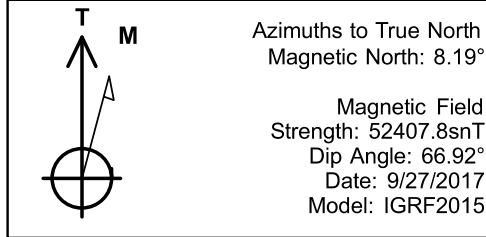
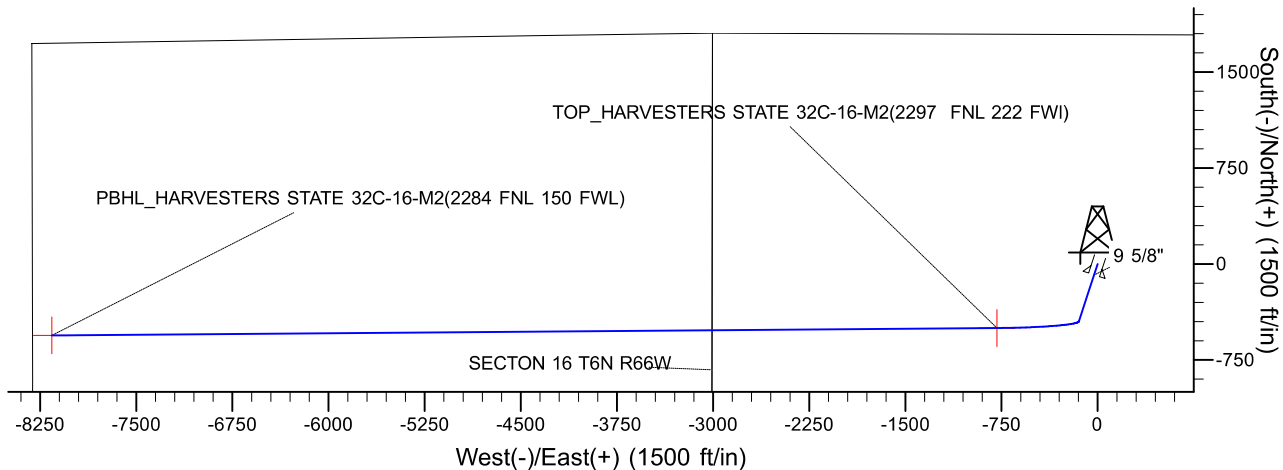
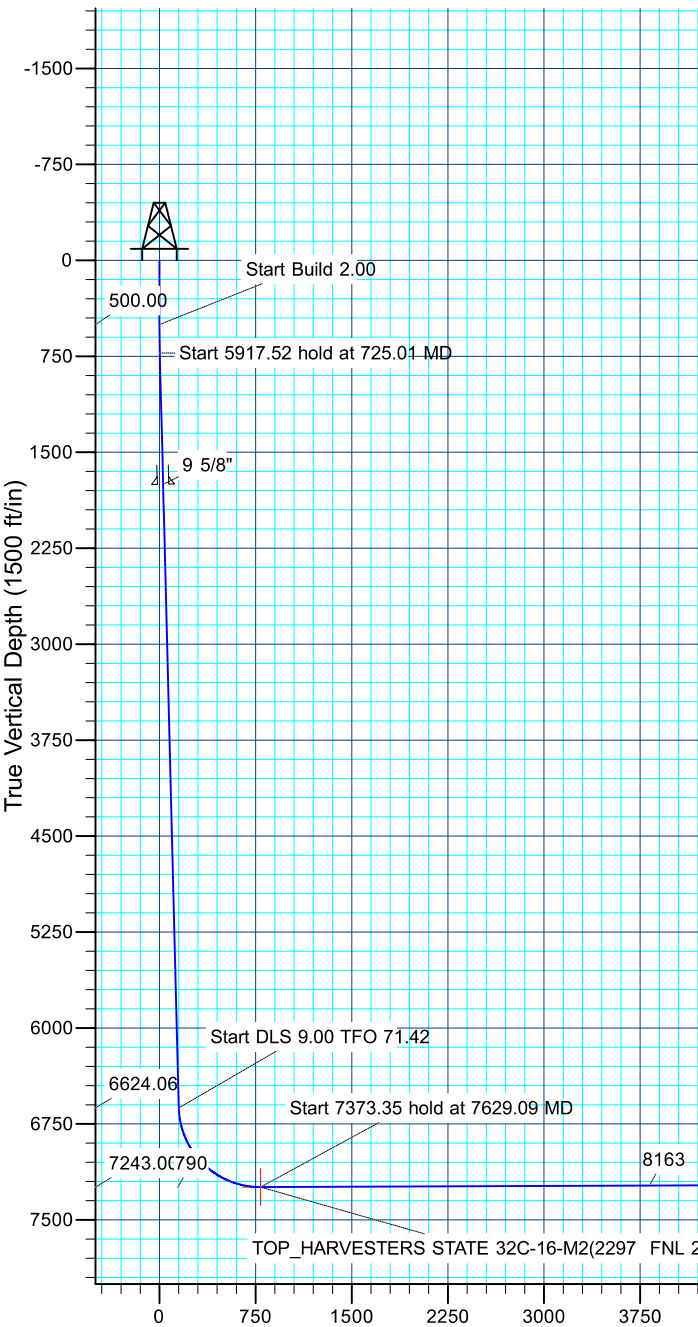




Project: SECTION 15, T6N, R66W
Site: HARVESTERS STATE 7-15 PAD
Well: HARVESTERS STATE 32C-16-M2
Wellbore: OH
Design: PLAN #1
Lat: 40.4906810
Long: -104.7625120



Azimuths to True North
Magnetic North: 8.19°
Magnetic Field
Strength: 52407.8snT
Dip Angle: 66.92°
Date: 9/27/2017
Model: IGRF2015



DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL	7214.00	-558.58	-8159.10	1421822.09	3196966.78	40.4891440	-104.7918460	Point	
TOP	- plan hits target center								
	7243.00	-500.90	-786.03	1421941.09	3204339.10	40.4893060	-104.7653380	Point	
- plan misses target center by 0.01ft at 7629.09ft MD (7243.00 TVD, -500.90 N, -786.03 E)									
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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
725.01	4.50	198.16	724.78	-8.39	-2.75	2.00	198.16	2.82	
6642.53	4.50	198.16	6624.06	-449.56	-147.49	0.00	0.00	151.01	
7629.09	90.23	269.55	7243.00	-500.90	-786.03	9.00	71.42	789.92	
15002.44	90.23	269.55	7214.00	-558.58	-8159.10	0.00	0.00	8163.22	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	1753.40	9 5/8"	9.625						

Vertical Section at 269.55° (1500 ft/in)



SRC ENERGY

**SECTION 15, T6N, R66W
HARVESTERS STATE 7-15 PAD
HARVESTERS STATE 32C-16-M2**

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-M2
Company:	SRC ENERGY	TVD Reference:	KB @ 4821.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4821.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M2	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-M2, 1793' FNL & 2334' FEL			
Well Position	+N/-S	-200.01 ft	Northing:	1,422,448.51 usft
	+E/-W	-1.67 ft	Easting:	3,205,120.94 usft
Position Uncertainty		3.28 ft	Wellhead Elevation:	Latitude: 40.4906810
				Longitude: -104.7625120
				Ground Level: 4,801.00 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	269.55

Plan Survey Tool Program	Date	10/2/2017		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,002.37	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	
725.01	4.50	198.16	724.78	-8.39	-2.75	2.00	2.00	0.00	198.16	
6,642.53	4.50	198.16	6,624.06	-449.56	-147.49	0.00	0.00	0.00	0.00	
7,629.09	90.23	269.55	7,243.00	-500.90	-786.03	9.00	8.69	7.24	71.42	
15,002.44	90.23	269.55	7,214.00	-558.58	-8,159.10	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-M2
Company:	SRC ENERGY	TVD Reference:	KB @ 4821.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4821.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M2	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	198.16	599.98	-1.66	-0.54	0.56	2.00	2.00	0.00
700.00	4.00	198.16	699.84	-6.63	-2.18	2.23	2.00	2.00	0.00
725.01	4.50	198.16	724.78	-8.39	-2.75	2.82	2.00	2.00	0.00
Start 5917.52 hold at 725.01 MD									
800.00	4.50	198.16	799.54	-13.98	-4.59	4.70	0.00	0.00	0.00
900.00	4.50	198.16	899.23	-21.44	-7.03	7.20	0.00	0.00	0.00
1,000.00	4.50	198.16	998.92	-28.89	-9.48	9.71	0.00	0.00	0.00
1,100.00	4.50	198.16	1,098.61	-36.35	-11.93	12.21	0.00	0.00	0.00
1,200.00	4.50	198.16	1,198.30	-43.80	-14.37	14.71	0.00	0.00	0.00
1,300.00	4.50	198.16	1,298.00	-51.26	-16.82	17.22	0.00	0.00	0.00
1,400.00	4.50	198.16	1,397.69	-58.71	-19.26	19.72	0.00	0.00	0.00
1,500.00	4.50	198.16	1,497.38	-66.17	-21.71	22.23	0.00	0.00	0.00
1,600.00	4.50	198.16	1,597.07	-73.62	-24.16	24.73	0.00	0.00	0.00
1,700.00	4.50	198.16	1,696.76	-81.08	-26.60	27.23	0.00	0.00	0.00
1,753.40	4.50	198.16	1,750.00	-85.06	-27.91	28.57	0.00	0.00	0.00
9 5/8"									
1,800.00	4.50	198.16	1,796.45	-88.54	-29.05	29.74	0.00	0.00	0.00
1,900.00	4.50	198.16	1,896.15	-95.99	-31.49	32.24	0.00	0.00	0.00
2,000.00	4.50	198.16	1,995.84	-103.45	-33.94	34.75	0.00	0.00	0.00
2,100.00	4.50	198.16	2,095.53	-110.90	-36.39	37.25	0.00	0.00	0.00
2,200.00	4.50	198.16	2,195.22	-118.36	-38.83	39.76	0.00	0.00	0.00
2,300.00	4.50	198.16	2,294.91	-125.81	-41.28	42.26	0.00	0.00	0.00
2,400.00	4.50	198.16	2,394.60	-133.27	-43.72	44.76	0.00	0.00	0.00
2,500.00	4.50	198.16	2,494.30	-140.72	-46.17	47.27	0.00	0.00	0.00
2,600.00	4.50	198.16	2,593.99	-148.18	-48.62	49.77	0.00	0.00	0.00
2,700.00	4.50	198.16	2,693.68	-155.63	-51.06	52.28	0.00	0.00	0.00
2,800.00	4.50	198.16	2,793.37	-163.09	-53.51	54.78	0.00	0.00	0.00
2,900.00	4.50	198.16	2,893.06	-170.54	-55.95	57.29	0.00	0.00	0.00
3,000.00	4.50	198.16	2,992.76	-178.00	-58.40	59.79	0.00	0.00	0.00
3,100.00	4.50	198.16	3,092.45	-185.45	-60.84	62.29	0.00	0.00	0.00
3,200.00	4.50	198.16	3,192.14	-192.91	-63.29	64.80	0.00	0.00	0.00
3,300.00	4.50	198.16	3,291.83	-200.36	-65.74	67.30	0.00	0.00	0.00
3,400.00	4.50	198.16	3,391.52	-207.82	-68.18	69.81	0.00	0.00	0.00
3,500.00	4.50	198.16	3,491.21	-215.27	-70.63	72.31	0.00	0.00	0.00
3,600.00	4.50	198.16	3,590.91	-222.73	-73.07	74.81	0.00	0.00	0.00
3,700.00	4.50	198.16	3,690.60	-230.19	-75.52	77.32	0.00	0.00	0.00
3,800.00	4.50	198.16	3,790.29	-237.64	-77.97	79.82	0.00	0.00	0.00
3,900.00	4.50	198.16	3,889.98	-245.10	-80.41	82.33	0.00	0.00	0.00
4,000.00	4.50	198.16	3,989.67	-252.55	-82.86	84.83	0.00	0.00	0.00
4,100.00	4.50	198.16	4,089.36	-260.01	-85.30	87.34	0.00	0.00	0.00
4,200.00	4.50	198.16	4,189.06	-267.46	-87.75	89.84	0.00	0.00	0.00
4,300.00	4.50	198.16	4,288.75	-274.92	-90.20	92.34	0.00	0.00	0.00
4,400.00	4.50	198.16	4,388.44	-282.37	-92.64	94.85	0.00	0.00	0.00
4,500.00	4.50	198.16	4,488.13	-289.83	-95.09	97.35	0.00	0.00	0.00
4,600.00	4.50	198.16	4,587.82	-297.28	-97.53	99.86	0.00	0.00	0.00
4,700.00	4.50	198.16	4,687.51	-304.74	-99.98	102.36	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M2
Company:	SRC ENERGY	TVD Reference:	KB @ 4821.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4821.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M2	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	4.50	198.16	4,787.21	-312.19	-102.43	104.87	0.00	0.00	0.00
4,900.00	4.50	198.16	4,886.90	-319.65	-104.87	107.37	0.00	0.00	0.00
5,000.00	4.50	198.16	4,986.59	-327.10	-107.32	109.87	0.00	0.00	0.00
5,100.00	4.50	198.16	5,086.28	-334.56	-109.76	112.38	0.00	0.00	0.00
5,200.00	4.50	198.16	5,185.97	-342.01	-112.21	114.88	0.00	0.00	0.00
5,300.00	4.50	198.16	5,285.66	-349.47	-114.66	117.39	0.00	0.00	0.00
5,400.00	4.50	198.16	5,385.36	-356.92	-117.10	119.89	0.00	0.00	0.00
5,500.00	4.50	198.16	5,485.05	-364.38	-119.55	122.40	0.00	0.00	0.00
5,600.00	4.50	198.16	5,584.74	-371.84	-121.99	124.90	0.00	0.00	0.00
5,700.00	4.50	198.16	5,684.43	-379.29	-124.44	127.40	0.00	0.00	0.00
5,800.00	4.50	198.16	5,784.12	-386.75	-126.89	129.91	0.00	0.00	0.00
5,900.00	4.50	198.16	5,883.81	-394.20	-129.33	132.41	0.00	0.00	0.00
6,000.00	4.50	198.16	5,983.51	-401.66	-131.78	134.92	0.00	0.00	0.00
6,100.00	4.50	198.16	6,083.20	-409.11	-134.22	137.42	0.00	0.00	0.00
6,200.00	4.50	198.16	6,182.89	-416.57	-136.67	139.92	0.00	0.00	0.00
6,300.00	4.50	198.16	6,282.58	-424.02	-139.12	142.43	0.00	0.00	0.00
6,400.00	4.50	198.16	6,382.27	-431.48	-141.56	144.93	0.00	0.00	0.00
6,500.00	4.50	198.16	6,481.96	-438.93	-144.01	147.44	0.00	0.00	0.00
6,600.00	4.50	198.16	6,581.66	-446.39	-146.45	149.94	0.00	0.00	0.00
6,642.53	4.50	198.16	6,624.06	-449.56	-147.49	151.01	0.00	0.00	0.00
Start DLS 9.00 TFO 71.42									
6,700.00	7.86	236.83	6,681.21	-453.85	-151.49	155.03	9.00	5.85	67.29
6,800.00	16.17	254.63	6,778.96	-461.30	-170.68	174.28	9.00	8.31	17.79
6,900.00	24.95	260.31	6,872.51	-468.56	-204.96	208.62	9.00	8.79	5.68
7,000.00	33.85	263.15	6,959.55	-475.44	-253.50	257.21	9.00	8.89	2.84
7,100.00	42.78	264.91	7,037.93	-481.79	-315.11	318.86	9.00	8.93	1.76
7,200.00	51.73	266.16	7,105.74	-487.44	-388.25	392.05	9.00	8.95	1.25
7,300.00	60.70	267.14	7,161.29	-492.25	-471.14	474.97	9.00	8.96	0.97
7,400.00	69.67	267.95	7,203.22	-496.12	-561.73	565.59	9.00	8.97	0.82
7,500.00	78.64	268.68	7,230.50	-498.93	-657.79	661.67	9.00	8.97	0.73
7,600.00	87.61	269.36	7,242.45	-500.63	-756.95	760.84	9.00	8.97	0.68
7,629.09	90.23	269.55	7,243.00	-500.90	-786.03	789.92	9.00	8.98	0.67
Start 7373.35 hold at 7629.09 MD									
7,629.09	90.23	269.55	7,243.00	-500.90	-786.03	789.93	0.02	0.00	0.00
TOP HARVESTERS STATE 32C-16-M2(2297 FNL 222 FWI)									
7,700.00	90.23	269.55	7,242.72	-501.46	-856.94	860.84	0.00	0.00	0.00
7,800.00	90.23	269.55	7,242.33	-502.24	-956.94	960.83	0.00	0.00	0.00
7,900.00	90.23	269.55	7,241.93	-503.02	-1,056.93	1,060.83	0.00	0.00	0.00
8,000.00	90.23	269.55	7,241.54	-503.81	-1,156.93	1,160.83	0.00	0.00	0.00
8,100.00	90.23	269.55	7,241.15	-504.59	-1,256.92	1,260.83	0.00	0.00	0.00
8,200.00	90.23	269.55	7,240.75	-505.37	-1,356.92	1,360.83	0.00	0.00	0.00
8,300.00	90.23	269.55	7,240.36	-506.15	-1,456.92	1,460.83	0.00	0.00	0.00
8,400.00	90.23	269.55	7,239.97	-506.93	-1,556.91	1,560.83	0.00	0.00	0.00
8,500.00	90.23	269.55	7,239.57	-507.72	-1,656.91	1,660.83	0.00	0.00	0.00
8,600.00	90.23	269.55	7,239.18	-508.50	-1,756.90	1,760.83	0.00	0.00	0.00
8,700.00	90.23	269.55	7,238.79	-509.28	-1,856.90	1,860.83	0.00	0.00	0.00
8,800.00	90.23	269.55	7,238.39	-510.06	-1,956.90	1,960.83	0.00	0.00	0.00
8,900.00	90.23	269.55	7,238.00	-510.85	-2,056.89	2,060.83	0.00	0.00	0.00
9,000.00	90.23	269.55	7,237.61	-511.63	-2,156.89	2,160.83	0.00	0.00	0.00
9,100.00	90.23	269.55	7,237.21	-512.41	-2,256.89	2,260.82	0.00	0.00	0.00
9,200.00	90.23	269.55	7,236.82	-513.19	-2,356.88	2,360.82	0.00	0.00	0.00
9,300.00	90.23	269.55	7,236.43	-513.97	-2,456.88	2,460.82	0.00	0.00	0.00
9,400.00	90.23	269.55	7,236.03	-514.76	-2,556.87	2,560.82	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M2
Company:	SRC ENERGY	TVD Reference:	KB @ 4821.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4821.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M2	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	90.23	269.55	7,235.64	-515.54	-2,656.87	2,660.82	0.00	0.00	0.00
9,600.00	90.23	269.55	7,235.25	-516.32	-2,756.87	2,760.82	0.00	0.00	0.00
9,700.00	90.23	269.55	7,234.85	-517.10	-2,856.86	2,860.82	0.00	0.00	0.00
9,800.00	90.23	269.55	7,234.46	-517.89	-2,956.86	2,960.82	0.00	0.00	0.00
9,900.00	90.23	269.55	7,234.07	-518.67	-3,056.85	3,060.82	0.00	0.00	0.00
10,000.00	90.23	269.55	7,233.67	-519.45	-3,156.85	3,160.82	0.00	0.00	0.00
10,100.00	90.23	269.55	7,233.28	-520.23	-3,256.85	3,260.82	0.00	0.00	0.00
10,200.00	90.23	269.55	7,232.89	-521.01	-3,356.84	3,360.82	0.00	0.00	0.00
10,300.00	90.23	269.55	7,232.49	-521.80	-3,456.84	3,460.82	0.00	0.00	0.00
10,400.00	90.23	269.55	7,232.10	-522.58	-3,556.84	3,560.81	0.00	0.00	0.00
10,500.00	90.23	269.55	7,231.71	-523.36	-3,656.83	3,660.81	0.00	0.00	0.00
10,600.00	90.23	269.55	7,231.32	-524.14	-3,756.83	3,760.81	0.00	0.00	0.00
10,700.00	90.23	269.55	7,230.92	-524.93	-3,856.82	3,860.81	0.00	0.00	0.00
10,800.00	90.23	269.55	7,230.53	-525.71	-3,956.82	3,960.81	0.00	0.00	0.00
10,900.00	90.23	269.55	7,230.14	-526.49	-4,056.82	4,060.81	0.00	0.00	0.00
11,000.00	90.23	269.55	7,229.74	-527.27	-4,156.81	4,160.81	0.00	0.00	0.00
11,100.00	90.23	269.55	7,229.35	-528.05	-4,256.81	4,260.81	0.00	0.00	0.00
11,200.00	90.23	269.55	7,228.96	-528.84	-4,356.81	4,360.81	0.00	0.00	0.00
11,300.00	90.23	269.55	7,228.56	-529.62	-4,456.80	4,460.81	0.00	0.00	0.00
11,400.00	90.23	269.55	7,228.17	-530.40	-4,556.80	4,560.81	0.00	0.00	0.00
11,500.00	90.23	269.55	7,227.78	-531.18	-4,656.79	4,660.81	0.00	0.00	0.00
11,600.00	90.23	269.55	7,227.38	-531.97	-4,756.79	4,760.81	0.00	0.00	0.00
11,700.00	90.23	269.55	7,226.99	-532.75	-4,856.79	4,860.80	0.00	0.00	0.00
11,800.00	90.23	269.55	7,226.60	-533.53	-4,956.78	4,960.80	0.00	0.00	0.00
11,900.00	90.23	269.55	7,226.20	-534.31	-5,056.78	5,060.80	0.00	0.00	0.00
12,000.00	90.23	269.55	7,225.81	-535.09	-5,156.77	5,160.80	0.00	0.00	0.00
12,100.00	90.23	269.55	7,225.42	-535.88	-5,256.77	5,260.80	0.00	0.00	0.00
12,200.00	90.23	269.55	7,225.02	-536.66	-5,356.77	5,360.80	0.00	0.00	0.00
12,300.00	90.23	269.55	7,224.63	-537.44	-5,456.76	5,460.80	0.00	0.00	0.00
12,400.00	90.23	269.55	7,224.24	-538.22	-5,556.76	5,560.80	0.00	0.00	0.00
12,500.00	90.23	269.55	7,223.84	-539.01	-5,656.76	5,660.80	0.00	0.00	0.00
12,600.00	90.23	269.55	7,223.45	-539.79	-5,756.75	5,760.80	0.00	0.00	0.00
12,700.00	90.23	269.55	7,223.06	-540.57	-5,856.75	5,860.80	0.00	0.00	0.00
12,800.00	90.23	269.55	7,222.66	-541.35	-5,956.74	5,960.80	0.00	0.00	0.00
12,900.00	90.23	269.55	7,222.27	-542.13	-6,056.74	6,060.80	0.00	0.00	0.00
13,000.00	90.23	269.55	7,221.88	-542.92	-6,156.74	6,160.79	0.00	0.00	0.00
13,100.00	90.23	269.55	7,221.48	-543.70	-6,256.73	6,260.79	0.00	0.00	0.00
13,200.00	90.23	269.55	7,221.09	-544.48	-6,356.73	6,360.79	0.00	0.00	0.00
13,300.00	90.23	269.55	7,220.70	-545.26	-6,456.72	6,460.79	0.00	0.00	0.00
13,400.00	90.23	269.55	7,220.30	-546.05	-6,556.72	6,560.79	0.00	0.00	0.00
13,500.00	90.23	269.55	7,219.91	-546.83	-6,656.72	6,660.79	0.00	0.00	0.00
13,600.00	90.23	269.55	7,219.52	-547.61	-6,756.71	6,760.79	0.00	0.00	0.00
13,700.00	90.23	269.55	7,219.12	-548.39	-6,856.71	6,860.79	0.00	0.00	0.00
13,800.00	90.23	269.55	7,218.73	-549.17	-6,956.71	6,960.79	0.00	0.00	0.00
13,900.00	90.23	269.55	7,218.34	-549.96	-7,056.70	7,060.79	0.00	0.00	0.00
14,000.00	90.23	269.55	7,217.94	-550.74	-7,156.70	7,160.79	0.00	0.00	0.00
14,100.00	90.23	269.55	7,217.55	-551.52	-7,256.69	7,260.79	0.00	0.00	0.00
14,200.00	90.23	269.55	7,217.16	-552.30	-7,356.69	7,360.79	0.00	0.00	0.00
14,300.00	90.23	269.55	7,216.76	-553.08	-7,456.69	7,460.78	0.00	0.00	0.00
14,400.00	90.23	269.55	7,216.37	-553.87	-7,556.68	7,560.78	0.00	0.00	0.00
14,500.00	90.23	269.55	7,215.98	-554.65	-7,656.68	7,660.78	0.00	0.00	0.00
14,600.00	90.23	269.55	7,215.58	-555.43	-7,756.67	7,760.78	0.00	0.00	0.00
14,700.00	90.23	269.55	7,215.19	-556.21	-7,856.67	7,860.78	0.00	0.00	0.00
14,800.00	90.23	269.55	7,214.80	-557.00	-7,956.67	7,960.78	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well HARVESTERS STATE 32C-16-M2
Company:	SRC ENERGY	TVD Reference:	KB @ 4821.00ft
Project:	SECTION 15, T6N, R66W	MD Reference:	KB @ 4821.00ft
Site:	HARVESTERS STATE 7-15 PAD	North Reference:	True
Well:	HARVESTERS STATE 32C-16-M2	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	90.23	269.55	7,214.40	-557.78	-8,056.66	8,060.78	0.00	0.00	0.00
15,000.00	90.23	269.55	7,214.01	-558.56	-8,156.66	8,160.78	0.00	0.00	0.00
15,002.44	90.23	269.55	7,214.00	-558.58	-8,159.10	8,163.22	0.00	0.00	0.00
TD at 15002.44 - PBHL_HARVESTERS STATE 32C-16-M2(2284 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	7,214.00	-558.58	-8,159.10	1,421,822.09	3,196,966.79	40.4891440	-104.7918460
- plan hits target center									
- Point									
TOP_HARVESTERS ST	0.00	0.00	7,243.00	-500.90	-786.04	1,421,941.09	3,204,339.10	40.4893060	-104.7653380
- plan misses target center by 0.01ft at 7629.09ft MD (7243.00 TVD, -500.90 N, -786.03 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,753.40	1,750.00	9 5/8"	9.625	13.500	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
500.00	500.00	0.00	0.00	Start Build 2.00
725.01	724.78	-8.39	-2.75	Start 5917.52 hold at 725.01 MD
6,642.53	6,624.06	-449.56	-147.49	Start DLS 9.00 TFO 71.42
7,629.09	7,243.00	-500.90	-786.03	Start 7373.35 hold at 7629.09 MD
15,002.44	7,214.00	-558.58	-8,159.10	TD at 15002.44