198	5/19/2013 0:01	5,910.00	15.65	260.55	5,802.50	-195.2
DRILLING	RGU 513-23-198	5/19/2013 0:01	6,005.00	15.65	263.63	5,894.00	-198.8
DRILLING	RGU 513-23-198	5/19/2013 0:01	6,099.00	14.95	262.49	5,984.60	-201.8
DRILLING	RGU 513-23-198	5/19/2013 0:01	6,194.00	13.01	259.32	6,076.80	-205.3
DRILLING	RGU 513-23-198	5/19/2013 0:01	6,288.00	12.57	259.76	6,168.50	-209.1
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,383.00	12.13	259.5	6,261.30	-212.8
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,478.00	10.78	266.47	6,354.40	-215.1
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,572.00	10.2	262.05	6,446.80	-216.8
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,667.00	9.52	262.1	6,540.40	-219.1
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,761.00	9.58	262.95	6,633.10	-221.1
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,856.00	9.06	263.81	6,726.90	-222.9
DRILLING	RGU 513-23-198	5/20/2013 0:01	6,951.00	6.81	263.96	6,821.00	-224.3
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,046.00	6.6	259.5	6,915.30	-225.9
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,141.00	4.92	259.85	7,009.80	-227.6
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,236.00	4.54	252.6	7,104.50	-229.4
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,331.00	3.12	259.04	7,199.30	-231
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,425.00	2.99	258.8	7,293.20	-232
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,520.00	1.41	241.31	7,388.10	-233
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,615.00	1.23	247.28	7,483.10	-234
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,710.00	0.88	233.66	7,578.00	-234.8
DRILLING	RGU 513-23-198	5/20/2013 0:01	7,804.00	1.23	236.47	7,672.00	-235.8
DRILLING	RGU 513-23-198	5/21/2013 0:01	7,899.00	0.35	300.81	7,767.00	-236.2
DRILLING	RGU 513-23-198	5/21/2013 0:01	7,994.00	0.53	310.39	7,862.00	-235.8
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,089.00	0.7	351.79	7,957.00	-234.9
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,183.00	0.82	9.86	8,051.00	-233.7
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,278.00	0.7	324.36	8,146.00	-232.6
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,373.00	0.62	288.59	8,241.00	-231.9
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,468.00	1.14	270.4	8,336.00	-231.8
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,563.00	0.18	27.03	8,431.00	-231.6

DRILLING	RGU 513-23-198	5/21/2013 0:01	8,657.00	0.97	81.61	8,525.00	-231.4
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,752.00	0.44	112.02	8,620.00	-231.4
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,847.00	0.7	172.4	8,715.00	-232.1
DRILLING	RGU 513-23-198	5/21/2013 0:01	8,941.00	0.85	191.86	8,808.90	-233.4
DRILLING	RGU 513-23-198	5/21/2013 0:01	9,036.00	1.14	214.9	8,903.90	-234.8
DRILLING	RGU 513-23-198	5/21/2013 0:01	9,131.00	0.18	281.56	8,998.90	-235.6
DRILLING	RGU 513-23-198	5/22/2013 0:01	9,226.00	0.44	262.58	9,093.90	-235.6
DRILLING	RGU 513-23-198	5/22/2013 0:01	9,320.00	0.97	248.16	9,187.90	-235.9
DRILLING	RGU 513-23-198	5/22/2013 0:01	9,415.00	0.88	72.64	9,282.90	-236
DRILLING	RGU 513-23-198	5/22/2013 0:01	9,510.00	0.7	62.36	9,377.90	-235.5
DRILLING	RGU 513-23-198	5/22/2013 0:01	9,605.00	0.35	69.3	9,472.90	-235.1
DRILLING	RGU 513-23-198	5/23/2013 0:01	9,699.00	0.35	208.17	9,566.90	-235.3
DRILLING	RGU 513-23-198	5/23/2013 0:01	9,794.00	0.7	228.56	9,661.90	-235.9
DRILLING	RGU 513-23-198	5/23/2013 0:01	9,889.00	0.97	29.84	9,756.90	-235.6
DRILLING	RGU 513-23-198	5/23/2013 0:01	9,984.00	0.67	292.11	9,851.90	-234.7
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,078.00	1.48	269.1	9,945.90	-234.5
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,173.00	0.35	29.49	10,040.90	-234.3
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,268.00	1.14	105.43	10,135.90	-234.3
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,362.00	0.35	126.87	10,229.80	-234.7
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,457.00	0.76	212.31	10,324.80	-235.4
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,552.00	0.53	338.87	10,419.80	-235.5
DRILLING	RGU 513-23-198	5/23/2013 0:01	10,647.00	2.02	54.28	10,514.80	-234.2
DRILLING	RGU 513-23-198	5/24/2013 0:01	10,741.00	0.97	51.02	10,608.80	-232.7
DRILLING	RGU 513-23-198	5/24/2013 0:01	10,836.00	0.53	191.74	10,703.80	-232.6
DRILLING	RGU 513-23-198	5/24/2013 0:01	10,931.00	1.49	237.26	10,798.80	-233.7
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,026.00	1.49	222.5	10,893.70	-235.3
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,120.00	1.06	99.28	10,987.70	-236.3
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,215.00	0.7	67.28	11,082.70	-236.2
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,310.00	0.44	139.97	11,177.70	-236.3
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,404.00	1.41	39.51	11,271.70	-235.7
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,499.00	0.79	48.3	11,366.70	-234.3
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,594.00	0.7	331.66	11,461.70	-233.4
DRILLING	RGU 513-23-198	5/24/2013 0:01	11,689.00	0.79	285.08	11,556.70	-232.7
DRILLING	RGU 513-23-198	5/25/2013 0:01	11,784.00	1.06	266.27	11,651.70	-232.6
DRILLING	RGU 513-23-198	5/25/2013 0:01	11,879.00	1.58	260.29	11,746.60	-232.9
DRILLING	RGU 513-23-198	5/25/2013 0:01	11,973.00	2.02	250.54	11,840.60	-233.7
DRILLING	RGU 513-23-198	5/25/2013 0:01	12,068.00	2.11	252.56	11,935.50	-234.7
DRILLING	RGU 513-23-198	5/25/2013 0:01	12,162.00	2.37	256.51	12,029.40	-235.7
DRILLING	RGU 513-23-198	5/25/2013 0:01	12,257.00	2.55	247.2	12,124.40	-237
DRILLING	RGU 513-23-198	5/25/2013 0:01	12,352.00	2.46	255.46	12,219.30	-238.3
DRILLING	RGU 513-23-198	5/26/2013 0:01	12,447.00	2.99	249.22	12,314.20	-239.7
DRILLING	RGU 513-23-198	5/26/2013 0:01	12,478.00	2.9	242.71	12,345.10	-240.4
DRILLING	RGU 513-23-198	5/26/2013 0:01	12,527.00	2.9	242.71	12,394.10	-241.5

EASTING (ft)

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-2.1
-4.1
-8.9
-15.2
-23.3
-32.9
-44
-55.7
-66.7
-78.2
-91.1
-103.6
-116.4
-128.5
-139.4
-149.5
-160.5
-168.4
-179.5
-190.6
-202.2
-214
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-238
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-1,282.90
-1,284.40
-1,286.60