SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 26N-27A-XR

Wellbore #1

Plan: Design #1

Standard Planning Report

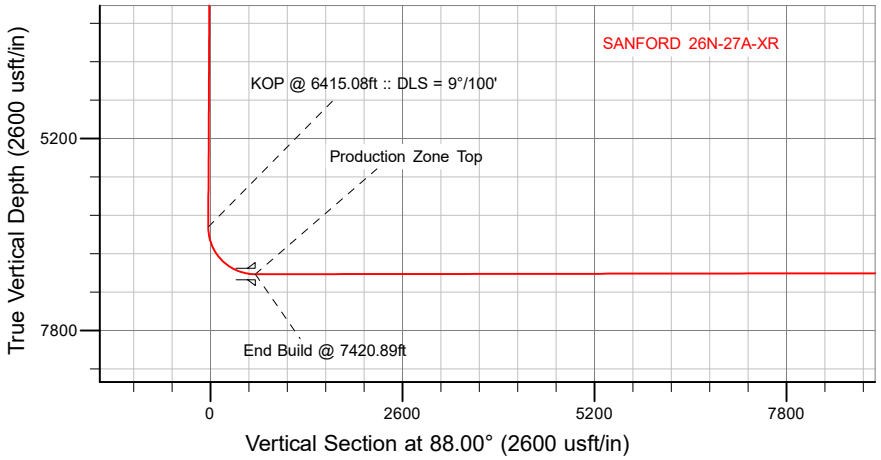
25 October, 2018

Project: WELD COUNTY (NAD83, TRUE NORTH)
Site: 5N-66W-29 SANFORD 21-29 PAD
Well: SANFORD 26N-27A-XR
Wellbore: Wellbore #1
Design: Design #1

SRC ENERGY

CASING DETAILS

TVD	MD	Name
1800.00	1803.84	9 5/8"
7039.00	7420.89	Production Zone Top



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	407.50	4.15	354.00	407.32	7.47	-0.79	2.00	354.00	-0.52	
4	6415.08	4.15	354.00	6399.15	439.84	-46.23	0.00	0.00	-30.88	
5	7420.89	90.08	90.11	7039.00	484.84	591.37	9.00	96.09	607.90	
6	20033.71	90.08	90.11	7021.00	460.37	13204.14	0.00	0.00	13212.17	SANFORD 26N-27A-XR_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
SANFORD 26N-27A-XR_BPZ	0.00	460.68	13104.13	40.377275	-104.757879
SANFORD 26N-27A-XR_SHL	0.00	0.00	0.00	40.376020	-104.804914
SANFORD 26N-27A-XR_BHL	7021.00	460.37	13204.14	40.377274	-104.757520

SHL
631' FNL
2245' FWL

LP
146' FNL
2461' FEL
40.377360° Lat
-104.802791° Long

BPZ
190' FNL
460' FEL

BHL
190' FNL
360' FEL

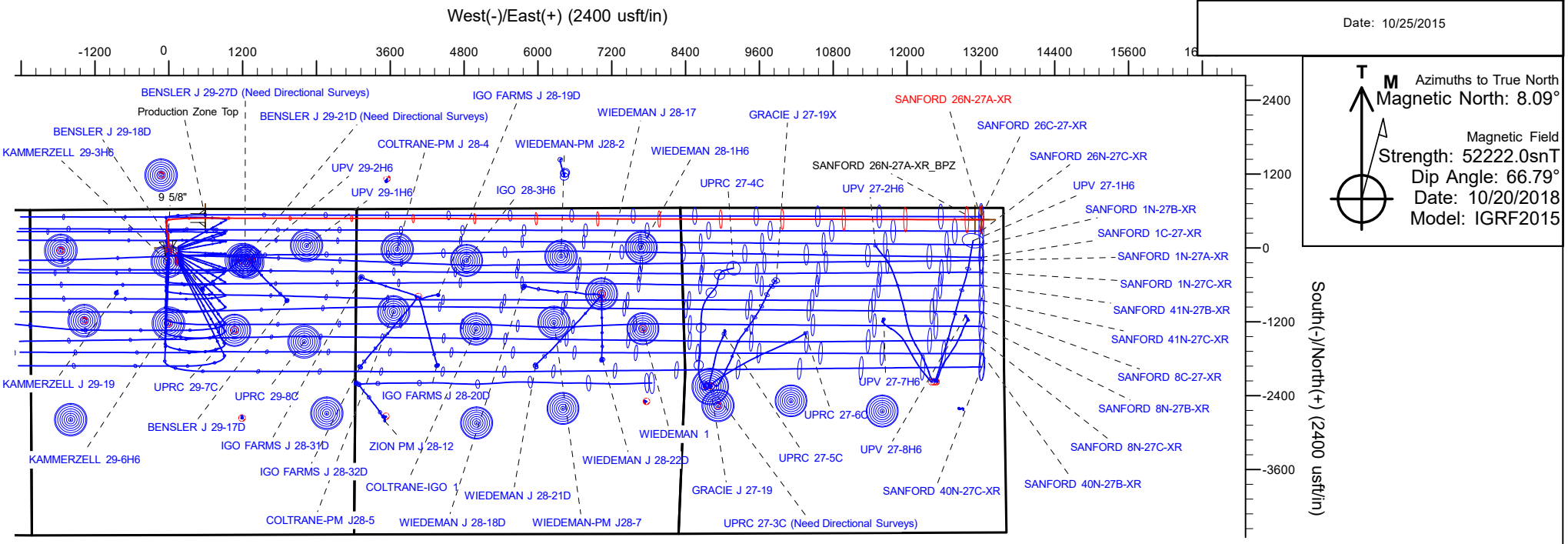
WELL DETAILS: SANFORD 26N-27A-XR

GL = 4905'

RKB = 4' @ 4909.00usft (RIG)

Plan: Design #1 (SANFORD 26N-27A-XR/Wellbore #1)

Date: 10/25/2015



Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well SANFORD 26N-27A-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 26N-27A-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 26N-27A-XR				
Well Position	**+N/-S**	-20.05 usft	**Northing:**	1,380,583.56 usft	**Latitude:**	40.376020
	+E/-W	0.00 usft	**Easting:**	3,193,655.14 usft	**Longitude:**	-104.804914
Position Uncertainty		3.28 usft	**Wellhead Elevation:**		**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	52,221.98252820

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	88.00	

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	1,800.00	20,033.71	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	
407.50	4.15	354.00	407.32	7.47	-0.79	2.00	2.00	0.00	354.00	
6,415.08	4.15	354.00	6,399.15	439.84	-46.23	0.00	0.00	0.00	0.00	
7,420.89	90.08	90.11	7,039.00	484.84	591.37	9.00	8.54	9.56	96.09	
20,033.71	90.08	90.11	7,021.00	460.37	13,204.14	0.00	0.00	0.00	0.00	SANFORD 26N-27A-:

Hewlett-Packard

Planning Report

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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 26N-27A-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	354.00	299.98	1.74	-0.18	-0.12	2.00	2.00	0.00
400.00	4.00	354.00	399.84	6.94	-0.73	-0.49	2.00	2.00	0.00
407.50	4.15	354.00	407.32	7.47	-0.79	-0.52	2.00	2.00	0.00
Hold Tangent @ 407.50ft									
500.00	4.15	354.00	499.58	14.13	-1.48	-0.99	0.00	0.00	0.00
600.00	4.15	354.00	599.31	21.32	-2.24	-1.50	0.00	0.00	0.00
700.00	4.15	354.00	699.05	28.52	-3.00	-2.00	0.00	0.00	0.00
800.00	4.15	354.00	798.79	35.72	-3.75	-2.51	0.00	0.00	0.00
900.00	4.15	354.00	898.53	42.92	-4.51	-3.01	0.00	0.00	0.00
1,000.00	4.15	354.00	998.27	50.11	-5.27	-3.52	0.00	0.00	0.00
1,100.00	4.15	354.00	1,098.00	57.31	-6.02	-4.02	0.00	0.00	0.00
1,200.00	4.15	354.00	1,197.74	64.51	-6.78	-4.53	0.00	0.00	0.00
1,300.00	4.15	354.00	1,297.48	71.70	-7.54	-5.03	0.00	0.00	0.00
1,400.00	4.15	354.00	1,397.22	78.90	-8.29	-5.54	0.00	0.00	0.00
1,500.00	4.15	354.00	1,496.95	86.10	-9.05	-6.04	0.00	0.00	0.00
1,600.00	4.15	354.00	1,596.69	93.30	-9.81	-6.55	0.00	0.00	0.00
1,700.00	4.15	354.00	1,696.43	100.49	-10.56	-7.05	0.00	0.00	0.00
1,800.00	4.15	354.00	1,796.17	107.69	-11.32	-7.56	0.00	0.00	0.00
1,803.84	4.15	354.00	1,800.00	107.97	-11.35	-7.58	0.00	0.00	0.00
9 5/8"									
1,900.00	4.15	354.00	1,895.91	114.89	-12.08	-8.06	0.00	0.00	0.00
2,000.00	4.15	354.00	1,995.64	122.08	-12.83	-8.57	0.00	0.00	0.00
2,100.00	4.15	354.00	2,095.38	129.28	-13.59	-9.08	0.00	0.00	0.00
2,200.00	4.15	354.00	2,195.12	136.48	-14.34	-9.58	0.00	0.00	0.00
2,300.00	4.15	354.00	2,294.86	143.68	-15.10	-10.09	0.00	0.00	0.00
2,400.00	4.15	354.00	2,394.59	150.87	-15.86	-10.59	0.00	0.00	0.00
2,500.00	4.15	354.00	2,494.33	158.07	-16.61	-11.10	0.00	0.00	0.00
2,600.00	4.15	354.00	2,594.07	165.27	-17.37	-11.60	0.00	0.00	0.00
2,700.00	4.15	354.00	2,693.81	172.46	-18.13	-12.11	0.00	0.00	0.00
2,800.00	4.15	354.00	2,793.55	179.66	-18.88	-12.61	0.00	0.00	0.00
2,900.00	4.15	354.00	2,893.28	186.86	-19.64	-13.12	0.00	0.00	0.00
3,000.00	4.15	354.00	2,993.02	194.06	-20.40	-13.62	0.00	0.00	0.00
3,100.00	4.15	354.00	3,092.76	201.25	-21.15	-14.13	0.00	0.00	0.00
3,200.00	4.15	354.00	3,192.50	208.45	-21.91	-14.63	0.00	0.00	0.00
3,300.00	4.15	354.00	3,292.23	215.65	-22.67	-15.14	0.00	0.00	0.00
3,400.00	4.15	354.00	3,391.97	222.84	-23.42	-15.64	0.00	0.00	0.00
3,500.00	4.15	354.00	3,491.71	230.04	-24.18	-16.15	0.00	0.00	0.00
3,600.00	4.15	354.00	3,591.45	237.24	-24.93	-16.65	0.00	0.00	0.00
3,700.00	4.15	354.00	3,691.19	244.44	-25.69	-17.16	0.00	0.00	0.00
3,800.00	4.15	354.00	3,790.92	251.63	-26.45	-17.66	0.00	0.00	0.00
3,900.00	4.15	354.00	3,890.66	258.83	-27.20	-18.17	0.00	0.00	0.00
4,000.00	4.15	354.00	3,990.40	266.03	-27.96	-18.67	0.00	0.00	0.00
4,100.00	4.15	354.00	4,090.14	273.22	-28.72	-19.18	0.00	0.00	0.00
4,200.00	4.15	354.00	4,189.87	280.42	-29.47	-19.68	0.00	0.00	0.00
4,300.00	4.15	354.00	4,289.61	287.62	-30.23	-20.19	0.00	0.00	0.00
4,400.00	4.15	354.00	4,389.35	294.82	-30.99	-20.69	0.00	0.00	0.00
4,500.00	4.15	354.00	4,489.09	302.01	-31.74	-21.20	0.00	0.00	0.00
4,600.00	4.15	354.00	4,588.83	309.21	-32.50	-21.71	0.00	0.00	0.00
4,700.00	4.15	354.00	4,688.56	316.41	-33.26	-22.21	0.00	0.00	0.00

Hewlett-Packard

Planning Report

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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 26N-27A-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)
4,800.00	4.15	354.00	4,788.30	323.60	-34.01	-22.72	0.00	0.00	0.00
4,900.00	4.15	354.00	4,888.04	330.80	-34.77	-23.22	0.00	0.00	0.00
5,000.00	4.15	354.00	4,987.78	338.00	-35.53	-23.73	0.00	0.00	0.00
5,100.00	4.15	354.00	5,087.52	345.20	-36.28	-24.23	0.00	0.00	0.00
5,200.00	4.15	354.00	5,187.25	352.39	-37.04	-24.74	0.00	0.00	0.00
5,300.00	4.15	354.00	5,286.99	359.59	-37.79	-25.24	0.00	0.00	0.00
5,400.00	4.15	354.00	5,386.73	366.79	-38.55	-25.75	0.00	0.00	0.00
5,500.00	4.15	354.00	5,486.47	373.98	-39.31	-26.25	0.00	0.00	0.00
5,600.00	4.15	354.00	5,586.20	381.18	-40.06	-26.76	0.00	0.00	0.00
5,700.00	4.15	354.00	5,685.94	388.38	-40.82	-27.26	0.00	0.00	0.00
5,800.00	4.15	354.00	5,785.68	395.58	-41.58	-27.77	0.00	0.00	0.00
5,900.00	4.15	354.00	5,885.42	402.77	-42.33	-28.27	0.00	0.00	0.00
6,000.00	4.15	354.00	5,985.16	409.97	-43.09	-28.78	0.00	0.00	0.00
6,100.00	4.15	354.00	6,084.89	417.17	-43.85	-29.28	0.00	0.00	0.00
6,200.00	4.15	354.00	6,184.63	424.36	-44.60	-29.79	0.00	0.00	0.00
6,300.00	4.15	354.00	6,284.37	431.56	-45.36	-30.29	0.00	0.00	0.00
6,400.00	4.15	354.00	6,384.11	438.76	-46.12	-30.80	0.00	0.00	0.00
6,415.08	4.15	354.00	6,399.15	439.84	-46.23	-30.88	0.00	0.00	0.00
KOP @ 6415.08ft :: DLS = 9°/100'									
6,500.00	8.29	60.44	6,483.64	445.93	-41.21	-25.65	9.00	4.88	78.24
6,600.00	16.71	76.20	6,581.20	452.93	-20.94	-5.15	9.00	8.41	15.75
6,700.00	25.52	81.41	6,674.41	459.59	14.39	30.39	9.00	8.81	5.22
6,800.00	34.42	84.06	6,760.96	465.75	63.89	80.08	9.00	8.90	2.65
6,900.00	43.36	85.72	6,838.72	471.24	126.37	142.71	9.00	8.94	1.66
7,000.00	52.32	86.91	6,905.77	475.94	200.27	216.73	9.00	8.96	1.19
7,100.00	61.28	87.84	6,960.47	479.74	283.77	300.31	9.00	8.97	0.93
7,200.00	70.26	88.62	7,001.47	482.53	374.82	391.41	9.00	8.97	0.78
7,300.00	79.23	89.32	7,027.76	484.25	471.18	487.77	9.00	8.97	0.70
7,400.00	88.21	89.98	7,038.69	484.85	570.48	587.03	9.00	8.98	0.66
7,420.89	90.08	90.11	7,039.00	484.84	591.37	607.90	9.00	8.98	0.65
End Build @ 7420.89ft - Production Zone Top									
7,500.00	90.08	90.11	7,038.89	484.68	670.48	686.96	0.00	0.00	0.00
7,600.00	90.08	90.11	7,038.75	484.49	770.47	786.89	0.00	0.00	0.00
7,700.00	90.08	90.11	7,038.60	484.29	870.47	886.82	0.00	0.00	0.00
7,800.00	90.08	90.11	7,038.46	484.10	970.47	986.75	0.00	0.00	0.00
7,900.00	90.08	90.11	7,038.32	483.91	1,070.47	1,086.69	0.00	0.00	0.00
8,000.00	90.08	90.11	7,038.18	483.71	1,170.47	1,186.62	0.00	0.00	0.00
8,100.00	90.08	90.11	7,038.03	483.52	1,270.47	1,286.55	0.00	0.00	0.00
8,200.00	90.08	90.11	7,037.89	483.32	1,370.47	1,386.48	0.00	0.00	0.00
8,300.00	90.08	90.11	7,037.75	483.13	1,470.47	1,486.41	0.00	0.00	0.00
8,400.00	90.08	90.11	7,037.61	482.94	1,570.47	1,586.35	0.00	0.00	0.00
8,500.00	90.08	90.11	7,037.46	482.74	1,670.47	1,686.28	0.00	0.00	0.00
8,600.00	90.08	90.11	7,037.32	482.55	1,770.47	1,786.21	0.00	0.00	0.00
8,700.00	90.08	90.11	7,037.18	482.35	1,870.47	1,886.14	0.00	0.00	0.00
8,800.00	90.08	90.11	7,037.03	482.16	1,970.47	1,986.08	0.00	0.00	0.00
8,900.00	90.08	90.11	7,036.89	481.97	2,070.47	2,086.01	0.00	0.00	0.00
9,000.00	90.08	90.11	7,036.75	481.77	2,170.47	2,185.94	0.00	0.00	0.00
9,100.00	90.08	90.11	7,036.61	481.58	2,270.47	2,285.87	0.00	0.00	0.00
9,200.00	90.08	90.11	7,036.46	481.38	2,370.47	2,385.80	0.00	0.00	0.00
9,300.00	90.08	90.11	7,036.32	481.19	2,470.47	2,485.74	0.00	0.00	0.00
9,400.00	90.08	90.11	7,036.18	481.00	2,570.47	2,585.67	0.00	0.00	0.00
9,500.00	90.08	90.11	7,036.04	480.80	2,670.47	2,685.60	0.00	0.00	0.00
9,600.00	90.08	90.11	7,035.89	480.61	2,770.47	2,785.53	0.00	0.00	0.00
9,700.00	90.08	90.11	7,035.75	480.41	2,870.47	2,885.47	0.00	0.00	0.00

Hewlett-Packard

Planning Report

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Well:	SANFORD 26N-27A-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	90.08	90.11	7,035.61	480.22	2,970.47	2,985.40	0.00	0.00	0.00
9,900.00	90.08	90.11	7,035.46	480.03	3,070.47	3,085.33	0.00	0.00	0.00
10,000.00	90.08	90.11	7,035.32	479.83	3,170.47	3,185.26	0.00	0.00	0.00
10,100.00	90.08	90.11	7,035.18	479.64	3,270.47	3,285.19	0.00	0.00	0.00
10,200.00	90.08	90.11	7,035.04	479.44	3,370.47	3,385.13	0.00	0.00	0.00
10,300.00	90.08	90.11	7,034.89	479.25	3,470.47	3,485.06	0.00	0.00	0.00
10,400.00	90.08	90.11	7,034.75	479.06	3,570.47	3,584.99	0.00	0.00	0.00
10,500.00	90.08	90.11	7,034.61	478.86	3,670.47	3,684.92	0.00	0.00	0.00
10,600.00	90.08	90.11	7,034.47	478.67	3,770.47	3,784.86	0.00	0.00	0.00
10,700.00	90.08	90.11	7,034.32	478.47	3,870.47	3,884.79	0.00	0.00	0.00
10,800.00	90.08	90.11	7,034.18	478.28	3,970.47	3,984.72	0.00	0.00	0.00
10,900.00	90.08	90.11	7,034.04	478.09	4,070.47	4,084.65	0.00	0.00	0.00
11,000.00	90.08	90.11	7,033.89	477.89	4,170.46	4,184.58	0.00	0.00	0.00
11,100.00	90.08	90.11	7,033.75	477.70	4,270.46	4,284.52	0.00	0.00	0.00
11,200.00	90.08	90.11	7,033.61	477.50	4,370.46	4,384.45	0.00	0.00	0.00
11,300.00	90.08	90.11	7,033.47	477.31	4,470.46	4,484.38	0.00	0.00	0.00
11,400.00	90.08	90.11	7,033.32	477.12	4,570.46	4,584.31	0.00	0.00	0.00
11,500.00	90.08	90.11	7,033.18	476.92	4,670.46	4,684.25	0.00	0.00	0.00
11,600.00	90.08	90.11	7,033.04	476.73	4,770.46	4,784.18	0.00	0.00	0.00
11,700.00	90.08	90.11	7,032.90	476.53	4,870.46	4,884.11	0.00	0.00	0.00
11,800.00	90.08	90.11	7,032.75	476.34	4,970.46	4,984.04	0.00	0.00	0.00
11,900.00	90.08	90.11	7,032.61	476.15	5,070.46	5,083.97	0.00	0.00	0.00
12,000.00	90.08	90.11	7,032.47	475.95	5,170.46	5,183.91	0.00	0.00	0.00
12,100.00	90.08	90.11	7,032.32	475.76	5,270.46	5,283.84	0.00	0.00	0.00
12,200.00	90.08	90.11	7,032.18	475.56	5,370.46	5,383.77	0.00	0.00	0.00
12,300.00	90.08	90.11	7,032.04	475.37	5,470.46	5,483.70	0.00	0.00	0.00
12,400.00	90.08	90.11	7,031.90	475.18	5,570.46	5,583.64	0.00	0.00	0.00
12,500.00	90.08	90.11	7,031.75	474.98	5,670.46	5,683.57	0.00	0.00	0.00
12,600.00	90.08	90.11	7,031.61	474.79	5,770.46	5,783.50	0.00	0.00	0.00
12,700.00	90.08	90.11	7,031.47	474.59	5,870.46	5,883.43	0.00	0.00	0.00
12,800.00	90.08	90.11	7,031.33	474.40	5,970.46	5,983.36	0.00	0.00	0.00
12,900.00	90.08	90.11	7,031.18	474.21	6,070.46	6,083.30	0.00	0.00	0.00
13,000.00	90.08	90.11	7,031.04	474.01	6,170.46	6,183.23	0.00	0.00	0.00
13,100.00	90.08	90.11	7,030.90	473.82	6,270.46	6,283.16	0.00	0.00	0.00
13,200.00	90.08	90.11	7,030.75	473.62	6,370.46	6,383.09	0.00	0.00	0.00
13,300.00	90.08	90.11	7,030.61	473.43	6,470.46	6,483.03	0.00	0.00	0.00
13,400.00	90.08	90.11	7,030.47	473.24	6,570.46	6,582.96	0.00	0.00	0.00
13,500.00	90.08	90.11	7,030.33	473.04	6,670.46	6,682.89	0.00	0.00	0.00
13,600.00	90.08	90.11	7,030.18	472.85	6,770.46	6,782.82	0.00	0.00	0.00
13,700.00	90.08	90.11	7,030.04	472.65	6,870.46	6,882.75	0.00	0.00	0.00
13,800.00	90.08	90.11	7,029.90	472.46	6,970.46	6,982.69	0.00	0.00	0.00
13,900.00	90.08	90.11	7,029.76	472.27	7,070.46	7,082.62	0.00	0.00	0.00
14,000.00	90.08	90.11	7,029.61	472.07	7,170.46	7,182.55	0.00	0.00	0.00
14,100.00	90.08	90.11	7,029.47	471.88	7,270.46	7,282.48	0.00	0.00	0.00
14,200.00	90.08	90.11	7,029.33	471.68	7,370.46	7,382.42	0.00	0.00	0.00
14,300.00	90.08	90.11	7,029.18	471.49	7,470.46	7,482.35	0.00	0.00	0.00
14,400.00	90.08	90.11	7,029.04	471.30	7,570.46	7,582.28	0.00	0.00	0.00
14,500.00	90.08	90.11	7,028.90	471.10	7,670.45	7,682.21	0.00	0.00	0.00
14,600.00	90.08	90.11	7,028.76	470.91	7,770.45	7,782.14	0.00	0.00	0.00
14,700.00	90.08	90.11	7,028.61	470.71	7,870.45	7,882.08	0.00	0.00	0.00
14,800.00	90.08	90.11	7,028.47	470.52	7,970.45	7,982.01	0.00	0.00	0.00
14,900.00	90.08	90.11	7,028.33	470.33	8,070.45	8,081.94	0.00	0.00	0.00
15,000.00	90.08	90.11	7,028.18	470.13	8,170.45	8,181.87	0.00	0.00	0.00
15,100.00	90.08	90.11	7,028.04	469.94	8,270.45	8,281.81	0.00	0.00	0.00

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Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well SANFORD 26N-27A-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 26N-27A-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)
15,200.00	90.08	90.11	7,027.90	469.74	8,370.45	8,381.74	0.00	0.00	0.00
15,300.00	90.08	90.11	7,027.76	469.55	8,470.45	8,481.67	0.00	0.00	0.00
15,400.00	90.08	90.11	7,027.61	469.36	8,570.45	8,581.60	0.00	0.00	0.00
15,500.00	90.08	90.11	7,027.47	469.16	8,670.45	8,681.53	0.00	0.00	0.00
15,600.00	90.08	90.11	7,027.33	468.97	8,770.45	8,781.47	0.00	0.00	0.00
15,700.00	90.08	90.11	7,027.19	468.77	8,870.45	8,881.40	0.00	0.00	0.00
15,800.00	90.08	90.11	7,027.04	468.58	8,970.45	8,981.33	0.00	0.00	0.00
15,900.00	90.08	90.11	7,026.90	468.39	9,070.45	9,081.26	0.00	0.00	0.00
16,000.00	90.08	90.11	7,026.76	468.19	9,170.45	9,181.20	0.00	0.00	0.00
16,100.00	90.08	90.11	7,026.61	468.00	9,270.45	9,281.13	0.00	0.00	0.00
16,200.00	90.08	90.11	7,026.47	467.80	9,370.45	9,381.06	0.00	0.00	0.00
16,300.00	90.08	90.11	7,026.33	467.61	9,470.45	9,480.99	0.00	0.00	0.00
16,400.00	90.08	90.11	7,026.19	467.42	9,570.45	9,580.92	0.00	0.00	0.00
16,500.00	90.08	90.11	7,026.04	467.22	9,670.45	9,680.86	0.00	0.00	0.00
16,600.00	90.08	90.11	7,025.90	467.03	9,770.45	9,780.79	0.00	0.00	0.00
16,700.00	90.08	90.11	7,025.76	466.83	9,870.45	9,880.72	0.00	0.00	0.00
16,800.00	90.08	90.11	7,025.62	466.64	9,970.45	9,980.65	0.00	0.00	0.00
16,900.00	90.08	90.11	7,025.47	466.45	10,070.45	10,080.59	0.00	0.00	0.00
17,000.00	90.08	90.11	7,025.33	466.25	10,170.45	10,180.52	0.00	0.00	0.00
17,100.00	90.08	90.11	7,025.19	466.06	10,270.45	10,280.45	0.00	0.00	0.00
17,200.00	90.08	90.11	7,025.04	465.86	10,370.45	10,380.38	0.00	0.00	0.00
17,300.00	90.08	90.11	7,024.90	465.67	10,470.45	10,480.31	0.00	0.00	0.00
17,400.00	90.08	90.11	7,024.76	465.48	10,570.45	10,580.25	0.00	0.00	0.00
17,500.00	90.08	90.11	7,024.62	465.28	10,670.45	10,680.18	0.00	0.00	0.00
17,600.00	90.08	90.11	7,024.47	465.09	10,770.45	10,780.11	0.00	0.00	0.00
17,700.00	90.08	90.11	7,024.33	464.89	10,870.45	10,880.04	0.00	0.00	0.00
17,800.00	90.08	90.11	7,024.19	464.70	10,970.45	10,979.98	0.00	0.00	0.00
17,900.00	90.08	90.11	7,024.05	464.51	11,070.45	11,079.91	0.00	0.00	0.00
18,000.00	90.08	90.11	7,023.90	464.31	11,170.44	11,179.84	0.00	0.00	0.00
18,100.00	90.08	90.11	7,023.76	464.12	11,270.44	11,279.77	0.00	0.00	0.00
18,200.00	90.08	90.11	7,023.62	463.92	11,370.44	11,379.70	0.00	0.00	0.00
18,300.00	90.08	90.11	7,023.47	463.73	11,470.44	11,479.64	0.00	0.00	0.00
18,400.00	90.08	90.11	7,023.33	463.54	11,570.44	11,579.57	0.00	0.00	0.00
18,500.00	90.08	90.11	7,023.19	463.34	11,670.44	11,679.50	0.00	0.00	0.00
18,600.00	90.08	90.11	7,023.05	463.15	11,770.44	11,779.43	0.00	0.00	0.00
18,700.00	90.08	90.11	7,022.90	462.95	11,870.44	11,879.37	0.00	0.00	0.00
18,800.00	90.08	90.11	7,022.76	462.76	11,970.44	11,979.30	0.00	0.00	0.00
18,900.00	90.08	90.11	7,022.62	462.57	12,070.44	12,079.23	0.00	0.00	0.00
19,000.00	90.08	90.11	7,022.48	462.37	12,170.44	12,179.16	0.00	0.00	0.00
19,100.00	90.08	90.11	7,022.33	462.18	12,270.44	12,279.09	0.00	0.00	0.00
19,200.00	90.08	90.11	7,022.19	461.98	12,370.44	12,379.03	0.00	0.00	0.00
19,300.00	90.08	90.11	7,022.05	461.79	12,470.44	12,478.96	0.00	0.00	0.00
19,400.00	90.08	90.11	7,021.90	461.60	12,570.44	12,578.89	0.00	0.00	0.00
19,500.00	90.08	90.11	7,021.76	461.40	12,670.44	12,678.82	0.00	0.00	0.00
19,600.00	90.08	90.11	7,021.62	461.21	12,770.44	12,778.76	0.00	0.00	0.00
19,700.00	90.08	90.11	7,021.48	461.01	12,870.44	12,878.69	0.00	0.00	0.00
19,800.00	90.08	90.11	7,021.33	460.82	12,970.44	12,978.62	0.00	0.00	0.00
19,900.00	90.08	90.11	7,021.19	460.63	13,070.44	13,078.55	0.00	0.00	0.00
20,000.00	90.08	90.11	7,021.05	460.43	13,170.44	13,178.48	0.00	0.00	0.00
20,033.71	90.08	90.11	7,021.00	460.37	13,204.14	13,212.17	0.00	0.00	0.00

TD Well @ 20033.71ft

Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well SANFORD 26N-27A-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 26N-27A-XR	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,803.84	1,800.00	9 5/8"	9-5/8	13-1/2
7,420.89	7,039.00	Production Zone Top	5-1/2	8-1/2

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
200.00	200.00	0.00	0.00	Begin Nudge @ 200.00ft
407.50	407.32	7.47	-0.79	Hold Tangent @ 407.50ft
6,415.08	6,399.15	439.84	-46.23	KOP @ 6415.08ft :: DLS = 9°/100'
7,420.89	7,039.00	484.84	591.37	End Build @ 7420.89ft
20,033.71	7,021.00	460.37	13,204.14	TD Well @ 20033.71ft