

HOBBS OGD

APR 30 2012

RECEIVED

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210



PHOENIX
TECHNOLOGY SERVICES

RECEIVED

APR 23 2012

NMOCD ARTESIA

April 19, 2012

Dear District 2 - Artesia

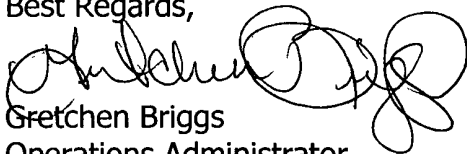
Re: Chesapeake Operating Inc.
PLU Phantom Banks 3-26-30 USA 1H
Eddy County, NM
API #~~30-025-40341~~ 30-015-39932
Job No. 1210245

Enclosed please find the Survey Data Certification and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 606018). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Eric Wolter	1H	132	12,898	03/25/12	04/12/12	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,



Gretchen Briggs
Operations Administrator

Certified mail receipt number: **7011 1570 0001 4365 0168**

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 1210245

OPERATOR Chesapeake Energy

WELL NAME PLU Phantom Banks 3-26-30 USA 1H

COUNTY & STATE Eddy County, NM

API WELL NUMBER 30-025-40341

PROPOSED DIRECTION 359.59

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
ft	.00 ft	.0 ft	.0 ft	.00 ft	.00 ft	Surface

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
25-Mar-12	132 ft	0.5	209.1

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
12-Apr-12	12,898 ft	93.1	355.9

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
12-Apr-12	12,947 ft	93.1	355.9

PRINT YOUR NAME ABOVE

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.73
DECLINATION OR GRID	DECLINATION

4-12-12

TODAY'S DATE

MWD SUPERVISOR 1

Glen McVay

DIRECTIONAL DRILLER 1

Chris Mancell

MWD SUPERVISOR 2

Josh Deets

DIRECTIONAL DRILLER 2

Eric Wolter

1805 Brittmore Road Houston, Texas 77043 (713)3370609 (Voice), (713)337-0599 (Fax)

Chesapeake Operating Inc.

Eddy County, New Mexico (NAD 1983)

PLU Phantom Banks 3-26-30 USA 1H

Job # 1210245

Rig: Patterson 62

Survey: Phoenix MWD ST Surveys

Chesapeake Energy, Survey Report

18 April, 2012

Chesapeake Energy, Survey Report

Company: Chesapeake Operating Inc. Project: Eddy County, New Mexico (NAD 1983) Site: PLU Phantom Banks 3-26-30 USA 1H Well: Job # 1210245 Wellbore: Rig: Patterson 62 Design: Rig: Patterson 62	Local Co-ordinate Reference: Well Job # 1210245 TVD Reference: WELL @ 3188.00usft (Patterson 62) MD Reference: WELL @ 3188.00usft (Patterson 62) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: Compass5000
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Project Eddy County, New Mexico (NAD 1983)		
Map System: US State Plane 1983	System Datum: Mean Sea Level	
Geo Datum: North American Datum 1983		
Map Zone: New Mexico Eastern Zone		

Site PLU Phantom Banks 3-26-30 USA 1H			
Site Position:	Northing:	387,835.00 usft	Latitude:
From: Map	Easting:	685,832.00 usft	Longitude:
Position Uncertainty: 0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.25 °

Well Job # 1210245			
Well Position	Northing:	387,835.00 usft	Latitude:
+N/-S 0.00 usft	Easting:	685,832.00 usft	Longitude:
+E/-W 0.00 usft	Wellhead Elevation:	25.00 usft	Ground Level: 3,163.00 usft
Position Uncertainty 0.00 usft			

Wellbore Rig: Patterson 62					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	03/20/12	7.62	59.97	48,413

Design Rig: Patterson 62				
Audit Notes:				
Version: 1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.59

Survey Program Date 04/18/12				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
132.00	9,183.00	Phoenix MWD Surveys (Rig: Patterson 62)	MWD	MWD - Standard

Chesapeake Energy, Survey Report

Company:	Chesapeake Operating Inc.	Local Co-ordinate Reference:	Well Job # 1210245
Project:	Eddy County, New Mexico (NAD 1983)	TVD Reference:	WELL @ 3188.00usft (Patterson 62)
Site:	PLU Phantom Banks 3-26-30 USA 1H	MD Reference:	WELL @ 3188.00usft (Patterson 62)
Well:	Job # 1210245	North Reference:	Grid
Wellbore:	Rig: Patterson 62	Survey Calculation Method:	Minimum Curvature
Design:	Rig: Patterson 62	Database:	Compass5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
0 00	0.00	0.00	3,188.00	0.00	0.00	0.00	0.00	0.00	387,835.00	685,832.00	
132.00	0.50	209.10	3,056.00	132.00	-0.50	-0.28	-0.50	0.38	387,834.50	685,831.72	
First Phoenix MWD Surveys @ 132' MD											
311.00	0 20	194.70	2,877.01	310.99	-1 49	-0.74	-1.48	0.17	387,833.51	685,831.26	
497.00	0.90	267.20	2,691.01	496.99	-1.87	-2.28	-1.86	0.46	387,833.13	685,829.72	
687.00	0.70	233.90	2,501.03	686.97	-2.63	-4.71	-2.60	0.26	387,832.37	685,827.29	
877.00	0 40	263.40	2,311.04	876.96	-3 39	-6.31	-3.34	0.21	387,831.61	685,825.69	
1,067.00	0 90	109.00	2,121.05	1,066.95	-3.95	-5 55	-3.91	0.67	387,831.05	685,826.45	
1,257 00	1.00	165.10	1,931.07	1,256.93	-6.04	-3.72	-6 01	0.47	387,828.96	685,828.28	
1,360 00	0.80	220.30	1,828.08	1,359.92	-7.46	-3.95	-7.43	0.83	387,827 54	685,828.05	
1,534.00	1.00	248.30	1,654.10	1,533.90	-8.95	-6.15	-8 90	0.27	387,826 05	685,825.85	
1,724.00	1.00	252.30	1,464.13	1,723.87	-10.06	-9.27	-10 00	0.04	387,824.94	685,822.73	
1,914.00	1.20	237.80	1,274.16	1,913.84	-11.63	-12.53	-11.54	0 18	387,823.37	685,819 47	
2,104.00	1 60	247.50	1,084 22	2,103.78	-13.70	-16.66	-13.58	0.24	387,821.30	685,815 34	
2,199.00	1.00	247 80	989.25	2,198.75	-14.52	-18 66	-14.39	0.63	387,820 48	685,813.34	
2,300.00	1.05	206.38	888.26	2,299.74	-15 68	-19 88	-15.54	0.72	387,819.32	685,812.12	
2,400.00	0.63	209.57	788.27	2,399.73	-16 98	-20.56	-16.84	0.42	387,818.02	685,811.44	
2,500.00	0.84	199.54	688.28	2,499.72	-18 15	-21 08	-18.00	0.25	387,816.85	685,810.92	
2,600.00	0.54	187.95	588.29	2,599.71	-19.31	-21.39	-19.16	0.33	387,815.69	685,810.61	
2,700.00	0.25	160.45	488.29	2,699.71	-19 98	-21.38	-19.83	0.34	387,815.02	685,810 62	
2,800 00	0.21	134.11	388.29	2,799.71	-20.32	-21.18	-20.16	0.11	387,814.68	685,810 82	
2,900.00	0.18	35.49	288.29	2,899.71	-20.32	-20.95	-20.16	0.30	387,814 68	685,811.05	
3,000.00	0 62	20.35	188.29	2,999.71	-19.68	-20 67	-19 53	0.45	387,815 32	685,811.33	
3,100.00	1 22	40.83	88.31	3,099.69	-18.37	-19.79	-18.23	0.67	387,816.63	685,812.21	
3,200.00	1 28	44.64	-11.67	3,199.67	-16.77	-18.31	-16.64	0.10	387,818 23	685,813 69	
3,300.00	1.55	53.09	-111.64	3,299.64	-15.16	-16.44	-15 04	0 34	387,819 84	685,815.56	
3,400.00	1 63	52.72	-211 60	3,399.60	-13 49	-14.23	-13.38	0 08	387,821 51	685,817.77	

Chesapeake Energy, Survey Report

Company: Chesapeake Operating Inc.
Project: Eddy County, New Mexico (NAD 1983)
Site: PLU Phantom Banks 3-26-30 USA 1H
Well: Job # 1210245
Wellbore: Rig: Patterson 62
Design: Rig: Patterson 62

Local Co-ordinate Reference: Well Job # 1210245
TVD Reference: WELL @ 3188.00usft (Patterson 62)
MD Reference: WELL @ 3188.00usft (Patterson 62)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
3,500.00	1.48	58.55	-311.56	3,499.56	-11.95	-12.00	-11.86	0.22	387,823.05	685,820.00
3,600.00	1.59	72.23	-411.53	3,599.53	-10.85	-9.57	-10.78	0.38	387,824.15	685,822.43
3,700.00	1.33	51.53	-511.50	3,699.50	-9.71	-7.34	-9.66	0.58	387,825.29	685,824.66
3,800.00	1.13	66.43	-611.47	3,799.47	-8.59	-5.53	-8.55	0.38	387,826.41	685,826.47
3,827.00	1.20	64.00	-638.47	3,826.47	-8.36	-5.03	-8.33	0.32	387,826.64	685,826.97
4,017.00	1.10	66.10	-828.43	4,016.43	-6.75	-1.58	-6.74	0.06	387,828.25	685,830.42
4,207.00	1.10	49.80	-1,018.40	4,206.40	-4.83	1.48	-4.85	0.16	387,830.17	685,833.48
4,397.00	0.90	43.30	-1,208.37	4,396.37	-2.57	3.90	-2.60	0.12	387,832.43	685,835.90
4,586.00	0.80	4.20	-1,397.35	4,585.35	-0.18	5.01	-0.21	0.31	387,834.82	685,837.01
4,776.00	0.70	4.70	-1,587.33	4,775.33	2.30	5.21	2.27	0.05	387,837.30	685,837.21
4,966.00	0.70	2.60	-1,777.32	4,965.32	4.62	5.35	4.58	0.01	387,839.62	685,837.35
5,157.00	0.50	357.80	-1,968.31	5,156.31	6.62	5.37	6.58	0.11	387,841.62	685,837.37
5,347.00	0.30	358.10	-2,158.30	5,346.30	7.94	5.33	7.91	0.11	387,842.94	685,837.33
5,537.00	0.40	307.10	-2,348.30	5,536.30	8.84	4.78	8.81	0.17	387,843.84	685,836.78
5,727.00	0.30	272.90	-2,538.30	5,726.30	9.27	3.75	9.24	0.12	387,844.27	685,835.75
5,917.00	0.80	220.40	-2,728.29	5,916.29	8.28	2.40	8.26	0.35	387,843.28	685,834.40
6,107.00	0.70	222.20	-2,918.27	6,106.27	6.41	0.76	6.41	0.05	387,841.41	685,832.76
6,296.00	1.00	228.20	-3,107.25	6,295.25	4.46	-1.25	4.47	0.17	387,839.46	685,830.75
6,485.00	0.90	209.60	-3,296.22	6,484.22	2.07	-3.21	2.09	0.17	387,837.07	685,828.79
6,675.00	0.50	185.50	-3,486.21	6,674.21	-0.06	-4.03	-0.03	0.26	387,834.94	685,827.97
6,864.00	0.70	156.10	-3,675.20	6,863.20	-1.93	-3.64	-1.91	0.19	387,833.07	685,828.36
7,053.00	0.80	148.20	-3,864.18	7,052.18	-4.11	-2.47	-4.09	0.08	387,830.89	685,829.53
7,242.00	1.10	152.00	-4,053.16	7,241.16	-6.83	-0.93	-6.82	0.16	387,828.17	685,831.07
7,431.00	1.20	170.70	-4,242.12	7,430.12	-10.39	0.25	-10.39	0.20	387,824.61	685,832.25
7,620.00	0.60	143.90	-4,431.10	7,619.10	-13.14	1.15	-13.15	0.38	387,821.86	685,833.15
7,810.00	0.40	107.60	-4,621.09	7,809.09	-14.14	2.37	-14.16	0.19	387,820.86	685,834.37
7,927.00	12.50	3.50	-4,737.17	7,925.17	-1.58	3.53	-1.60	10.77	387,833.42	685,835.53

Chesapeake Energy, Survey Report

Company:	Chesapeake Operating Inc.	Local Co-ordinate Reference:	Well Job # 1210245
Project:	Eddy County, New Mexico (NAD 1983)	TVD Reference:	WELL @ 3188.00usft (Patterson 62)
Site:	PLU Phantom Banks 3-26-30 USA 1H	MD Reference:	WELL @ 3188.00usft (Patterson 62)
Well:	Job # 1210245	North Reference:	Grid
Wellbore:	Rig. Patterson 62.	Survey Calculation Method:	Minimum Curvature
Design:	Rig: Patterson 62	Database:	Compass5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
11,538.00	91.10	2.40	-5,137.54	8,325.54	3,395.38	-0.81	3,395.30	1.05	391,230.38	685,831.19	
11,634.00	91.10	2.40	-5,135.70	8,323.70	3,491.28	3.21	3,491.17	0.00	391,326.28	685,835.21	
11,729.00	88.70	0.40	-5,135.86	8,323.86	3,586.24	5.53	3,586.11	3.29	391,421.24	685,837.53	
11,824.00	89.40	1.20	-5,137.44	8,325.44	3,681.22	6.86	3,681.07	1.12	391,516.22	685,838.86	
11,919.00	87.60	359.50	-5,139.92	8,327.92	3,776.17	7.44	3,776.02	2.61	391,611.17	685,839.44	
12,014.00	88.30	358.40	-5,143.32	8,331.32	3,871.10	5.70	3,870.96	1.37	391,706.10	685,837.70	
12,110.00	89.30	358.70	-5,145.33	8,333.33	3,967.04	3.27	3,966.92	1.09	391,802.04	685,835.27	
12,205.00	88.80	358.80	-5,146.91	8,334.91	4,062.01	1.20	4,061.89	0.54	391,897.01	685,833.20	
12,300.00	88.00	358.30	-5,149.56	8,337.56	4,156.94	-1.20	4,156.84	0.99	391,991.94	685,830.80	
12,396.00	88.30	357.70	-5,152.66	8,340.66	4,252.83	-4.55	4,252.75	0.70	392,087.83	685,827.45	
12,491.00	89.30	357.40	-5,154.65	8,342.65	4,347.72	-8.61	4,347.67	1.10	392,182.72	685,823.39	
12,586.00	90.00	356.70	-5,155.23	8,343.23	4,442.59	-13.50	4,442.57	1.04	392,277.59	685,818.50	
12,681.00	92.70	356.00	-5,152.99	8,340.99	4,537.36	-19.55	4,537.39	2.94	392,372.36	685,812.45	
12,776.00	92.60	356.40	-5,148.60	8,336.60	4,632.05	-25.84	4,632.12	0.43	392,467.05	685,806.16	
12,872.00	93.20	356.40	-5,143.74	8,331.74	4,727.74	-31.86	4,727.85	0.62	392,562.74	685,800.14	
12,898.00	93.10	355.90	-5,142.31	8,330.31	4,753.64	-33.60	4,753.76	1.96	392,588.64	685,798.40	
Last Phoenix MWD Surveys @ 12898' MD											
12,947.00	93.10	355.90	-5,139.66	8,327.66	4,802.44	-37.10	4,802.59	0.00	392,637.44	685,794.90	
Projection to TD @ 12947' MD											

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
132.00	132.00	-0.50	-0.28	First Phoenix MWD Surveys @ 132' MD
12,898.00	8,330.31	4,753.64	-33.60	Last Phoenix MWD Surveys @ 12898' MD
12,947.00	8,327.66	4,802.44	-37.10	Projection to TD @ 12947' MD

Chesapeake Energy, Survey Report

Company:	Chesapeake Operating Inc.	Local Co-ordinate Reference:	Well Job # 1210245
Project:	Eddy County, New Mexico (NAD 1983)	TVD Reference:	WELL @ 3188.00usft (Patterson 62)
Site:	PLU Phantom Banks 3-26-30 USA 1H	MD Reference:	WELL @ 3188.00usft (Patterson 62)
Well:	Job # 1210245	North Reference:	Grid
Wellbore:	Rig Patterson 62	Survey Calculation Method:	Minimum Curvature
Design:	Rig Patterson 62	Database:	Compass5000

Checked By: _____	Approved By: _____	Date: _____
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