



# Survey Report

Well Name: Nice et al Unit B #1H  
 Survey: Computed from Nice et al B #1H As Drilled.txt's Nice et al B #1H As Drilled.txt and MWDRun Nice et al Unit B #1...  
 Survey Date: 5/17/2011

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
0.00	Tie-in	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
100.00	Gyro	0.08	265.16	100.00	-0.01	-0.01	-0.07	0.08
200.00	Gyro	0.07	247.96	200.00	-0.01	-0.03	-0.20	0.02
300.00	Gyro	0.06	232.01	300.00	0.02	-0.09	-0.29	0.02
400.00	Gyro	0.03	204.84	400.00	0.06	-0.15	-0.35	0.04
500.00	Gyro	0.08	236.31	500.00	0.10	-0.21	-0.41	0.06
600.00	Gyro	0.10	233.61	600.00	0.16	-0.30	-0.54	0.02
700.00	Gyro	0.08	260.34	700.00	0.18	-0.36	-0.68	0.05
800.00	Gyro	0.03	265.45	800.00	0.17	-0.38	-0.78	0.05
900.00	Gyro	0.04	268.78	900.00	0.16	-0.38	-0.84	0.01
1000.00	Gyro	0.09	206.64	1000.00	0.21	-0.45	-0.91	0.08
1100.00	Gyro	0.13	96.69	1100.00	0.31	-0.53	-0.83	0.18
1200.00	Gyro	0.77	82.26	1200.00	0.43	-0.46	-0.05	0.64
1300.00	Gyro	0.87	80.36	1299.99	0.56	-0.24	1.36	0.10
1400.00	Gyro	0.88	70.06	1399.97	0.55	0.15	2.83	0.16
1500.00	Gyro	0.96	45.72	1499.96	0.05	1.00	4.15	0.40
1600.00	Gyro	0.89	34.44	1599.95	-0.88	2.22	5.19	0.19
1700.00	Gyro	0.94	36.45	1699.94	-1.92	3.52	6.12	0.06
1800.00	Gyro	0.80	42.55	1799.92	-2.82	4.70	7.08	0.17
1900.00	Gyro	0.85	44.57	1899.91	-3.59	5.74	8.07	0.06
2000.00	Gyro	0.82	46.19	1999.90	-4.33	6.76	9.11	0.04
2100.00	Gyro	0.78	89.43	2099.89	-4.52	7.27	10.31	0.59
2200.00	Gyro	0.89	96.73	2199.88	-4.08	7.18	11.76	0.15
2300.00	Gyro	1.00	91.61	2299.87	-3.57	7.07	13.40	0.14
2400.00	Gyro	0.85	80.17	2399.86	-3.28	7.17	15.00	0.24
2499.99	Gyro	0.81	63.62	2499.84	-3.37	7.61	16.37	0.24
2599.99	Gyro	0.78	50.08	2599.83	-3.82	8.36	17.52	0.19
2699.99	Gyro	0.98	58.13	2699.82	-4.37	9.25	18.77	0.23
2799.99	Gyro	0.88	82.93	2799.80	-4.54	9.79	20.26	0.41
2899.99	Gyro	2.25	106.24	2899.76	-3.45	9.34	22.91	1.48
2999.99	Gyro	3.09	111.79	2999.65	-0.87	7.79	27.29	0.88
3099.99	Gyro	4.91	136.01	3099.41	4.42	3.71	32.77	2.45
3199.99	Gyro	6.69	149.56	3198.90	13.73	-4.39	38.69	2.23
3299.99	Gyro	6.67	164.00	3298.23	25.13	-15.00	43.25	1.68
3399.99	Gyro	6.48	168.13	3397.57	36.57	-26.10	46.01	0.51
3499.99	Gyro	5.84	167.59	3497.00	47.29	-36.59	48.26	0.64
3599.99	Gyro	5.43	165.49	3596.51	57.11	-46.14	50.54	0.46
3699.99	Gyro	5.40	160.90	3696.07	66.53	-55.17	53.27	0.43
3799.99	Gyro	5.20	151.69	3795.64	75.61	-63.61	56.95	0.87



Scientific Drilling

## Survey Report

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3899.99	Gyro	4.90	152.94	3895.25	84.17	-71.40	61.05	0.32
3999.99	Gyro	3.53	149.57	3994.98	91.29	-77.86	64.55	1.39
4099.99	Gyro	2.45	145.97	4094.84	96.26	-82.28	67.30	1.10
4199.99	Gyro	1.50	137.05	4194.78	99.41	-85.01	69.39	1.00
4299.99	Gyro	1.03	117.71	4294.76	101.16	-86.39	71.08	0.63
4399.99	Gyro	0.74	92.81	4394.75	101.95	-86.84	72.52	0.48
4499.99	Gyro	0.68	70.37	4494.74	102.08	-86.67	73.72	0.28
4599.99	Gyro	0.71	62.29	4594.73	101.88	-86.18	74.83	0.10
4699.99	Gyro	0.78	61.89	4694.72	101.57	-85.57	75.98	0.07
4799.99	Gyro	0.81	61.82	4794.71	101.23	-84.92	77.20	0.03
4899.99	Gyro	0.76	61.50	4894.70	100.90	-84.27	78.41	0.05
4999.99	Gyro	0.67	50.42	4994.70	100.48	-83.58	79.44	0.16
5099.99	Gyro	0.62	36.14	5094.69	99.89	-82.77	80.21	0.17
5199.99	Gyro	0.60	30.04	5194.68	99.17	-81.88	80.79	0.07
5299.99	Gyro	0.67	24.02	5294.68	98.33	-80.89	81.29	0.10
5399.99	Gyro	0.84	19.55	5394.67	97.26	-79.67	81.78	0.18
5499.99	Gyro	0.83	21.55	5494.66	96.07	-78.30	82.29	0.03
5599.99	Gyro	0.74	25.78	5594.65	94.98	-77.05	82.84	0.11
5650.99	Gyro	0.79	22.24	5645.64	94.45	-76.43	83.11	0.13
5681.00	User mag	0.67	14.63	5675.65	94.13	-76.07	83.23	0.52
5743.00	User mag	0.59	22.99	5737.65	93.56	-75.42	83.45	0.20
5774.00	User mag	0.59	7.49	5768.65	93.28	-75.12	83.53	0.51
5806.00	User mag	0.54	3.69	5800.64	92.99	-74.81	83.56	0.19
5838.00	User mag	0.87	192.56	5832.64	93.06	-74.89	83.52	4.38
5870.00	User mag	3.58	183.39	5864.62	94.23	-76.13	83.41	8.53
5902.00	User mag	6.45	183.87	5896.49	96.89	-78.92	83.23	8.95
5934.00	User mag	9.02	183.28	5928.20	100.99	-83.22	82.96	8.06
5965.00	User mag	11.22	182.09	5958.71	106.21	-88.66	82.72	7.11
5997.00	User mag	13.39	181.10	5989.98	112.77	-95.47	82.53	6.83
6029.00	User mag	15.81	182.22	6020.94	120.53	-103.54	82.29	7.59
6061.00	User mag	18.04	180.56	6051.55	129.50	-112.85	82.07	7.13
6093.00	User mag	18.39	181.72	6081.95	139.15	-122.85	81.87	1.58
6125.00	User mag	19.35	179.32	6112.23	149.16	-133.19	81.78	3.86
6157.00	User mag	21.05	177.80	6142.26	159.94	-144.24	82.07	5.56
6188.00	User mag	23.08	178.25	6170.99	171.32	-155.88	82.47	6.55
6220.00	User mag	25.01	178.39	6200.21	184.05	-168.91	82.85	6.05
6252.00	User mag	27.89	178.92	6228.86	197.95	-183.16	83.18	9.01
6284.00	User mag	31.11	179.24	6256.71	213.28	-198.91	83.43	10.08



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MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
6316.00	User mag	34.09	179.30	6283.66	230.05	-216.15	83.65	9.31
6348.00	User mag	36.72	179.03	6309.74	248.08	-234.68	83.92	8.24
6379.00	User mag	38.70	178.50	6334.26	266.56	-253.64	84.33	6.48
6411.00	User mag	41.33	176.43	6358.77	286.72	-274.19	85.25	9.21
6443.00	User mag	43.85	175.28	6382.33	308.04	-295.79	86.82	8.22
6475.00	User mag	46.42	173.18	6404.90	330.47	-318.34	89.11	9.27
6507.00	User mag	48.53	172.44	6426.53	353.88	-341.74	92.06	6.84
6539.00	User mag	51.60	171.67	6447.07	378.27	-366.04	95.46	9.74
6571.00	User mag	54.44	171.46	6466.32	403.70	-391.32	99.21	8.90
6602.00	User mag	57.64	171.52	6483.63	429.29	-416.75	103.01	10.33
6634.00	User mag	60.24	171.59	6500.14	456.56	-443.86	107.04	8.14
6666.00	User mag	62.26	172.37	6515.53	484.45	-471.64	110.95	6.65
6697.00	User mag	64.41	171.17	6529.44	512.00	-499.06	114.92	7.75
6729.00	User mag	66.63	170.93	6542.70	541.00	-527.82	119.45	6.98
6761.00	User mag	69.32	170.25	6554.70	570.56	-557.09	124.30	8.64
6793.00	User mag	71.39	170.44	6565.46	600.61	-586.79	129.36	6.48
6825.00	User mag	73.97	170.00	6574.99	631.06	-616.90	134.54	8.19
6857.00	User mag	76.06	169.14	6583.26	661.91	-647.30	140.14	7.03
6889.00	User mag	78.06	169.20	6590.42	693.04	-677.93	146.00	6.24
6921.00	User mag	79.95	168.60	6596.52	724.41	-708.75	152.05	6.19
6952.00	User mag	81.92	167.84	6601.41	754.99	-738.72	158.30	6.78
6984.00	User mag	84.45	167.04	6605.21	786.75	-769.73	165.21	8.31
7016.00	User mag	85.49	167.15	6608.01	818.62	-800.80	172.33	3.27
7048.00	User mag	85.66	167.69	6610.48	850.51	-831.94	179.28	1.78
7080.00	User mag	86.34	166.81	6612.71	882.42	-863.07	186.32	3.46
7111.00	User mag	87.08	165.79	6614.49	913.37	-893.14	193.65	4.06
7143.00	User mag	87.75	165.43	6615.94	945.34	-924.10	201.60	2.39
7207.00	User mag	88.59	165.74	6617.98	1009.30	-986.05	217.52	1.40
7271.00	User mag	89.19	165.65	6619.22	1073.29	-1048.06	233.33	0.96
7335.00	User mag	89.70	165.29	6619.84	1137.29	-1110.01	249.39	0.97
7398.00	User mag	89.36	164.83	6620.36	1200.28	-1170.88	265.63	0.90
7462.00	User mag	89.66	165.32	6620.90	1264.27	-1232.72	282.11	0.90
7526.00	User mag	90.24	165.23	6620.96	1328.26	-1294.61	298.37	0.90
7589.00	User mag	90.60	165.22	6620.49	1391.26	-1355.53	314.44	0.59
7653.00	User mag	90.50	164.61	6619.87	1455.25	-1417.32	331.09	0.95
7717.00	User mag	87.72	162.54	6620.87	1519.18	-1478.69	349.18	5.43
7780.00	User mag	87.51	162.29	6623.49	1582.01	-1538.69	368.21	0.51
7844.00	User mag	87.92	162.05	6626.04	1645.83	-1599.57	387.79	0.73



Scientific Drilling

## Survey Report

Well Name:		Nice et al Unit B #1H						
Survey:		Computed from Nice et al B #1H As Drilled.txt's Nice et al B #1H As Drilled.txt and MWDRun Nice et al Unit B #1...						
Survey Date:		5/17/2011						
MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
7908.00	User mag	88.59	162.35	6627.99	1709.67	-1660.48	407.34	1.15
7971.00	User mag	88.22	162.77	6629.75	1772.55	-1720.56	426.21	0.89
8035.00	User mag	87.68	162.95	6632.03	1836.42	-1781.68	445.06	0.89
8099.00	User mag	87.24	163.01	6634.87	1900.28	-1842.82	463.77	0.69
8162.00	User mag	87.45	165.02	6637.79	1963.18	-1903.31	481.10	3.20
8226.00	User mag	88.12	167.09	6640.26	2027.12	-1965.38	496.51	3.39
8289.00	User mag	88.59	167.25	6642.07	2090.08	-2026.78	510.50	0.79
8352.00	User mag	89.13	167.28	6643.33	2153.05	-2088.22	524.38	0.85
8416.00	User mag	89.80	167.20	6643.93	2217.03	-2150.63	538.52	1.06
8479.00	User mag	89.97	166.89	6644.06	2280.01	-2212.03	552.64	0.57
8543.00	User mag	89.09	165.70	6644.58	2344.01	-2274.20	567.80	2.31
8607.00	User mag	88.86	165.66	6645.72	2408.00	-2336.20	583.63	0.37
8670.00	User mag	89.56	165.52	6646.59	2470.99	-2397.22	599.31	1.14
8734.00	User mag	90.13	165.67	6646.76	2534.99	-2459.20	615.23	0.92
8797.00	User mag	89.43	165.06	6647.00	2597.98	-2520.16	631.15	1.49
8860.00	User mag	88.52	164.61	6648.13	2660.96	-2580.95	647.63	1.60
8924.00	User mag	88.29	166.59	6649.91	2724.94	-2642.92	663.54	3.11
8987.00	User mag	86.71	166.27	6652.66	2787.87	-2704.10	678.31	2.56
9051.00	User mag	86.50	165.85	6656.45	2851.76	-2766.10	693.70	0.72
9114.00	User mag	86.91	166.29	6660.07	2914.65	-2827.15	708.84	0.95
9178.00	User mag	87.75	166.15	6663.05	2978.58	-2889.24	724.06	1.33
9242.00	User mag	88.56	167.24	6665.12	3042.54	-2951.49	738.78	2.11
9305.00	User mag	88.42	165.82	6666.78	3105.51	-3012.73	753.45	2.26
9369.00	User mag	88.76	165.24	6668.36	3169.49	-3074.68	769.44	1.05
9432.00	User mag	89.23	164.13	6669.46	3232.46	-3135.43	786.08	1.91
9496.00	User mag	89.83	164.33	6669.99	3296.44	-3197.02	803.47	0.99
9559.00	User mag	90.37	163.98	6669.88	3359.41	-3257.62	820.68	1.02
9623.00	User mag	90.00	163.94	6669.67	3423.37	-3319.13	838.37	0.58
9687.00	User mag	89.33	165.06	6670.05	3487.35	-3380.80	855.47	2.04
9750.00	User mag	88.56	165.17	6671.21	3550.34	-3441.68	871.65	1.24
9814.00	User mag	88.69	165.05	6672.75	3614.32	-3503.51	888.09	0.28
9878.00	User mag	88.32	165.55	6674.42	3678.29	-3565.39	904.33	0.97
9941.00	User mag	88.39	165.13	6676.23	3741.26	-3626.32	920.27	0.68
10005.00	User mag	89.09	165.76	6677.63	3805.25	-3688.25	936.35	1.48
10069.00	User mag	88.02	165.81	6679.25	3869.22	-3750.27	952.06	1.68
10133.00	User mag	87.95	165.28	6681.50	3933.18	-3812.20	968.03	0.84
10196.00	User mag	88.76	165.86	6683.31	3996.16	-3873.19	983.72	1.58
10260.00	User mag	89.16	166.25	6684.47	4060.14	-3935.29	999.14	0.87
10324.00	User mag	89.16	166.02	6685.41	4124.14	-3997.42	1014.48	0.35



Scientific Drilling

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Well Name: Nice et al Unit B #1H  
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 Survey Date: 5/17/2011

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
10387.00	User mag	88.25	165.92	6686.83	4187.12	-4058.52	1029.75	1.45
10450.00	User mag	88.32	166.87	6688.72	4250.09	-4119.73	1044.56	1.51
10514.00	User mag	87.99	166.53	6690.78	4314.05	-4181.98	1059.27	0.74
10578.00	User mag	87.92	166.84	6693.07	4378.00	-4244.22	1074.00	0.49
10641.00	User mag	88.22	165.87	6695.19	4440.96	-4305.40	1088.85	1.60
10705.00	User mag	88.35	165.28	6697.10	4504.93	-4367.36	1104.79	0.95
10769.00	User mag	88.82	165.30	6698.68	4568.91	-4429.24	1121.04	0.74
10832.00	User mag	87.72	163.31	6700.58	4631.85	-4489.86	1138.07	3.63
10896.00	User mag	87.55	162.75	6703.23	4695.72	-4551.02	1156.74	0.91
10960.00	User mag	88.02	162.76	6705.70	4759.58	-4612.10	1175.70	0.74
11024.00	User mag	88.52	163.34	6707.63	4823.48	-4673.29	1194.35	1.19

To 11033

6709