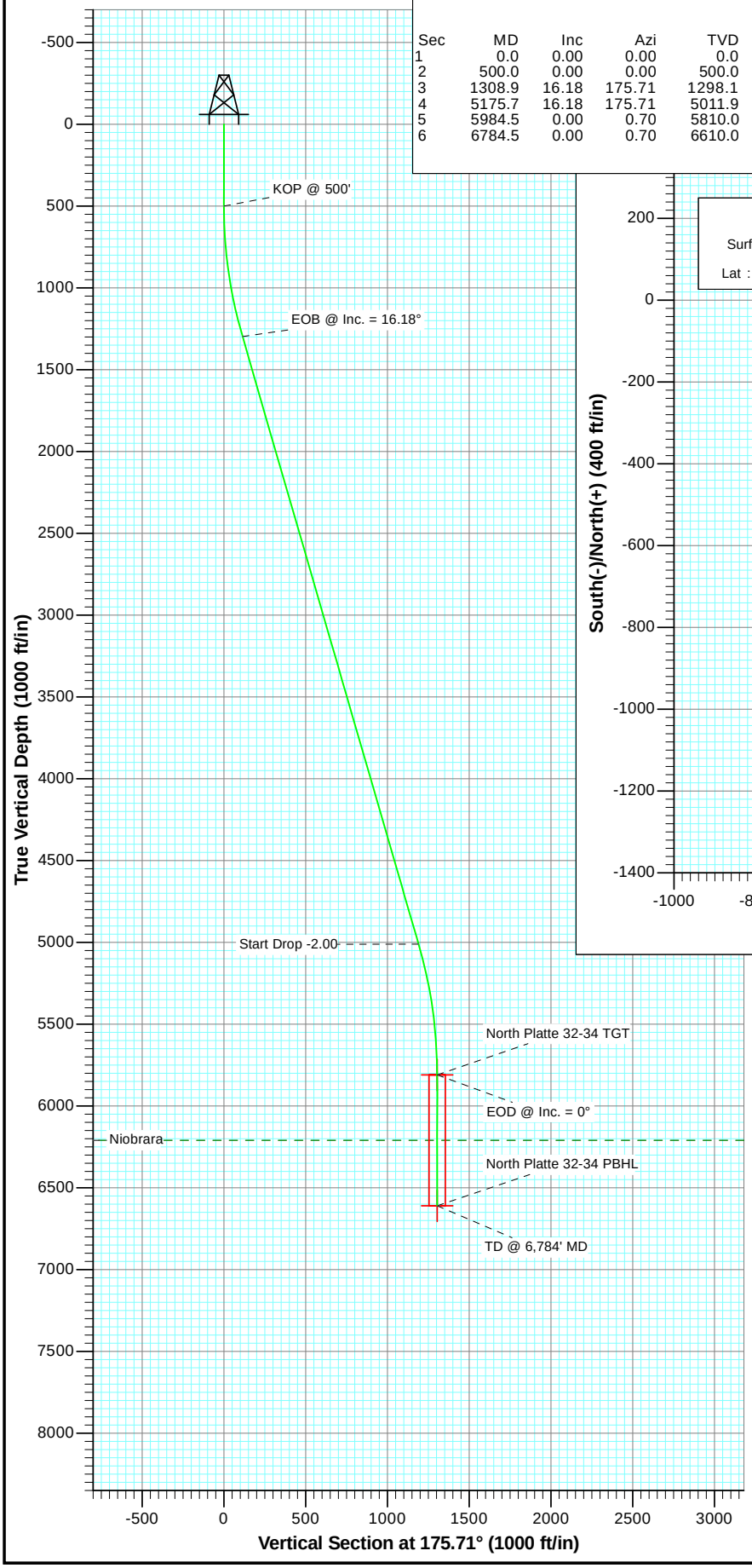
BONANZA CREEK ENERGY COMPANY

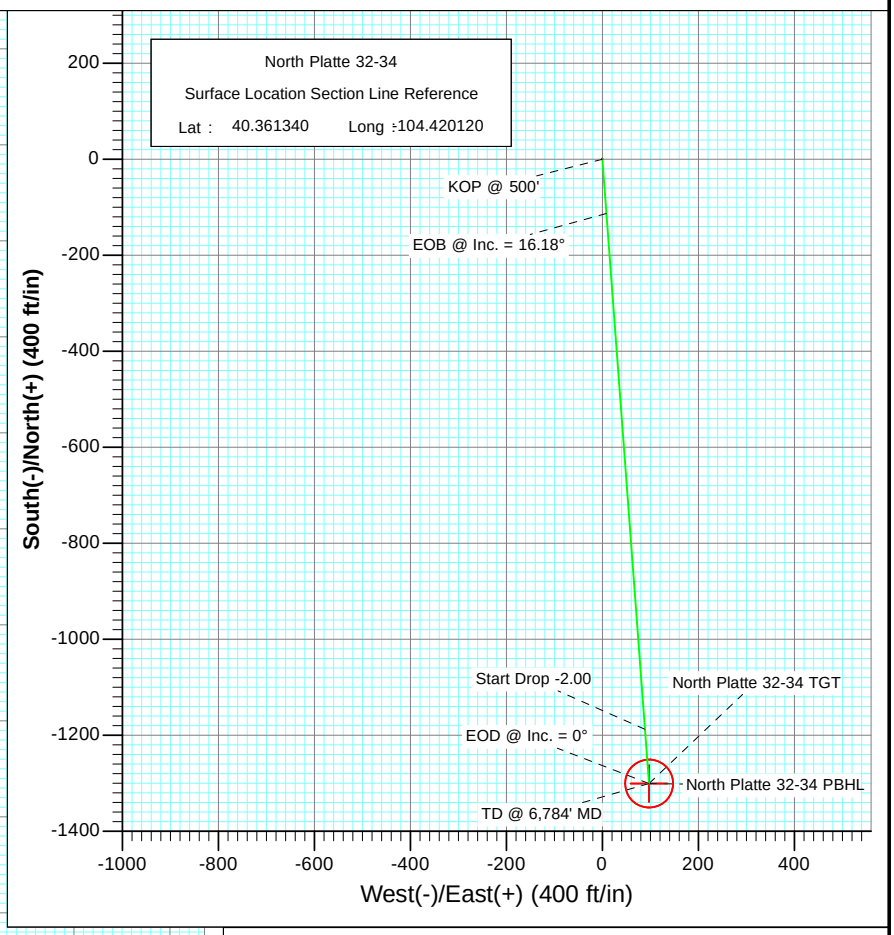
Project: Weld County
Site: North Platte 32-34
Well: North Platte 32-34
Wellbore: DD
Plan: Plan #1

CATHEDRAL

SECTION DETAILS

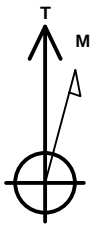
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1308.9	16.18	175.71	1298.1	-113.1	8.5	2.00	175.71	113.4	
4	5175.7	16.18	175.71	5011.9	-1187.4	89.1	0.00	0.00	1190.7	
5	5984.5	0.00	0.70	5810.0	-1300.5	97.5	2.00	180.00	1304.2	North Platte 32-34 TGT
6	6784.5	0.00	0.70	6610.0	-1300.5	97.5	0.00	0.70	1304.2	North Platte 32-34 PBHL





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
6210.0	6384.5	Niobrara



Azimuths to True North
Magnetic North: 8.70°

Magnetic Field
Strength: 53167.4snT
Dip Angle: 67.08°
Date: 4/18/2011
Model: IGRF2010

Plan #1
North Platte 32-34

KBE @ 4546.0ft (Original Well Elev)
North American Datum 1983
Well North Platte 32-34, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	175.71	Slot	0.0	0.0	0.0

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
North Platte 32-34 TGT	5810.0	-1300.5	97.5	40.357770	-104.419770
North Platte 32-34 PBHL	6610.0	-1300.5	97.5	40.357770	-104.419770

Planning Report

Database:	EDM 5000.1 US Multi Users DB	**Local Co-ordinate Reference:**	Well North Platte 32-34
Company:	Bonanza Creek Energy Operating Company, LLC	**TVD Reference:**	KBE @ 4546.0ft (Original Well Elev)
Project:	Weld County	**MD Reference:**	KBE @ 4546.0ft (Original Well Elev)
Site:	North Platte 32-34	**North Reference:**	True
Well:	North Platte 32-34	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	DD		
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	North Platte 32-34				
Site Position:		**Northing:**	1,376,311.82 ft	**Latitude:**	40.361340
From:	Lat/Long	**Easting:**	3,300,928.44 ft	**Longitude:**	-104.420120
Position Uncertainty:	0.0 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.70 °

Well	North Platte 32-34					
Well Position	**+N/-S**	0.0 ft	**Northing:**	1,376,311.81 ft	**Latitude:**	40.361340
	+E/-W	0.0 ft	**Easting:**	3,300,928.44 ft	**Longitude:**	-104.420120
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,536.0 ft

Wellbore	DD				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	4/18/2011	8.70	67.08	53,167

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	175.71	

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,308.9	16.18	175.71	1,298.1	-113.1	8.5	2.00	2.00	0.00	175.71	
5,175.7	16.18	175.71	5,011.9	-1,187.4	89.1	0.00	0.00	0.00	0.00	
5,984.5	0.00	0.70	5,810.0	-1,300.5	97.5	2.00	-2.00	0.00	180.00	North Platte 32-34 TG
6,784.5	0.00	0.70	6,610.0	-1,300.5	97.5	0.00	0.00	0.00	0.70	North Platte 32-34 PB

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Project:	Weld County	**MD Reference:**	KBE @ 4546.0ft (Original Well Elev)
Site:	North Platte 32-34	**North Reference:**	True
Well:	North Platte 32-34	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	DD		
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	KOP @ 500'
600.0	2.00	175.71	600.0	-1.7	0.1	1.7	2.00	2.00	
700.0	4.00	175.71	699.8	-7.0	0.5	7.0	2.00	2.00	
800.0	6.00	175.71	799.5	-15.6	1.2	15.7	2.00	2.00	
900.0	8.00	175.71	898.7	-27.8	2.1	27.9	2.00	2.00	
1,000.0	10.00	175.71	997.5	-43.4	3.3	43.5	2.00	2.00	
1,100.0	12.00	175.71	1,095.6	-62.4	4.7	62.6	2.00	2.00	
1,200.0	14.00	175.71	1,193.1	-84.9	6.4	85.1	2.00	2.00	
1,308.9	16.18	175.71	1,298.1	-113.1	8.5	113.4	2.00	2.00	EOB @ Inc. = 16.18°
1,400.0	16.18	175.71	1,385.7	-138.4	10.4	138.8	0.00	0.00	
1,500.0	16.18	175.71	1,481.7	-166.2	12.5	166.7	0.00	0.00	
1,600.0	16.18	175.71	1,577.8	-194.0	14.6	194.5	0.00	0.00	
1,700.0	16.18	175.71	1,673.8	-221.8	16.6	222.4	0.00	0.00	
1,800.0	16.18	175.71	1,769.8	-249.6	18.7	250.3	0.00	0.00	
1,900.0	16.18	175.71	1,865.9	-277.3	20.8	278.1	0.00	0.00	
2,000.0	16.18	175.71	1,961.9	-305.1	22.9	306.0	0.00	0.00	
2,100.0	16.18	175.71	2,058.0	-332.9	25.0	333.8	0.00	0.00	
2,200.0	16.18	175.71	2,154.0	-360.7	27.1	361.7	0.00	0.00	
2,300.0	16.18	175.71	2,250.1	-388.5	29.1	389.6	0.00	0.00	
2,400.0	16.18	175.71	2,346.1	-416.3	31.2	417.4	0.00	0.00	
2,500.0	16.18	175.71	2,442.1	-444.0	33.3	445.3	0.00	0.00	
2,600.0	16.18	175.71	2,538.2	-471.8	35.4	473.2	0.00	0.00	
2,700.0	16.18	175.71	2,634.2	-499.6	37.5	501.0	0.00	0.00	
2,800.0	16.18	175.71	2,730.3	-527.4	39.6	528.9	0.00	0.00	
2,900.0	16.18	175.71	2,826.3	-555.2	41.6	556.7	0.00	0.00	
3,000.0	16.18	175.71	2,922.3	-583.0	43.7	584.6	0.00	0.00	
3,100.0	16.18	175.71	3,018.4	-610.7	45.8	612.5	0.00	0.00	
3,200.0	16.18	175.71	3,114.4	-638.5	47.9	640.3	0.00	0.00	
3,300.0	16.18	175.71	3,210.5	-666.3	50.0	668.2	0.00	0.00	
3,400.0	16.18	175.71	3,306.5	-694.1	52.1	696.0	0.00	0.00	
3,500.0	16.18	175.71	3,402.5	-721.9	54.1	723.9	0.00	0.00	
3,600.0	16.18	175.71	3,498.6	-749.7	56.2	751.8	0.00	0.00	
3,700.0	16.18	175.71	3,594.6	-777.4	58.3	779.6	0.00	0.00	
3,800.0	16.18	175.71	3,690.7	-805.2	60.4	807.5	0.00	0.00	
3,900.0	16.18	175.71	3,786.7	-833.0	62.5	835.3	0.00	0.00	
4,000.0	16.18	175.71	3,882.7	-860.8	64.6	863.2	0.00	0.00	
4,100.0	16.18	175.71	3,978.8	-888.6	66.6	891.1	0.00	0.00	
4,200.0	16.18	175.71	4,074.8	-916.4	68.7	918.9	0.00	0.00	
4,300.0	16.18	175.71	4,170.9	-944.1	70.8	946.8	0.00	0.00	
4,400.0	16.18	175.71	4,266.9	-971.9	72.9	974.6	0.00	0.00	
4,500.0	16.18	175.71	4,362.9	-999.7	75.0	1,002.5	0.00	0.00	
4,600.0	16.18	175.71	4,459.0	-1,027.5	77.1	1,030.4	0.00	0.00	
4,700.0	16.18	175.71	4,555.0	-1,055.3	79.1	1,058.2	0.00	0.00	
4,800.0	16.18	175.71	4,651.1	-1,083.0	81.2	1,086.1	0.00	0.00	
4,900.0	16.18	175.71	4,747.1	-1,110.8	83.3	1,113.9	0.00	0.00	
5,000.0	16.18	175.71	4,843.1	-1,138.6	85.4	1,141.8	0.00	0.00	
5,100.0	16.18	175.71	4,939.2	-1,166.4	87.5	1,169.7	0.00	0.00	

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Project:	Weld County	**MD Reference:**	KBE @ 4546.0ft (Original Well Elev)
Site:	North Platte 32-34	**North Reference:**	True
Well:	North Platte 32-34	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	DD		
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
5,175.7	16.18	175.71	5,011.9	-1,187.4	89.1	1,190.7	0.00	0.00	Start Drop -2.00
5,200.0	15.69	175.71	5,035.3	-1,194.1	89.6	1,197.4	2.00	-2.00	
5,300.0	13.69	175.71	5,132.0	-1,219.4	91.5	1,222.8	2.00	-2.00	
5,400.0	11.69	175.71	5,229.5	-1,241.3	93.1	1,244.8	2.00	-2.00	
5,500.0	9.69	175.71	5,327.8	-1,259.8	94.5	1,263.3	2.00	-2.00	
5,600.0	7.69	175.71	5,426.6	-1,274.8	95.6	1,278.4	2.00	-2.00	
5,700.0	5.69	175.71	5,526.0	-1,286.5	96.5	1,290.1	2.00	-2.00	
5,800.0	3.69	175.71	5,625.6	-1,294.6	97.1	1,298.2	2.00	-2.00	
5,900.0	1.69	175.71	5,725.5	-1,299.3	97.4	1,302.9	2.00	-2.00	
5,984.5	0.00	0.70	5,810.0	-1,300.5	97.5	1,304.2	2.00	-2.00	EOD @ Inc. = 0°
6,000.0	0.00	0.70	5,825.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,100.0	0.00	0.70	5,925.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,200.0	0.00	0.70	6,025.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,300.0	0.00	0.70	6,125.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,384.5	0.00	0.70	6,210.0	-1,300.5	97.5	1,304.2	0.00	0.00	Niobrara
6,400.0	0.00	0.70	6,225.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,500.0	0.00	0.70	6,325.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,600.0	0.00	0.70	6,425.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,700.0	0.00	0.70	6,525.5	-1,300.5	97.5	1,304.2	0.00	0.00	
6,784.5	0.00	0.70	6,610.0	-1,300.5	97.5	1,304.2	0.00	0.00	TD @ 6,784' MD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
North Platte 32-34 PBHL - plan hits target center - Circle (radius 50.0)	0.00	0.70	6,610.0	-1,300.5	97.5	1,375,012.57	3,301,041.81	40.357770	-104.419770
North Platte 32-34 TGT - plan hits target center - Point	0.00	0.70	5,810.0	-1,300.5	97.5	1,375,012.57	3,301,041.81	40.357770	-104.419770

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,384.5	6,210.0	Niobrara		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
500.0	500.0	0.0	0.0	KOP @ 500'
1,308.9	1,298.1	-113.1	8.5	EOB @ Inc. = 16.18°
5,175.7	5,011.9	-1,187.4	89.1	Start Drop -2.00
5,984.5	5,810.0	-1,300.5	97.5	EOD @ Inc. = 0°
6,784.5	6,610.0	-1,300.5	97.5	TD @ 6,784' MD