

RyanUSA

Ryan Planning Report

Company: Chesapeake Operating Inc.
 Field: Lea County
 Site: Chesapeake 00 Warehouse 2-10
 Well: Chesapeake 00 Warehouse 2-10
 Wellpath: OH

Date: 6/15/2000 Time: 17:08:26 Page: 2
 Co-ordinate(NE) Reference: Well: Chesapeake 00 Warehouse 2-10
 Vertical (TVD) Reference: SITE 3925.0 above Mean Sea Level
 Section (VS) Reference: Well (0.0E,0.0N,159.5Azi)
 Survey Calculation Method: Minimum Curvature

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	159.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*Strawn
9165.23	0.00	159.48	9165.23	0.00	0.00	0.00	0.00	0.00	0.00	*Strawn
10165.23	20.00	159.48	10145.04	-161.81	60.56	2.00	2.00	0.00	159.48	*Strawn
11745.49	20.00	159.48	11630.00	-668.00	250.00	0.00	0.00	0.00	0.00	*Strawn
12032.81	20.00	159.48	11900.00	-760.04	284.45	0.00	0.00	0.00	0.00	*Strawn

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	ClsD ft	ClsA deg	DLS deg/100ft	
9100.00	0.00	159.48	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	
9165.23	0.00	159.48	9165.23	0.00	0.00	0.00	0.00	0.00	0.00	
9200.00	0.70	159.48	9200.00	-0.20	0.07	0.21	0.21	159.48	2.00	
9300.00	2.70	159.48	9299.95	-2.97	1.11	3.17	3.17	159.48	2.00	
9400.00	4.70	159.48	9399.74	-9.00	3.37	9.61	9.61	159.48	2.00	
9500.00	6.70	159.48	9499.24	-18.30	6.85	19.54	19.54	159.48	2.00	
9600.00	8.70	159.48	9598.33	-30.84	11.54	32.93	32.93	159.48	2.00	
9700.00	10.70	159.48	9696.90	-46.61	17.44	49.77	49.77	159.48	2.00	
9754.14	11.78	159.48	9750.00	-56.49	21.14	60.32	60.32	159.48	2.00	Wolfcamp
9800.00	12.70	159.48	9794.82	-65.60	24.55	70.04	70.04	159.48	2.00	
9900.00	14.70	159.48	9891.97	-87.77	32.85	93.71	93.71	159.48	2.00	
10000.00	16.70	159.48	9988.24	-113.10	42.33	120.76	120.76	159.48	2.00	
10100.00	18.70	159.48	10083.50	-141.57	52.98	151.16	151.16	159.48	2.00	
10165.23	20.00	159.48	10145.04	-161.81	60.56	172.77	172.77	159.48	2.00	
10200.00	20.00	159.48	10177.72	-172.95	64.73	184.66	184.66	159.48	0.00	
10300.00	20.00	159.48	10271.69	-204.98	76.71	218.86	218.86	159.48	0.00	
10400.00	20.00	159.48	10365.66	-237.01	88.70	253.07	253.07	159.48	0.00	
10500.00	20.00	159.48	10459.63	-269.04	100.69	287.27	287.27	159.48	0.00	
10600.00	20.00	159.48	10553.60	-301.08	112.68	321.47	321.47	159.48	0.00	
10700.00	20.00	159.48	10647.56	-333.11	124.67	355.67	355.67	159.48	0.00	
10800.00	20.00	159.48	10741.53	-365.14	136.65	389.87	389.87	159.48	0.00	
10900.00	20.00	159.48	10835.50	-397.17	148.64	424.08	424.08	159.48	0.00	
11000.00	20.00	159.48	10929.47	-429.20	160.63	458.28	458.28	159.48	0.00	
11100.00	20.00	159.48	11023.44	-461.24	172.62	492.48	492.48	159.48	0.00	
11175.09	20.00	159.48	11094.00	-485.29	181.62	518.16	518.16	159.48	0.00	Cisco
11200.00	20.00	159.48	11117.41	-493.27	184.61	526.68	526.68	159.48	0.00	
11300.00	20.00	159.48	11211.38	-525.30	196.59	560.88	560.88	159.48	0.00	
11400.00	20.00	159.48	11305.35	-557.33	208.58	595.09	595.09	159.48	0.00	
11500.00	20.00	159.48	11399.32	-589.37	220.57	629.29	629.29	159.48	0.00	
11600.00	20.00	159.48	11493.29	-621.40	232.56	663.49	663.49	159.48	0.00	
11700.00	20.00	159.48	11587.26	-653.43	244.55	697.69	697.69	159.48	0.00	
11745.49	20.00	159.48	11630.00	-668.00	250.00	713.25	713.25	159.48	0.00	Strawn
11800.00	20.00	159.48	11681.23	-685.46	256.54	731.89	731.89	159.48	0.00	
11866.80	20.00	159.48	11744.00	-706.86	264.54	754.74	754.74	159.48	0.00	Atoka
11900.00	20.00	159.48	11775.20	-717.49	268.52	766.10	766.10	159.48	0.00	
12000.00	20.00	159.48	11869.17	-749.53	280.51	800.30	800.30	159.48	0.00	
12032.81	20.00	159.48	11900.00	-760.04	284.45	811.52	811.52	159.48	0.00	

