

SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)

5N-66W-29 SANFORD 21-29 PAD

SANFORD 26C-27-XR

Wellbore #1

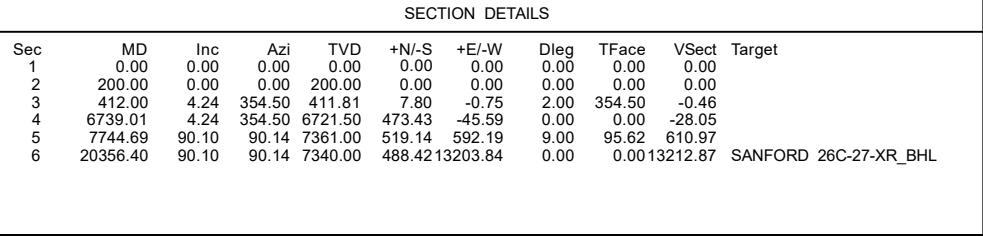
Plan: Design #1

Standard Planning Report

25 October, 2018

SRC ENERGY

CASING DETAILS		
TVD	MD	Name
1800.00	1804.00	9 5/8"
7361.00	7744.69	Production Zone Top

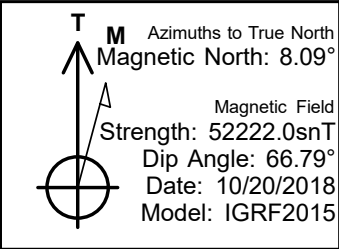


WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
SANFORD 26C-27-XR_BPZ	0.00	488.36	13103.82	40.377406	-104.757880
SANFORD 26C-27-XR_SHL	0.00	0.00	0.00	40.376075	-104.804914
SANFORD 26C-27-XR_BHL	7340.00	488.42	13203.84	40.377406	-104.757521

BPZ
142' FNL
460' FEL

BHL
142' FNL
360' FEL

WELL DETAILS: SANFORD 26C-27-XR
GL = 4905'
RKB = 4' @ 4909.00usft (RIG)
Plan: Design #1 (SANFORD 26C-27-XR/Wellbore #1)
Date: 10/25/2015



Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well SANFORD 26C-27-XR
Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site:	5N-66W-29 SANFORD 21-29 PAD	North Reference:	True
Well:	SANFORD 26C-27-XR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	WELD COUNTY (NAD83, TRUE NORTH)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	5N-66W-29 SANFORD 21-29 PAD			
Site Position:		Northing:	1,380,603.61 usft	Latitude: 40.376075
From:	Lat/Long	Easting:	3,193,654.99 usft	Longitude: -104.804914
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.45 °

Well	SANFORD 26C-27-XR			
Well Position	+N/-S	-0.01 usft	Northing:	1,380,603.59 usft
	+E/-W	0.00 usft	Easting:	3,193,654.99 usft
Position Uncertainty		3.28 usft	Wellhead Elevation:	Latitude: 40.376075
				Longitude: -104.804914
				Ground Level: 4,905.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/20/2018	8.09	66.79	52,222.01101454

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	87.88

Plan Survey Tool Program	Date	10/25/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2
				Fixed:v2:crustal field declinatio
2	7,745.00	20,356.40	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2
				Fixed:v2:Rockies, crustal dec +

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	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	
412.00	4.24	354.50	411.81	7.80	-0.75	2.00	2.00	0.00	354.50	
6,739.01	4.24	354.50	6,721.50	473.43	-45.59	0.00	0.00	0.00	0.00	
7,744.69	90.10	90.14	7,361.00	519.14	592.19	9.00	8.54	9.51	95.62	
20,356.40	90.10	90.14	7,340.00	488.42	13,203.84	0.00	0.00	0.00	0.00	SANFORD 26C-27-XI

Hewlett-Packard

Planning Report

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Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site:	5N-66W-29 SANFORD 21-29 PAD	North Reference:	True
Well:	SANFORD 26C-27-XR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
Begin Nudge @ 200.00ft									
300.00	2.00	354.50	299.98	1.74	-0.17	-0.10	2.00	2.00	0.00
400.00	4.00	354.50	399.84	6.95	-0.67	-0.41	2.00	2.00	0.00
412.00	4.24	354.50	411.81	7.80	-0.75	-0.46	2.00	2.00	0.00
Hold Tangent @ 412.00ft									
500.00	4.24	354.50	499.57	14.28	-1.38	-0.85	0.00	0.00	0.00
600.00	4.24	354.50	599.29	21.64	-2.08	-1.28	0.00	0.00	0.00
700.00	4.24	354.50	699.02	29.00	-2.79	-1.72	0.00	0.00	0.00
800.00	4.24	354.50	798.74	36.36	-3.50	-2.15	0.00	0.00	0.00
900.00	4.24	354.50	898.47	43.72	-4.21	-2.59	0.00	0.00	0.00
1,000.00	4.24	354.50	998.20	51.08	-4.92	-3.03	0.00	0.00	0.00
1,100.00	4.24	354.50	1,097.92	58.44	-5.63	-3.46	0.00	0.00	0.00
1,200.00	4.24	354.50	1,197.65	65.80	-6.34	-3.90	0.00	0.00	0.00
1,300.00	4.24	354.50	1,297.38	73.16	-7.04	-4.34	0.00	0.00	0.00
1,400.00	4.24	354.50	1,397.10	80.52	-7.75	-4.77	0.00	0.00	0.00
1,500.00	4.24	354.50	1,496.83	87.87	-8.46	-5.21	0.00	0.00	0.00
1,600.00	4.24	354.50	1,596.56	95.23	-9.17	-5.64	0.00	0.00	0.00
1,700.00	4.24	354.50	1,696.28	102.59	-9.88	-6.08	0.00	0.00	0.00
1,800.00	4.24	354.50	1,796.01	109.95	-10.59	-6.52	0.00	0.00	0.00
1,804.00	4.24	354.50	1,800.00	110.25	-10.62	-6.53	0.00	0.00	0.00
9 5/8"									
1,900.00	4.24	354.50	1,895.73	117.31	-11.30	-6.95	0.00	0.00	0.00
2,000.00	4.24	354.50	1,995.46	124.67	-12.00	-7.39	0.00	0.00	0.00
2,100.00	4.24	354.50	2,095.19	132.03	-12.71	-7.82	0.00	0.00	0.00
2,200.00	4.24	354.50	2,194.91	139.39	-13.42	-8.26	0.00	0.00	0.00
2,300.00	4.24	354.50	2,294.64	146.75	-14.13	-8.70	0.00	0.00	0.00
2,400.00	4.24	354.50	2,394.37	154.11	-14.84	-9.13	0.00	0.00	0.00
2,500.00	4.24	354.50	2,494.09	161.47	-15.55	-9.57	0.00	0.00	0.00
2,600.00	4.24	354.50	2,593.82	168.83	-16.26	-10.00	0.00	0.00	0.00
2,700.00	4.24	354.50	2,693.54	176.19	-16.96	-10.44	0.00	0.00	0.00
2,800.00	4.24	354.50	2,793.27	183.55	-17.67	-10.88	0.00	0.00	0.00
2,900.00	4.24	354.50	2,893.00	190.91	-18.38	-11.31	0.00	0.00	0.00
3,000.00	4.24	354.50	2,992.72	198.27	-19.09	-11.75	0.00	0.00	0.00
3,100.00	4.24	354.50	3,092.45	205.63	-19.80	-12.18	0.00	0.00	0.00
3,200.00	4.24	354.50	3,192.18	212.98	-20.51	-12.62	0.00	0.00	0.00
3,300.00	4.24	354.50	3,291.90	220.34	-21.22	-13.06	0.00	0.00	0.00
3,400.00	4.24	354.50	3,391.63	227.70	-21.93	-13.49	0.00	0.00	0.00
3,500.00	4.24	354.50	3,491.36	235.06	-22.63	-13.93	0.00	0.00	0.00
3,600.00	4.24	354.50	3,591.08	242.42	-23.34	-14.37	0.00	0.00	0.00
3,700.00	4.24	354.50	3,690.81	249.78	-24.05	-14.80	0.00	0.00	0.00
3,800.00	4.24	354.50	3,790.53	257.14	-24.76	-15.24	0.00	0.00	0.00
3,900.00	4.24	354.50	3,890.26	264.50	-25.47	-15.67	0.00	0.00	0.00
4,000.00	4.24	354.50	3,989.99	271.86	-26.18	-16.11	0.00	0.00	0.00
4,100.00	4.24	354.50	4,089.71	279.22	-26.89	-16.55	0.00	0.00	0.00
4,200.00	4.24	354.50	4,189.44	286.58	-27.59	-16.98	0.00	0.00	0.00
4,300.00	4.24	354.50	4,289.17	293.94	-28.30	-17.42	0.00	0.00	0.00
4,400.00	4.24	354.50	4,388.89	301.30	-29.01	-17.85	0.00	0.00	0.00
4,500.00	4.24	354.50	4,488.62	308.66	-29.72	-18.29	0.00	0.00	0.00
4,600.00	4.24	354.50	4,588.34	316.02	-30.43	-18.73	0.00	0.00	0.00
4,700.00	4.24	354.50	4,688.07	323.38	-31.14	-19.16	0.00	0.00	0.00

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Planning Report

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Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	4.24	354.50	4,787.80	330.74	-31.85	-19.60	0.00	0.00	0.00
4,900.00	4.24	354.50	4,887.52	338.09	-32.55	-20.03	0.00	0.00	0.00
5,000.00	4.24	354.50	4,987.25	345.45	-33.26	-20.47	0.00	0.00	0.00
5,100.00	4.24	354.50	5,086.98	352.81	-33.97	-20.91	0.00	0.00	0.00
5,200.00	4.24	354.50	5,186.70	360.17	-34.68	-21.34	0.00	0.00	0.00
5,300.00	4.24	354.50	5,286.43	367.53	-35.39	-21.78	0.00	0.00	0.00
5,400.00	4.24	354.50	5,386.16	374.89	-36.10	-22.22	0.00	0.00	0.00
5,500.00	4.24	354.50	5,485.88	382.25	-36.81	-22.65	0.00	0.00	0.00
5,600.00	4.24	354.50	5,585.61	389.61	-37.52	-23.09	0.00	0.00	0.00
5,700.00	4.24	354.50	5,685.33	396.97	-38.22	-23.52	0.00	0.00	0.00
5,800.00	4.24	354.50	5,785.06	404.33	-38.93	-23.96	0.00	0.00	0.00
5,900.00	4.24	354.50	5,884.79	411.69	-39.64	-24.40	0.00	0.00	0.00
6,000.00	4.24	354.50	5,984.51	419.05	-40.35	-24.83	0.00	0.00	0.00
6,100.00	4.24	354.50	6,084.24	426.41	-41.06	-25.27	0.00	0.00	0.00
6,200.00	4.24	354.50	6,183.97	433.77	-41.77	-25.70	0.00	0.00	0.00
6,300.00	4.24	354.50	6,283.69	441.13	-42.48	-26.14	0.00	0.00	0.00
6,400.00	4.24	354.50	6,383.42	448.49	-43.18	-26.58	0.00	0.00	0.00
6,500.00	4.24	354.50	6,483.14	455.85	-43.89	-27.01	0.00	0.00	0.00
6,600.00	4.24	354.50	6,582.87	463.20	-44.60	-27.45	0.00	0.00	0.00
6,700.00	4.24	354.50	6,682.60	470.56	-45.31	-27.88	0.00	0.00	0.00
6,739.01	4.24	354.50	6,721.50	473.43	-45.59	-28.05	0.00	0.00	0.00
KOP @ 6739.01ft :: DLS = 9°/100'									
6,800.00	6.60	50.48	6,782.25	477.91	-43.10	-25.40	9.00	3.86	91.79
6,900.00	14.68	73.78	6,880.49	485.12	-26.47	-8.52	9.00	8.08	23.29
7,000.00	23.44	80.33	6,974.93	492.01	5.37	23.55	9.00	8.76	6.56
7,100.00	32.32	83.44	7,063.24	498.42	51.62	70.01	9.00	8.89	3.10
7,200.00	41.25	85.31	7,143.25	504.19	111.16	129.72	9.00	8.93	1.87
7,300.00	50.20	86.61	7,212.99	509.17	182.51	201.21	9.00	8.95	1.30
7,400.00	59.17	87.61	7,270.74	513.24	263.92	282.72	9.00	8.96	1.00
7,500.00	68.14	88.44	7,315.07	516.31	353.39	372.23	9.00	8.97	0.83
7,600.00	77.11	89.17	7,344.91	518.29	448.71	467.56	9.00	8.97	0.73
7,700.00	86.08	89.84	7,359.51	519.13	547.53	566.34	9.00	8.98	0.68
7,744.69	90.10	90.14	7,361.00	519.14	592.18	610.97	9.00	8.98	0.66
End Build @ 7744.69ft - Production Zone Top									
7,800.00	90.10	90.14	7,360.91	519.01	647.49	666.24	0.00	0.00	0.00
7,900.00	90.10	90.14	7,360.74	518.76	747.49	766.16	0.00	0.00	0.00
8,000.00	90.10	90.14	7,360.58	518.52	847.49	866.08	0.00	0.00	0.00
8,100.00	90.10	90.14	7,360.41	518.28	947.49	966.00	0.00	0.00	0.00
8,200.00	90.10	90.14	7,360.24	518.03	1,047.49	1,065.93	0.00	0.00	0.00
8,300.00	90.10	90.14	7,360.08	517.79	1,147.49	1,165.85	0.00	0.00	0.00
8,400.00	90.10	90.14	7,359.91	517.55	1,247.49	1,265.77	0.00	0.00	0.00
8,500.00	90.10	90.14	7,359.74	517.30	1,347.49	1,365.69	0.00	0.00	0.00
8,600.00	90.10	90.14	7,359.58	517.06	1,447.49	1,465.61	0.00	0.00	0.00
8,700.00	90.10	90.14	7,359.41	516.81	1,547.49	1,565.54	0.00	0.00	0.00
8,800.00	90.10	90.14	7,359.24	516.57	1,647.49	1,665.46	0.00	0.00	0.00
8,900.00	90.10	90.14	7,359.08	516.33	1,747.49	1,765.38	0.00	0.00	0.00
9,000.00	90.10	90.14	7,358.91	516.08	1,847.49	1,865.30	0.00	0.00	0.00
9,100.00	90.10	90.14	7,358.74	515.84	1,947.49	1,965.23	0.00	0.00	0.00
9,200.00	90.10	90.14	7,358.58	515.60	2,047.49	2,065.15	0.00	0.00	0.00
9,300.00	90.10	90.14	7,358.41	515.35	2,147.49	2,165.07	0.00	0.00	0.00
9,400.00	90.10	90.14	7,358.24	515.11	2,247.49	2,264.99	0.00	0.00	0.00
9,500.00	90.10	90.14	7,358.08	514.87	2,347.49	2,364.91	0.00	0.00	0.00
9,600.00	90.10	90.14	7,357.91	514.62	2,447.49	2,464.84	0.00	0.00	0.00
9,700.00	90.10	90.14	7,357.74	514.38	2,547.49	2,564.76	0.00	0.00	0.00

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Planning Report

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Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site:	5N-66W-29 SANFORD 21-29 PAD	North Reference:	True
Well:	SANFORD 26C-27-XR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,800.00	90.10	90.14	7,357.58	514.13	2,647.49	2,664.68	0.00	0.00	0.00	
9,900.00	90.10	90.14	7,357.41	513.89	2,747.48	2,764.60	0.00	0.00	0.00	
10,000.00	90.10	90.14	7,357.25	513.65	2,847.48	2,864.53	0.00	0.00	0.00	
10,100.00	90.10	90.14	7,357.08	513.40	2,947.48	2,964.45	0.00	0.00	0.00	
10,200.00	90.10	90.14	7,356.91	513.16	3,047.48	3,064.37	0.00	0.00	0.00	
10,300.00	90.10	90.14	7,356.75	512.92	3,147.48	3,164.29	0.00	0.00	0.00	
10,400.00	90.10	90.14	7,356.58	512.67	3,247.48	3,264.21	0.00	0.00	0.00	
10,500.00	90.10	90.14	7,356.41	512.43	3,347.48	3,364.14	0.00	0.00	0.00	
10,600.00	90.10	90.14	7,356.25	512.19	3,447.48	3,464.06	0.00	0.00	0.00	
10,700.00	90.10	90.14	7,356.08	511.94	3,547.48	3,563.98	0.00	0.00	0.00	
10,800.00	90.10	90.14	7,355.91	511.70	3,647.48	3,663.90	0.00	0.00	0.00	
10,900.00	90.10	90.14	7,355.75	511.45	3,747.48	3,763.83	0.00	0.00	0.00	
11,000.00	90.10	90.14	7,355.58	511.21	3,847.48	3,863.75	0.00	0.00	0.00	
11,100.00	90.10	90.14	7,355.41	510.97	3,947.48	3,963.67	0.00	0.00	0.00	
11,200.00	90.10	90.14	7,355.25	510.72	4,047.48	4,063.59	0.00	0.00	0.00	
11,300.00	90.10	90.14	7,355.08	510.48	4,147.48	4,163.51	0.00	0.00	0.00	
11,400.00	90.10	90.14	7,354.91	510.24	4,247.48	4,263.44	0.00	0.00	0.00	
11,500.00	90.10	90.14	7,354.75	509.99	4,347.48	4,363.36	0.00	0.00	0.00	
11,600.00	90.10	90.14	7,354.58	509.75	4,447.48	4,463.28	0.00	0.00	0.00	
11,700.00	90.10	90.14	7,354.41	509.51	4,547.48	4,563.20	0.00	0.00	0.00	
11,800.00	90.10	90.14	7,354.25	509.26	4,647.48	4,663.13	0.00	0.00	0.00	
11,900.00	90.10	90.14	7,354.08	509.02	4,747.48	4,763.05	0.00	0.00	0.00	
12,000.00	90.10	90.14	7,353.91	508.77	4,847.48	4,862.97	0.00	0.00	0.00	
12,100.00	90.10	90.14	7,353.75	508.53	4,947.48	4,962.89	0.00	0.00	0.00	
12,200.00	90.10	90.14	7,353.58	508.29	5,047.47	5,062.81	0.00	0.00	0.00	
12,300.00	90.10	90.14	7,353.42	508.04	5,147.47	5,162.74	0.00	0.00	0.00	
12,400.00	90.10	90.14	7,353.25	507.80	5,247.47	5,262.66	0.00	0.00	0.00	
12,500.00	90.10	90.14	7,353.08	507.56	5,347.47	5,362.58	0.00	0.00	0.00	
12,600.00	90.10	90.14	7,352.92	507.31	5,447.47	5,462.50	0.00	0.00	0.00	
12,700.00	90.10	90.14	7,352.75	507.07	5,547.47	5,562.43	0.00	0.00	0.00	
12,800.00	90.10	90.14	7,352.58	506.83	5,647.47	5,662.35	0.00	0.00	0.00	
12,900.00	90.10	90.14	7,352.42	506.58	5,747.47	5,762.27	0.00	0.00	0.00	
13,000.00	90.10	90.14	7,352.25	506.34	5,847.47	5,862.19	0.00	0.00	0.00	
13,100.00	90.10	90.14	7,352.08	506.10	5,947.47	5,962.11	0.00	0.00	0.00	
13,200.00	90.10	90.14	7,351.92	505.85	6,047.47	6,062.04	0.00	0.00	0.00	
13,300.00	90.10	90.14	7,351.75	505.61	6,147.47	6,161.96	0.00	0.00	0.00	
13,400.00	90.10	90.14	7,351.58	505.36	6,247.47	6,261.88	0.00	0.00	0.00	
13,500.00	90.10	90.14	7,351.42	505.12	6,347.47	6,361.80	0.00	0.00	0.00	
13,600.00	90.10	90.14	7,351.25	504.88	6,447.47	6,461.73	0.00	0.00	0.00	
13,700.00	90.10	90.14	7,351.08	504.63	6,547.47	6,561.65	0.00	0.00	0.00	
13,800.00	90.10	90.14	7,350.92	504.39	6,647.47	6,661.57	0.00	0.00	0.00	
13,900.00	90.10	90.14	7,350.75	504.15	6,747.47	6,761.49	0.00	0.00	0.00	
14,000.00	90.10	90.14	7,350.58	503.90	6,847.47	6,861.41	0.00	0.00	0.00	
14,100.00	90.10	90.14	7,350.42	503.66	6,947.47	6,961.34	0.00	0.00	0.00	
14,200.00	90.10	90.14	7,350.25	503.42	7,047.47	7,061.26	0.00	0.00	0.00	
14,300.00	90.10	90.14	7,350.09	503.17	7,147.47	7,161.18	0.00	0.00	0.00	
14,400.00	90.10	90.14	7,349.92	502.93	7,247.47	7,261.10	0.00	0.00	0.00	
14,500.00	90.10	90.14	7,349.75	502.68	7,347.46	7,361.03	0.00	0.00	0.00	
14,600.00	90.10	90.14	7,349.59	502.44	7,447.46	7,460.95	0.00	0.00	0.00	
14,700.00	90.10	90.14	7,349.42	502.20	7,547.46	7,560.87	0.00	0.00	0.00	
14,800.00	90.10	90.14	7,349.25	501.95	7,647.46	7,660.79	0.00	0.00	0.00	
14,900.00	90.10	90.14	7,349.09	501.71	7,747.46	7,760.71	0.00	0.00	0.00	
15,000.00	90.10	90.14	7,348.92	501.47	7,847.46	7,860.64	0.00	0.00	0.00	
15,100.00	90.10	90.14	7,348.75	501.22	7,947.46	7,960.56	0.00	0.00	0.00	

Planning Report

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,200.00	90.10	90.14	7,348.59	500.98	8,047.46	8,060.48	0.00	0.00	0.00
15,300.00	90.10	90.14	7,348.42	500.74	8,147.46	8,160.40	0.00	0.00	0.00
15,400.00	90.10	90.14	7,348.25	500.49	8,247.46	8,260.33	0.00	0.00	0.00
15,500.00	90.10	90.14	7,348.09	500.25	8,347.46	8,360.25	0.00	0.00	0.00
15,600.00	90.10	90.14	7,347.92	500.00	8,447.46	8,460.17	0.00	0.00	0.00
15,700.00	90.10	90.14	7,347.75	499.76	8,547.46	8,560.09	0.00	0.00	0.00
15,800.00	90.10	90.14	7,347.59	499.52	8,647.46	8,660.01	0.00	0.00	0.00
15,900.00	90.10	90.14	7,347.42	499.27	8,747.46	8,759.94	0.00	0.00	0.00
16,000.00	90.10	90.14	7,347.25	499.03	8,847.46	8,859.86	0.00	0.00	0.00
16,100.00	90.10	90.14	7,347.09	498.79	8,947.46	8,959.78	0.00	0.00	0.00
16,200.00	90.10	90.14	7,346.92	498.54	9,047.46	9,059.70	0.00	0.00	0.00
16,300.00	90.10	90.14	7,346.75	498.30	9,147.46	9,159.63	0.00	0.00	0.00
16,400.00	90.10	90.14	7,346.59	498.06	9,247.46	9,259.55	0.00	0.00	0.00
16,500.00	90.10	90.14	7,346.42	497.81	9,347.46	9,359.47	0.00	0.00	0.00
16,600.00	90.10	90.14	7,346.26	497.57	9,447.46	9,459.39	0.00	0.00	0.00
16,700.00	90.10	90.14	7,346.09	497.33	9,547.46	9,559.31	0.00	0.00	0.00
16,800.00	90.10	90.14	7,345.92	497.08	9,647.45	9,659.24	0.00	0.00	0.00
16,900.00	90.10	90.14	7,345.76	496.84	9,747.45	9,759.16	0.00	0.00	0.00
17,000.00	90.10	90.14	7,345.59	496.59	9,847.45	9,859.08	0.00	0.00	0.00
17,100.00	90.10	90.14	7,345.42	496.35	9,947.45	9,959.00	0.00	0.00	0.00
17,200.00	90.10	90.14	7,345.26	496.11	10,047.45	10,058.93	0.00	0.00	0.00
17,300.00	90.10	90.14	7,345.09	495.86	10,147.45	10,158.85	0.00	0.00	0.00
17,400.00	90.10	90.14	7,344.92	495.62	10,247.45	10,258.77	0.00	0.00	0.00
17,500.00	90.10	90.14	7,344.76	495.38	10,347.45	10,358.69	0.00	0.00	0.00
17,600.00	90.10	90.14	7,344.59	495.13	10,447.45	10,458.61	0.00	0.00	0.00
17,700.00	90.10	90.14	7,344.42	494.89	10,547.45	10,558.54	0.00	0.00	0.00
17,800.00	90.10	90.14	7,344.26	494.65	10,647.45	10,658.46	0.00	0.00	0.00
17,900.00	90.10	90.14	7,344.09	494.40	10,747.45	10,758.38	0.00	0.00	0.00
18,000.00	90.10	90.14	7,343.92	494.16	10,847.45	10,858.30	0.00	0.00	0.00
18,100.00	90.10	90.14	7,343.76	493.91	10,947.45	10,958.22	0.00	0.00	0.00
18,200.00	90.10	90.14	7,343.59	493.67	11,047.45	11,058.15	0.00	0.00	0.00
18,300.00	90.10	90.14	7,343.42	493.43	11,147.45	11,158.07	0.00	0.00	0.00
18,400.00	90.10	90.14	7,343.26	493.18	11,247.45	11,257.99	0.00	0.00	0.00
18,500.00	90.10	90.14	7,343.09	492.94	11,347.45	11,357.91	0.00	0.00	0.00
18,600.00	90.10	90.14	7,342.92	492.70	11,447.45	11,457.84	0.00	0.00	0.00
18,700.00	90.10	90.14	7,342.76	492.45	11,547.45	11,557.76	0.00	0.00	0.00
18,800.00	90.10	90.14	7,342.59	492.21	11,647.45	11,657.68	0.00	0.00	0.00
18,900.00	90.10	90.14	7,342.43	491.97	11,747.45	11,757.60	0.00	0.00	0.00
19,000.00	90.10	90.14	7,342.26	491.72	11,847.45	11,857.52	0.00	0.00	0.00
19,100.00	90.10	90.14	7,342.09	491.48	11,947.44	11,957.45	0.00	0.00	0.00
19,200.00	90.10	90.14	7,341.93	491.23	12,047.44	12,057.37	0.00	0.00	0.00
19,300.00	90.10	90.14	7,341.76	490.99	12,147.44	12,157.29	0.00	0.00	0.00
19,400.00	90.10	90.14	7,341.59	490.75	12,247.44	12,257.21	0.00	0.00	0.00
19,500.00	90.10	90.14	7,341.43	490.50	12,347.44	12,357.14	0.00	0.00	0.00
19,600.00	90.10	90.14	7,341.26	490.26	12,447.44	12,457.06	0.00	0.00	0.00
19,700.00	90.10	90.14	7,341.09	490.02	12,547.44	12,556.98	0.00	0.00	0.00
19,800.00	90.10	90.14	7,340.93	489.77	12,647.44	12,656.90	0.00	0.00	0.00
19,900.00	90.10	90.14	7,340.76	489.53	12,747.44	12,756.82	0.00	0.00	0.00
20,000.00	90.10	90.14	7,340.59	489.29	12,847.44	12,856.75	0.00	0.00	0.00
20,100.00	90.10	90.14	7,340.43	489.04	12,947.44	12,956.67	0.00	0.00	0.00
20,200.00	90.10	90.14	7,340.26	488.80	13,047.44	13,056.59	0.00	0.00	0.00
20,300.00	90.10	90.14	7,340.09	488.55	13,147.44	13,156.51	0.00	0.00	0.00
20,356.40	90.10	90.14	7,340.00	488.42	13,203.84	13,212.87	0.00	0.00	0.00
TD Well @ 20356.40ft									

Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well SANFORD 26C-27-XR
Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site:	5N-66W-29 SANFORD 21-29 PAD	North Reference:	True
Well:	SANFORD 26C-27-XR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,804.00	1,800.00	9 5/8"		9-5/8	13-1/2
7,744.69	7,361.00	Production Zone Top		5-1/2	8-1/2

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Begin Nudge @ 200.00ft
412.00	411.81	7.80	-0.75	Hold Tangent @ 412.00ft
6,739.01	6,721.50	473.43	-45.59	KOP @ 6739.01ft :: DLS = 9°/100'
7,744.69	7,361.00	519.14	592.19	End Build @ 7744.69ft
20,356.40	7,340.00	488.42	13,203.84	TD Well @ 20356.40ft