

30-015-34427

Job Number: 061117606429

Company: Bold Energy

Lease/Well: Mara State, Well #1

Location: Eddy County, New Mexico

Rig Name: Patriot #1

RKB: 22'

G.L. or M.S.L.: GL

State/Country: New Mexico/USA

Declination: 8.97°

Grid: East To Grid

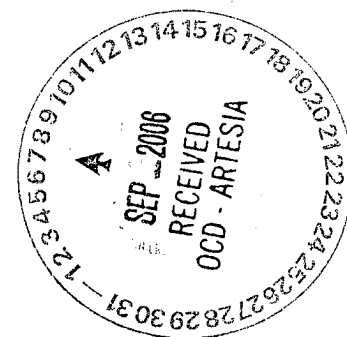
File name: F:\2006SU-1\BOLDEN-1\IMARAST1.SVY

Date/Time: 03-Apr-06 / 14:06

Curve Name: Surface - 6,000' M.D.



Directional Services



We hereby certify that our survey data from
SURFACE MD to 5,000' MD is, to the best of
our knowledge a true and accurate account of the
well bore.

[Signature]
Multi-Shot
Date 4/3/06

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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.25	182.15	100.00	-.22	-.01	-.22	.22	182.15	.25
200.00	.25	190.95	200.00	-.65	-.06	-.65	.65	185.08	.04
300.00	.50	191.85	300.00	-1.29	-.19	-1.29	1.31	188.32	.25
400.00	.50	253.74	399.99	-1.84	-.70	-1.84	1.97	200.75	.51
500.00	.50	354.64	499.99	-1.53	-1.16	-1.53	1.92	217.13	.77
600.00	1.00	338.54	599.98	-.28	-1.52	-.28	1.54	259.48	.54
700.00	1.00	13.92	699.97	1.38	-1.63	1.38	2.13	310.26	.61
800.00	.50	37.82	799.96	2.57	-1.15	2.57	2.81	335.91	.58
900.00	.75	89.72	899.95	2.92	-.23	2.92	2.93	355.55	.59

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
				FT	FT	FT	Distance FT	Direction Deg	
1000.00	.25	3.62	999.95	3.14	.44	3.14	3.17	8.01	.77
1100.00	.25	336.52	1099.95	3.56	.37	3.56	3.57	5.91	.12
1200.00	.25	200.42	1199.95	3.55	.21	3.55	3.56	3.31	.46
1300.00	.25	336.31	1299.95	3.55	.04	3.55	3.55	.67	.46
1400.00	.25	299.21	1399.95	3.85	-.24	3.85	3.86	356.49	.16
1500.00	.25	273.66	1499.95	3.97	-.64	3.97	4.03	350.78	.11
1600.00	.25	56.11	1599.95	4.11	-.68	4.11	4.16	350.58	.47
1700.00	.25	309.56	1699.95	4.37	-.67	4.37	4.42	351.30	.40
1800.00	.25	47.00	1799.95	4.66	-.68	4.66	4.71	351.73	.38
1900.00	.25	221.45	1899.95	4.64	-.66	4.64	4.69	351.89	.50
2000.00	.50	29.90	1999.94	4.86	-.59	4.86	4.89	353.09	.75
2100.00	.25	316.35	2099.94	5.39	-.52	5.39	5.42	354.47	.49
2200.00	.50	355.79	2199.94	5.99	-.70	5.99	6.03	353.29	.35
2300.00	.25	316.48	2299.94	6.58	-.89	6.58	6.64	352.32	.35
2400.00	.50	14.93	2399.94	7.16	-.92	7.16	7.22	352.64	.43
2500.00	.25	317.38	2499.93	7.74	-.96	7.74	7.80	352.93	.42
2600.00	.25	16.82	2599.93	8.11	-1.04	8.11	8.18	352.66	.25
2700.00	.50	357.27	2699.93	8.76	-1.00	8.76	8.81	353.47	.28
2800.00	.50	321.72	2799.93	9.53	-1.29	9.53	9.62	352.27	.31
2900.00	.75	303.17	2899.92	10.23	-2.11	10.23	10.45	348.34	.32
3000.00	.25	302.62	2999.92	10.71	-2.84	10.71	11.08	345.13	.50
3100.00	.25	321.06	3099.92	11.00	-3.16	11.00	11.44	343.95	.08
3200.00	.25	313.24	3199.92	11.32	-3.46	11.32	11.83	343.00	.03
3300.00	.25	5.13	3299.92	11.68	-3.60	11.68	12.23	342.88	.22
3400.00	.25	36.03	3399.91	12.08	-3.45	12.08	12.56	344.05	.13
3500.00	.75	336.93	3499.91	12.86	-3.58	12.86	13.34	344.44	.66
3600.00	.75	346.83	3599.90	14.10	-3.99	14.10	14.65	344.21	.13
3700.00	.75	14.72	3699.89	15.37	-3.97	15.37	15.87	345.52	.36
3800.00	.75	38.62	3799.89	16.51	-3.39	16.51	16.85	348.39	.31
3900.00	.25	72.52	3899.88	17.09	-2.78	17.09	17.31	350.77	.56

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	
4000.00	1.00	70.42	3999.88	17.44	-1.75	17.44	17.53	354.28	.75
4100.00	1.00	77.32	4099.86	17.93	-0.7	17.93	17.93	359.77	.12
4200.00	.75	77.60	4199.85	18.26	1.42	18.26	18.32	4.44	.25
4300.00	1.25	88.40	4299.83	18.43	3.15	18.43	18.70	9.69	.53
4400.00	1.25	82.30	4399.81	18.61	5.32	18.61	19.35	15.95	.13
4500.00	1.00	90.20	4499.79	18.75	7.27	18.75	20.11	21.20	.29
4600.00	1.25	79.09	4599.77	18.95	9.22	18.95	21.08	25.93	.33
4700.00	1.75	78.99	4699.74	19.45	11.79	19.45	22.74	31.21	.50
4800.00	2.00	72.89	4799.68	20.26	14.95	20.26	25.18	36.43	.32
4900.00	2.75	75.79	4899.60	21.36	18.95	21.36	28.55	41.57	.76
Last Survey Depth Recorded									
5000.00	2.75	80.29	4999.48	22.35	23.64	22.35	32.53	46.60	.22