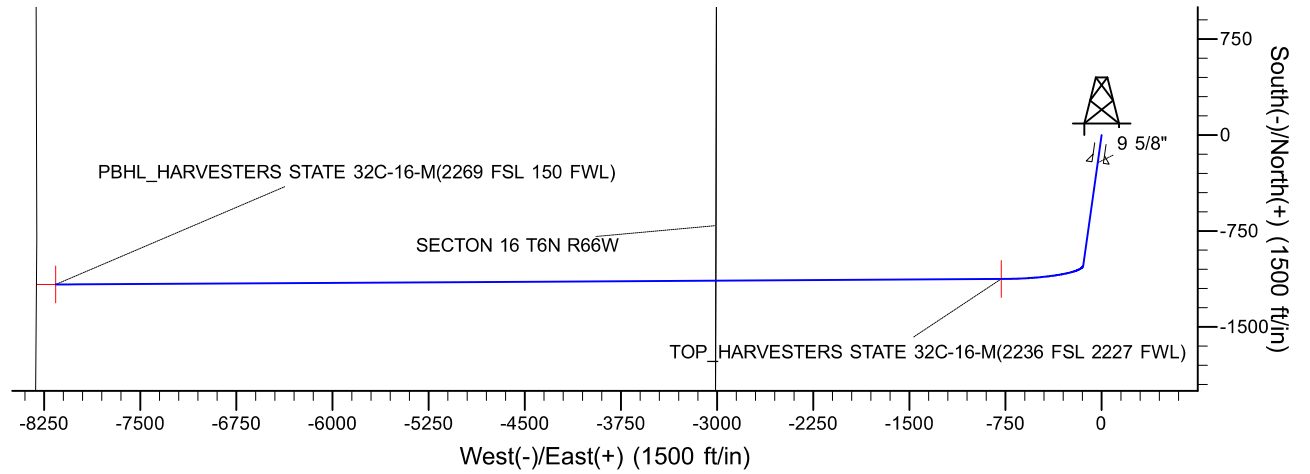
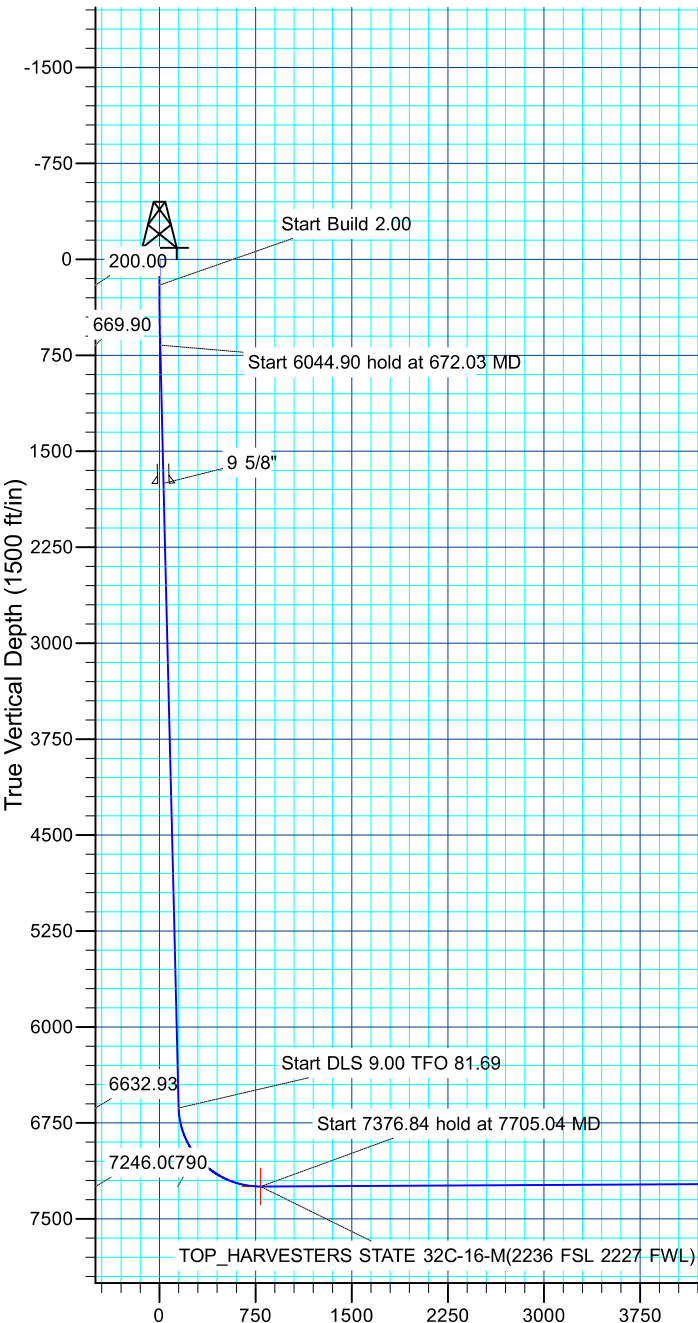
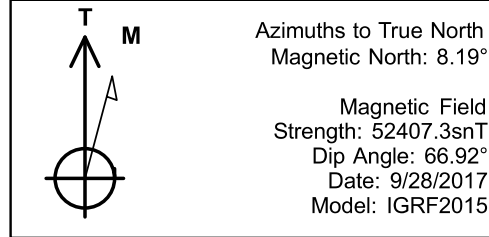




Project: SECTION 15, T6N, R66W
Site: HARVESTERS STATE 7-15 PAD
Well: HARVESTERS STATE 32C-16-M
Wellbore: OH
Design: PLAN #1
Lat: 40.4903520
Long: -104.7625150



DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	7207.00	-1168.43	-8159.89	1421092.40	3196971.22	40.4871410	-104.7918510	Point
- plan hits target center								
TOP	7246.00	-1125.32	-783.28	1421196.86	3204347.21	40.4872630	-104.7653310	Point
- plan hits target center								

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	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	
672.03	9.44	188.04	669.90	-38.42	-5.43	2.00	188.04	5.65	
6716.93	9.44	188.04	6632.93	-1020.19	-144.12	0.00	0.00	150.08	
7705.04	90.30	269.67	7246.00	-1125.32	-783.28	9.00	81.69	789.84	
15081.89	90.30	269.67	7207.00	-1168.43	-8159.89	0.00	0.00	8166.58	PBHL

CASING DETAILS				PROJECT DETAILS: SECTION 15, T6N, R66W	
TVD	MD	Name	Size	Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Colorado Northern Zone Colorado Northern Zone System Datum: Mean Sea Level	
1750.00	1766.96	9 5/8"	9.625		

Vertical Section at 269.67° (1500 ft/in)



SRC ENERGY

**SECTION 15, T6N, R66W
HARVESTERS STATE 7-15 PAD
HARVESTERS STATE 32C-16-M**

OH

Plan: PLAN #1

Standard Planning Report

02 October, 2017





Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4820.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4820.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project	SECTION 15, T6N, R66W		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	HARVESTERS STATE 7-15 PAD			
Site Position:		Northing:	1,422,648.53 usft	Latitude: 40.4912300
From:	Lat/Long	Easting:	3,205,120.94 usft	Longitude: -104.7625060
Position Uncertainty:	3.28 ft	Slot Radius:	13.200 in	Grid Convergence: 0.48 °

Well	HARVESTERS STATE 32C-16-M, 1913' FNL & 2335' FEL			
Well Position	+N/-S	-319.87 ft	Northing:	1,422,328.65 usft
	+E/-W	-2.50 ft	Easting:	3,205,121.10 usft
Position Uncertainty		3.28 ft	Wellhead Elevation:	Latitude: 40.4903520
				Longitude: -104.7625150
				Ground Level: 4,800.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/28/2017	8.19	66.92	52,407

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	269.67

Plan Survey Tool Program	Date	10/2/2017		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,081.64	PLAN #1 (OH)	MWD
				OWSG MWD - Standard

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
672.03	9.44	188.04	669.90	-38.42	-5.43	2.00	2.00	0.00	188.04	
6,716.93	9.44	188.04	6,632.93	-1,020.19	-144.12	0.00	0.00	0.00	0.00	
7,705.04	90.30	269.67	7,246.00	-1,125.32	-783.28	9.00	8.18	8.26	81.69	
15,081.89	90.30	269.67	7,207.00	-1,168.43	-8,159.89	0.00	0.00	0.00	0.00	PBHL_HARVESTERS

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4820.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4820.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M	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)	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
Start Build 2.00									
300.00	2.00	188.04	299.98	-1.73	-0.24	0.25	2.00	2.00	0.00
400.00	4.00	188.04	399.84	-6.91	-0.98	1.02	2.00	2.00	0.00
500.00	6.00	188.04	499.45	-15.54	-2.20	2.29	2.00	2.00	0.00
600.00	8.00	188.04	598.70	-27.61	-3.90	4.06	2.00	2.00	0.00
672.03	9.44	188.04	669.90	-38.42	-5.43	5.65	2.00	2.00	0.00
Start 6044.90 hold at 672.03 MD									
700.00	9.44	188.04	697.49	-42.96	-6.07	6.32	0.00	0.00	0.00
800.00	9.44	188.04	796.13	-59.20	-8.36	8.71	0.00	0.00	0.00
900.00	9.44	188.04	894.78	-75.44	-10.66	11.10	0.00	0.00	0.00
1,000.00	9.44	188.04	993.43	-91.69	-12.95	13.49	0.00	0.00	0.00
1,100.00	9.44	188.04	1,092.07	-107.93	-15.25	15.88	0.00	0.00	0.00
1,200.00	9.44	188.04	1,190.72	-124.17	-17.54	18.27	0.00	0.00	0.00
1,300.00	9.44	188.04	1,289.36	-140.41	-19.84	20.66	0.00	0.00	0.00
1,400.00	9.44	188.04	1,388.01	-156.65	-22.13	23.05	0.00	0.00	0.00
1,500.00	9.44	188.04	1,486.65	-172.89	-24.42	25.43	0.00	0.00	0.00
1,600.00	9.44	188.04	1,585.30	-189.13	-26.72	27.82	0.00	0.00	0.00
1,700.00	9.44	188.04	1,683.94	-205.37	-29.01	30.21	0.00	0.00	0.00
1,766.96	9.44	188.04	1,750.00	-216.25	-30.55	31.81	0.00	0.00	0.00
9 5/8"									
1,800.00	9.44	188.04	1,782.59	-221.61	-31.31	32.60	0.00	0.00	0.00
1,900.00	9.44	188.04	1,881.24	-237.86	-33.60	34.99	0.00	0.00	0.00
2,000.00	9.44	188.04	1,979.88	-254.10	-35.90	37.38	0.00	0.00	0.00
2,100.00	9.44	188.04	2,078.53	-270.34	-38.19	39.77	0.00	0.00	0.00
2,200.00	9.44	188.04	2,177.17	-286.58	-40.49	42.16	0.00	0.00	0.00
2,300.00	9.44	188.04	2,275.82	-302.82	-42.78	44.55	0.00	0.00	0.00
2,400.00	9.44	188.04	2,374.46	-319.06	-45.07	46.94	0.00	0.00	0.00
2,500.00	9.44	188.04	2,473.11	-335.30	-47.37	49.33	0.00	0.00	0.00
2,600.00	9.44	188.04	2,571.76	-351.54	-49.66	51.72	0.00	0.00	0.00
2,700.00	9.44	188.04	2,670.40	-367.79	-51.96	54.11	0.00	0.00	0.00
2,800.00	9.44	188.04	2,769.05	-384.03	-54.25	56.49	0.00	0.00	0.00
2,900.00	9.44	188.04	2,867.69	-400.27	-56.55	58.88	0.00	0.00	0.00
3,000.00	9.44	188.04	2,966.34	-416.51	-58.84	61.27	0.00	0.00	0.00
3,100.00	9.44	188.04	3,064.98	-432.75	-61.14	63.66	0.00	0.00	0.00
3,200.00	9.44	188.04	3,163.63	-448.99	-63.43	66.05	0.00	0.00	0.00
3,300.00	9.44	188.04	3,262.27	-465.23	-65.72	68.44	0.00	0.00	0.00
3,400.00	9.44	188.04	3,360.92	-481.47	-68.02	70.83	0.00	0.00	0.00
3,500.00	9.44	188.04	3,459.57	-497.72	-70.31	73.22	0.00	0.00	0.00
3,600.00	9.44	188.04	3,558.21	-513.96	-72.61	75.61	0.00	0.00	0.00
3,700.00	9.44	188.04	3,656.86	-530.20	-74.90	78.00	0.00	0.00	0.00
3,800.00	9.44	188.04	3,755.50	-546.44	-77.20	80.39	0.00	0.00	0.00
3,900.00	9.44	188.04	3,854.15	-562.68	-79.49	82.78	0.00	0.00	0.00
4,000.00	9.44	188.04	3,952.79	-578.92	-81.78	85.17	0.00	0.00	0.00
4,100.00	9.44	188.04	4,051.44	-595.16	-84.08	87.56	0.00	0.00	0.00
4,200.00	9.44	188.04	4,150.08	-611.40	-86.37	89.94	0.00	0.00	0.00
4,300.00	9.44	188.04	4,248.73	-627.65	-88.67	92.33	0.00	0.00	0.00
4,400.00	9.44	188.04	4,347.38	-643.89	-90.96	94.72	0.00	0.00	0.00
4,500.00	9.44	188.04	4,446.02	-660.13	-93.26	97.11	0.00	0.00	0.00
4,600.00	9.44	188.04	4,544.67	-676.37	-95.55	99.50	0.00	0.00	0.00
4,700.00	9.44	188.04	4,643.31	-692.61	-97.85	101.89	0.00	0.00	0.00



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4820.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4820.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M	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)	Turn Rate (°/100ft)
4,800.00	9.44	188.04	4,741.96	-708.85	-100.14	104.28	0.00	0.00	0.00
4,900.00	9.44	188.04	4,840.60	-725.09	-102.43	106.67	0.00	0.00	0.00
5,000.00	9.44	188.04	4,939.25	-741.33	-104.73	109.06	0.00	0.00	0.00
5,100.00	9.44	188.04	5,037.90	-757.58	-107.02	111.45	0.00	0.00	0.00
5,200.00	9.44	188.04	5,136.54	-773.82	-109.32	113.84	0.00	0.00	0.00
5,300.00	9.44	188.04	5,235.19	-790.06	-111.61	116.23	0.00	0.00	0.00
5,400.00	9.44	188.04	5,333.83	-806.30	-113.91	118.62	0.00	0.00	0.00
5,500.00	9.44	188.04	5,432.48	-822.54	-116.20	121.01	0.00	0.00	0.00
5,600.00	9.44	188.04	5,531.12	-838.78	-118.50	123.39	0.00	0.00	0.00
5,700.00	9.44	188.04	5,629.77	-855.02	-120.79	125.78	0.00	0.00	0.00
5,800.00	9.44	188.04	5,728.41	-871.26	-123.08	128.17	0.00	0.00	0.00
5,900.00	9.44	188.04	5,827.06	-887.51	-125.38	130.56	0.00	0.00	0.00
6,000.00	9.44	188.04	5,925.71	-903.75	-127.67	132.95	0.00	0.00	0.00
6,100.00	9.44	188.04	6,024.35	-919.99	-129.97	135.34	0.00	0.00	0.00
6,200.00	9.44	188.04	6,123.00	-936.23	-132.26	137.73	0.00	0.00	0.00
6,300.00	9.44	188.04	6,221.64	-952.47	-134.56	140.12	0.00	0.00	0.00
6,400.00	9.44	188.04	6,320.29	-968.71	-136.85	142.51	0.00	0.00	0.00
6,500.00	9.44	188.04	6,418.93	-984.95	-139.14	144.90	0.00	0.00	0.00
6,600.00	9.44	188.04	6,517.58	-1,001.19	-141.44	147.29	0.00	0.00	0.00
6,700.00	9.44	188.04	6,616.23	-1,017.44	-143.73	149.68	0.00	0.00	0.00
6,716.93	9.44	188.04	6,632.93	-1,020.19	-144.12	150.08	0.00	0.00	0.00
Start DLS 9.00 TFO 81.69									
6,800.00	12.84	223.44	6,714.51	-1,033.65	-151.43	157.47	9.00	4.10	42.61
6,900.00	20.08	242.87	6,810.42	-1,049.58	-174.40	180.53	9.00	7.24	19.43
7,000.00	28.32	251.84	6,901.58	-1,064.83	-212.29	218.51	9.00	8.24	8.97
7,100.00	36.89	256.96	6,985.76	-1,079.03	-264.17	270.47	9.00	8.57	5.12
7,200.00	45.61	260.35	7,060.88	-1,091.82	-328.77	335.14	9.00	8.72	3.39
7,300.00	54.41	262.85	7,125.09	-1,102.89	-404.49	410.93	9.00	8.79	2.50
7,400.00	63.24	264.86	7,176.81	-1,111.97	-489.48	495.97	9.00	8.84	2.00
7,500.00	72.10	266.57	7,214.77	-1,118.83	-581.63	588.16	9.00	8.86	1.71
7,600.00	80.98	268.12	7,238.02	-1,123.30	-678.68	685.23	9.00	8.87	1.55
7,700.00	89.86	269.59	7,246.01	-1,125.29	-778.23	784.80	9.00	8.88	1.47
7,705.04	90.30	269.67	7,246.00	-1,125.32	-783.28	789.84	9.00	8.88	1.46
Start 7376.84 hold at 7705.04 MD - TOP HARVESTERS STATE 32C-16-M(2236 FSL 2227 FWL)									
7,800.00	90.30	269.67	7,245.50	-1,125.87	-878.23	884.80	0.00	0.00	0.00
7,900.00	90.30	269.67	7,244.97	-1,126.46	-978.23	984.79	0.00	0.00	0.00
8,000.00	90.30	269.67	7,244.44	-1,127.04	-1,078.23	1,084.79	0.00	0.00	0.00
8,100.00	90.30	269.67	7,243.91	-1,127.63	-1,178.22	1,184.79	0.00	0.00	0.00
8,200.00	90.30	269.67	7,243.39	-1,128.21	-1,278.22	1,284.79	0.00	0.00	0.00
8,300.00	90.30	269.67	7,242.86	-1,128.80	-1,378.22	1,384.79	0.00	0.00	0.00
8,400.00	90.30	269.67	7,242.33	-1,129.38	-1,478.21	1,484.79	0.00	0.00	0.00
8,500.00	90.30	269.67	7,241.80	-1,129.96	-1,578.21	1,584.79	0.00	0.00	0.00
8,600.00	90.30	269.67	7,241.27	-1,130.55	-1,678.21	1,684.78	0.00	0.00	0.00
8,700.00	90.30	269.67	7,240.74	-1,131.13	-1,778.20	1,784.78	0.00	0.00	0.00
8,800.00	90.30	269.67	7,240.21	-1,131.72	-1,878.20	1,884.78	0.00	0.00	0.00
8,900.00	90.30	269.67	7,239.68	-1,132.30	-1,978.20	1,984.78	0.00	0.00	0.00
9,000.00	90.30	269.67	7,239.16	-1,132.89	-2,078.19	2,084.78	0.00	0.00	0.00
9,100.00	90.30	269.67	7,238.63	-1,133.47	-2,178.19	2,184.78	0.00	0.00	0.00
9,200.00	90.30	269.67	7,238.10	-1,134.05	-2,278.19	2,284.78	0.00	0.00	0.00
9,300.00	90.30	269.67	7,237.57	-1,134.64	-2,378.19	2,384.77	0.00	0.00	0.00
9,400.00	90.30	269.67	7,237.04	-1,135.22	-2,478.18	2,484.77	0.00	0.00	0.00
9,500.00	90.30	269.67	7,236.51	-1,135.81	-2,578.18	2,584.77	0.00	0.00	0.00
9,600.00	90.30	269.67	7,235.98	-1,136.39	-2,678.18	2,684.77	0.00	0.00	0.00
9,700.00	90.30	269.67	7,235.45	-1,136.98	-2,778.17	2,784.77	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4820.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4820.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M	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)	Turn Rate (°/100ft)
9,800.00	90.30	269.67	7,234.93	-1,137.56	-2,878.17	2,884.77	0.00	0.00	0.00
9,900.00	90.30	269.67	7,234.40	-1,138.15	-2,978.17	2,984.77	0.00	0.00	0.00
10,000.00	90.30	269.67	7,233.87	-1,138.73	-3,078.16	3,084.76	0.00	0.00	0.00
10,100.00	90.30	269.67	7,233.34	-1,139.31	-3,178.16	3,184.76	0.00	0.00	0.00
10,200.00	90.30	269.67	7,232.81	-1,139.90	-3,278.16	3,284.76	0.00	0.00	0.00
10,300.00	90.30	269.67	7,232.28	-1,140.48	-3,378.15	3,384.76	0.00	0.00	0.00
10,400.00	90.30	269.67	7,231.75	-1,141.07	-3,478.15	3,484.76	0.00	0.00	0.00
10,500.00	90.30	269.67	7,231.23	-1,141.65	-3,578.15	3,584.76	0.00	0.00	0.00
10,600.00	90.30	269.67	7,230.70	-1,142.24	-3,678.14	3,684.76	0.00	0.00	0.00
10,700.00	90.30	269.67	7,230.17	-1,142.82	-3,778.14	3,784.76	0.00	0.00	0.00
10,800.00	90.30	269.67	7,229.64	-1,143.40	-3,878.14	3,884.75	0.00	0.00	0.00
10,900.00	90.30	269.67	7,229.11	-1,143.99	-3,978.14	3,984.75	0.00	0.00	0.00
11,000.00	90.30	269.67	7,228.58	-1,144.57	-4,078.13	4,084.75	0.00	0.00	0.00
11,100.00	90.30	269.67	7,228.05	-1,145.16	-4,178.13	4,184.75	0.00	0.00	0.00
11,200.00	90.30	269.67	7,227.52	-1,145.74	-4,278.13	4,284.75	0.00	0.00	0.00
11,300.00	90.30	269.67	7,227.00	-1,146.33	-4,378.12	4,384.75	0.00	0.00	0.00
11,400.00	90.30	269.67	7,226.47	-1,146.91	-4,478.12	4,484.75	0.00	0.00	0.00
11,500.00	90.30	269.67	7,225.94	-1,147.49	-4,578.12	4,584.74	0.00	0.00	0.00
11,600.00	90.30	269.67	7,225.41	-1,148.08	-4,678.11	4,684.74	0.00	0.00	0.00
11,700.00	90.30	269.67	7,224.88	-1,148.66	-4,778.11	4,784.74	0.00	0.00	0.00
11,800.00	90.30	269.67	7,224.35	-1,149.25	-4,878.11	4,884.74	0.00	0.00	0.00
11,900.00	90.30	269.67	7,223.82	-1,149.83	-4,978.10	4,984.74	0.00	0.00	0.00
12,000.00	90.30	269.67	7,223.29	-1,150.42	-5,078.10	5,084.74	0.00	0.00	0.00
12,100.00	90.30	269.67	7,222.77	-1,151.00	-5,178.10	5,184.74	0.00	0.00	0.00
12,200.00	90.30	269.67	7,222.24	-1,151.59	-5,278.10	5,284.73	0.00	0.00	0.00
12,300.00	90.30	269.67	7,221.71	-1,152.17	-5,378.09	5,384.73	0.00	0.00	0.00
12,400.00	90.30	269.67	7,221.18	-1,152.75	-5,478.09	5,484.73	0.00	0.00	0.00
12,500.00	90.30	269.67	7,220.65	-1,153.34	-5,578.09	5,584.73	0.00	0.00	0.00
12,600.00	90.30	269.67	7,220.12	-1,153.92	-5,678.08	5,684.73	0.00	0.00	0.00
12,700.00	90.30	269.67	7,219.59	-1,154.51	-5,778.08	5,784.73	0.00	0.00	0.00
12,800.00	90.30	269.67	7,219.06	-1,155.09	-5,878.08	5,884.73	0.00	0.00	0.00
12,900.00	90.30	269.67	7,218.54	-1,155.68	-5,978.07	5,984.72	0.00	0.00	0.00
13,000.00	90.30	269.67	7,218.01	-1,156.26	-6,078.07	6,084.72	0.00	0.00	0.00
13,100.00	90.30	269.67	7,217.48	-1,156.84	-6,178.07	6,184.72	0.00	0.00	0.00
13,200.00	90.30	269.67	7,216.95	-1,157.43	-6,278.06	6,284.72	0.00	0.00	0.00
13,300.00	90.30	269.67	7,216.42	-1,158.01	-6,378.06	6,384.72	0.00	0.00	0.00
13,400.00	90.30	269.67	7,215.89	-1,158.60	-6,478.06	6,484.72	0.00	0.00	0.00
13,500.00	90.30	269.67	7,215.36	-1,159.18	-6,578.05	6,584.72	0.00	0.00	0.00
13,600.00	90.30	269.67	7,214.84	-1,159.77	-6,678.05	6,684.71	0.00	0.00	0.00
13,700.00	90.30	269.67	7,214.31	-1,160.35	-6,778.05	6,784.71	0.00	0.00	0.00
13,800.00	90.30	269.67	7,213.78	-1,160.94	-6,878.05	6,884.71	0.00	0.00	0.00
13,900.00	90.30	269.67	7,213.25	-1,161.52	-6,978.04	6,984.71	0.00	0.00	0.00
14,000.00	90.30	269.67	7,212.72	-1,162.10	-7,078.04	7,084.71	0.00	0.00	0.00
14,100.00	90.30	269.67	7,212.19	-1,162.69	-7,178.04	7,184.71	0.00	0.00	0.00
14,200.00	90.30	269.67	7,211.66	-1,163.27	-7,278.03	7,284.71	0.00	0.00	0.00
14,300.00	90.30	269.67	7,211.13	-1,163.86	-7,378.03	7,384.70	0.00	0.00	0.00
14,400.00	90.30	269.67	7,210.61	-1,164.44	-7,478.03	7,484.70	0.00	0.00	0.00
14,500.00	90.30	269.67	7,210.08	-1,165.03	-7,578.02	7,584.70	0.00	0.00	0.00
14,600.00	90.30	269.67	7,209.55	-1,165.61	-7,678.02	7,684.70	0.00	0.00	0.00
14,700.00	90.30	269.67	7,209.02	-1,166.19	-7,778.02	7,784.70	0.00	0.00	0.00
14,800.00	90.30	269.67	7,208.49	-1,166.78	-7,878.01	7,884.70	0.00	0.00	0.00
14,900.00	90.30	269.67	7,207.96	-1,167.36	-7,978.01	7,984.70	0.00	0.00	0.00
15,000.00	90.30	269.67	7,207.43	-1,167.95	-8,078.01	8,084.70	0.00	0.00	0.00
15,081.89	90.30	269.67	7,207.00	-1,168.43	-8,159.89	8,166.58	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4820.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4820.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M	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)	Turn Rate (°/100ft)
TD at 15081.89 - PBHL_HARVESTERS STATE 32C-16-M(2269 FSL 150 FWL)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL_HARVESTERS S	0.00	0.00	7,207.00	-1,168.43	-8,159.89	1,421,092.40	3,196,971.22	40.4871410	-104.7918510
- plan hits target center									
- Point									
TOP_HARVESTERS ST	0.00	0.00	7,246.00	-1,125.32	-783.28	1,421,196.86	3,204,347.21	40.4872630	-104.7653310
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,766.96	1,750.00	9 5/8"	9.625	13.500	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.00	200.00	0.00	0.00	Start Build 2.00	
672.03	669.90	-38.42	-5.43	Start 6044.90 hold at 672.03 MD	
6,716.93	6,632.93	-1,020.19	-144.12	Start DLS 9.00 TFO 81.69	
7,705.04	7,246.00	-1,125.32	-783.28	Start 7376.84 hold at 7705.04 MD	
15,081.89	7,207.00	-1,168.43	-8,159.89	TD at 15081.89	