



INTEQ

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Directional/Horizontal Plan Report

Chesapeake Operating Inc.

Bogle 23 Federal Com. #1

Eddy County, NM

Plan #1

**Prepared By Oscar Gomez
Friday, March 31, 2006**

CHESAPEAKE OPERATING, INC.
Bogle 23 Federal Com #1, slot #1
Eddy County New Mexico

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Last revised : 31-Mar-2006

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	269.99	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	269.99	500.00	0.00 S	0.00 W	0.00	0.00
1000.00	0.00	269.99	1000.00	0.00 S	0.00 W	0.00	0.00
1500.00	0.00	269.99	1500.00	0.00 S	0.00 W	0.00	0.00
2000.00	0.00	269.99	2000.00	0.00 S	0.00 W	0.00	0.00
2500.00	0.00	269.99	2500.00	0.00 S	0.00 W	0.00	0.00
3000.00	0.00	269.99	3000.00	0.00 S	0.00 W	0.00	0.00
3500.00	0.00	269.99	3500.00	0.00 S	0.00 W	0.00	0.00
4000.00	0.00	269.99	4000.00	0.00 S	0.00 W	0.00	0.00
4500.00	0.00	269.99	4500.00	0.00 S	0.00 W	0.00	0.00
5000.00	0.00	269.99	5000.00	0.00 S	0.00 W	0.00	0.00
5500.00	0.00	269.99	5500.00	0.00 S	0.00 W	0.00	0.00
6000.00	0.00	269.99	6000.00	0.00 S	0.00 W	0.00	0.00
6370.00	0.00	269.99	6370.00	0.00 S	0.00 W	0.00	0.00 Abo
6500.00	0.00	269.99	6500.00	0.00 S	0.00 W	0.00	0.00
7000.00	0.00	269.99	7000.00	0.00 S	0.00 W	0.00	0.00
7500.00	0.00	269.99	7500.00	0.00 S	0.00 W	0.00	0.00
7665.00	0.00	269.99	7665.00	0.00 S	0.00 W	0.00	0.00 Wolfcamp Upper Pay
7700.00	0.00	269.99	7700.00	0.00 S	0.00 W	0.00	0.00 KOP
7800.00	2.00	270.00	7799.98	0.00 S	1.75 W	2.00	1.75
7900.00	4.00	270.00	7899.84	0.00 S	6.98 W	2.00	6.98
7921.79	4.44	270.00	7921.57	0.00 S	8.59 W	2.00	8.59
8000.00	4.44	270.00	7999.54	0.00 S	14.63 W	0.00	14.63
8500.00	4.44	270.00	8498.05	0.00 S	53.31 W	0.00	53.31
8532.05	4.44	270.00	8530.00	0.00 S	55.78 W	0.00	55.78 Cisco
8652.41	4.44	270.00	8650.00	0.00 S	65.09 W	0.00	65.09 Wolfcamp Pay
9000.00	4.44	270.00	8996.55	0.00 S	91.98 W	0.00	91.98
9484.90	4.44	270.00	9480.00	0.00 S	129.48 W	0.00	129.48 Canyon
9500.00	4.44	270.00	9495.05	0.00 S	130.65 W	0.00	130.65
10000.00	4.44	270.00	9993.55	0.00 S	169.32 W	0.00	169.32
10026.53	4.44	270.00	10020.00	0.00 S	171.37 W	0.00	171.37 Strawn
10285.73	4.44	270.00	10278.43	0.00 S	191.42 W	0.00	191.42
10307.52	4.00	270.00	10300.16	0.00 S	193.02 W	2.00	193.02
10357.46	3.00	270.00	10350.00	0.00 S	196.07 W	2.00	196.07 Atoka Sand
10407.52	2.00	270.00	10400.02	0.00 S	198.25 W	2.00	198.25
10507.52	0.00	270.00	10500.00	0.00 N	200.00 W	2.00	200.00 TGT
10607.52	0.00	270.00	10600.00	0.00 N	200.00 W	0.00	200.00 Morrow Sand
10797.52	0.00	270.00	10790.00	0.00 N	200.00 W	0.00	200.00 Chester
10922.52	0.00	270.00	10915.00	0.00 N	200.00 W	0.00	200.00 Miss. Lime
11000.00	0.00	270.00	10992.48	0.00 N	200.00 W	0.00	200.00
11437.52	0.00	270.00	11430.00	0.00 N	200.00 W	0.00	200.00 Woodford Shale
11457.52	0.00	270.00	11450.00	0.00 N	200.00 W	0.00	200.00 Devonian
11500.00	0.00	270.00	11492.48	0.00 N	200.00 W	0.00	200.00
12000.00	0.00	270.00	11992.48	0.00 N	200.00 W	0.00	200.00
12417.52	0.00	270.00	12410.00	0.00 N	200.00 W	0.00	200.00 Simpson Upper Pay Sand
12477.52	0.00	270.00	12470.00	0.00 N	200.00 W	0.00	200.00 Ellenburger
12500.00	0.00	270.00	12492.48	0.00 N	200.00 W	0.00	200.00
12557.52	0.00	270.00	12550.00	0.00 N	200.00 W	0.00	200.00 Ellenburger Pay
12777.52	0.00	270.00	12770.00	0.00 N	200.00 W	0.00	200.00 Pre Cambrian
12807.52	0.00	270.00	12800.00	0.00 N	200.00 W	0.00	200.00 Base of Open Hole Completion A-14

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 200.00 on azimuth 270.00 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 270.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

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Measured Incln.	Azimuth	True Vert	R E C T A N G U L A R		Dogleg	Vert
Depth	Degrees	Degrees	Depth	C O O R D I N A T E S	Deg/100ft	Sect
12957.52	0.00	270.00	12950.00	0.00 N 200.00 W	0.00	200.00 TD

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 200.00 on azimuth 270.00 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 270.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

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Comments in wellpath			
MD	TVD	Rectangular Coords.	Comment
6370.00	6370.00	0.00 S 0.00 W	Abo
7665.00	7665.00	0.00 S 0.00 W	Wolfcamp Upper Pay
7700.00	7700.00	0.00 S 0.00 W	KOP
8532.05	8530.00	0.00 S 55.78 W	Cisco
8652.41	8650.00	0.00 S 65.09 W	Wolfcamp Pay
9484.90	9480.00	0.00 S 129.48 W	Canyon
10026.53	10020.00	0.00 S 171.37 W	Strawn
10357.46	10350.00	0.00 S 196.07 W	Atoka Sand
10507.52	10500.00	0.00 N 200.00 W	TGT
10607.52	10600.00	0.00 N 200.00 W	Morrow Sand
10797.52	10790.00	0.00 N 200.00 W	Chester
10922.52	10915.00	0.00 N 200.00 W	Miss. Lime
11437.52	11430.00	0.00 N 200.00 W	Woodford Shale
11457.52	11450.00	0.00 N 200.00 W	Devonian
12417.52	12410.00	0.00 N 200.00 W	Simpson Upper Pay Sand
12477.52	12470.00	0.00 N 200.00 W	Ellenburger
12557.52	12550.00	0.00 N 200.00 W	Ellenburger Pay
12777.52	12770.00	0.00 N 200.00 W	Pre Cambrian
12807.52	12800.00	0.00 N 200.00 W	Base of Open Hole Completion A-14
12957.52	12950.00	0.00 N 200.00 W	TD

Targets associated with this wellpath				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
TGT		10500.00	0.00S 200.00W	31-Mar-2006
TD		12950.00	0.00S 270.00W	31-Mar-2006

CHESAPEAKE OPERATING, INC.

Structure : Bogle 23 Federal Com #1 Slot : slot #1
 Field : Location : Eddy County New Mexico



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