



PROJECT DETAILS: Weld County, CO NAD 83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: True

Project: Weld County, CO NAD 83
Site: SRC Fagerberg 33-12 Pad
Well: Fagerberg 6N-7C-M
Wellbore: OH
Design: Plan #2



Azimuths to True North
Magnetic North: 8.48°



Magnetic Field
Strength: 52591.5nT
Dip Angle: 67.03°
Date: 3/18/2016
Model: BGGM2015

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00
1468.60	23.37	0.00	1436.46	235.06	0.00	2.00	0.00	0.00
4984.13	23.37	0.00	4663.54	1629.67	0.00	0.00	0.00	0.00
6152.73	0.00	0.00	5800.00	1864.73	0.00	2.00	180.00	0.00
6723.14	0.00	0.00	6370.41	1864.73	0.00	0.00	0.00	0.00
7729.79	90.60	90.00	7007.00	1864.73	643.26	9.00	90.00	643.26
14914.93	90.60	90.00	6932.00	1864.73	7828.02	0.00	0.00	7828.02

WELL DETAILS: Fagerberg 6N-7C-M

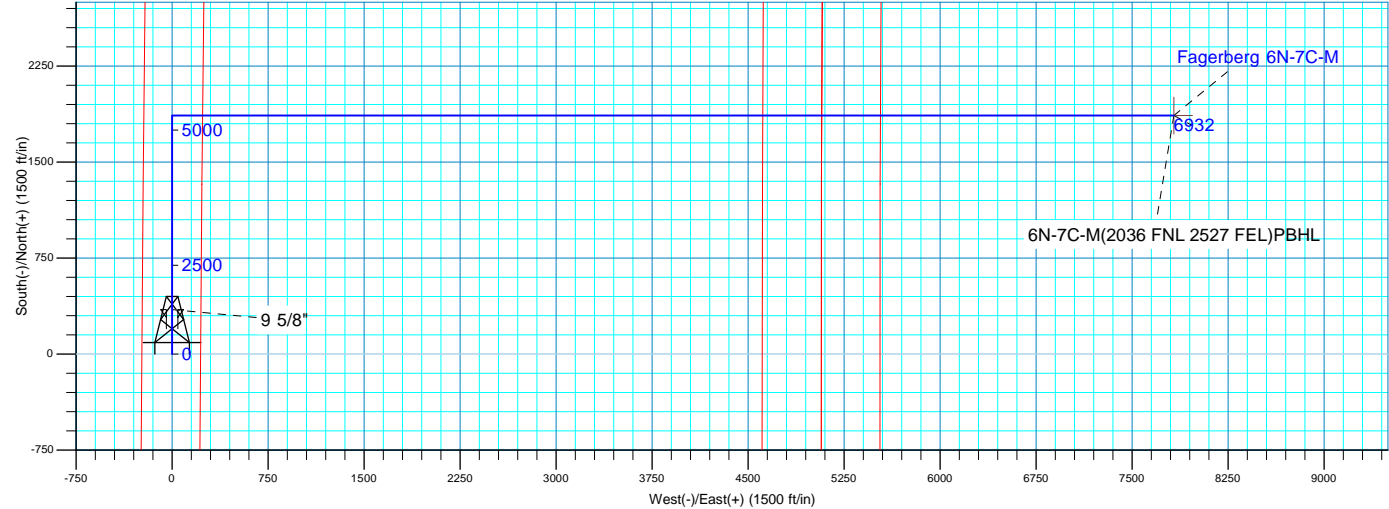
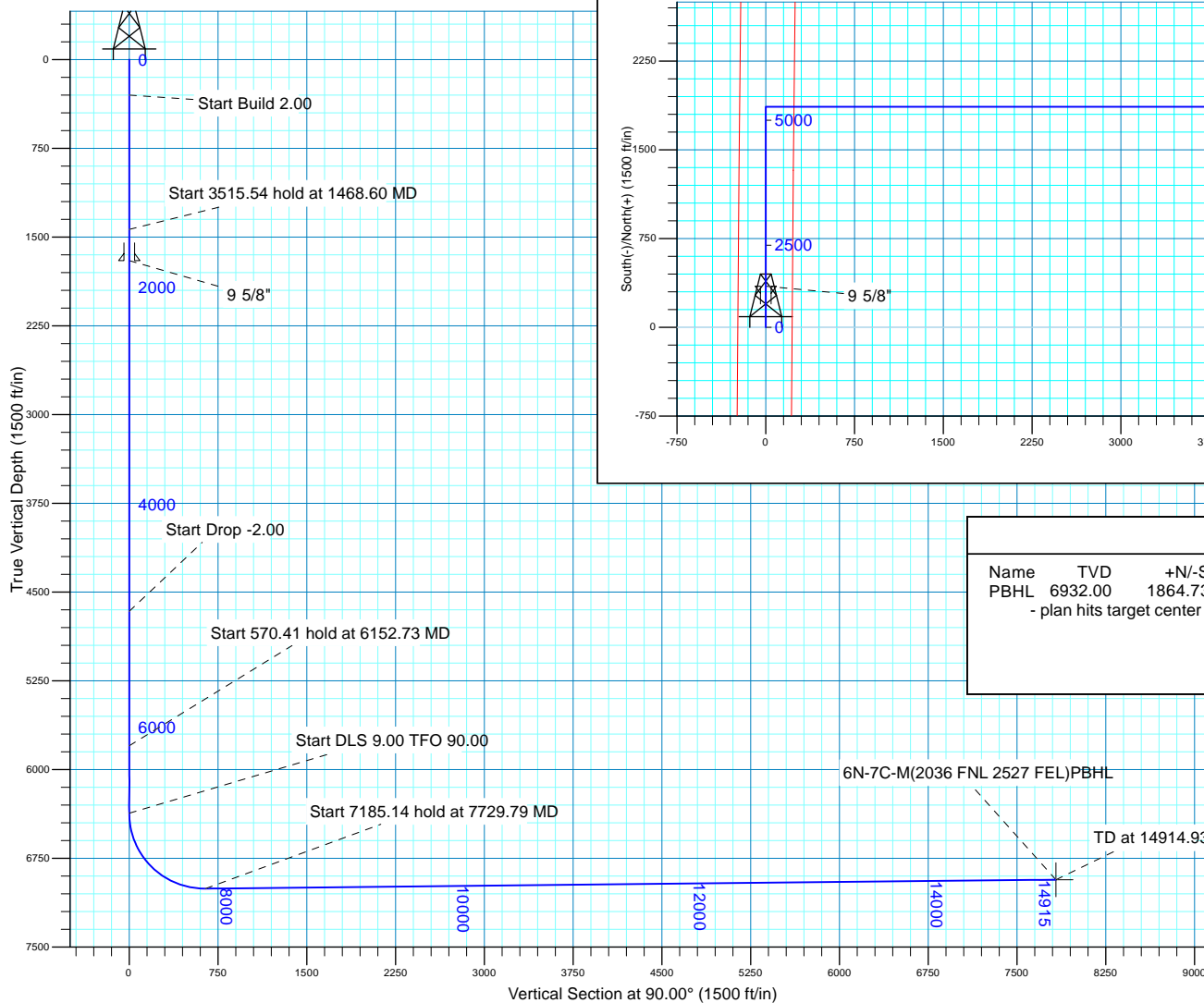
+N/-S	+E/-W	GL 4800 & KB 20 @ 4820.00ft (PD 462)	4800.00	Longitude
0.00	0.00	Northing	Easting	Latitude
0.00	0.00	1425627.89	3212989.82	40.4992248
				-104.7341230

Plan: Plan #2 (Fagerberg 6N-7C-M/OH)

CASING DETAILS

Created By: rscott Date: 11:27, March 30 2016

TVD	MD	Name	Size
1700.00	1755.70	9 5/8"	9.625

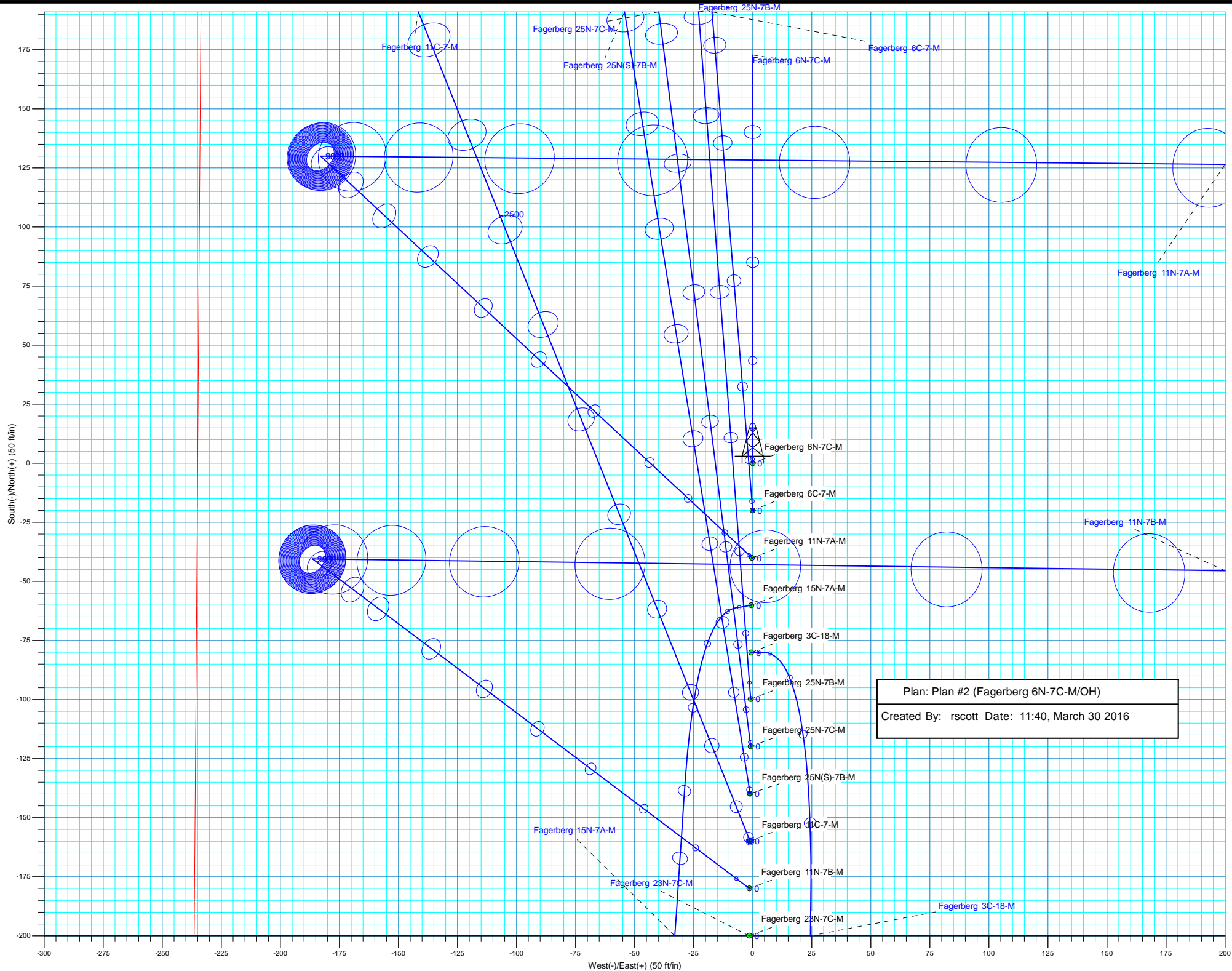


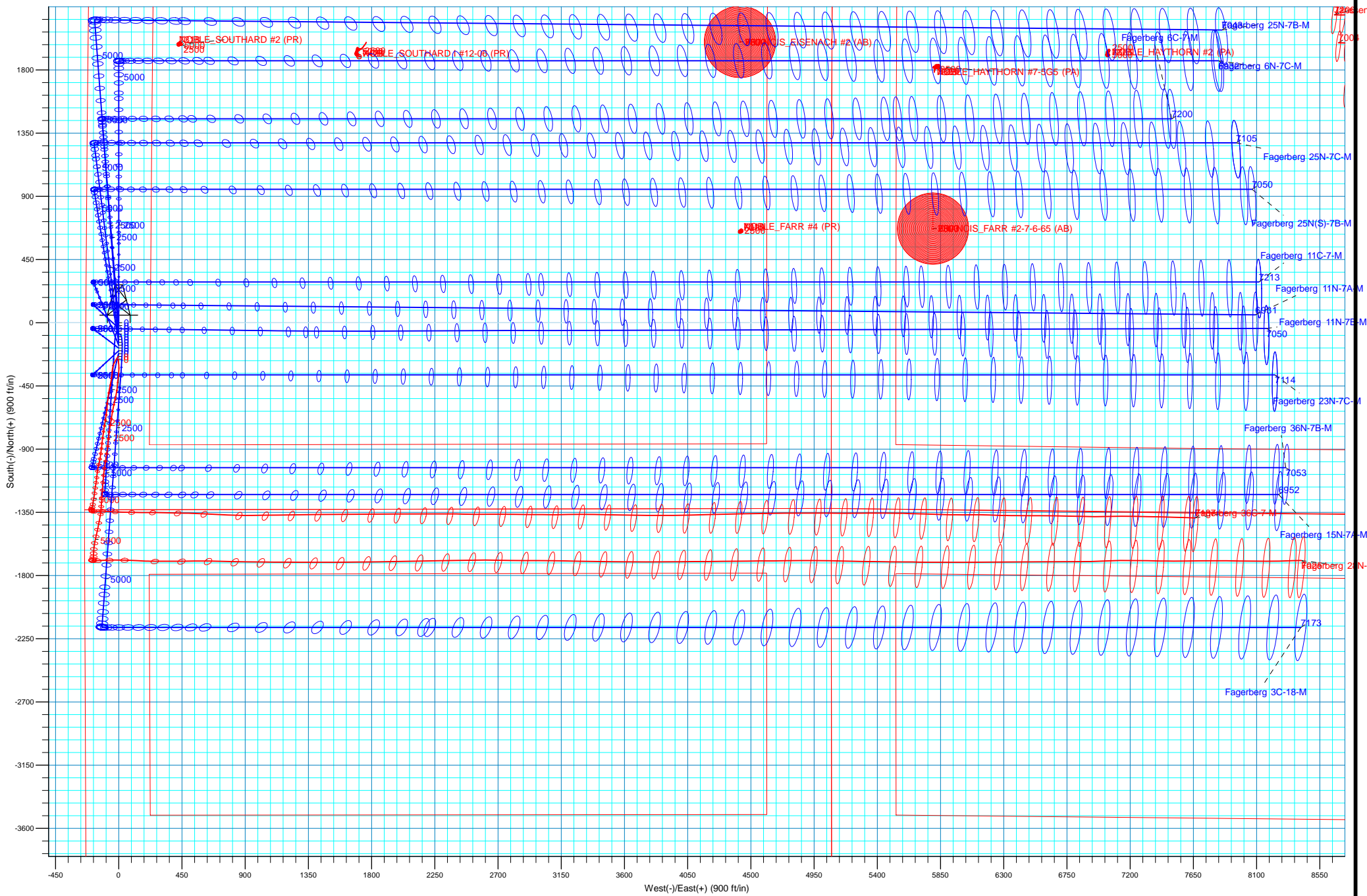
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	6932.00	1864.73	7828.02	1427560.16	3220801.43	40.5043400	-104.7059730	Point
- plan hits target center								

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipDirInc
3763.00	4003.10	Parkman	23.37
4288.00	4575.03	Sussex	23.37
4820.00	5152.54	Base of Fox Hills	20.00
4958.00	5298.11	Shannon	17.09
5976.00	6328.73	Lower Pierre	0.00
6905.00	7357.72	Sharon Springs	57.11
6939.00	7426.15	Nio A Chalk	63.27
6960.00	7476.91	Nio A Marl	67.84







Synergy Resources Corp.

**Weld County, CO NAD 83
SRC Fagerberg 33-12 Pad
Fagerberg 6N-7C-M**

OH

Plan: Plan #2

Standard Planning Report

30 March, 2016



Database:	Casper District	Local Co-ordinate Reference:	Well Fagerberg 6N-7C-M
Company:	Synergy Resources Corp.	TVD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Project:	Weld County, CO NAD 83	MD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Site:	SRC Fagerberg 33-12 Pad	North Reference:	True
Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Weld County, CO NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		SRC Fagerberg 33-12 Pad, SECTION 12 T6N R66W			
Site Position:		Northing:	1,425,367.83 usft	Latitude:	40.4985110
From:	Lat/Long	Easting:	3,212,990.12 usft	Longitude:	-104.7341300
Position Uncertainty:	3.28 ft	Slot Radius:	13.200 in	Grid Convergence:	0.49 °

Well	Fagerberg 6N-7C-M, 1331 FSL 235 FWL					
Well Position	+N/-S	260.05 ft	Northing:	1,425,627.89 usft	Latitude:	40.4992248
	+E/-W	1.95 ft	Easting:	3,212,989.83 usft	Longitude:	-104.7341230
Position Uncertainty		3.28 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,800.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	3/18/2016	8.48	67.03	52,592

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	90.00

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,468.60	23.37	0.00	1,436.46	235.06	0.00	2.00	2.00	0.00	0.00	
4,984.13	23.37	0.00	4,663.54	1,629.67	0.00	0.00	0.00	0.00	0.00	
6,152.73	0.00	0.00	5,800.00	1,864.73	0.00	2.00	-2.00	0.00	180.00	
6,723.14	0.00	0.00	6,370.41	1,864.73	0.00	0.00	0.00	0.00	0.00	
7,729.79	90.60	90.00	7,007.00	1,864.73	643.26	9.00	9.00	8.94	90.00	
14,914.93	90.60	90.00	6,932.00	1,864.73	7,828.02	0.00	0.00	0.00	0.00	6N-7C-M(2036 FNL 2

Database:	Casper District	Local Co-ordinate Reference:	Well Fagerberg 6N-7C-M
Company:	Synergy Resources Corp.	TVD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Project:	Weld County, CO NAD 83	MD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Site:	SRC Fagerberg 33-12 Pad	North Reference:	True
Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	0.00	399.98	1.75	0.00	0.00	2.00	2.00	0.00
500.00	4.00	0.00	499.84	6.98	0.00	0.00	2.00	2.00	0.00
600.00	6.00	0.00	599.45	15.69	0.00	0.00	2.00	2.00	0.00
700.00	8.00	0.00	698.70	27.88	0.00	0.00	2.00	2.00	0.00
800.00	10.00	0.00	797.47	43.52	0.00	0.00	2.00	2.00	0.00
900.00	12.00	0.00	895.62	62.60	0.00	0.00	2.00	2.00	0.00
1,000.00	14.00	0.00	993.06	85.10	0.00	0.00	2.00	2.00	0.00
1,100.00	16.00	0.00	1,089.64	110.98	0.00	0.00	2.00	2.00	0.00
1,200.00	18.00	0.00	1,185.27	140.21	0.00	0.00	2.00	2.00	0.00
1,300.00	20.00	0.00	1,279.82	172.77	0.00	0.00	2.00	2.00	0.00
1,400.00	22.00	0.00	1,373.17	208.60	0.00	0.00	2.00	2.00	0.00
1,468.60	23.37	0.00	1,436.46	235.06	0.00	0.00	2.00	2.00	0.00
Start 3515.54 hold at 1468.60 MD									
1,500.00	23.37	0.00	1,465.28	247.52	0.00	0.00	0.00	0.00	0.00
1,600.00	23.37	0.00	1,557.08	287.19	0.00	0.00	0.00	0.00	0.00
1,700.00	23.37	0.00	1,648.87	326.86	0.00	0.00	0.00	0.00	0.00
1,755.70	23.37	0.00	1,700.00	348.95	0.00	0.00	0.00	0.00	0.00
9 5/8"									
1,800.00	23.37	0.00	1,740.67	366.53	0.00	0.00	0.00	0.00	0.00
1,900.00	23.37	0.00	1,832.46	406.20	0.00	0.00	0.00	0.00	0.00
2,000.00	23.37	0.00	1,924.26	445.87	0.00	0.00	0.00	0.00	0.00
2,100.00	23.37	0.00	2,016.05	485.54	0.00	0.00	0.00	0.00	0.00
2,200.00	23.37	0.00	2,107.85	525.21	0.00	0.00	0.00	0.00	0.00
2,300.00	23.37	0.00	2,199.64	564.88	0.00	0.00	0.00	0.00	0.00
2,400.00	23.37	0.00	2,291.44	604.55	0.00	0.00	0.00	0.00	0.00
2,500.00	23.37	0.00	2,383.23	644.22	0.00	0.00	0.00	0.00	0.00
2,600.00	23.37	0.00	2,475.03	683.89	0.00	0.00	0.00	0.00	0.00
2,700.00	23.37	0.00	2,566.82	723.56	0.00	0.00	0.00	0.00	0.00
2,800.00	23.37	0.00	2,658.62	763.23	0.00	0.00	0.00	0.00	0.00
2,900.00	23.37	0.00	2,750.41	802.90	0.00	0.00	0.00	0.00	0.00
3,000.00	23.37	0.00	2,842.21	842.57	0.00	0.00	0.00	0.00	0.00
3,100.00	23.37	0.00	2,934.00	882.24	0.00	0.00	0.00	0.00	0.00
3,200.00	23.37	0.00	3,025.80	921.91	0.00	0.00	0.00	0.00	0.00
3,300.00	23.37	0.00	3,117.59	961.58	0.00	0.00	0.00	0.00	0.00
3,400.00	23.37	0.00	3,209.39	1,001.24	0.00	0.00	0.00	0.00	0.00
3,500.00	23.37	0.00	3,301.18	1,040.91	0.00	0.00	0.00	0.00	0.00
3,600.00	23.37	0.00	3,392.98	1,080.58	0.00	0.00	0.00	0.00	0.00
3,700.00	23.37	0.00	3,484.77	1,120.25	0.00	0.00	0.00	0.00	0.00
3,800.00	23.37	0.00	3,576.57	1,159.92	0.00	0.00	0.00	0.00	0.00
3,900.00	23.37	0.00	3,668.36	1,199.59	0.00	0.00	0.00	0.00	0.00
4,000.00	23.37	0.00	3,760.16	1,239.26	0.00	0.00	0.00	0.00	0.00
4,003.10	23.37	0.00	3,763.00	1,240.49	0.00	0.00	0.00	0.00	0.00
Parkman									
4,100.00	23.37	0.00	3,851.95	1,278.93	0.00	0.00	0.00	0.00	0.00
4,200.00	23.37	0.00	3,943.74	1,318.60	0.00	0.00	0.00	0.00	0.00
4,300.00	23.37	0.00	4,035.54	1,358.27	0.00	0.00	0.00	0.00	0.00
4,400.00	23.37	0.00	4,127.33	1,397.94	0.00	0.00	0.00	0.00	0.00
4,500.00	23.37	0.00	4,219.13	1,437.61	0.00	0.00	0.00	0.00	0.00
4,575.03	23.37	0.00	4,288.00	1,467.38	0.00	0.00	0.00	0.00	0.00

Database:	Casper District	Local Co-ordinate Reference:	Well Fagerberg 6N-7C-M
Company:	Synergy Resources Corp.	TVD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Project:	Weld County, CO NAD 83	MD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Site:	SRC Fagerberg 33-12 Pad	North Reference:	True
Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	Turn Rate (°/100ft)
Sussex									
4,600.00	23.37	0.00	4,310.92	1,477.28	0.00	0.00	0.00	0.00	0.00
4,700.00	23.37	0.00	4,402.72	1,516.95	0.00	0.00	0.00	0.00	0.00
4,800.00	23.37	0.00	4,494.51	1,556.62	0.00	0.00	0.00	0.00	0.00
4,900.00	23.37	0.00	4,586.31	1,596.29	0.00	0.00	0.00	0.00	0.00
4,984.13	23.37	0.00	4,663.54	1,629.67	0.00	0.00	0.00	0.00	0.00
Start Drop -2.00									
5,000.00	23.05	0.00	4,678.12	1,635.92	0.00	0.00	2.00	-2.00	0.00
5,100.00	21.05	0.00	4,770.80	1,673.47	0.00	0.00	2.00	-2.00	0.00
5,152.54	20.00	0.00	4,820.00	1,691.89	0.00	0.00	2.00	-2.00	0.00
Base of Fox Hills									
5,200.00	19.05	0.00	4,864.73	1,707.76	0.00	0.00	2.00	-2.00	0.00
5,298.12	17.09	0.00	4,958.00	1,738.20	0.00	0.00	2.00	-2.00	0.00
Shannon									
5,300.00	17.05	0.00	4,959.80	1,738.75	0.00	0.00	2.00	-2.00	0.00
5,400.00	15.05	0.00	5,055.90	1,766.41	0.00	0.00	2.00	-2.00	0.00
5,500.00	13.05	0.00	5,152.90	1,790.69	0.00	0.00	2.00	-2.00	0.00
5,600.00	11.05	0.00	5,250.69	1,811.57	0.00	0.00	2.00	-2.00	0.00
5,700.00	9.05	0.00	5,349.15	1,829.03	0.00	0.00	2.00	-2.00	0.00
5,800.00	7.05	0.00	5,448.16	1,843.04	0.00	0.00	2.00	-2.00	0.00
5,900.00	5.05	0.00	5,547.59	1,853.59	0.00	0.00	2.00	-2.00	0.00
6,000.00	3.05	0.00	5,647.34	1,860.66	0.00	0.00	2.00	-2.00	0.00
6,100.00	1.05	0.00	5,747.27	1,864.24	0.00	0.00	2.00	-2.00	0.00
6,152.73	0.00	0.00	5,800.00	1,864.73	0.00	0.00	2.00	-2.00	0.00
Start 570.41 hold at 6152.73 MD									
6,200.00	0.00	0.00	5,847.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	5,947.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,328.73	0.00	0.00	5,976.00	1,864.73	0.00	0.00	0.00	0.00	0.00
Lower Pierre									
6,400.00	0.00	0.00	6,047.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,147.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,247.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,347.27	1,864.73	0.00	0.00	0.00	0.00	0.00
6,723.14	0.00	0.00	6,370.41	1,864.73	0.00	0.00	0.00	0.00	0.00
Start DLS 9.00 TFO 90.00									
6,800.00	6.92	90.00	6,447.08	1,864.73	4.63	4.63	9.00	9.00	0.00
6,900.00	15.92	90.00	6,545.00	1,864.73	24.41	24.41	9.00	9.00	0.00
7,000.00	24.92	90.00	6,638.62	1,864.73	59.26	59.26	9.00	9.00	0.00
7,100.00	33.92	90.00	6,725.64	1,864.73	108.32	108.32	9.00	9.00	0.00
7,200.00	42.92	90.00	6,803.91	1,864.73	170.40	170.40	9.00	9.00	0.00
7,300.00	51.92	90.00	6,871.50	1,864.73	243.95	243.95	9.00	9.00	0.00
7,357.72	57.11	90.00	6,905.00	1,864.73	290.93	290.93	9.00	9.00	0.00
Sharon Springs									
7,400.00	60.92	90.00	6,926.76	1,864.73	327.17	327.17	9.00	9.00	0.00
7,426.15	63.27	90.00	6,939.00	1,864.73	350.28	350.28	9.00	9.00	0.00
Nio A Chalk									
7,476.91	67.84	90.00	6,960.00	1,864.73	396.48	396.48	9.00	9.00	0.00
Nio A Marl									
7,500.00	69.92	90.00	6,968.32	1,864.73	418.02	418.02	9.00	9.00	0.00
7,600.00	78.92	90.00	6,995.16	1,864.73	514.24	514.24	9.00	9.00	0.00
7,700.00	87.92	90.00	7,006.61	1,864.73	613.48	613.48	9.00	9.00	0.00
7,729.79	90.60	90.00	7,007.00	1,864.73	643.26	643.26	9.00	9.00	0.00

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Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	Turn Rate (°/100ft)	
Start 7185.14 hold at 7729.79 MD										
7,800.00	90.60	90.00	7,006.26	1,864.73	713.47	713.47	0.00	0.00	0.00	
7,900.00	90.60	90.00	7,005.22	1,864.73	813.47	813.47	0.00	0.00	0.00	
8,000.00	90.60	90.00	7,004.17	1,864.73	913.46	913.46	0.00	0.00	0.00	
8,100.00	90.60	90.00	7,003.13	1,864.73	1,013.45	1,013.45	0.00	0.00	0.00	
8,200.00	90.60	90.00	7,002.09	1,864.73	1,113.45	1,113.45	0.00	0.00	0.00	
8,300.00	90.60	90.00	7,001.04	1,864.73	1,213.44	1,213.44	0.00	0.00	0.00	
8,400.00	90.60	90.00	7,000.00	1,864.73	1,313.44	1,313.44	0.00	0.00	0.00	
8,500.00	90.60	90.00	6,998.96	1,864.73	1,413.43	1,413.43	0.00	0.00	0.00	
8,600.00	90.60	90.00	6,997.91	1,864.73	1,513.43	1,513.43	0.00	0.00	0.00	
8,700.00	90.60	90.00	6,996.87	1,864.73	1,613.42	1,613.42	0.00	0.00	0.00	
8,800.00	90.60	90.00	6,995.82	1,864.73	1,713.42	1,713.42	0.00	0.00	0.00	
8,900.00	90.60	90.00	6,994.78	1,864.73	1,813.41	1,813.41	0.00	0.00	0.00	
9,000.00	90.60	90.00	6,993.74	1,864.73	1,913.41	1,913.41	0.00	0.00	0.00	
9,100.00	90.60	90.00	6,992.69	1,864.73	2,013.40	2,013.40	0.00	0.00	0.00	
9,200.00	90.60	90.00	6,991.65	1,864.73	2,113.39	2,113.39	0.00	0.00	0.00	
9,300.00	90.60	90.00	6,990.61	1,864.73	2,213.39	2,213.39	0.00	0.00	0.00	
9,400.00	90.60	90.00	6,989.56	1,864.73	2,313.38	2,313.38	0.00	0.00	0.00	
9,500.00	90.60	90.00	6,988.52	1,864.73	2,413.38	2,413.38	0.00	0.00	0.00	
9,600.00	90.60	90.00	6,987.47	1,864.73	2,513.37	2,513.37	0.00	0.00	0.00	
9,700.00	90.60	90.00	6,986.43	1,864.73	2,613.37	2,613.37	0.00	0.00	0.00	
9,800.00	90.60	90.00	6,985.39	1,864.73	2,713.36	2,713.36	0.00	0.00	0.00	
9,900.00	90.60	90.00	6,984.34	1,864.73	2,813.36	2,813.36	0.00	0.00	0.00	
10,000.00	90.60	90.00	6,983.30	1,864.73	2,913.35	2,913.35	0.00	0.00	0.00	
10,100.00	90.60	90.00	6,982.26	1,864.73	3,013.35	3,013.35	0.00	0.00	0.00	
10,200.00	90.60	90.00	6,981.21	1,864.73	3,113.34	3,113.34	0.00	0.00	0.00	
10,300.00	90.60	90.00	6,980.17	1,864.73	3,213.34	3,213.34	0.00	0.00	0.00	
10,400.00	90.60	90.00	6,979.12	1,864.73	3,313.33	3,313.33	0.00	0.00	0.00	
10,500.00	90.60	90.00	6,978.08	1,864.73	3,413.32	3,413.32	0.00	0.00	0.00	
10,600.00	90.60	90.00	6,977.04	1,864.73	3,513.32	3,513.32	0.00	0.00	0.00	
10,700.00	90.60	90.00	6,975.99	1,864.73	3,613.31	3,613.31	0.00	0.00	0.00	
10,800.00	90.60	90.00	6,974.95	1,864.73	3,713.31	3,713.31	0.00	0.00	0.00	
10,900.00	90.60	90.00	6,973.91	1,864.73	3,813.30	3,813.30	0.00	0.00	0.00	
11,000.00	90.60	90.00	6,972.86	1,864.73	3,913.30	3,913.30	0.00	0.00	0.00	
11,100.00	90.60	90.00	6,971.82	1,864.73	4,013.29	4,013.29	0.00	0.00	0.00	
11,200.00	90.60	90.00	6,970.77	1,864.73	4,113.29	4,113.29	0.00	0.00	0.00	
11,300.00	90.60	90.00	6,969.73	1,864.73	4,213.28	4,213.28	0.00	0.00	0.00	
11,400.00	90.60	90.00	6,968.69	1,864.73	4,313.28	4,313.28	0.00	0.00	0.00	
11,500.00	90.60	90.00	6,967.64	1,864.73	4,413.27	4,413.27	0.00	0.00	0.00	
11,600.00	90.60	90.00	6,966.60	1,864.73	4,513.26	4,513.26	0.00	0.00	0.00	
11,700.00	90.60	90.00	6,965.56	1,864.73	4,613.26	4,613.26	0.00	0.00	0.00	
11,800.00	90.60	90.00	6,964.51	1,864.73	4,713.25	4,713.25	0.00	0.00	0.00	
11,900.00	90.60	90.00	6,963.47	1,864.73	4,813.25	4,813.25	0.00	0.00	0.00	
12,000.00	90.60	90.00	6,962.42	1,864.73	4,913.24	4,913.24	0.00	0.00	0.00	
12,100.00	90.60	90.00	6,961.38	1,864.73	5,013.24	5,013.24	0.00	0.00	0.00	
12,200.00	90.60	90.00	6,960.34	1,864.73	5,113.23	5,113.23	0.00	0.00	0.00	
12,300.00	90.60	90.00	6,959.29	1,864.73	5,213.23	5,213.23	0.00	0.00	0.00	
12,400.00	90.60	90.00	6,958.25	1,864.73	5,313.22	5,313.22	0.00	0.00	0.00	
12,500.00	90.60	90.00	6,957.21	1,864.73	5,413.22	5,413.22	0.00	0.00	0.00	
12,600.00	90.60	90.00	6,956.16	1,864.73	5,513.21	5,513.21	0.00	0.00	0.00	
12,700.00	90.60	90.00	6,955.12	1,864.73	5,613.20	5,613.20	0.00	0.00	0.00	
12,800.00	90.60	90.00	6,954.07	1,864.73	5,713.20	5,713.20	0.00	0.00	0.00	
12,900.00	90.60	90.00	6,953.03	1,864.73	5,813.19	5,813.19	0.00	0.00	0.00	
13,000.00	90.60	90.00	6,951.99	1,864.73	5,913.19	5,913.19	0.00	0.00	0.00	

Database:	Casper District	Local Co-ordinate Reference:	Well Fagerberg 6N-7C-M
Company:	Synergy Resources Corp.	TVD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Project:	Weld County, CO NAD 83	MD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Site:	SRC Fagerberg 33-12 Pad	North Reference:	True
Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	Turn Rate (°/100ft)
13,100.00	90.60	90.00	6,950.94	1,864.73	6,013.18	6,013.18	0.00	0.00	0.00
13,200.00	90.60	90.00	6,949.90	1,864.73	6,113.18	6,113.18	0.00	0.00	0.00
13,300.00	90.60	90.00	6,948.86	1,864.73	6,213.17	6,213.17	0.00	0.00	0.00
13,400.00	90.60	90.00	6,947.81	1,864.73	6,313.17	6,313.17	0.00	0.00	0.00
13,500.00	90.60	90.00	6,946.77	1,864.73	6,413.16	6,413.16	0.00	0.00	0.00
13,600.00	90.60	90.00	6,945.72	1,864.73	6,513.16	6,513.16	0.00	0.00	0.00
13,700.00	90.60	90.00	6,944.68	1,864.73	6,613.15	6,613.15	0.00	0.00	0.00
13,800.00	90.60	90.00	6,943.64	1,864.73	6,713.14	6,713.14	0.00	0.00	0.00
13,900.00	90.60	90.00	6,942.59	1,864.73	6,813.14	6,813.14	0.00	0.00	0.00
14,000.00	90.60	90.00	6,941.55	1,864.73	6,913.13	6,913.13	0.00	0.00	0.00
14,100.00	90.60	90.00	6,940.51	1,864.73	7,013.13	7,013.13	0.00	0.00	0.00
14,200.00	90.60	90.00	6,939.46	1,864.73	7,113.12	7,113.12	0.00	0.00	0.00
14,300.00	90.60	90.00	6,938.42	1,864.73	7,213.12	7,213.12	0.00	0.00	0.00
14,400.00	90.60	90.00	6,937.37	1,864.73	7,313.11	7,313.11	0.00	0.00	0.00
14,500.00	90.60	90.00	6,936.33	1,864.73	7,413.11	7,413.11	0.00	0.00	0.00
14,579.97	90.60	90.00	6,935.50	1,864.73	7,493.07	7,493.07	0.00	0.00	0.00
6N-7C-M(2460 FNL2422 FWL)BHL									
14,600.00	90.60	90.00	6,935.29	1,864.73	7,513.10	7,513.10	0.00	0.00	0.00
14,700.00	90.60	90.00	6,934.24	1,864.73	7,613.10	7,613.10	0.00	0.00	0.00
14,800.00	90.60	90.00	6,933.20	1,864.73	7,713.09	7,713.09	0.00	0.00	0.00
14,900.00	90.60	90.00	6,932.16	1,864.73	7,813.08	7,813.08	0.00	0.00	0.00
14,914.93	90.60	90.00	6,932.00	1,864.73	7,828.02	7,828.02	0.00	0.00	0.00
TD at 14914.93 - 6N-7C-M(2036 FNL 2527 FEL)PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
6N-7C-M(2036 FNL 252	0.00	0.00	6,932.00	1,864.73	7,828.02	1,427,560.16	3,220,801.43	40.5043400	-104.7059730
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,755.70	1,700.00	9 5/8"	9.625	13.500	

Database:	Casper District	Local Co-ordinate Reference:	Well Fagerberg 6N-7C-M
Company:	Synergy Resources Corp.	TVD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Project:	Weld County, CO NAD 83	MD Reference:	GL 4800 & KB 20 @ 4820.00ft (PD 462)
Site:	SRC Fagerberg 33-12 Pad	North Reference:	True
Well:	Fagerberg 6N-7C-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,003.10	3,763.00	Parkman				
4,575.03	4,288.00	Sussex				
5,152.54	4,820.00	Base of Fox Hills				
5,298.12	4,958.00	Shannon				
6,328.73	5,976.00	Lower Pierre				
7,357.72	6,905.00	Sharon Springs				
7,426.15	6,939.00	Nio A Chalk				
7,476.91	6,960.00	Nio A Marl				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
300.00	300.00	0.00	0.00	Start Build 2.00	
1,468.60	1,436.46	235.06	0.00	Start 3515.54 hold at 1468.60 MD	
4,984.13	4,663.54	1,629.67	0.00	Start Drop -2.00	
6,152.73	5,800.00	1,864.73	0.00	Start 570.41 hold at 6152.73 MD	
6,723.14	6,370.41	1,864.73	0.00	Start DLS 9.00 TFO 90.00	
7,729.79	7,007.00	1,864.73	643.26	Start 7185.14 hold at 7729.79 MD	
14,914.93	6,932.00	1,864.73	7,828.02	TD at 14914.93	