

RyanUSA

Ryan Survey Report

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

Date: 11/15/2000 **Time:** 16:58:26 **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,162.7Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	ClsD ft	ClsA deg	Tool
7006.33	0.55	240.22	7006.00	-21.53	-36.57	9.68	42.43	239.51	Paddock
7103.00	0.50	244.00	7102.67	-21.94	-37.34	9.84	43.31	239.56	PM
7577.00	0.50	242.00	7576.65	-23.82	-41.03	10.54	47.44	239.86	PM
7629.35	0.48	247.95	7629.00	-24.01	-41.43	10.60	47.89	239.91	Tubb
8022.00	0.50	299.00	8021.64	-23.79	-44.44	9.49	50.41	241.84	PM
8338.37	0.29	270.04	8338.00	-23.12	-46.46	8.25	51.89	243.54	Abo
8497.00	0.25	241.00	8496.63	-23.29	-47.16	8.20	52.60	243.72	PM
8938.00	0.75	255.00	8937.61	-24.50	-50.79	8.28	56.39	244.25	PM
9009.00	1.60	160.50	9008.60	-25.55	-50.91	9.25	56.96	243.34	MWD
9105.00	4.00	159.40	9104.48	-29.95	-49.28	13.94	57.67	238.71	MWD
9199.00	5.10	158.70	9198.18	-36.91	-46.61	21.38	59.46	231.62	MWD
9292.00	6.50	160.90	9290.70	-45.74	-43.39	30.76	63.05	223.49	MWD
9386.00	9.10	155.60	9383.83	-57.54	-38.58	43.46	69.27	213.84	MWD
9480.00	11.80	157.00	9476.26	-73.16	-31.75	60.40	79.75	203.46	MWD
9575.00	12.10	157.70	9569.20	-91.31	-24.17	79.99	94.46	194.83	MWD
9667.00	13.00	159.40	9659.00	-109.92	-16.87	99.93	111.21	188.73	MWD
9760.62	14.18	161.18	9750.00	-130.63	-9.47	121.90	130.98	184.15	Wolfcamp
9762.00	14.20	161.20	9751.34	-130.95	-9.36	122.24	131.29	184.09	MWD
9855.00	15.60	160.50	9841.21	-153.54	-1.51	146.14	153.55	180.56	MWD
9950.00	17.40	159.80	9932.29	-178.91	7.66	173.09	179.08	177.55	MWD
10045.00	18.70	157.70	10022.61	-206.34	18.34	202.45	207.15	174.92	MWD
10140.00	19.00	155.90	10112.52	-234.54	30.44	232.98	236.51	172.61	MWD
10234.00	18.40	156.30	10201.56	-262.10	42.65	262.92	265.54	170.76	MWD
10328.00	19.60	159.10	10290.44	-290.41	54.24	293.40	295.43	169.42	MWD
10423.00	19.00	160.50	10380.10	-319.88	65.08	324.76	326.43	168.50	MWD
10518.00	20.20	159.40	10469.59	-349.81	76.02	356.58	357.97	167.74	MWD
10614.00	20.00	158.40	10559.74	-380.59	87.89	389.50	390.60	167.00	MWD
10709.00	18.50	158.00	10649.43	-409.67	99.52	420.73	421.58	166.35	MWD
10741.00	19.40	156.60	10679.70	-419.25	103.53	431.07	431.85	166.13	MWD
10805.00	21.90	157.00	10739.58	-440.00	112.42	453.52	454.13	165.67	MWD
10889.00	22.30	158.70	10817.41	-469.27	124.33	485.01	485.46	165.16	MWD
10984.00	21.80	158.40	10905.46	-502.46	137.37	520.58	520.90	164.71	MWD
11080.00	19.70	157.30	10995.23	-533.96	150.18	554.47	554.68	164.29	MWD
11175.00	19.60	162.30	11084.70	-563.92	161.20	586.34	586.51	164.05	MWD
11184.86	19.21	161.90	11094.00	-567.04	162.21	589.62	589.78	164.04	Cisco
11239.00	17.10	159.40	11145.44	-582.96	167.78	606.48	606.62	163.94	MWD
11271.00	16.20	157.70	11176.10	-591.49	171.13	615.62	615.75	163.86	MWD
11379.00	16.80	159.10	11279.65	-620.01	182.41	646.20	646.29	163.61	MWD
11474.00	17.60	163.30	11370.41	-646.59	191.44	674.27	674.34	163.51	MWD
11557.00	18.20	159.40	11449.39	-670.75	199.60	699.76	699.82	163.43	MWD
11649.00	17.60	161.20	11536.94	-697.36	209.14	728.01	728.05	163.31	MWD
11742.00	19.30	158.70	11625.16	-724.99	219.26	757.40	757.42	163.17	MWD
11747.13	19.23	158.72	11630.00	-726.57	219.87	759.09	759.11	163.16	Strawn
11836.00	18.00	159.10	11714.22	-753.04	230.08	787.39	787.40	163.01	MWD
11867.26	17.36	158.98	11744.00	-761.90	233.48	796.86	796.87	162.96	Atoka
11929.00	16.10	158.70	11803.13	-778.48	239.89	814.60	814.60	162.87	MWD
12021.00	12.10	159.10	11892.34	-799.38	247.97	836.96	836.96	162.77	MWD
12063.00	11.40	159.10	11933.46	-807.37	251.02	845.49	845.49	162.73	MWD
12105.00	10.70	159.10	11974.68	-814.89	253.89	853.53	853.53	162.69	MWD