

30-025-37748

Job Number: 061117606422
 Company: Chesapeake Operating
 Lease/Well: Berry 1, Well #2
 Location: Lea County, New Mexico
 Rig Name: Patterson #68
 RKB: 22'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.47°
 Grid: East To Grid
 File name: F:\2006SU-1\CHESAP-1\BERRY1-2.SVY
 Date/Time: 03-Apr-06 / 11:40
 Curve Name: Surface - 7,730' M.D.



Directional Services

We hereby certify that our survey data from
 Surface MD to 7,730' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.

Multi-Shot

4/3/06
Date

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.25	288.20	200.00	.14	-.41	.14	.44	288.20	.12
400.00	.25	195.23	400.00	-.15	-.94	-.15	.96	281.06	.18
600.00	.25	219.27	600.00	-.91	-1.33	-.91	1.61	235.79	.05
800.00	.50	258.31	799.99	-1.42	-2.47	-1.42	2.85	240.02	.17
1000.00	.25	240.35	999.99	-1.81	-3.70	-1.81	4.12	243.87	.14
1200.00	.25	243.38	1199.99	-2.23	-4.47	-2.23	4.99	243.52	.01
1400.00	.25	248.42	1399.98	-2.58	-5.26	-2.58	5.86	243.87	.01
1600.00	.50	243.46	1599.98	-3.13	-6.45	-3.13	7.17	244.10	.13
1800.00	.50	258.50	1799.97	-3.70	-8.09	-3.70	8.89	245.44	.07

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2000.00	1.00	222.72	1999.96	-5.15	-10.13	-5.15	11.36	243.03	.33
2200.00	1.25	234.76	2199.92	-7.69	-13.09	-7.69	15.18	239.56	.17
2400.00	.75	248.80	2399.89	-9.43	-16.09	-9.43	18.65	239.64	.28
2600.00	.50	280.83	2599.87	-9.73	-18.17	-9.73	20.61	241.82	.21
2800.00	.25	164.91	2799.87	-9.99	-18.91	-9.99	21.39	242.15	.32
3000.00	.25	120.98	2999.87	-10.64	-18.43	-10.64	21.28	240.00	.09
3200.00	.75	90.57	3199.86	-10.88	-16.74	-10.88	19.97	236.99	.27
3400.00	.75	73.15	3399.85	-10.51	-14.18	-10.51	17.65	233.46	.11
3600.00	1.00	55.75	3599.82	-9.15	-11.49	-9.15	14.68	231.47	.18
3800.00	.50	79.33	3799.80	-8.00	-9.19	-8.00	12.18	228.94	.29
4000.00	.50	73.92	3999.80	-7.60	-7.49	-7.60	10.67	224.58	.02
4200.00	1.00	82.51	4199.78	-7.13	-4.92	-7.13	8.66	214.61	.26
4400.00	1.50	106.09	4399.73	-7.63	-.68	-7.63	7.66	185.06	.35
4600.00	1.75	101.68	4599.65	-8.97	4.83	-8.97	10.19	151.71	.14
4800.00	1.00	119.21	4799.59	-10.44	9.34	-10.44	14.01	138.18	.43
5000.00	.75	196.80	4999.58	-12.55	10.49	-12.55	16.35	140.11	.56
5200.00	1.25	202.98	5199.55	-15.81	9.26	-15.81	18.32	149.64	.26
5400.00	1.25	205.57	5399.50	-19.79	7.47	-19.79	21.15	159.33	.03
5600.00	1.00	210.15	5599.46	-23.26	5.65	-23.26	23.94	166.35	.13
5800.00	1.25	235.74	5799.42	-26.00	2.97	-26.00	26.17	173.49	.28
6000.00	1.50	235.33	5999.36	-28.72	-.99	-28.72	28.73	181.97	.13
6200.00	1.75	244.92	6199.28	-31.50	-5.91	-31.50	32.05	190.62	.18
6400.00	1.75	242.91	6399.19	-34.19	-11.39	-34.19	36.03	198.43	.03
6600.00	1.75	243.30	6599.10	-36.95	-16.84	-36.95	40.60	204.50	.01
6800.00	1.75	241.69	6799.00	-39.77	-22.26	-39.77	45.57	209.23	.02
7000.00	2.25	246.08	6998.88	-42.81	-28.53	-42.81	51.45	213.68	.26
7200.00	2.75	255.46	7198.69	-45.61	-36.77	-45.61	58.58	218.87	.32
7400.00	2.50	248.85	7398.48	-48.38	-45.48	-48.38	66.40	223.23	.20
7600.00	2.50	245.24	7598.29	-51.78	-53.51	-51.78	74.46	225.94	.08
Last Survey Depth Recorded									
7730.00	2.25	263.39	7728.18	-53.27	-58.62	-53.27	79.20	227.74	.61