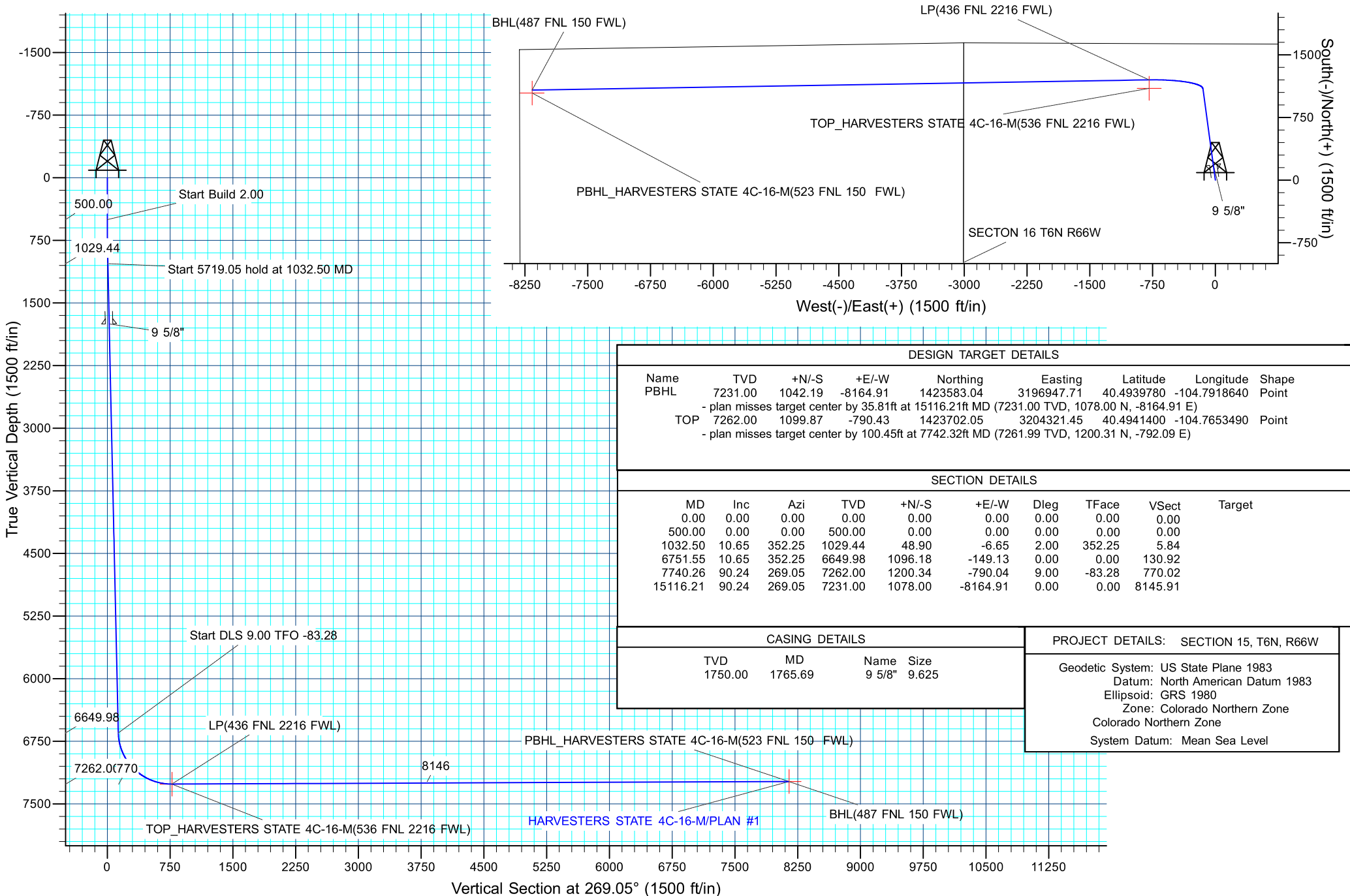
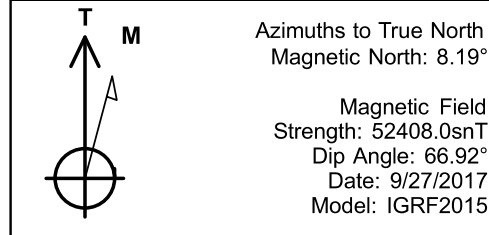




Project: SECTION 15, T6N, R66W
Site: HARVESTERS STATE 7-15 PAD
Well: HARVESTERS STATE 4C-16-M
Wellbore: OH
Design: PLAN #1
Lat: 40.4911209
Long: -104.7625070





SRC ENERGY

**SECTION 15, T6N, R66W
HARVESTERS STATE 7-15 PAD
HARVESTERS STATE 4C-16-M**

OH

Plan: PLAN #1

Standard Planning Report

03 October, 2017





Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 4C-16-
Company:	SRC ENERGY	TVD Reference:	M KB @ 4822.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4822.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 4C-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 4C-16-M, 1633' FNL & 2333' FEL			
Well Position	+N/-S	-39.72 ft	Northing:	1,422,608.81 usft
	+E/-W	-0.28 ft	Easting:	3,205,120.99 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Latitude: 40.4911210
				Longitude: -104.7625070
				Ground Level: 4,802.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/27/2017	8.19	66.92	52,408

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	269.05

Plan Survey Tool Program	Date	10/3/2017		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,116.21	PLAN #1 (OH)	MWD+IFR1
				OWSG MWD + IFR1

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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,032.50	10.65	352.25	1,029.44	48.90	-6.65	2.00	2.00	0.00	352.25	
6,751.56	10.65	352.25	6,649.98	1,096.18	-149.13	0.00	0.00	0.00	0.00	
7,740.26	90.24	269.05	7,262.00	1,200.34	-790.04	9.00	8.05	-8.42	-83.28	
15,116.21	90.24	269.05	7,231.00	1,078.00	-8,164.91	0.00	0.00	0.00	0.00	

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 4C-16-
Company:	SRC ENERGY	TVD Reference:	M KB @ 4822.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4822.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 4C-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
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
600.00	2.00	352.25	599.98	1.73	-0.24	0.21	2.00	2.00	0.00
700.00	4.00	352.25	699.84	6.91	-0.94	0.83	2.00	2.00	0.00
800.00	6.00	352.25	799.45	15.55	-2.12	1.86	2.00	2.00	0.00
900.00	8.00	352.25	898.70	27.63	-3.76	3.30	2.00	2.00	0.00
1,000.00	10.00	352.25	997.47	43.13	-5.87	5.15	2.00	2.00	0.00
1,032.50	10.65	352.25	1,029.44	48.90	-6.65	5.84	2.00	2.00	0.00
Start 5719.05 hold at 1032.50 MD									
1,100.00	10.65	352.25	1,095.78	61.26	-8.33	7.32	0.00	0.00	0.00
1,200.00	10.65	352.25	1,194.05	79.57	-10.82	9.50	0.00	0.00	0.00
1,300.00	10.65	352.25	1,292.33	97.88	-13.32	11.69	0.00	0.00	0.00
1,400.00	10.65	352.25	1,390.61	116.19	-15.81	13.88	0.00	0.00	0.00
1,500.00	10.65	352.25	1,488.89	134.51	-18.30	16.06	0.00	0.00	0.00
1,600.00	10.65	352.25	1,587.16	152.82	-20.79	18.25	0.00	0.00	0.00
1,700.00	10.65	352.25	1,685.44	171.13	-23.28	20.44	0.00	0.00	0.00
1,765.69	10.65	352.25	1,750.00	183.16	-24.92	21.88	0.00	0.00	0.00
9 5/8"									
1,800.00	10.65	352.25	1,783.72	189.44	-25.77	22.63	0.00	0.00	0.00
1,900.00	10.65	352.25	1,882.00	207.76	-28.26	24.81	0.00	0.00	0.00
2,000.00	10.65	352.25	1,980.27	226.07	-30.75	27.00	0.00	0.00	0.00
2,100.00	10.65	352.25	2,078.55	244.38	-33.25	29.19	0.00	0.00	0.00
2,200.00	10.65	352.25	2,176.83	262.69	-35.74	31.37	0.00	0.00	0.00
2,300.00	10.65	352.25	2,275.11	281.00	-38.23	33.56	0.00	0.00	0.00
2,400.00	10.65	352.25	2,373.38	299.32	-40.72	35.75	0.00	0.00	0.00
2,500.00	10.65	352.25	2,471.66	317.63	-43.21	37.94	0.00	0.00	0.00
2,600.00	10.65	352.25	2,569.94	335.94	-45.70	40.12	0.00	0.00	0.00
2,700.00	10.65	352.25	2,668.22	354.25	-48.19	42.31	0.00	0.00	0.00
2,800.00	10.65	352.25	2,766.49	372.57	-50.68	44.50	0.00	0.00	0.00
2,900.00	10.65	352.25	2,864.77	390.88	-53.18	46.68	0.00	0.00	0.00
3,000.00	10.65	352.25	2,963.05	409.19	-55.67	48.87	0.00	0.00	0.00
3,100.00	10.65	352.25	3,061.33	427.50	-58.16	51.06	0.00	0.00	0.00
3,200.00	10.65	352.25	3,159.60	445.81	-60.65	53.25	0.00	0.00	0.00
3,300.00	10.65	352.25	3,257.88	464.13	-63.14	55.43	0.00	0.00	0.00
3,400.00	10.65	352.25	3,356.16	482.44	-65.63	57.62	0.00	0.00	0.00
3,500.00	10.65	352.25	3,454.43	500.75	-68.12	59.81	0.00	0.00	0.00
3,600.00	10.65	352.25	3,552.71	519.06	-70.61	61.99	0.00	0.00	0.00
3,700.00	10.65	352.25	3,650.99	537.38	-73.10	64.18	0.00	0.00	0.00
3,800.00	10.65	352.25	3,749.27	555.69	-75.60	66.37	0.00	0.00	0.00
3,900.00	10.65	352.25	3,847.54	574.00	-78.09	68.56	0.00	0.00	0.00
4,000.00	10.65	352.25	3,945.82	592.31	-80.58	70.74	0.00	0.00	0.00
4,100.00	10.65	352.25	4,044.10	610.62	-83.07	72.93	0.00	0.00	0.00
4,200.00	10.65	352.25	4,142.38	628.94	-85.56	75.12	0.00	0.00	0.00
4,300.00	10.65	352.25	4,240.65	647.25	-88.05	77.30	0.00	0.00	0.00
4,400.00	10.65	352.25	4,338.93	665.56	-90.54	79.49	0.00	0.00	0.00
4,500.00	10.65	352.25	4,437.21	683.87	-93.03	81.68	0.00	0.00	0.00
4,600.00	10.65	352.25	4,535.49	702.19	-95.53	83.87	0.00	0.00	0.00
4,700.00	10.65	352.25	4,633.76	720.50	-98.02	86.05	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 4C-16-
Company:	SRC ENERGY	TVD Reference:	M KB @ 4822.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4822.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 4C-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	10.65	352.25	4,732.04	738.81	-100.51	88.24	0.00	0.00	0.00
4,900.00	10.65	352.25	4,830.32	757.12	-103.00	90.43	0.00	0.00	0.00
5,000.00	10.65	352.25	4,928.60	775.43	-105.49	92.61	0.00	0.00	0.00
5,100.00	10.65	352.25	5,026.87	793.75	-107.98	94.80	0.00	0.00	0.00
5,200.00	10.65	352.25	5,125.15	812.06	-110.47	96.99	0.00	0.00	0.00
5,300.00	10.65	352.25	5,223.43	830.37	-112.96	99.18	0.00	0.00	0.00
5,400.00	10.65	352.25	5,321.71	848.68	-115.46	101.36	0.00	0.00	0.00
5,500.00	10.65	352.25	5,419.98	867.00	-117.95	103.55	0.00	0.00	0.00
5,600.00	10.65	352.25	5,518.26	885.31	-120.44	105.74	0.00	0.00	0.00
5,700.00	10.65	352.25	5,616.54	903.62	-122.93	107.92	0.00	0.00	0.00
5,800.00	10.65	352.25	5,714.82	921.93	-125.42	110.11	0.00	0.00	0.00
5,900.00	10.65	352.25	5,813.09	940.24	-127.91	112.30	0.00	0.00	0.00
6,000.00	10.65	352.25	5,911.37	958.56	-130.40	114.49	0.00	0.00	0.00
6,100.00	10.65	352.25	6,009.65	976.87	-132.89	116.67	0.00	0.00	0.00
6,200.00	10.65	352.25	6,107.93	995.18	-135.39	118.86	0.00	0.00	0.00
6,300.00	10.65	352.25	6,206.20	1,013.49	-137.88	121.05	0.00	0.00	0.00
6,400.00	10.65	352.25	6,304.48	1,031.81	-140.37	123.23	0.00	0.00	0.00
6,500.00	10.65	352.25	6,402.76	1,050.12	-142.86	125.42	0.00	0.00	0.00
6,600.00	10.65	352.25	6,501.04	1,068.43	-145.35	127.61	0.00	0.00	0.00
6,700.00	10.65	352.25	6,599.31	1,086.74	-147.84	129.80	0.00	0.00	0.00
6,751.56	10.65	352.25	6,649.98	1,096.18	-149.13	130.92	0.00	0.00	0.00
Start DLS 9.00 TFO -83.28									
6,800.00	11.96	330.89	6,697.50	1,105.01	-152.17	133.82	9.00	2.71	-44.10
6,900.00	17.98	304.22	6,794.18	1,122.78	-170.01	151.36	9.00	6.02	-26.67
7,000.00	25.76	291.86	6,886.96	1,139.58	-203.00	184.07	9.00	7.78	-12.36
7,100.00	34.11	285.09	6,973.57	1,155.01	-250.34	231.15	9.00	8.36	-6.77
7,200.00	42.71	280.77	7,051.87	1,168.67	-310.85	291.43	9.00	8.59	-4.33
7,300.00	51.42	277.66	7,119.93	1,180.24	-383.05	363.42	9.00	8.71	-3.10
7,400.00	60.19	275.24	7,176.09	1,189.43	-465.16	445.37	9.00	8.77	-2.43
7,500.00	69.00	273.20	7,218.95	1,196.01	-555.15	535.24	9.00	8.81	-2.03
7,600.00	77.84	271.40	7,247.46	1,199.82	-650.82	630.83	9.00	8.83	-1.80
7,700.00	86.68	269.72	7,260.92	1,200.77	-749.80	729.78	9.00	8.84	-1.69
7,740.26	90.24	269.05	7,262.00	1,200.34	-790.04	770.02	9.00	8.85	-1.65
LP(436 FNL 2216 FWL)									
7,742.32	90.24	269.05	7,261.99	1,200.31	-792.10	772.08	0.00	0.00	0.00
TOP_HARVESTERS STATE 4C-16-M(536 FNL 2216 FWL)									
7,800.00	90.24	269.05	7,261.75	1,199.35	-849.77	829.76	0.00	0.00	0.00
7,900.00	90.24	269.05	7,261.33	1,197.69	-949.76	929.76	0.00	0.00	0.00
8,000.00	90.24	269.05	7,260.91	1,196.03	-1,049.74	1,029.76	0.00	0.00	0.00
8,100.00	90.24	269.05	7,260.49	1,194.37	-1,149.73	1,129.76	0.00	0.00	0.00
8,200.00	90.24	269.05	7,260.07	1,192.71	-1,249.71	1,229.76	0.00	0.00	0.00
8,300.00	90.24	269.05	7,259.65	1,191.06	-1,349.70	1,329.76	0.00	0.00	0.00
8,400.00	90.24	269.05	7,259.23	1,189.40	-1,449.68	1,429.75	0.00	0.00	0.00
8,500.00	90.24	269.05	7,258.81	1,187.74	-1,549.67	1,529.75	0.00	0.00	0.00
8,600.00	90.24	269.05	7,258.39	1,186.08	-1,649.65	1,629.75	0.00	0.00	0.00
8,700.00	90.24	269.05	7,257.97	1,184.42	-1,749.64	1,729.75	0.00	0.00	0.00
8,800.00	90.24	269.05	7,257.55	1,182.76	-1,849.62	1,829.75	0.00	0.00	0.00
8,900.00	90.24	269.05	7,257.13	1,181.10	-1,949.61	1,929.75	0.00	0.00	0.00
9,000.00	90.24	269.05	7,256.71	1,179.45	-2,049.59	2,029.75	0.00	0.00	0.00
9,100.00	90.24	269.05	7,256.29	1,177.79	-2,149.58	2,129.75	0.00	0.00	0.00
9,200.00	90.24	269.05	7,255.87	1,176.13	-2,249.56	2,229.75	0.00	0.00	0.00
9,300.00	90.24	269.05	7,255.45	1,174.47	-2,349.55	2,329.75	0.00	0.00	0.00
9,400.00	90.24	269.05	7,255.03	1,172.81	-2,449.54	2,429.75	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 4C-16-
Company:	SRC ENERGY	TVD Reference:	M KB @ 4822.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4822.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 4C-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)
9,500.00	90.24	269.05	7,254.61	1,171.15	-2,549.52	2,529.74	0.00	0.00	0.00
9,600.00	90.24	269.05	7,254.19	1,169.49	-2,649.51	2,629.74	0.00	0.00	0.00
9,700.00	90.24	269.05	7,253.77	1,167.83	-2,749.49	2,729.74	0.00	0.00	0.00
9,800.00	90.24	269.05	7,253.35	1,166.18	-2,849.48	2,829.74	0.00	0.00	0.00
9,900.00	90.24	269.05	7,252.92	1,164.52	-2,949.46	2,929.74	0.00	0.00	0.00
10,000.00	90.24	269.05	7,252.50	1,162.86	-3,049.45	3,029.74	0.00	0.00	0.00
10,100.00	90.24	269.05	7,252.08	1,161.20	-3,149.43	3,129.74	0.00	0.00	0.00
10,200.00	90.24	269.05	7,251.66	1,159.54	-3,249.42	3,229.74	0.00	0.00	0.00
10,300.00	90.24	269.05	7,251.24	1,157.88	-3,349.40	3,329.74	0.00	0.00	0.00
10,400.00	90.24	269.05	7,250.82	1,156.22	-3,449.39	3,429.74	0.00	0.00	0.00
10,500.00	90.24	269.05	7,250.40	1,154.57	-3,549.37	3,529.74	0.00	0.00	0.00
10,600.00	90.24	269.05	7,249.98	1,152.91	-3,649.36	3,629.73	0.00	0.00	0.00
10,700.00	90.24	269.05	7,249.56	1,151.25	-3,749.35	3,729.73	0.00	0.00	0.00
10,800.00	90.24	269.05	7,249.14	1,149.59	-3,849.33	3,829.73	0.00	0.00	0.00
10,900.00	90.24	269.05	7,248.72	1,147.93	-3,949.32	3,929.73	0.00	0.00	0.00
11,000.00	90.24	269.05	7,248.30	1,146.27	-4,049.30	4,029.73	0.00	0.00	0.00
11,100.00	90.24	269.05	7,247.88	1,144.61	-4,149.29	4,129.73	0.00	0.00	0.00
11,200.00	90.24	269.05	7,247.46	1,142.96	-4,249.27	4,229.73	0.00	0.00	0.00
11,300.00	90.24	269.05	7,247.04	1,141.30	-4,349.26	4,329.73	0.00	0.00	0.00
11,400.00	90.24	269.05	7,246.62	1,139.64	-4,449.24	4,429.73	0.00	0.00	0.00
11,500.00	90.24	269.05	7,246.20	1,137.98	-4,549.23	4,529.73	0.00	0.00	0.00
11,600.00	90.24	269.05	7,245.78	1,136.32	-4,649.21	4,629.73	0.00	0.00	0.00
11,700.00	90.24	269.05	7,245.36	1,134.66	-4,749.20	4,729.73	0.00	0.00	0.00
11,800.00	90.24	269.05	7,244.94	1,133.00	-4,849.18	4,829.72	0.00	0.00	0.00
11,900.00	90.24	269.05	7,244.52	1,131.34	-4,949.17	4,929.72	0.00	0.00	0.00
12,000.00	90.24	269.05	7,244.10	1,129.69	-5,049.16	5,029.72	0.00	0.00	0.00
12,100.00	90.24	269.05	7,243.68	1,128.03	-5,149.14	5,129.72	0.00	0.00	0.00
12,200.00	90.24	269.05	7,243.26	1,126.37	-5,249.13	5,229.72	0.00	0.00	0.00
12,300.00	90.24	269.05	7,242.84	1,124.71	-5,349.11	5,329.72	0.00	0.00	0.00
12,400.00	90.24	269.05	7,242.42	1,123.05	-5,449.10	5,429.72	0.00	0.00	0.00
12,500.00	90.24	269.05	7,242.00	1,121.39	-5,549.08	5,529.72	0.00	0.00	0.00
12,600.00	90.24	269.05	7,241.58	1,119.73	-5,649.07	5,629.72	0.00	0.00	0.00
12,700.00	90.24	269.05	7,241.16	1,118.08	-5,749.05	5,729.72	0.00	0.00	0.00
12,800.00	90.24	269.05	7,240.74	1,116.42	-5,849.04	5,829.72	0.00	0.00	0.00
12,900.00	90.24	269.05	7,240.32	1,114.76	-5,949.02	5,929.71	0.00	0.00	0.00
13,000.00	90.24	269.05	7,239.89	1,113.10	-6,049.01	6,029.71	0.00	0.00	0.00
13,100.00	90.24	269.05	7,239.47	1,111.44	-6,148.99	6,129.71	0.00	0.00	0.00
13,200.00	90.24	269.05	7,239.05	1,109.78	-6,248.98	6,229.71	0.00	0.00	0.00
13,300.00	90.24	269.05	7,238.63	1,108.12	-6,348.96	6,329.71	0.00	0.00	0.00
13,400.00	90.24	269.05	7,238.21	1,106.47	-6,448.95	6,429.71	0.00	0.00	0.00
13,500.00	90.24	269.05	7,237.79	1,104.81	-6,548.94	6,529.71	0.00	0.00	0.00
13,600.00	90.24	269.05	7,237.37	1,103.15	-6,648.92	6,629.71	0.00	0.00	0.00
13,700.00	90.24	269.05	7,236.95	1,101.49	-6,748.91	6,729.71	0.00	0.00	0.00
13,800.00	90.24	269.05	7,236.53	1,099.83	-6,848.89	6,829.71	0.00	0.00	0.00
13,900.00	90.24	269.05	7,236.11	1,098.17	-6,948.88	6,929.71	0.00	0.00	0.00
14,000.00	90.24	269.05	7,235.69	1,096.51	-7,048.86	7,029.70	0.00	0.00	0.00
14,100.00	90.24	269.05	7,235.27	1,094.86	-7,148.85	7,129.70	0.00	0.00	0.00
14,200.00	90.24	269.05	7,234.85	1,093.20	-7,248.83	7,229.70	0.00	0.00	0.00
14,300.00	90.24	269.05	7,234.43	1,091.54	-7,348.82	7,329.70	0.00	0.00	0.00
14,400.00	90.24	269.05	7,234.01	1,089.88	-7,448.80	7,429.70	0.00	0.00	0.00
14,500.00	90.24	269.05	7,233.59	1,088.22	-7,548.79	7,529.70	0.00	0.00	0.00
14,600.00	90.24	269.05	7,233.17	1,086.56	-7,648.77	7,629.70	0.00	0.00	0.00
14,700.00	90.24	269.05	7,232.75	1,084.90	-7,748.76	7,729.70	0.00	0.00	0.00
14,800.00	90.24	269.05	7,232.33	1,083.24	-7,848.75	7,829.70	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTER STATE 4C-16-M
Company:	SRC ENERGY	TVD Reference:	KB @ 4822.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4822.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 4C-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)
14,900.00	90.24	269.05	7,231.91	1,081.59	-7,948.73	7,929.70	0.00	0.00	0.00
15,000.00	90.24	269.05	7,231.49	1,079.93	-8,048.72	8,029.70	0.00	0.00	0.00
15,100.00	90.24	269.05	7,231.07	1,078.27	-8,148.70	8,129.70	0.00	0.00	0.00
15,116.21	90.24	269.05	7,231.00	1,078.00	-8,164.91	8,145.91	0.00	0.00	0.00
BHL(487 FNL 150 FWL) - PBHL_HARVESTERS STATE 4C-16-M(523 FNL 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	7,231.00	1,042.18	-8,164.91	1,423,583.05	3,196,947.72	40.4939780	-104.7918640
- plan misses target center by 35.82ft at 15116.21ft MD (7231.00 TVD, 1078.00 N, -8164.91 E)									
- Point									
TOP_HARVESTERS ST	0.00	0.00	7,262.00	1,099.86	-790.43	1,423,702.05	3,204,321.45	40.4941400	-104.7653490
- plan misses target center by 100.46ft at 7742.32ft MD (7261.99 TVD, 1200.31 N, -792.10 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (in)	Hole Diameter (in)
1,765.69	1,750.00	9 5/8"		9.625	13.500

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.00	500.00	0.00	0.00	Start Build 2.00
1,032.50	1,029.44	48.90	-6.65	Start 5719.05 hold at 1032.50 MD
6,751.56	6,649.98	1,096.18	-149.13	Start DLS 9.00 TFO -83.28
7,740.26	7,262.00	1,200.34	-790.04	LP(436 FNL 2216 FWL)
15,116.21	7,231.00	1,078.00	-8,164.91	BHL(487 FNL 150 FWL)