

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34759	Pool Code 97376	Pool Name Henshaw;Ordovician
Property Code	Property Name BOGLE 23 FEDERAL COM	Well Number 1
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3826'

Surface Location

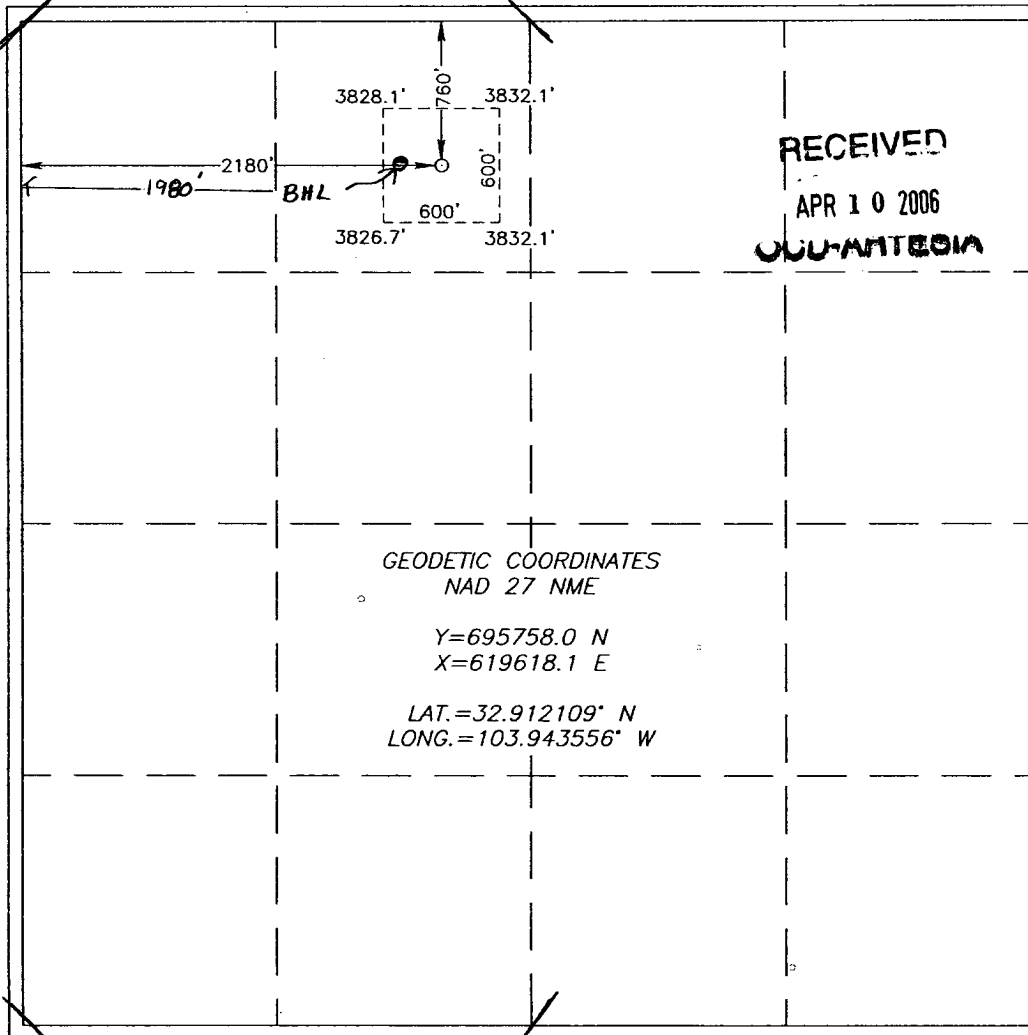
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	16-S	30-E		760	NORTH	2180	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	16S	30E		760	NORTH	1980	WEST	Eddy

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Brenda Coffman
Signature

Brenda Coffman
Printed Name

Regulatory Analyst
Title

April 7, 2006
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 8, 2005

Date Surveyed **JR**

Signature & Seal of Professional Surveyor

GARY E. EDSON
GARY E. EDSON
05.11.1789

Certificate No. **GARY E. EDSON** 12641



INTEQ

2105 market Street Midland, TX 79703 Ph. (432)694-9517 Fax. (432)694-5648

Directional/Horizontal Plan Report

Chesapeake Operating Inc.

Bogle 23 Federal Com. #1

Eddy County, NM

Plan #1

RECEIVED

APR 10 2006

000-AMTEDIA

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

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

PROPOSAL LISTING Page 1
Your ref : Plan1
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

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

PROPOSAL LISTING Page 2
Your ref : Plan1
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
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

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

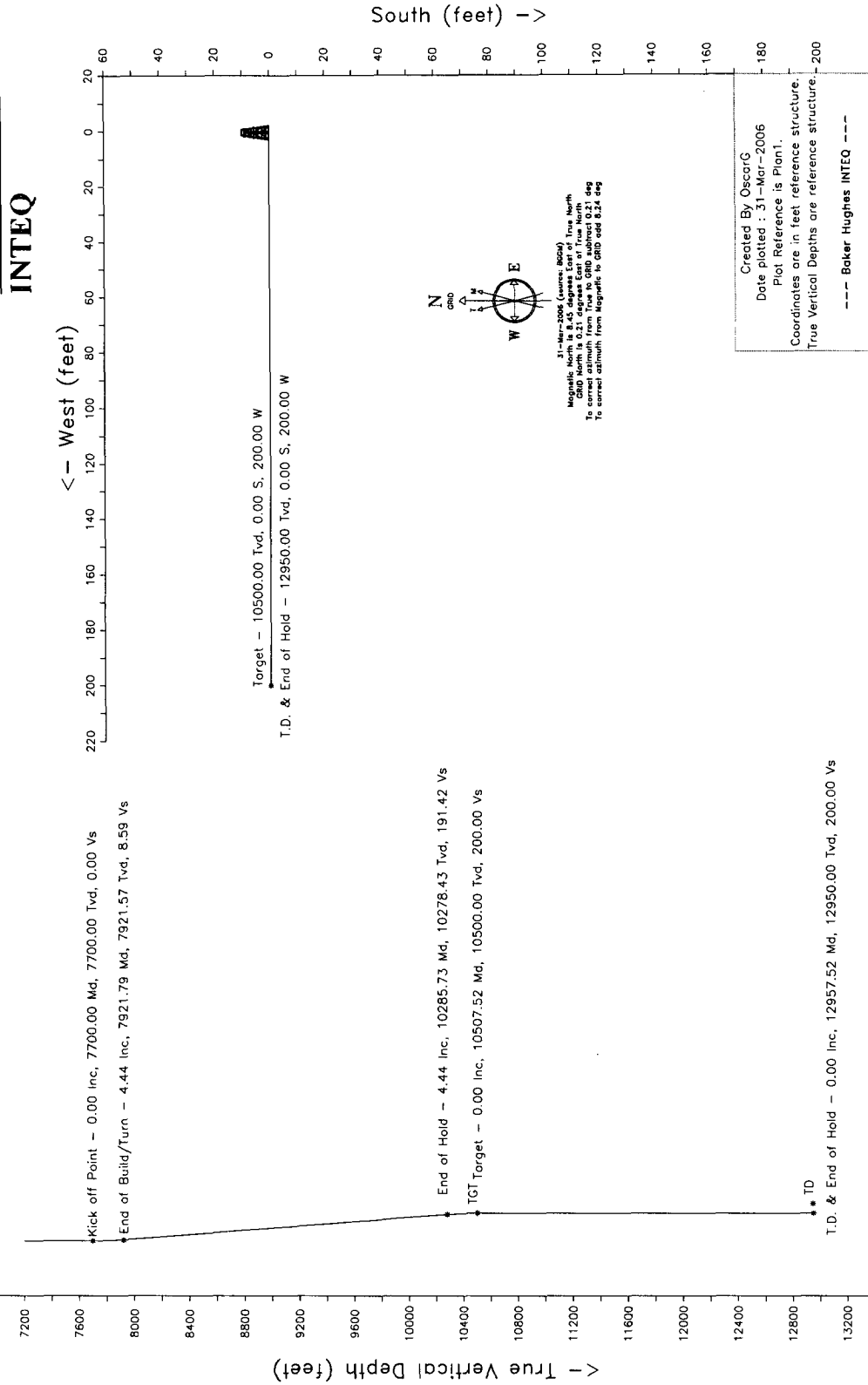
PROPOSAL LISTING Page 3
Your ref : Plan1
Last revised : 31-Mar-2006

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



Vertical Section (feet) -->
Azimuth 270.00 with reference 0.00 N, 0.00 E from structure