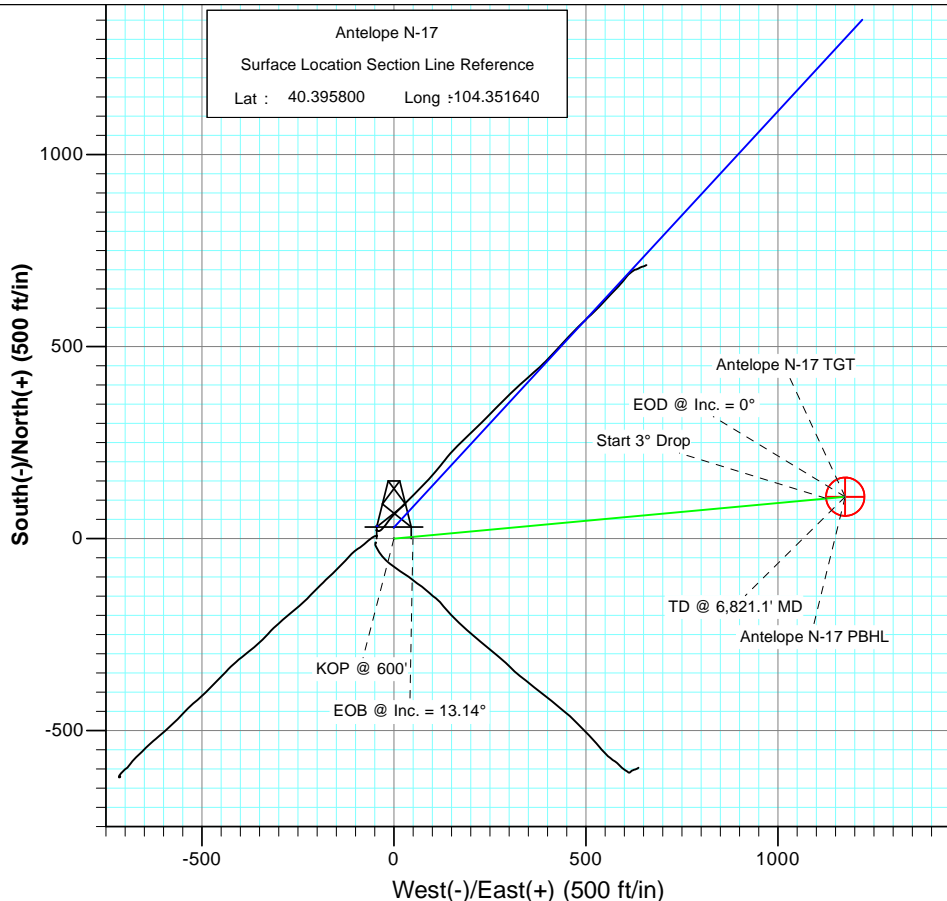


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1038.2	13.14	84.69	1034.3	4.6	49.8	3.00	84.69	50.0	
4	5789.0	13.14	84.69	5660.7	104.7	1125.6	0.00	0.00	1130.4	
5	6227.1	0.00	0.00	6095.0	109.3	1175.4	3.00	180.00	1180.5	Antelope N-17 TGT
6	6821.1	0.00	0.00	6689.0	109.3	1175.4	0.00	0.00	1180.5	Antelope N-17 PBHL



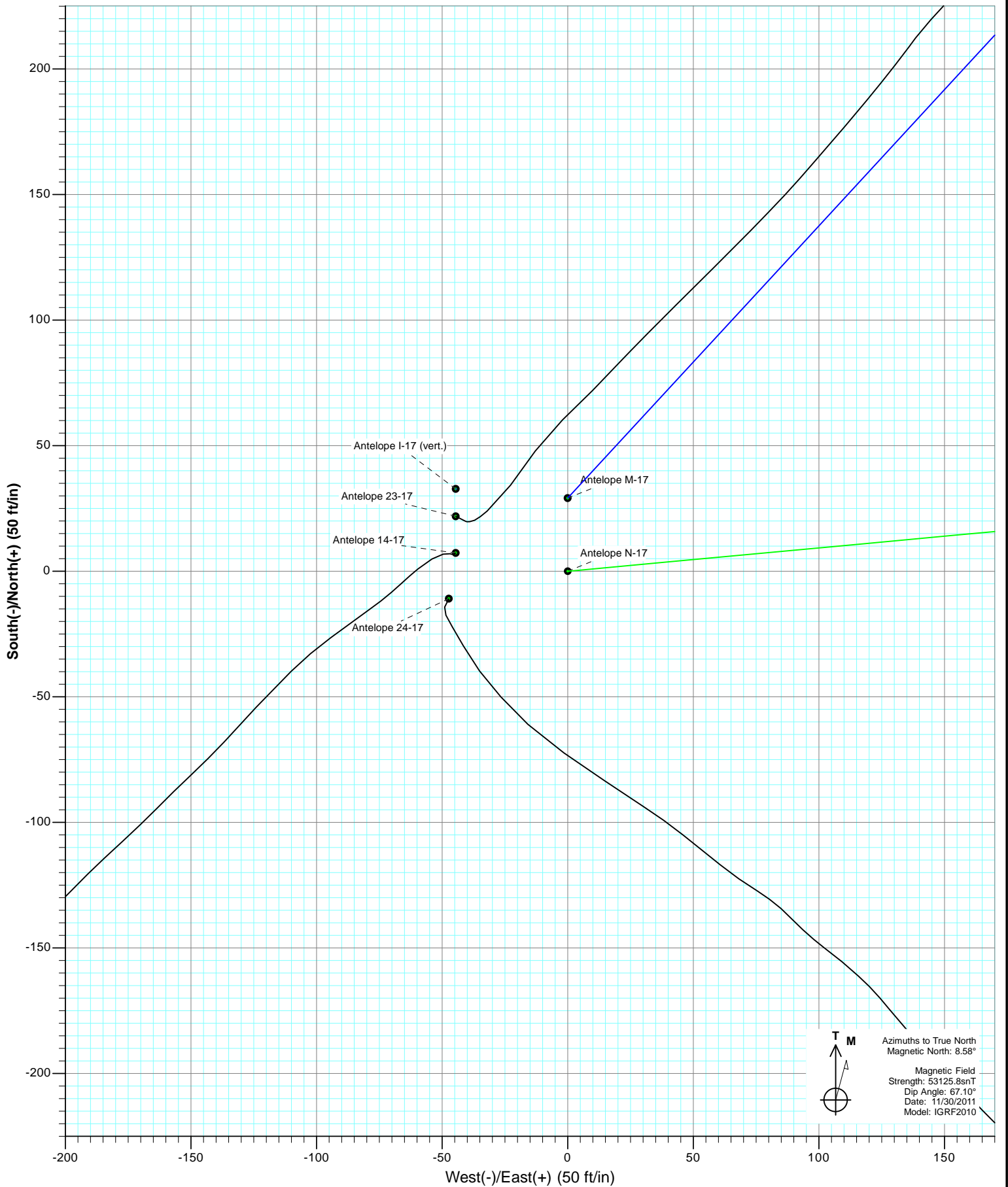
FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3429.0	3497.3	Parkman
4150.0	4237.7	Sussex
6295.0	6427.1	Niobrara
6505.0	6637.1	Ft. Hayes
6529.0	6661.1	Codell
6541.0	6673.1	Carlile
6577.0	6709.1	Greenhorn

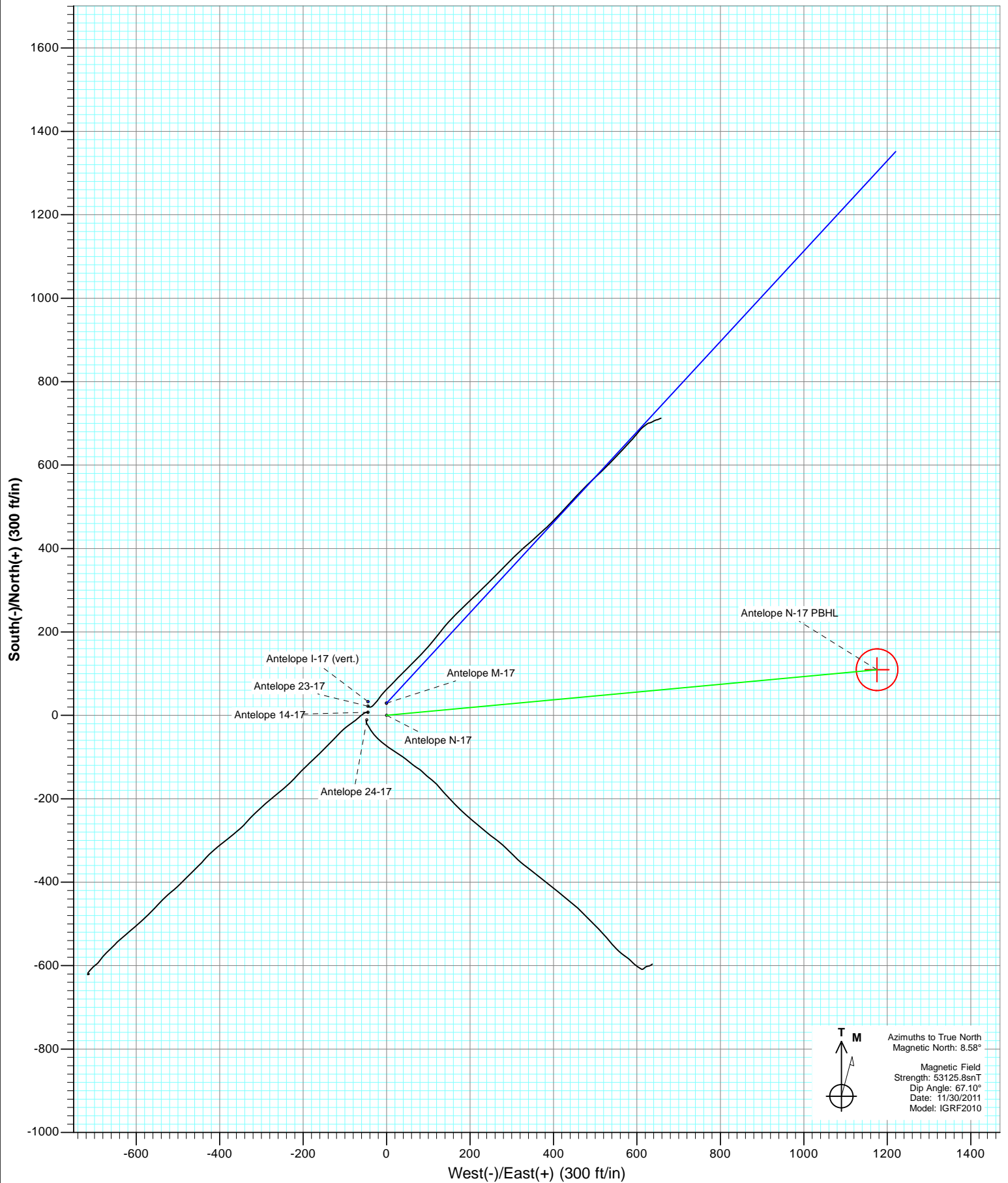


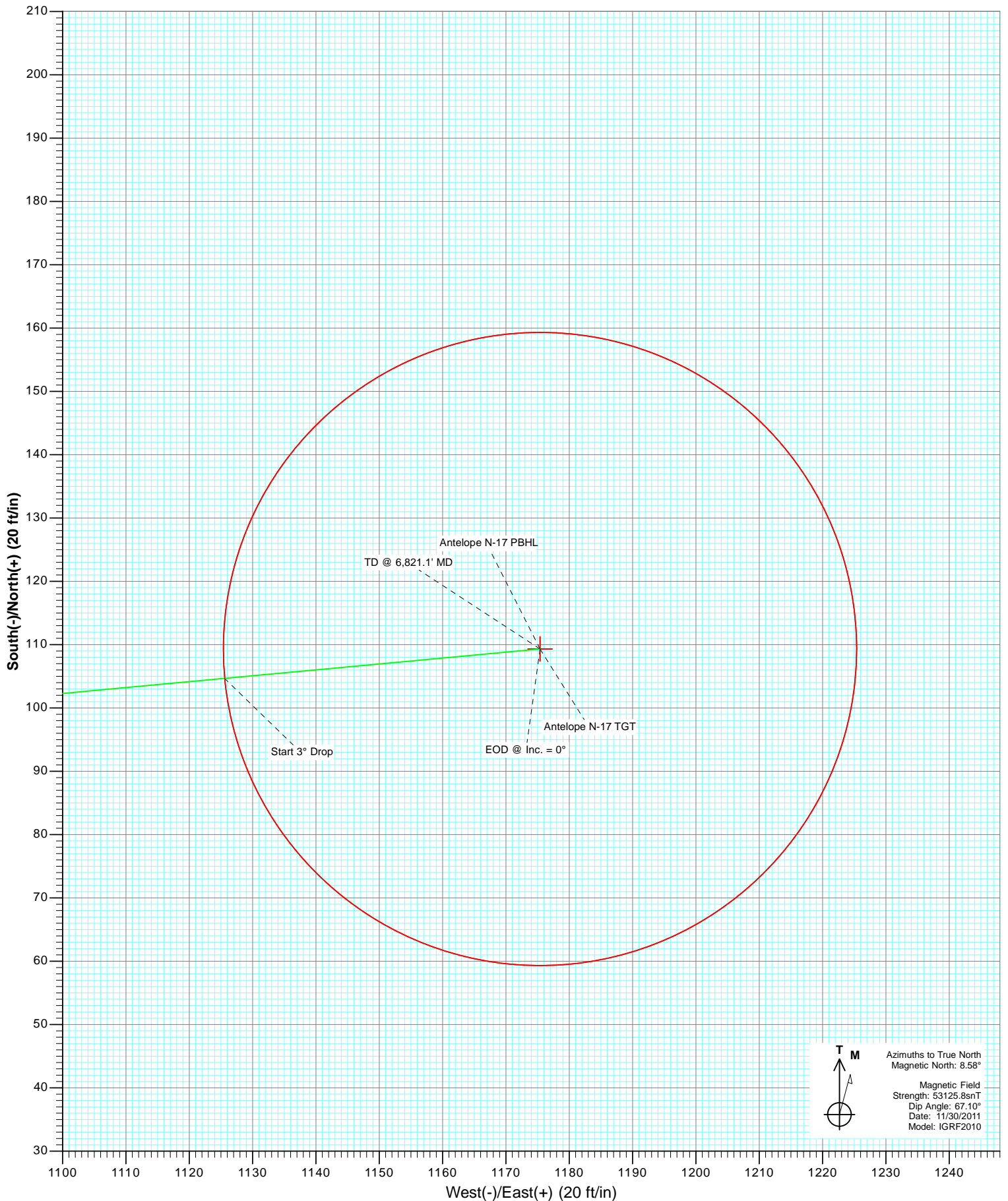
Azimuths to True North
Magnetic North: 8.58°

Magnetic Field
Strength: 53125.8nT
Dip Angle: 67.10°
Date: 11/30/2011
Model: IGRF2010

Plan #1 Antelope N-17 125XXX; SC					
KBE @ 4690.0ft (Original Well Elev) North American Datum 1983 Well Antelope N-17, True North					
Type	Target	Azimuth	Origin Type	N/S	E/W From TVD
TD	No Target (Freehand)	84.69	Slot	0.0	0.0
Name		TVD	+N/-S	+E/-W	Latitude
Antelope N-17 TGT		6095.0	109.3	1175.4	40.396100
Antelope N-17 PBHL		6689.0	109.3	1175.4	-104.347420







Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Antelope N-17
Company:	Bonanza Creek Energy Operating Company, LLC	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Project:	Weld County	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site:	Antelope I-17 Pad	North Reference:	True
Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Weld County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Antelope I-17 Pad			
Site Position:		Northing:	1,389,136.37 ft	Latitude:	40.395890
From:	Lat/Long	Easting:	3,319,802.68 ft	Longitude:	-104.351800
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.74 °

Well	Antelope N-17					
Well Position	+N/-S	0.0 ft	Northing:	1,389,104.16 ft	Latitude:	40.395800
	+E/-W	0.0 ft	Easting:	3,319,847.67 ft	Longitude:	-104.351640
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,680.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/30/2011	8.58	67.10	53,126

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	84.69

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,038.2	13.14	84.69	1,034.3	4.6	49.8	3.00	3.00	0.00	84.69	
5,789.0	13.14	84.69	5,660.7	104.7	1,125.6	0.00	0.00	0.00	0.00	
6,227.1	0.00	0.00	6,095.0	109.3	1,175.4	3.00	-3.00	0.00	180.00	Antelope N-17 TGT
6,821.1	0.00	0.00	6,689.0	109.3	1,175.4	0.00	0.00	0.00	0.00	Antelope N-17 PBHL

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Antelope N-17
Company:	Bonanza Creek Energy Operating Company, LLC	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Project:	Weld County	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site:	Antelope I-17 Pad	North Reference:	True
Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	KOP @ 600'
700.0	3.00	84.69	700.0	0.2	2.6	2.6	3.00	3.00	
800.0	6.00	84.69	799.6	1.0	10.4	10.5	3.00	3.00	
900.0	9.00	84.69	898.8	2.2	23.4	23.5	3.00	3.00	
1,000.0	12.00	84.69	997.1	3.9	41.6	41.7	3.00	3.00	
1,038.2	13.14	84.69	1,034.3	4.6	49.8	50.0	3.00	3.00	EOB @ Inc. = 13.14°
1,100.0	13.14	84.69	1,094.5	5.9	63.8	64.1	0.00	0.00	
1,200.0	13.14	84.69	1,191.9	8.0	86.5	86.8	0.00	0.00	
1,300.0	13.14	84.69	1,289.3	10.1	109.1	109.6	0.00	0.00	
1,400.0	13.14	84.69	1,386.7	12.3	131.8	132.3	0.00	0.00	
1,500.0	13.14	84.69	1,484.1	14.4	154.4	155.1	0.00	0.00	
1,600.0	13.14	84.69	1,581.4	16.5	177.0	177.8	0.00	0.00	
1,700.0	13.14	84.69	1,678.8	18.6	199.7	200.5	0.00	0.00	
1,800.0	13.14	84.69	1,776.2	20.7	222.3	223.3	0.00	0.00	
1,900.0	13.14	84.69	1,873.6	22.8	245.0	246.0	0.00	0.00	
2,000.0	13.14	84.69	1,971.0	24.9	267.6	268.8	0.00	0.00	
2,100.0	13.14	84.69	2,068.3	27.0	290.3	291.5	0.00	0.00	
2,200.0	13.14	84.69	2,165.7	29.1	312.9	314.3	0.00	0.00	
2,300.0	13.14	84.69	2,263.1	31.2	335.5	337.0	0.00	0.00	
2,400.0	13.14	84.69	2,360.5	33.3	358.2	359.7	0.00	0.00	
2,500.0	13.14	84.69	2,457.9	35.4	380.8	382.5	0.00	0.00	
2,600.0	13.14	84.69	2,555.2	37.5	403.5	405.2	0.00	0.00	
2,700.0	13.14	84.69	2,652.6	39.6	426.1	428.0	0.00	0.00	
2,800.0	13.14	84.69	2,750.0	41.7	448.8	450.7	0.00	0.00	
2,900.0	13.14	84.69	2,847.4	43.8	471.4	473.4	0.00	0.00	
3,000.0	13.14	84.69	2,944.8	46.0	494.0	496.2	0.00	0.00	
3,100.0	13.14	84.69	3,042.1	48.1	516.7	518.9	0.00	0.00	
3,200.0	13.14	84.69	3,139.5	50.2	539.3	541.7	0.00	0.00	
3,300.0	13.14	84.69	3,236.9	52.3	562.0	564.4	0.00	0.00	
3,400.0	13.14	84.69	3,334.3	54.4	584.6	587.1	0.00	0.00	
3,497.3	13.14	84.69	3,429.0	56.4	606.6	609.3	0.00	0.00	Parkman
3,500.0	13.14	84.69	3,431.7	56.5	607.3	609.9	0.00	0.00	
3,600.0	13.14	84.69	3,529.0	58.6	629.9	632.6	0.00	0.00	
3,700.0	13.14	84.69	3,626.4	60.7	652.5	655.4	0.00	0.00	
3,800.0	13.14	84.69	3,723.8	62.8	675.2	678.1	0.00	0.00	
3,900.0	13.14	84.69	3,821.2	64.9	697.8	700.8	0.00	0.00	
4,000.0	13.14	84.69	3,918.6	67.0	720.5	723.6	0.00	0.00	
4,100.0	13.14	84.69	4,015.9	69.1	743.1	746.3	0.00	0.00	
4,200.0	13.14	84.69	4,113.3	71.2	765.8	769.1	0.00	0.00	
4,237.7	13.14	84.69	4,150.0	72.0	774.3	777.6	0.00	0.00	Sussex
4,300.0	13.14	84.69	4,210.7	73.3	788.4	791.8	0.00	0.00	
4,400.0	13.14	84.69	4,308.1	75.4	811.0	814.6	0.00	0.00	
4,500.0	13.14	84.69	4,405.5	77.5	833.7	837.3	0.00	0.00	
4,600.0	13.14	84.69	4,502.8	79.6	856.3	860.0	0.00	0.00	
4,700.0	13.14	84.69	4,600.2	81.8	879.0	882.8	0.00	0.00	
4,800.0	13.14	84.69	4,697.6	83.9	901.6	905.5	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Antelope N-17
Company:	Bonanza Creek Energy Operating Company, LLC	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Project:	Weld County	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site:	Antelope I-17 Pad	North Reference:	True
Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	13.14	84.69	4,795.0	86.0	924.3	928.3	0.00	0.00	
5,000.0	13.14	84.69	4,892.4	88.1	946.9	951.0	0.00	0.00	
5,100.0	13.14	84.69	4,989.7	90.2	969.6	973.7	0.00	0.00	
5,200.0	13.14	84.69	5,087.1	92.3	992.2	996.5	0.00	0.00	
5,300.0	13.14	84.69	5,184.5	94.4	1,014.8	1,019.2	0.00	0.00	
5,400.0	13.14	84.69	5,281.9	96.5	1,037.5	1,042.0	0.00	0.00	
5,500.0	13.14	84.69	5,379.3	98.6	1,060.1	1,064.7	0.00	0.00	
5,600.0	13.14	84.69	5,476.6	100.7	1,082.8	1,087.4	0.00	0.00	
5,700.0	13.14	84.69	5,574.0	102.8	1,105.4	1,110.2	0.00	0.00	
5,789.0	13.14	84.69	5,660.7	104.7	1,125.6	1,130.4	0.00	0.00	Start 3° Drop
5,800.0	12.81	84.69	5,671.4	104.9	1,128.0	1,132.9	3.00	-3.00	
5,900.0	9.81	84.69	5,769.5	106.7	1,147.6	1,152.5	3.00	-3.00	
6,000.0	6.81	84.69	5,868.4	108.1	1,162.0	1,167.0	3.00	-3.00	
6,100.0	3.81	84.69	5,968.0	108.9	1,171.2	1,176.2	3.00	-3.00	
6,200.0	0.81	84.69	6,067.9	109.3	1,175.2	1,180.3	3.00	-3.00	
6,227.1	0.00	0.00	6,095.0	109.3	1,175.4	1,180.5	3.00	-3.00	EOD @ Inc. = 0°
6,300.0	0.00	0.00	6,167.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,400.0	0.00	0.00	6,267.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,427.1	0.00	0.00	6,295.0	109.3	1,175.4	1,180.5	0.00	0.00	Niobrara
6,500.0	0.00	0.00	6,367.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,600.0	0.00	0.00	6,467.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,637.1	0.00	0.00	6,505.0	109.3	1,175.4	1,180.5	0.00	0.00	Ft. Hayes
6,661.1	0.00	0.00	6,529.0	109.3	1,175.4	1,180.5	0.00	0.00	Codell
6,673.1	0.00	0.00	6,541.0	109.3	1,175.4	1,180.5	0.00	0.00	Carlile
6,700.0	0.00	0.00	6,567.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,709.1	0.00	0.00	6,577.0	109.3	1,175.4	1,180.5	0.00	0.00	Greenhorn
6,800.0	0.00	0.00	6,667.9	109.3	1,175.4	1,180.5	0.00	0.00	
6,821.1	0.00	0.00	6,689.0	109.3	1,175.4	1,180.5	0.00	0.00	TD @ 6,821.1' MD

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Antelope N-17 PBHL - plan hits target center - Circle (radius 50.0)	0.00	0.00	6,689.0	109.3	1,175.4	1,389,228.69	3,321,021.54	40.396100	-104.347420
Antelope N-17 TGT - plan hits target center - Point	0.00	0.00	6,095.0	109.3	1,175.4	1,389,228.69	3,321,021.54	40.396100	-104.347420

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Antelope N-17
Company:	Bonanza Creek Energy Operating Company, LLC	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Project:	Weld County	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site:	Antelope I-17 Pad	North Reference:	True
Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,497.3	3,429.0	Parkman				
4,237.7	4,150.0	Sussex				
6,427.1	6,295.0	Niobrara				
6,637.1	6,505.0	Ft. Hayes				
6,661.1	6,529.0	Codell				
6,673.1	6,541.0	Carlile				
6,709.1	6,577.0	Greenhorn				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
600.0	600.0	0.0	0.0	KOP @ 600'	
1,038.2	1,034.3	4.6	49.8	EOB @ Inc. = 13.14°	
5,789.0	5,660.7	104.7	1,125.6	Start 3° Drop	
6,227.1	6,095.0	109.3	1,175.4	EOD @ Inc. = 0°	
6,821.1	6,689.0	109.3	1,175.4	TD @ 6,821.1' MD	

Bonanza Creek Energy Operating Company, LLC

Weld County

Antelope I-17 Pad

Antelope N-17

OH

Plan #1

Anticollision Report

30 November, 2011

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	11/30/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	6,821.1	Plan #1 (OH)	MWD	Geolink MWD	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Antelope I-17 Pad						
Antelope 14-17 - DD - DD	0.0	0.0	59.0			
Antelope 14-17 - DD - DD	100.0	62.0	45.2	45.2	10,000.000	CC, ES
Antelope 23-17 - DD - DD	0.0	0.0	62.5			
Antelope 23-17 - DD - DD	686.9	650.7	41.8	41.8	10,000.000	CC, ES
Antelope 24-17 - DD - DD	0.0	0.0	61.7			
Antelope 24-17 - DD - DD	100.0	62.0	48.6	48.6	10,000.000	CC, ES
Antelope I-17 (vert.) - DD - Plan #1	0.0	0.0	67.1			
Antelope I-17 (vert.) - DD - Plan #1	600.0	562.0	55.3	55.3	10,000.000	CC, ES
Antelope M-17 - OH - Plan #1	0.0	0.0	30.2			
Antelope M-17 - OH - Plan #1	600.0	592.0	29.1	29.1	10,000.000	CC, ES

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Antelope I-17 Pad - Antelope 14-17 - DD - DD													Offset Site Error: 0.0 ft
Survey Program: 530-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-80.72	7.3	-44.6	59.0				
100.0	100.0	62.0	62.0	0.2	0.1	-80.74	7.3	-44.6	45.2	45.2	0.00	N/A CC, ES	
200.0	200.0	161.9	161.9	0.3	0.3	-80.81	7.2	-44.7	45.3	45.3	0.00	N/A	
300.0	300.0	261.9	261.9	0.5	0.4	-80.94	7.2	-44.9	45.4	45.4	0.00	N/A	
400.0	400.0	361.9	361.9	0.7	0.6	-81.14	7.0	-45.2	45.7	45.7	0.00	N/A	
500.0	500.0	461.8	461.8	0.9	0.8	-81.40	6.9	-45.5	46.1	46.1	0.00	N/A	
600.0	600.0	561.3	561.2	1.0	1.0	-81.63	6.8	-46.2	46.7	46.7	0.00	N/A	
700.0	700.0	658.9	658.8	1.2	1.1	-167.53	6.8	-49.8	52.9	52.9	0.00	N/A	
800.0	799.6	755.8	755.3	1.4	1.3	-173.27	2.5	-57.6	68.3	68.3	0.00	N/A	
900.0	898.8	850.3	848.9	1.6	1.6	-179.85	-6.1	-67.5	92.1	92.1	0.00	N/A	
1,000.0	997.1	940.7	937.8	2.0	1.8	175.83	-15.9	-79.9	124.8	124.8	0.00	N/A	
1,100.0	1,094.5	1,028.2	1,023.5	2.3	2.2	173.25	-26.5	-94.3	164.8	164.8	0.00	N/A	
1,200.0	1,191.9	1,121.3	1,114.3	2.7	2.5	171.02	-39.7	-110.0	206.0	206.0	0.00	N/A	
1,300.0	1,289.3	1,216.6	1,207.4	3.1	2.9	169.12	-54.4	-124.3	246.1	246.1	0.00	N/A	
1,400.0	1,386.7	1,312.1	1,300.9	3.5	3.2	167.83	-68.5	-137.3	284.9	284.9	0.00	N/A	
1,500.0	1,484.1	1,398.2	1,385.3	3.9	3.5	167.06	-80.7	-149.5	324.1	324.1	0.00	N/A	
1,600.0	1,581.4	1,495.0	1,480.1	4.4	3.9	166.42	-94.2	-163.4	363.5	363.5	0.00	N/A	
1,700.0	1,678.8	1,579.1	1,562.5	4.8	4.2	165.96	-106.0	-175.6	403.1	403.1	0.00	N/A	
1,800.0	1,776.2	1,677.9	1,659.1	5.2	4.6	165.54	-120.0	-190.5	443.3	443.3	0.00	N/A	
1,900.0	1,873.6	1,776.0	1,755.4	5.6	4.9	165.21	-133.3	-203.7	481.8	481.8	0.00	N/A	

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Antelope I-17 Pad - Antelope 23-17 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 500-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-63.87	21.9	-44.6	62.5					
100.0	100.0	62.1	62.1	0.2	0.1	-63.87	21.8	-44.5	49.6	49.6	0.00	N/A		
200.0	200.0	162.3	162.3	0.3	0.3	-63.88	21.6	-44.2	49.2	49.2	0.00	N/A		
300.0	300.0	262.4	262.4	0.5	0.5	-63.90	21.3	-43.5	48.4	48.4	0.00	N/A		
400.0	400.0	362.6	362.6	0.7	0.6	-63.93	20.8	-42.5	47.3	47.3	0.00	N/A		
500.0	500.0	462.8	462.7	0.9	0.8	-63.96	20.1	-41.2	45.9	45.9	0.00	N/A		
600.0	600.0	563.9	563.9	1.0	1.0	-63.01	19.8	-38.9	43.7	43.7	0.00	N/A		
686.9	686.9	650.7	650.3	1.2	1.2	-140.68	23.5	-32.6	41.8	41.8	0.00	N/A CC, ES		
700.0	700.0	663.7	663.2	1.2	1.2	-138.99	24.6	-31.3	41.8	41.8	0.00	N/A		
800.0	799.6	761.6	759.9	1.4	1.4	-126.31	36.3	-21.3	47.5	47.5	0.00	N/A		
900.0	898.8	861.0	857.6	1.6	1.7	-119.26	50.6	-10.9	59.4	59.4	0.00	N/A		
1,000.0	997.1	961.8	956.8	2.0	2.0	-117.80	63.5	1.3	72.0	72.0	0.00	N/A		
1,100.0	1,094.5	1,060.2	1,053.7	2.3	2.4	-119.12	76.1	13.9	86.2	86.2	0.00	N/A		
1,200.0	1,191.9	1,159.0	1,151.0	2.7	2.7	-120.60	88.7	25.9	100.9	100.9	0.00	N/A		
1,300.0	1,289.3	1,258.1	1,248.0	3.1	3.1	-120.64	102.5	39.7	115.6	115.6	0.00	N/A		
1,400.0	1,386.7	1,357.0	1,345.1	3.5	3.4	-120.59	116.4	53.6	130.3	130.3	0.00	N/A		
1,500.0	1,484.1	1,455.7	1,441.8	3.9	3.8	-120.69	130.0	67.2	144.9	144.9	0.00	N/A		
1,600.0	1,581.4	1,553.9	1,537.9	4.4	4.2	-120.33	144.6	81.5	159.9	159.9	0.00	N/A		
1,700.0	1,678.8	1,652.2	1,634.3	4.8	4.5	-120.58	158.5	94.3	175.3	175.3	0.00	N/A		
1,800.0	1,776.2	1,750.0	1,730.6	5.2	4.9	-121.18	171.9	105.8	191.1	191.1	0.00	N/A		
1,900.0	1,873.6	1,847.5	1,826.0	5.6	5.3	-121.07	187.0	118.6	207.4	207.4	0.00	N/A		
2,000.0	1,971.0	1,944.8	1,921.3	6.1	5.6	-120.99	202.5	131.0	224.3	224.3	0.00	N/A		
2,100.0	2,068.3	2,045.7	2,020.3	6.5	6.0	-121.23	217.7	142.9	241.2	241.2	0.00	N/A		
2,200.0	2,165.7	2,149.1	2,121.5	6.9	6.4	-121.06	233.1	157.4	256.6	256.6	0.00	N/A		
2,300.0	2,263.1	2,246.2	2,216.4	7.4	6.8	-120.77	247.4	171.9	271.3	271.3	0.00	N/A		
2,400.0	2,360.5	2,345.0	2,313.0	7.8	7.2	-120.47	262.5	186.6	286.4	286.4	0.00	N/A		
2,500.0	2,457.9	2,446.9	2,412.6	8.3	7.7	-120.17	277.5	202.2	300.9	300.9	0.00	N/A		
2,600.0	2,555.2	2,544.5	2,507.9	8.7	8.1	-119.90	291.8	217.3	315.3	315.3	0.00	N/A		
2,700.0	2,652.6	2,643.7	2,605.0	9.1	8.5	-119.81	305.9	231.8	329.8	329.8	0.00	N/A		
2,800.0	2,750.0	2,742.0	2,701.1	9.6	8.9	-119.65	320.3	246.5	344.4	344.4	0.00	N/A		
2,900.0	2,847.4	2,839.7	2,796.7	10.0	9.2	-119.49	334.7	261.1	359.2	359.2	0.00	N/A		
3,000.0	2,944.8	2,937.2	2,892.1	10.5	9.6	-119.46	349.2	274.7	374.5	374.5	0.00	N/A		
3,100.0	3,042.1	3,039.6	2,992.4	10.9	10.0	-119.47	363.9	289.0	389.5	389.5	0.00	N/A		
3,200.0	3,139.5	3,139.0	3,089.7	11.3	10.4	-119.41	377.8	303.8	403.7	403.7	0.00	N/A		
3,300.0	3,236.9	3,239.1	3,188.0	11.8	10.8	-119.50	391.4	317.6	418.1	418.1	0.00	N/A		
3,400.0	3,334.3	3,341.9	3,288.9	12.2	11.2	-119.63	404.5	332.1	431.7	431.7	0.00	N/A		
3,500.0	3,431.7	3,438.3	3,383.3	12.7	11.6	-119.61	417.1	346.7	445.1	445.1	0.00	N/A		
3,600.0	3,529.0	3,537.0	3,479.8	13.1	12.0	-119.45	431.3	362.1	459.1	459.1	0.00	N/A		
3,700.0	3,626.4	3,636.9	3,577.5	13.5	12.4	-119.32	445.3	377.7	472.9	472.9	0.00	N/A		
3,800.0	3,723.8	3,727.8	3,666.1	14.0	12.8	-119.11	459.0	392.2	487.3	487.3	0.00	N/A		

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Antelope I-17 Pad - Antelope 24-17 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 531-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-103.00	-10.9	-47.3	61.7					
100.0	100.0	62.0	62.0	0.2	0.1	-103.04	-11.0	-47.4	48.6	48.6	0.00	N/A CC, ES		
200.0	200.0	161.9	161.9	0.3	0.3	-103.31	-11.2	-47.5	48.8	48.8	0.00	N/A		
300.0	300.0	261.8	261.8	0.5	0.5	-103.81	-11.7	-47.7	49.2	49.2	0.00	N/A		
400.0	400.0	361.7	361.7	0.7	0.6	-104.54	-12.5	-48.1	49.7	49.7	0.00	N/A		
500.0	500.0	461.6	461.6	0.9	0.8	-105.47	-13.4	-48.6	50.4	50.4	0.00	N/A		
600.0	600.0	561.7	561.7	1.0	1.0	-106.72	-14.7	-49.1	51.3	51.3	0.00	N/A		
700.0	700.0	662.1	662.0	1.2	1.2	165.84	-17.8	-48.4	54.1	54.1	0.00	N/A		
800.0	799.6	762.6	762.4	1.4	1.4	161.99	-23.0	-45.4	60.7	60.7	0.00	N/A		
900.0	898.8	861.9	861.1	1.6	1.6	156.94	-31.9	-40.3	72.3	72.3	0.00	N/A		
1,000.0	997.1	962.1	960.4	2.0	1.8	152.92	-42.6	-32.9	87.7	87.7	0.00	N/A		
1,100.0	1,094.5	1,062.1	1,059.3	2.3	2.1	150.34	-53.8	-23.1	105.5	105.5	0.00	N/A		
1,200.0	1,191.9	1,163.9	1,159.5	2.7	2.4	147.43	-66.0	-10.0	121.7	121.7	0.00	N/A		
1,300.0	1,289.3	1,265.1	1,258.6	3.1	2.8	144.18	-78.2	6.9	135.3	135.3	0.00	N/A		
1,400.0	1,386.7	1,364.5	1,355.8	3.5	3.1	141.63	-89.6	23.8	148.6	148.6	0.00	N/A		
1,500.0	1,484.1	1,461.6	1,450.9	3.9	3.5	139.58	-100.7	40.3	162.1	162.1	0.00	N/A		
1,600.0	1,581.4	1,559.0	1,546.2	4.4	3.9	137.77	-113.1	56.0	177.3	177.3	0.00	N/A		
1,700.0	1,678.8	1,660.9	1,646.1	4.8	4.2	136.43	-125.1	72.0	192.3	192.3	0.00	N/A		
1,800.0	1,776.2	1,753.5	1,737.1	5.2	4.6	135.62	-135.4	86.1	207.2	207.2	0.00	N/A		
1,900.0	1,873.6	1,855.3	1,837.0	5.6	4.9	134.78	-148.6	100.3	224.2	224.2	0.00	N/A		
2,000.0	1,971.0	1,951.3	1,931.4	6.1	5.3	134.28	-159.6	114.0	240.1	240.1	0.00	N/A		
2,100.0	2,068.3	2,041.9	2,020.2	6.5	5.6	133.55	-172.5	126.5	258.3	258.3	0.00	N/A		
2,200.0	2,165.7	2,142.6	2,118.6	6.9	6.0	132.63	-188.7	140.3	278.0	278.0	0.00	N/A		
2,300.0	2,263.1	2,243.7	2,217.8	7.4	6.4	132.24	-202.5	153.4	296.4	296.4	0.00	N/A		
2,400.0	2,360.5	2,341.3	2,313.9	7.8	6.7	132.06	-215.2	165.6	314.5	314.5	0.00	N/A		
2,500.0	2,457.9	2,443.2	2,413.8	8.3	7.1	131.64	-228.9	179.8	332.1	332.1	0.00	N/A		
2,600.0	2,555.2	2,542.8	2,511.4	8.7	7.5	131.14	-242.2	194.6	349.1	349.1	0.00	N/A		
2,700.0	2,652.6	2,642.6	2,609.3	9.1	7.9	130.77	-254.9	209.3	365.8	365.8	0.00	N/A		
2,800.0	2,750.0	2,741.4	2,706.1	9.6	8.3	130.31	-267.9	224.6	382.3	382.3	0.00	N/A		
2,900.0	2,847.4	2,841.5	2,804.2	10.0	8.7	129.91	-280.8	240.0	398.8	398.8	0.00	N/A		
3,000.0	2,944.8	2,943.3	2,904.1	10.5	9.1	129.65	-292.8	255.5	414.3	414.3	0.00	N/A		
3,100.0	3,042.1	3,038.0	2,996.9	10.9	9.4	129.37	-304.2	270.3	430.0	430.0	0.00	N/A		
3,200.0	3,139.5	3,132.7	3,089.5	11.3	9.8	129.01	-317.2	284.8	447.0	447.0	0.00	N/A		
3,300.0	3,236.9	3,229.7	3,185.0	11.8	10.1	129.03	-329.0	297.3	464.3	464.3	0.00	N/A		
3,400.0	3,334.3	3,327.8	3,281.6	12.2	10.5	129.08	-341.1	309.4	482.0	482.0	0.00	N/A		
3,500.0	3,431.7	3,434.4	3,386.3	12.7	10.9	128.99	-354.4	324.1	499.1	499.1	0.00	N/A		

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Antelope I-17 Pad - Antelope I-17 (vert.) - DD - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-53.66	32.8	-44.6	67.1					
100.0	100.0	62.0	62.0	0.2	0.1	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A		
200.0	200.0	162.0	162.0	0.3	0.3	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A		
300.0	300.0	262.0	262.0	0.5	0.4	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A		
400.0	400.0	362.0	362.0	0.7	0.6	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A		
500.0	500.0	462.0	462.0	0.9	0.8	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A		
600.0	600.0	562.0	562.0	1.0	1.0	-53.66	32.8	-44.6	55.3	55.3	0.00	N/A	CC, ES	
700.0	700.0	662.0	662.0	1.2	1.1	-140.04	32.8	-44.6	57.3	57.3	0.00	N/A		
800.0	799.6	761.6	761.6	1.4	1.3	-144.48	32.8	-44.6	63.5	63.5	0.00	N/A		
900.0	898.8	860.8	860.8	1.6	1.5	-150.14	32.8	-44.6	74.6	74.6	0.00	N/A		
1,000.0	997.1	959.1	959.1	2.0	1.7	-155.65	32.8	-44.6	90.8	90.8	0.00	N/A		
1,100.0	1,094.5	1,056.5	1,056.5	2.3	1.8	-160.30	32.8	-44.6	111.7	111.7	0.00	N/A		
1,200.0	1,191.9	1,153.9	1,153.9	2.7	2.0	-163.58	32.8	-44.6	133.4	133.4	0.00	N/A		
1,300.0	1,289.3	1,251.3	1,251.3	3.1	2.2	-165.95	32.8	-44.6	155.3	155.3	0.00	N/A		
1,400.0	1,386.7	1,348.7	1,348.7	3.5	2.3	-167.73	32.8	-44.6	177.5	177.5	0.00	N/A		
1,500.0	1,484.1	1,446.1	1,446.1	3.9	2.5	-169.12	32.8	-44.6	199.8	199.8	0.00	N/A		
1,600.0	1,581.4	1,543.4	1,543.4	4.4	2.7	-170.22	32.8	-44.6	222.2	222.2	0.00	N/A		
1,700.0	1,678.8	1,640.8	1,640.8	4.8	2.8	-171.13	32.8	-44.6	244.7	244.7	0.00	N/A		
1,800.0	1,776.2	1,738.2	1,738.2	5.2	3.0	-171.88	32.8	-44.6	267.2	267.2	0.00	N/A		
1,900.0	1,873.6	1,835.6	1,835.6	5.6	3.2	-172.51	32.8	-44.6	289.7	289.7	0.00	N/A		
2,000.0	1,971.0	1,933.0	1,933.0	6.1	3.4	-173.06	32.8	-44.6	312.3	312.3	0.00	N/A		
2,100.0	2,068.3	2,030.3	2,030.3	6.5	3.5	-173.53	32.8	-44.6	334.9	334.9	0.00	N/A		
2,200.0	2,165.7	2,127.7	2,127.7	6.9	3.7	-173.94	32.8	-44.6	357.5	357.5	0.00	N/A		
2,300.0	2,263.1	2,225.1	2,225.1	7.4	3.9	-174.30	32.8	-44.6	380.1	380.1	0.00	N/A		
2,400.0	2,360.5	2,322.5	2,322.5	7.8	4.0	-174.62	32.8	-44.6	402.8	402.8	0.00	N/A		
2,500.0	2,457.9	2,419.9	2,419.9	8.3	4.2	-174.91	32.8	-44.6	425.4	425.4	0.00	N/A		
2,600.0	2,555.2	2,517.2	2,517.2	8.7	4.4	-175.17	32.8	-44.6	448.1	448.1	0.00	N/A		
2,700.0	2,652.6	2,614.6	2,614.6	9.1	4.5	-175.40	32.8	-44.6	470.7	470.7	0.00	N/A		
2,800.0	2,750.0	2,712.0	2,712.0	9.6	4.7	-175.61	32.8	-44.6	493.4	493.4	0.00	N/A		

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Antelope I-17 Pad - Antelope M-17 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	29.1	0.0	30.2					
100.0	100.0	92.0	92.0	0.2	0.1	0.00	29.1	0.0	29.1	29.1	0.00	N/A		
200.0	200.0	192.0	192.0	0.3	0.3	0.00	29.1	0.0	29.1	29.1	0.00	N/A		
300.0	300.0	292.0	292.0	0.5	0.5	0.00	29.1	0.0	29.1	29.1	0.00	N/A		
400.0	400.0	392.0	392.0	0.7	0.7	0.00	29.1	0.0	29.1	29.1	0.00	N/A		
500.0	500.0	492.0	492.0	0.9	0.8	0.00	29.1	0.0	29.1	29.1	0.00	N/A		
600.0	600.0	592.0	592.0	1.0	1.0	0.00	29.1	0.0	29.1	29.1	0.00	N/A CC, ES		
700.0	700.0	691.0	690.9	1.2	1.2	-86.73	30.7	1.5	30.5	30.5	0.00	N/A		
800.0	799.6	789.6	789.3	1.4	1.4	-90.86	36.1	6.4	35.4	35.4	0.00	N/A		
900.0	898.8	888.0	886.9	1.6	1.6	-95.31	45.1	14.7	43.9	43.9	0.00	N/A		
1,000.0	997.1	985.7	983.1	2.0	1.9	-99.01	57.7	26.3	56.2	56.2	0.00	N/A		
1,100.0	1,094.5	1,082.8	1,077.6	2.3	2.3	-101.25	73.7	41.2	72.1	72.1	0.00	N/A		
1,200.0	1,191.9	1,179.0	1,170.2	2.7	2.7	-100.25	93.2	59.1	90.5	90.5	0.00	N/A		
1,300.0	1,289.3	1,274.0	1,260.1	3.1	3.3	-97.45	115.6	79.8	111.5	111.5	0.00	N/A		
1,400.0	1,386.7	1,370.7	1,350.6	3.5	3.8	-94.42	140.6	102.8	134.5	134.5	0.00	N/A		
1,500.0	1,484.1	1,467.8	1,441.5	3.9	4.4	-92.25	165.7	126.0	157.8	157.8	0.00	N/A		
1,600.0	1,581.4	1,564.9	1,532.4	4.4	5.0	-90.65	190.8	149.2	181.3	181.3	0.00	N/A		
1,700.0	1,678.8	1,662.0	1,623.3	4.8	5.6	-89.41	215.9	172.3	204.8	204.8	0.00	N/A		
1,800.0	1,776.2	1,759.1	1,714.2	5.2	6.2	-88.42	241.0	195.5	228.5	228.5	0.00	N/A		
1,900.0	1,873.6	1,856.2	1,805.1	5.6	6.9	-87.62	266.1	218.6	252.1	252.1	0.00	N/A		
2,000.0	1,971.0	1,953.3	1,896.0	6.1	7.5	-86.96	291.2	241.8	275.9	275.9	0.00	N/A		
2,100.0	2,068.3	2,050.4	1,986.9	6.5	8.1	-86.40	316.4	264.9	299.6	299.6	0.00	N/A		
2,200.0	2,165.7	2,147.5	2,077.8	6.9	8.7	-85.93	341.5	288.1	323.4	323.4	0.00	N/A		
2,300.0	2,263.1	2,244.6	2,168.7	7.4	9.4	-85.52	366.6	311.3	347.2	347.2	0.00	N/A		
2,400.0	2,360.5	2,341.7	2,259.6	7.8	10.0	-85.16	391.7	334.4	371.0	371.0	0.00	N/A		
2,500.0	2,457.9	2,438.8	2,350.5	8.3	10.6	-84.85	416.8	357.6	394.8	394.8	0.00	N/A		
2,600.0	2,555.2	2,535.9	2,441.4	8.7	11.2	-84.57	441.9	380.7	418.6	418.6	0.00	N/A		
2,700.0	2,652.6	2,633.0	2,532.3	9.1	11.9	-84.32	467.0	403.9	442.4	442.4	0.00	N/A		
2,800.0	2,750.0	2,730.1	2,623.2	9.6	12.5	-84.09	492.1	427.1	466.3	466.3	0.00	N/A		
2,900.0	2,847.4	2,827.2	2,714.0	10.0	13.1	-83.89	517.2	450.2	490.1	490.1	0.00	N/A		

Cathedral Energy Services

Anticollision Report

Company:	Bonanza Creek Energy Operating Company, LLC	Local Co-ordinate Reference:	Well Antelope N-17
Project:	Weld County	TVD Reference:	KBE @ 4690.0ft (Original Well Elev)
Reference Site:	Antelope I-17 Pad	MD Reference:	KBE @ 4690.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Antelope N-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KBE @ 4690.0ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Antelope N-17
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.74°

