

Great Western

Well Name: **Kodak North FD 27-182HN**

Surface Location: Kodak North Pad Sec.26-T6N-R67W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4760.1

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1410594.13	3177206.33	40.458736	-104.863178	
RKB - 16.5' WELL @ 4776.6ft (RKB - 16.5')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2353'FNL & 1999'FWL, Sec.26	1.0	0.0	0.0	Point
BHL 2639'FNL & 470'FWL, Sec. 27	6930.6	-296.7	-6755.3	Point
Entry Pt. 2639'FNL & 1825'FWL, Sec. 26	6930.6	-286.3	-173.1	Point



Azimuths to True North
Magnetic North: 8.59°

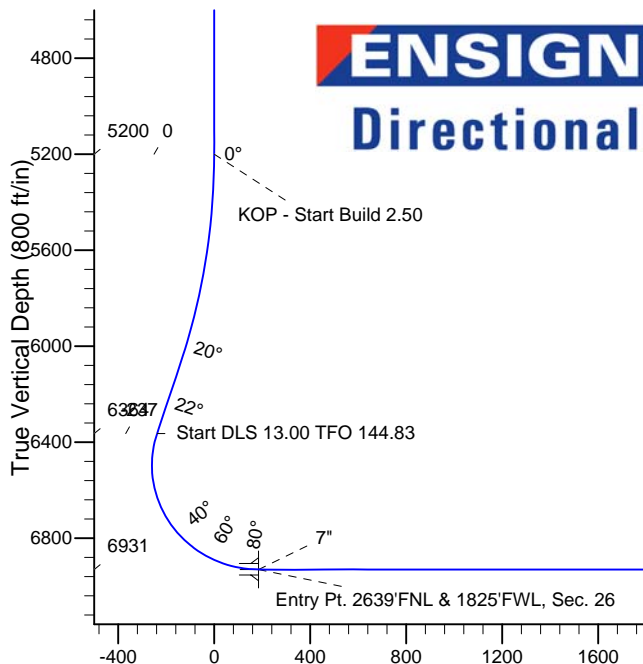
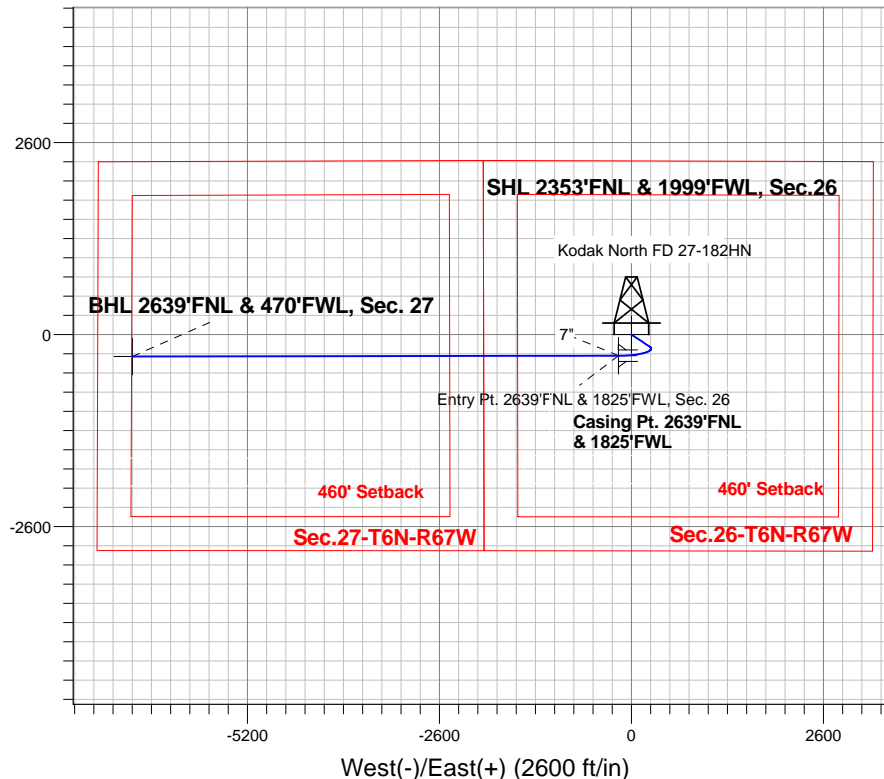
Magnetic Field
Strength: 52895.5nT
Dip Angle: 67.00°
Date: 11/21/2013
Model: IGRF2010

Kodak North Pad Sec.26-T6N-R67W
Kodak North FD 27-182HN
Plan #1 (11-21-13)
13:39, November 22 2013

ANNOTATIONS

TVD	MD	Annotation
5200.0	5200.0	KOP - Start Build 2.50
6364.1	6410.1	Start DLS 13.00 TFO 144.83
6930.6	13826.9	TD at 13826.9

South(-)/North(+) (2600 ft/in)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5200.0	0.00	0.00	5200.0	0.0	0.0	0.00	0.00	0.0	
3	6090.2	22.25	123.03	6068.0	-93.0	143.1	2.50	123.03	-138.9	
4	6410.1	22.25	123.03	6364.0	-159.1	244.7	0.00	0.00	-237.5	
5	7244.7	90.00	269.92	6930.6	-286.3	-173.1	13.00	144.83	185.5	Entry Pt. 2639'FNL & 1825'FWL, Sec. 26
6	7245.7	90.00	269.91	6930.6	-286.3	-174.1	1.00	-90.00	186.5	
7	13826.9	90.00	269.91	6930.6	-296.7	-6755.3	0.00	0.00	6761.8	BHL 2639'FNL & 470'FWL, Sec. 27

BHL 2639'FNL & 470'FWL, Sec. 27

Vertical Section at 267.49° (800 ft/in)



Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-182HN

Wellbore #1

Plan: Plan #1 (11-21-13)

Standard Planning Report

22 November, 2013

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,090.2	22.25	123.03	6,068.0	-93.0	143.1	2.50	2.50	0.00	123.03	
6,410.1	22.25	123.03	6,364.0	-159.1	244.7	0.00	0.00	0.00	0.00	
7,244.7	90.00	269.92	6,930.6	-286.3	-173.1	13.00	8.12	17.60	144.83	Entry Pt. 2639'FNL
7,245.7	90.00	269.91	6,930.6	-286.3	-174.1	1.00	0.00	-1.00	-90.00	
13,826.9	90.00	269.91	6,930.6	-296.7	-6,755.3	0.00	0.00	0.00	0.00	BHL 2639'FNL & 47

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Company:	Great Western	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Project:	SEC.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 2353'FNL & 1999'FWL, Sec.26									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Company:	Great Western	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Project:	SEC.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

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)
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.50									
5,300.0	2.50	123.03	5,300.0	-1.2	1.8	-1.8	2.50	2.50	0.00
5,400.0	5.00	123.03	5,399.7	-4.8	7.3	-7.1	2.50	2.50	0.00
5,500.0	7.50	123.03	5,499.1	-10.7	16.4	-16.0	2.50	2.50	0.00
5,600.0	10.00	123.03	5,598.0	-19.0	29.2	-28.3	2.50	2.50	0.00
5,700.0	12.50	123.03	5,696.0	-29.6	45.5	-44.2	2.50	2.50	0.00
5,800.0	15.00	123.03	5,793.2	-42.6	65.5	-63.5	2.50	2.50	0.00
5,900.0	17.50	123.03	5,889.2	-57.8	88.9	-86.3	2.50	2.50	0.00
6,000.0	20.00	123.03	5,983.9	-75.3	115.9	-112.5	2.50	2.50	0.00
6,090.2	22.25	123.03	6,068.0	-93.0	143.1	-138.9	2.50	2.50	0.00
6,100.0	22.25	123.03	6,077.1	-95.1	146.2	-141.9	0.00	0.00	0.00
6,200.0	22.25	123.03	6,169.6	-115.7	178.0	-172.8	0.00	0.00	0.00
6,300.0	22.25	123.03	6,262.2	-136.4	209.8	-203.6	0.00	0.00	0.00
6,400.0	22.25	123.03	6,354.7	-157.0	241.5	-234.4	0.00	0.00	0.00
6,410.1	22.25	123.03	6,364.1	-159.1	244.7	-237.5	0.00	0.00	0.00
Start DLS 13.00 TFO 144.83									
6,500.0	14.29	151.24	6,449.5	-178.2	264.4	-256.3	13.00	-8.86	31.38
6,600.0	14.02	206.38	6,546.9	-199.9	265.0	-255.9	13.00	-0.28	55.14
6,700.0	22.83	237.85	6,641.9	-221.2	243.1	-233.1	13.00	8.81	31.47
6,800.0	34.32	250.81	6,729.6	-240.9	199.8	-189.1	13.00	11.49	12.96
6,900.0	46.55	257.70	6,805.7	-257.9	137.5	-126.0	13.00	12.23	6.88
7,000.0	59.05	262.22	6,866.0	-271.5	59.2	-47.2	13.00	12.50	4.52
7,100.0	71.66	265.67	6,907.6	-281.0	-31.0	43.3	13.00	12.62	3.46
7,200.0	84.34	268.65	6,928.4	-285.7	-128.5	140.9	13.00	12.67	2.98
7,244.7	89.99	269.92	6,930.6	-286.3	-173.1	185.5	12.99	12.67	2.84
7" - Entry Pt. 2639'FNL & 1825'FWL, Sec. 26									
7,245.7	90.00	269.91	6,930.6	-286.3	-174.1	186.5	1.05	0.59	-0.87
7,300.0	90.00	269.91	6,930.6	-286.4	-228.4	240.8	0.00	0.00	0.00
7,400.0	90.00	269.91	6,930.6	-286.5	-328.4	340.7	0.00	0.00	0.00
7,500.0	90.00	269.91	6,930.6	-286.7	-428.4	440.6	0.00	0.00	0.00
7,600.0	90.00	269.91	6,930.6	-286.9	-528.4	540.5	0.00	0.00	0.00
7,700.0	90.00	269.91	6,930.6	-287.0	-628.4	640.4	0.00	0.00	0.00
7,800.0	90.00	269.91	6,930.6	-287.2	-728.4	740.3	0.00	0.00	0.00
7,900.0	90.00	269.91	6,930.6	-287.3	-828.4	840.2	0.00	0.00	0.00
8,000.0	90.00	269.91	6,930.6	-287.5	-928.4	940.2	0.00	0.00	0.00
8,100.0	90.00	269.91	6,930.6	-287.6	-1,028.4	1,040.1	0.00	0.00	0.00
8,200.0	90.00	269.91	6,930.6	-287.8	-1,128.4	1,140.0	0.00	0.00	0.00
8,300.0	90.00	269.91	6,930.6	-288.0	-1,228.4	1,239.9	0.00	0.00	0.00
8,400.0	90.00	269.91	6,930.6	-288.1	-1,328.4	1,339.8	0.00	0.00	0.00
8,500.0	90.00	269.91	6,930.6	-288.3	-1,428.4	1,439.7	0.00	0.00	0.00
8,600.0	90.00	269.91	6,930.6	-288.4	-1,528.4	1,539.6	0.00	0.00	0.00
8,700.0	90.00	269.91	6,930.6	-288.6	-1,628.4	1,639.5	0.00	0.00	0.00
8,800.0	90.00	269.91	6,930.6	-288.7	-1,728.4	1,739.4	0.00	0.00	0.00
8,900.0	90.00	269.91	6,930.6	-288.9	-1,828.4	1,839.4	0.00	0.00	0.00
9,000.0	90.00	269.91	6,930.6	-289.1	-1,928.4	1,939.3	0.00	0.00	0.00
9,100.0	90.00	269.91	6,930.6	-289.2	-2,028.4	2,039.2	0.00	0.00	0.00
9,200.0	90.00	269.91	6,930.6	-289.4	-2,128.4	2,139.1	0.00	0.00	0.00
9,300.0	90.00	269.91	6,930.6	-289.5	-2,228.4	2,239.0	0.00	0.00	0.00
9,400.0	90.00	269.91	6,930.6	-289.7	-2,328.4	2,338.9	0.00	0.00	0.00
9,500.0	90.00	269.91	6,930.6	-289.8	-2,428.4	2,438.8	0.00	0.00	0.00
9,600.0	90.00	269.91	6,930.6	-290.0	-2,528.4	2,538.7	0.00	0.00	0.00
9,700.0	90.00	269.91	6,930.6	-290.2	-2,628.4	2,638.6	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Company:	Great Western	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Project:	SEC.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

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)	
9,800.0	90.00	269.91	6,930.6	-290.3	-2,728.4	2,738.5	0.00	0.00	0.00	
9,900.0	90.00	269.91	6,930.6	-290.5	-2,828.4	2,838.5	0.00	0.00	0.00	
10,000.0	90.00	269.91	6,930.6	-290.6	-2,928.4	2,938.4	0.00	0.00	0.00	
10,100.0	90.00	269.91	6,930.6	-290.8	-3,028.4	3,038.3	0.00	0.00	0.00	
10,200.0	90.00	269.91	6,930.6	-291.0	-3,128.4	3,138.2	0.00	0.00	0.00	
10,300.0	90.00	269.91	6,930.6	-291.1	-3,228.4	3,238.1	0.00	0.00	0.00	
10,400.0	90.00	269.91	6,930.6	-291.3	-3,328.4	3,338.0	0.00	0.00	0.00	
10,500.0	90.00	269.91	6,930.6	-291.4	-3,428.4	3,437.9	0.00	0.00	0.00	
10,600.0	90.00	269.91	6,930.6	-291.6	-3,528.4	3,537.8	0.00	0.00	0.00	
10,700.0	90.00	269.91	6,930.6	-291.7	-3,628.4	3,637.7	0.00	0.00	0.00	
10,800.0	90.00	269.91	6,930.6	-291.9	-3,728.4	3,737.7	0.00	0.00	0.00	
10,900.0	90.00	269.91	6,930.6	-292.1	-3,828.4	3,837.6	0.00	0.00	0.00	
11,000.0	90.00	269.91	6,930.6	-292.2	-3,928.4	3,937.5	0.00	0.00	0.00	
11,100.0	90.00	269.91	6,930.6	-292.4	-4,028.4	4,037.4	0.00	0.00	0.00	
11,200.0	90.00	269.91	6,930.6	-292.5	-4,128.4	4,137.3	0.00	0.00	0.00	
11,300.0	90.00	269.91	6,930.6	-292.7	-4,228.4	4,237.2	0.00	0.00	0.00	
11,400.0	90.00	269.91	6,930.6	-292.8	-4,328.4	4,337.1	0.00	0.00	0.00	
11,500.0	90.00	269.91	6,930.6	-293.0	-4,428.4	4,437.0	0.00	0.00	0.00	
11,600.0	90.00	269.91	6,930.6	-293.2	-4,528.4	4,536.9	0.00	0.00	0.00	
11,700.0	90.00	269.91	6,930.6	-293.3	-4,628.4	4,636.8	0.00	0.00	0.00	
11,800.0	90.00	269.91	6,930.6	-293.5	-4,728.4	4,736.8	0.00	0.00	0.00	
11,900.0	90.00	269.91	6,930.6	-293.6	-4,828.4	4,836.7	0.00	0.00	0.00	
12,000.0	90.00	269.91	6,930.6	-293.8	-4,928.4	4,936.6	0.00	0.00	0.00	
12,100.0	90.00	269.91	6,930.6	-293.9	-5,028.4	5,036.5	0.00	0.00	0.00	
12,200.0	90.00	269.91	6,930.6	-294.1	-5,128.4	5,136.4	0.00	0.00	0.00	
12,300.0	90.00	269.91	6,930.6	-294.3	-5,228.4	5,236.3	0.00	0.00	0.00	
12,400.0	90.00	269.91	6,930.6	-294.4	-5,328.4	5,336.2	0.00	0.00	0.00	
12,500.0	90.00	269.91	6,930.6	-294.6	-5,428.4	5,436.1	0.00	0.00	0.00	
12,600.0	90.00	269.91	6,930.6	-294.7	-5,528.4	5,536.0	0.00	0.00	0.00	
12,700.0	90.00	269.91	6,930.6	-294.9	-5,628.4	5,636.0	0.00	0.00	0.00	
12,800.0	90.00	269.91	6,930.6	-295.0	-5,728.4	5,735.9	0.00	0.00	0.00	
12,900.0	90.00	269.91	6,930.6	-295.2	-5,828.4	5,835.8	0.00	0.00	0.00	
13,000.0	90.00	269.91	6,930.6	-295.4	-5,928.4	5,935.7	0.00	0.00	0.00	
13,100.0	90.00	269.91	6,930.6	-295.5	-6,028.4	6,035.6	0.00	0.00	0.00	
13,200.0	90.00	269.91	6,930.6	-295.7	-6,128.4	6,135.5	0.00	0.00	0.00	
13,300.0	90.00	269.91	6,930.6	-295.8	-6,228.4	6,235.4	0.00	0.00	0.00	
13,400.0	90.00	269.91	6,930.6	-296.0	-6,328.4	6,335.3	0.00	0.00	0.00	
13,500.0	90.00	269.91	6,930.6	-296.1	-6,428.4	6,435.2	0.00	0.00	0.00	
13,600.0	90.00	269.91	6,930.6	-296.3	-6,528.4	6,535.1	0.00	0.00	0.00	
13,700.0	90.00	269.91	6,930.6	-296.5	-6,628.4	6,635.1	0.00	0.00	0.00	
13,800.0	90.00	269.91	6,930.6	-296.6	-6,728.4	6,735.0	0.00	0.00	0.00	
13,826.9	90.00	269.91	6,930.6	-296.7	-6,755.3	6,761.8	0.00	0.00	0.00	
BHL 2639'FNL & 470'FWL, Sec. 27										

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Company:	Great Western	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Project:	SEC.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL 2639'FNL & 470' - plan hits target center - Point	0.00	0.00	6,930.6	-296.7	-6,755.3	1,410,248.97	3,170,453.57	40.457919	-104.887453
Entry Pt. 2639'FNL & - plan hits target center - Point	0.00	0.00	6,930.6	-286.3	-173.1	1,410,306.61	3,177,035.31	40.457950	-104.863800
SHL 2353'FNL & 199' - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,410,594.15	3,177,206.33	40.458736	-104.863178

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,244.7	6,930.6	7"	7	7-1/2	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,200.0	5,200.0	0.0	0.0	KOP - Start Build 2.50
6,410.1	6,364.1	-159.1	244.7	Start DLS 13.00 TFO 144.83
13,826.9	6,930.6	-296.7	-6,755.3	TD at 13826.9



Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-182HN

Wellbore #1

Plan #1 (11-21-13)

Anticollision Report

22 November, 2013

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (11-21-13)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/22/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	13,826.9	Plan #1 (11-21-13) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Kodak North Pad Sec.26-T6N-R67W						
Kodak North FD 25-122HN - Wellbore #1 - Plan #1 (11-2	5,200.0	5,200.0	89.6	66.5	3.871	CC, ES, SF
Kodak North FD 25-162HN - Wellbore #1 - Plan #1 (11-2	5,200.0	5,200.0	119.7	96.5	5.169	CC, ES, SF
Kodak North FD 27-179HC - Wellbore #1 - Plan #1 (11-2	5,200.0	5,200.0	30.1	6.9	1.298	Level 3, CC, ES
Kodak North FD 27-179HC - Wellbore #1 - Plan #1 (11-2	13,826.9	13,973.8	350.4	16.2	1.048	Level 2, SF
Kodak North FD 27-179HN - Wellbore #1 - Plan #1 (11-2	5,200.0	5,200.0	60.1	37.0	2.596	CC, ES
Kodak North FD 27-179HN - Wellbore #1 - Plan #1 (11-2	13,826.9	13,846.6	479.8	90.6	1.233	Level 2, SF

Offset Design		Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-122HN - Wellbore #1 - Plan #1 (11-21-13)										Offset Site Error:		0.0 ft			
Survey Program: 0-MWD														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-89.6	89.6								
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-89.6	89.6	89.4	0.22	398.664					
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-89.6	89.6	88.9	0.67	132.888					
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-89.6	89.6	88.5	1.12	79.733					
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-89.6	89.6	88.0	1.57	56.952					
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-89.6	89.6	87.6	2.02	44.296					
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-89.6	89.6	87.1	2.47	36.242					
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-89.6	89.6	86.7	2.92	30.666					
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-89.6	89.6	86.2	3.37	26.578					
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-89.6	89.6	85.8	3.82	23.451					
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-89.6	89.6	85.3	4.27	20.982					
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-89.6	89.6	84.9	4.72	18.984					
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-89.6	89.6	84.4	5.17	17.333					
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.98	0.0	-89.6	89.6	84.0	5.62	15.947					
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.98	0.0	-89.6	89.6	83.5	6.07	14.765					
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.98	0.0	-89.6	89.6	83.1	6.52	13.747					
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.98	0.0	-89.6	89.6	82.6	6.97	12.860					
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.98	0.0	-89.6	89.6	82.2	7.42	12.081					
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.98	0.0	-89.6	89.6	81.7	7.87	11.390					
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.98	0.0	-89.6	89.6	81.3	8.32	10.775					
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.98	0.0	-89.6	89.6	80.8	8.77	10.222					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.98	0.0	-89.6	89.6	80.4	9.22	9.724		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.98	0.0	-89.6	89.6	79.9	9.66	9.271		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.98	0.0	-89.6	89.6	79.5	10.11	8.859		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.98	0.0	-89.6	89.6	79.0	10.56	8.482		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.98	0.0	-89.6	89.6	78.6	11.01	8.136		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.98	0.0	-89.6	89.6	78.1	11.46	7.817		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.98	0.0	-89.6	89.6	77.7	11.91	7.522		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.98	0.0	-89.6	89.6	77.2	12.36	7.248		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.98	0.0	-89.6	89.6	76.8	12.81	6.994		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.98	0.0	-89.6	89.6	76.3	13.26	6.757		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.98	0.0	-89.6	89.6	75.9	13.71	6.535		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.98	0.0	-89.6	89.6	75.4	14.16	6.328		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.98	0.0	-89.6	89.6	75.0	14.61	6.133		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.98	0.0	-89.6	89.6	74.5	15.06	5.950		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.98	0.0	-89.6	89.6	74.1	15.51	5.778		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.98	0.0	-89.6	89.6	73.6	15.96	5.615		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.98	0.0	-89.6	89.6	73.2	16.41	5.461		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.98	0.0	-89.6	89.6	72.7	16.86	5.316		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.98	0.0	-89.6	89.6	72.3	17.31	5.177		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.98	0.0	-89.6	89.6	71.8	17.76	5.046		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.98	0.0	-89.6	89.6	71.4	18.21	4.922		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.98	0.0	-89.6	89.6	71.0	18.66	4.803		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.98	0.0	-89.6	89.6	70.5	19.11	4.690		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-89.98	0.0	-89.6	89.6	70.1	19.55	4.582		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-89.98	0.0	-89.6	89.6	69.6	20.00	4.479		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-89.98	0.0	-89.6	89.6	69.2	20.45	4.381		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-89.98	0.0	-89.6	89.6	68.7	20.90	4.287		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	-89.98	0.0	-89.6	89.6	68.3	21.35	4.196		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	-89.98	0.0	-89.6	89.6	67.8	21.80	4.110		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	-89.98	0.0	-89.6	89.6	67.4	22.25	4.027		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	-89.98	0.0	-89.6	89.6	66.9	22.70	3.947		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	-89.98	0.0	-89.6	89.6	66.5	23.15	3.871 CC, ES, SF		
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	147.72	0.0	-89.6	91.4	67.9	23.56	3.881		
5,400.0	5,399.7	5,399.7	5,399.7	12.0	12.0	149.71	0.0	-89.6	97.0	73.1	23.93	4.056		
5,500.0	5,499.1	5,490.1	5,489.9	12.2	12.2	154.03	3.7	-92.9	110.7	86.4	24.23	4.568		
5,600.0	5,598.0	5,575.1	5,573.7	12.4	12.4	160.21	14.0	-102.0	137.4	112.9	24.46	5.616		
5,700.0	5,696.0	5,650.0	5,646.1	12.6	12.6	165.65	28.4	-114.7	177.6	153.0	24.63	7.209		
5,800.0	5,793.2	5,720.2	5,712.1	12.8	12.8	170.08	46.4	-130.6	230.0	205.3	24.75	9.293		
5,900.0	5,889.2	5,778.9	5,765.5	13.1	12.9	173.15	64.6	-146.7	292.9	268.1	24.81	11.807		
6,000.0	5,983.9	5,828.6	5,809.3	13.4	13.1	175.35	82.2	-162.3	364.2	339.4	24.81	14.682		
6,100.0	6,077.1	5,887.4	5,859.9	13.7	13.3	177.58	104.6	-182.1	441.4	416.6	24.81	17.789		
6,200.0	6,169.6	5,948.5	5,912.5	14.1	13.6	179.42	127.9	-202.7	520.0	494.8	25.11	20.704		
6,300.0	6,262.2	6,009.6	5,965.1	14.6	13.9	-179.21	151.2	-223.3	598.7	573.3	25.42	23.555		
6,400.0	6,354.7	6,070.6	6,017.6	15.0	14.2	-178.16	174.5	-243.9	677.6	651.8	25.74	26.324		
6,500.0	6,449.5	6,136.5	6,074.3	15.4	14.6	149.22	199.6	-266.1	751.6	724.4	27.20	27.631		
6,600.0	6,546.9	6,211.8	6,139.1	15.6	15.0	92.79	228.3	-291.5	812.0	783.9	28.06	28.934		
6,700.0	6,641.9	7,550.8	6,922.6	15.8	22.7	125.93	584.0	234.7	852.8	816.1	36.68	23.249		
6,800.0	6,729.6	7,507.4	6,922.6	15.9	21.9	112.64	583.6	191.3	846.8	810.7	36.10	23.454		
6,816.2	6,742.9	7,498.5	6,922.6	15.9	21.7	111.03	583.5	182.4	846.7	810.7	36.01	23.509		
6,900.0	6,805.7	7,444.9	6,922.6	15.9	20.8	103.80	582.9	128.7	849.0	813.4	35.58	23.859		
7,000.0	6,866.0	7,366.4	6,922.6	16.1	19.5	96.97	582.1	50.3	855.6	820.5	35.13	24.353		
7,100.0	6,907.6	7,027.7	6,825.2	16.7	18.5	81.02	535.4	-262.3	852.4	819.7	32.78	26.007		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-122HN - Wellbore #1 - Plan #1 (11-21-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,200.0	6,928.4	6,877.1	6,719.7	17.8	18.3	73.64	487.2	-357.1	832.6	799.6	33.00	25.233	
7,300.0	6,930.6	6,801.4	6,657.0	19.2	18.2	69.85	458.9	-388.5	809.8	776.1	33.77	23.978	
7,400.0	6,930.6	6,761.7	6,622.4	20.9	18.1	67.11	443.3	-400.1	795.5	760.7	34.77	22.875	
7,474.8	6,930.6	6,743.3	6,606.0	22.3	18.1	65.81	435.9	-404.4	792.1	756.3	35.77	22.143	
7,500.0	6,930.6	6,738.3	6,601.6	22.8	18.0	65.46	433.9	-405.4	792.5	756.4	36.12	21.939	
7,600.0	6,930.6	6,725.0	6,589.7	24.9	18.0	64.51	428.6	-407.8	801.6	763.9	37.75	21.233	
7,700.0	6,930.6	6,712.1	6,578.1	27.1	18.0	63.60	423.3	-409.8	822.6	783.1	39.48	20.838	
7,800.0	6,930.6	6,700.0	6,567.1	29.4	17.9	62.73	418.4	-411.3	854.7	813.5	41.27	20.708	
7,900.0	6,930.6	6,700.0	6,567.1	31.7	17.9	62.73	418.4	-411.3	896.8	853.4	43.41	20.659	
8,000.0	6,930.6	6,693.0	6,560.7	34.2	17.9	62.22	415.6	-412.1	947.5	902.1	45.42	20.862	

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-119.7	119.7					
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-119.7	119.7	119.4	0.22	532.377		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-119.7	119.7	119.0	0.67	177.459		
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-119.7	119.7	118.5	1.12	106.475		
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-119.7	119.7	118.1	1.57	76.054		
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-119.7	119.7	117.6	2.02	59.153		
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-119.7	119.7	117.2	2.47	48.398		
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-119.7	119.7	116.7	2.92	40.952		
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-119.7	119.7	116.3	3.37	35.492		
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-119.7	119.7	115.8	3.82	31.316		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-119.7	119.7	115.4	4.27	28.020		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-119.7	119.7	114.9	4.72	25.351		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-119.7	119.7	114.5	5.17	23.147		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.98	0.0	-119.7	119.7	114.0	5.62	21.295		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.98	0.0	-119.7	119.7	113.6	6.07	19.718		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.98	0.0	-119.7	119.7	113.1	6.52	18.358		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.98	0.0	-119.7	119.7	112.7	6.97	17.173		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.98	0.0	-119.7	119.7	112.2	7.42	16.133		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.98	0.0	-119.7	119.7	111.8	7.87	15.211		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.98	0.0	-119.7	119.7	111.3	8.32	14.389		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.98	0.0	-119.7	119.7	110.9	8.77	13.651		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.98	0.0	-119.7	119.7	110.4	9.22	12.985		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.98	0.0	-119.7	119.7	110.0	9.66	12.381		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.98	0.0	-119.7	119.7	109.5	10.11	11.831		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.98	0.0	-119.7	119.7	109.1	10.56	11.327		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.98	0.0	-119.7	119.7	108.6	11.01	10.865		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.98	0.0	-119.7	119.7	108.2	11.46	10.439		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.98	0.0	-119.7	119.7	107.7	11.91	10.045		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.98	0.0	-119.7	119.7	107.3	12.36	9.680		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.98	0.0	-119.7	119.7	106.8	12.81	9.340		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.98	0.0	-119.7	119.7	106.4	13.26	9.023		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.98	0.0	-119.7	119.7	105.9	13.71	8.727		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.98	0.0	-119.7	119.7	105.5	14.16	8.450		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.98	0.0	-119.7	119.7	105.1	14.61	8.190		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.98	0.0	-119.7	119.7	104.6	15.06	7.946		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.98	0.0	-119.7	119.7	104.2	15.51	7.716		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.98	0.0	-119.7	119.7	103.7	15.96	7.498		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.98	0.0	-119.7	119.7	103.3	16.41	7.293		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.98	0.0	-119.7	119.7	102.8	16.86	7.098		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.98	0.0	-119.7	119.7	102.4	17.31	6.914		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.98	0.0	-119.7	119.7	101.9	17.76	6.739		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.98	0.0	-119.7	119.7	101.5	18.21	6.573		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.98	0.0	-119.7	119.7	101.0	18.66	6.414		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.98	0.0	-119.7	119.7	100.6	19.11	6.263		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-89.98	0.0	-119.7	119.7	100.1	19.55	6.119		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-89.98	0.0	-119.7	119.7	99.7	20.00	5.982		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-89.98	0.0	-119.7	119.7	99.2	20.45	5.850		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-89.98	0.0	-119.7	119.7	98.8	20.90	5.724		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	-89.98	0.0	-119.7	119.7	98.3	21.35	5.604		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	-89.98	0.0	-119.7	119.7	97.9	21.80	5.488		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	-89.98	0.0	-119.7	119.7	97.4	22.25	5.378		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	-89.98	0.0	-119.7	119.7	97.0	22.70	5.271		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-30.1	30.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-30.1	30.1	29.8	0.22	133.713		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-30.1	30.1	29.4	0.67	44.571		
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-30.1	30.1	28.9	1.12	26.743		
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-30.1	30.1	28.5	1.57	19.102		
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-30.1	30.1	28.0	2.02	14.857		
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-30.1	30.1	27.6	2.47	12.156		
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-30.1	30.1	27.1	2.92	10.286		
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-30.1	30.1	26.7	3.37	8.914		
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-30.1	30.1	26.2	3.82	7.865		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-30.1	30.1	25.8	4.27	7.038		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-30.1	30.1	25.3	4.72	6.367		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-30.1	30.1	24.9	5.17	5.814		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.98	0.0	-30.1	30.1	24.4	5.62	5.349		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.98	0.0	-30.1	30.1	24.0	6.07	4.952		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.98	0.0	-30.1	30.1	23.5	6.52	4.611		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.98	0.0	-30.1	30.1	23.1	6.97	4.313		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.98	0.0	-30.1	30.1	22.6	7.42	4.052		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.98	0.0	-30.1	30.1	22.2	7.87	3.820		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.98	0.0	-30.1	30.1	21.7	8.32	3.614		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.98	0.0	-30.1	30.1	21.3	8.77	3.429		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.98	0.0	-30.1	30.1	20.8	9.22	3.261		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.98	0.0	-30.1	30.1	20.4	9.66	3.110		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.98	0.0	-30.1	30.1	19.9	10.11	2.971		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.98	0.0	-30.1	30.1	19.5	10.56	2.845		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.98	0.0	-30.1	30.1	19.0	11.01	2.729		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.98	0.0	-30.1	30.1	18.6	11.46	2.622		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.98	0.0	-30.1	30.1	18.1	11.91	2.523		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.98	0.0	-30.1	30.1	17.7	12.36	2.431		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.98	0.0	-30.1	30.1	17.2	12.81	2.346		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.98	0.0	-30.1	30.1	16.8	13.26	2.266		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.98	0.0	-30.1	30.1	16.3	13.71	2.192		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.98	0.0	-30.1	30.1	15.9	14.16	2.122		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.98	0.0	-30.1	30.1	15.4	14.61	2.057		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.98	0.0	-30.1	30.1	15.0	15.06	1.996		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.98	0.0	-30.1	30.1	14.5	15.51	1.938		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.98	0.0	-30.1	30.1	14.1	15.96	1.883		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.98	0.0	-30.1	30.1	13.6	16.41	1.832		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.98	0.0	-30.1	30.1	13.2	16.86	1.783		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.98	0.0	-30.1	30.1	12.7	17.31	1.737		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.98	0.0	-30.1	30.1	12.3	17.76	1.693		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.98	0.0	-30.1	30.1	11.8	18.21	1.651		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.98	0.0	-30.1	30.1	11.4	18.66	1.611		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.98	0.0	-30.1	30.1	10.9	19.11	1.573		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-89.98	0.0	-30.1	30.1	10.5	19.55	1.537		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-89.98	0.0	-30.1	30.1	10.1	20.00	1.502		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-89.98	0.0	-30.1	30.1	9.6	20.45	1.469 Level 3		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-89.98	0.0	-30.1	30.1	9.2	20.90	1.438 Level 3		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	-89.98	0.0	-30.1	30.1	8.7	21.35	1.408 Level 3		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	-89.98	0.0	-30.1	30.1	8.3	21.80	1.378 Level 3		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	-89.98	0.0	-30.1	30.1	7.8	22.25	1.351 Level 3		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	-89.98	0.0	-30.1	30.1	7.4	22.70	1.324 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	-89.98	0.0	-30.1	30.1	6.9	23.15	1.298	Level 3, CC, ES	
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	149.11	0.0	-30.1	31.9	8.3	23.56	1.354	Level 3	
5,400.0	5,399.7	5,399.7	5,399.7	12.0	12.0	154.16	0.0	-30.1	37.7	13.7	23.92	1.575		
5,500.0	5,499.1	5,500.8	5,500.8	12.2	12.2	160.21	-0.1	-28.2	45.9	21.7	24.22	1.895		
5,600.0	5,598.0	5,602.1	5,601.9	12.4	12.4	166.50	-0.6	-22.6	55.1	30.6	24.46	2.252		
5,700.0	5,696.0	5,703.5	5,702.8	12.6	12.6	172.66	-1.3	-13.2	65.6	40.9	24.67	2.660		
5,800.0	5,793.2	5,804.9	5,803.4	12.8	12.9	178.46	-2.4	-0.2	77.6	52.8	24.84	3.126		
5,900.0	5,889.2	5,906.4	5,903.5	13.1	13.1	-176.21	-3.7	16.7	91.4	66.4	24.99	3.658		
6,000.0	5,983.9	6,007.9	6,002.9	13.4	13.3	-171.39	-5.3	37.2	107.0	81.9	25.15	4.256		
6,100.0	6,077.1	6,109.4	6,101.4	13.7	13.6	-167.09	-7.2	61.4	124.6	99.2	25.36	4.911		
6,200.0	6,169.6	6,211.2	6,199.3	14.1	13.9	-163.06	-9.5	89.3	141.6	115.7	25.92	5.463		
6,300.0	6,262.2	6,313.3	6,296.4	14.6	14.2	-158.88	-12.0	120.9	156.6	130.1	26.55	5.899		
6,400.0	6,354.7	6,415.6	6,392.3	15.0	14.6	-154.45	-14.8	156.2	170.1	142.8	27.30	6.229		
6,500.0	6,449.5	6,513.8	6,483.5	15.4	15.0	-175.39	-17.7	192.7	179.0	150.4	28.67	6.245		
6,600.0	6,546.9	6,602.3	6,565.8	15.6	15.4	141.09	-20.3	224.8	185.0	155.2	29.80	6.210		
6,700.0	6,641.9	6,686.9	6,648.3	15.8	15.6	120.67	-22.9	242.9	198.4	168.0	30.38	6.528		
6,800.0	6,729.6	6,780.2	6,741.4	15.9	15.8	117.63	-26.0	243.2	219.6	189.1	30.45	7.211		
6,900.0	6,805.7	6,885.8	6,843.8	15.9	15.9	119.35	-29.3	218.8	245.6	215.6	30.02	8.183		
7,000.0	6,866.0	7,008.6	6,950.7	16.1	16.0	122.21	-32.9	159.6	272.4	243.1	29.35	9.281		
7,100.0	6,907.6	7,152.5	7,048.0	16.7	16.4	124.92	-36.2	54.5	294.9	265.8	29.07	10.144		
7,200.0	6,928.4	7,316.3	7,108.4	17.8	17.6	126.56	-38.3	-96.7	307.6	277.5	30.15	10.202		
7,300.0	6,930.6	7,447.1	7,115.6	19.2	19.3	126.74	-38.5	-226.9	309.3	276.7	32.54	9.505		
7,400.0	6,930.6	7,547.1	7,115.6	20.9	20.9	126.65	-37.9	-326.9	309.9	274.7	35.22	8.799		
7,500.0	6,930.6	7,647.1	7,115.6	22.8	22.7	126.57	-37.3	-426.9	310.5	272.3	38.25	8.118		
7,600.0	6,930.6	7,747.1	7,115.6	24.9	24.7	126.49	-36.7	-526.9	311.1	269.5	41.58	7.483		
7,700.0	6,930.6	7,847.1	7,115.6	27.1	26.9	126.40	-36.1	-626.9	311.7	266.6	45.14	6.906		
7,800.0	6,930.6	7,947.1	7,115.6	29.4	29.1	126.32	-35.5	-726.9	312.4	263.5	48.89	6.389		
7,900.0	6,930.6	8,047.1	7,115.6	31.7	31.5	126.24	-34.9	-826.9	313.0	260.2	52.79	5.929		
8,000.0	6,930.6	8,147.1	7,115.6	34.2	33.9	126.15	-34.3	-926.9	313.6	256.8	56.80	5.521		
8,100.0	6,930.6	8,247.1	7,115.6	36.7	36.4	126.07	-33.7	-1,026.9	314.2	253.3	60.92	5.158		
8,200.0	6,930.6	8,347.1	7,115.6	39.2	38.9	125.99	-33.1	-1,126.9	314.8	249.7	65.11	4.835		
8,300.0	6,930.6	8,447.1	7,115.6	41.8	41.5	125.91	-32.5	-1,226.9	315.4	246.1	69.38	4.547		
8,400.0	6,930.6	8,547.0	7,115.6	44.4	44.1	125.83	-31.9	-1,326.9	316.1	242.4	73.70	4.288		
8,500.0	6,930.6	8,647.0	7,115.6	47.0	46.7	125.75	-31.3	-1,426.9	316.7	238.6	78.07	4.056		
8,600.0	6,930.6	8,747.0	7,115.6	49.7	49.3	125.67	-30.7	-1,526.9	317.3	234.8	82.48	3.847		
8,700.0	6,930.6	8,847.0	7,115.6	52.3	52.0	125.59	-30.1	-1,626.9	317.9	231.0	86.94	3.657		
8,800.0	6,930.6	8,947.0	7,115.6	55.0	54.6	125.51	-29.4	-1,726.9	318.5	227.1	91.42	3.484		
8,900.0	6,930.6	9,047.0	7,115.6	57.7	57.3	125.43	-28.8	-1,826.9	319.2	223.2	95.94	3.327		
9,000.0	6,930.6	9,147.0	7,115.6	60.4	60.0	125.35	-28.2	-1,926.9	319.8	219.3	100.48	3.182		
9,100.0	6,930.6	9,247.0	7,115.6	63.1	62.7	125.27	-27.6	-2,026.9	320.4	215.3	105.05	3.050		
9,200.0	6,930.6	9,347.0	7,115.6	65.8	65.4	125.19	-27.0	-2,126.9	321.0	211.4	109.64	2.928		
9,300.0	6,930.6	9,447.0	7,115.6	68.6	68.2	125.11	-26.4	-2,226.8	321.6	207.4	114.24	2.815		
9,400.0	6,930.6	9,547.0	7,115.6	71.3	70.9	125.03	-25.8	-2,326.8	322.3	203.4	118.87	2.711		
9,500.0	6,930.6	9,647.0	7,115.6	74.0	73.6	124.96	-25.2	-2,426.8	322.9	199.4	123.52	2.614		
9,600.0	6,930.6	9,747.0	7,115.6	76.8	76.4	124.88	-24.6	-2,526.8	323.5	195.3	128.18	2.524		
9,700.0	6,930.6	9,847.0	7,115.6	79.5	79.1	124.80	-24.0	-2,626.8	324.1	191.3	132.86	2.440		
9,800.0	6,930.6	9,947.0	7,115.6	82.3	81.9	124.73	-23.4	-2,726.8	324.8	187.2	137.55	2.361		
9,900.0	6,930.6	10,047.0	7,115.6	85.0	84.6	124.65	-22.8	-2,826.8	325.4	183.1	142.26	2.287		
10,000.0	6,930.6	10,147.0	7,115.6	87.8	87.4	124.57	-22.2	-2,926.8	326.0	179.0	146.97	2.218		
10,100.0	6,930.6	10,247.0	7,115.6	90.5	90.1	124.50	-21.6	-3,026.8	326.7	174.9	151.71	2.153		
10,200.0	6,930.6	10,347.0	7,115.6	93.3	92.9	124.42	-21.0	-3,126.8	327.3	170.8	156.45	2.092		
10,300.0	6,930.6	10,447.0	7,115.6	96.1	95.7	124.35	-20.4	-3,226.8	327.9	166.7	161.20	2.034		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design											Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 27-179HC - Wellbore #1 - Plan #1 (11-21-13)		Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
10,400.0	6,930.6	10,547.0	7,115.6	98.8	98.4	124.27	-19.8	-3,326.8	328.5	162.6	165.97	1.980			
10,500.0	6,930.6	10,647.0	7,115.6	101.6	101.2	124.20	-19.2	-3,426.8	329.2	158.4	170.75	1.928			
10,600.0	6,930.6	10,747.0	7,115.6	104.4	104.0	124.12	-18.6	-3,526.8	329.8	154.3	175.54	1.879			
10,700.0	6,930.6	10,847.0	7,115.6	107.2	106.7	124.05	-18.0	-3,626.8	330.4	150.1	180.33	1.832			
10,800.0	6,930.6	10,947.0	7,115.6	109.9	109.5	123.97	-17.3	-3,726.8	331.1	145.9	185.14	1.788			
10,900.0	6,930.6	11,047.0	7,115.6	112.7	112.3	123.90	-16.7	-3,826.8	331.7	141.7	189.96	1.746			
11,000.0	6,930.6	11,147.0	7,115.6	115.5	115.1	123.83	-16.1	-3,926.8	332.3	137.6	194.78	1.706			
11,100.0	6,930.6	11,247.0	7,115.6	118.3	117.9	123.75	-15.5	-4,026.8	333.0	133.4	199.62	1.668			
11,200.0	6,930.6	11,347.0	7,115.6	121.1	120.6	123.68	-14.9	-4,126.8	333.6	129.1	204.46	1.632			
11,300.0	6,930.6	11,447.0	7,115.6	123.8	123.4	123.61	-14.3	-4,226.8	334.2	124.9	209.31	1.597			
11,400.0	6,930.6	11,547.0	7,115.6	126.6	126.2	123.54	-13.7	-4,326.7	334.9	120.7	214.17	1.564			
11,500.0	6,930.6	11,647.0	7,115.6	129.4	129.0	123.46	-13.1	-4,426.7	335.5	116.5	219.04	1.532			
11,600.0	6,930.6	11,747.0	7,115.6	132.2	131.8	123.39	-12.5	-4,526.7	336.1	112.2	223.91	1.501			
11,700.0	6,930.6	11,847.0	7,115.6	135.0	134.6	123.32	-11.9	-4,626.7	336.8	108.0	228.80	1.472	Level 3		
11,800.0	6,930.6	11,946.9	7,115.6	137.8	137.4	123.25	-11.3	-4,726.7	337.4	103.7	233.69	1.444	Level 3		
11,900.0	6,930.6	12,046.9	7,115.6	140.6	140.2	123.18	-10.7	-4,826.7	338.1	99.5	238.59	1.417	Level 3		
12,000.0	6,930.6	12,146.9	7,115.6	143.4	142.9	123.11	-10.1	-4,926.7	338.7	95.2	243.49	1.391	Level 3		
12,100.0	6,930.6	12,246.9	7,115.6	146.1	145.7	123.04	-9.5	-5,026.7	339.3	90.9	248.41	1.366	Level 3		
12,200.0	6,930.6	12,346.9	7,115.6	148.9	148.5	122.97	-8.9	-5,126.7	340.0	86.6	253.33	1.342	Level 3		
12,300.0	6,930.6	12,446.9	7,115.6	151.7	151.3	122.90	-8.3	-5,226.7	340.6	82.4	258.25	1.319	Level 3		
12,400.0	6,930.6	12,546.9	7,115.6	154.5	154.1	122.83	-7.7	-5,326.7	341.3	78.1	263.19	1.297	Level 3		
12,500.0	6,930.6	12,646.9	7,115.6	157.3	156.9	122.76	-7.1	-5,426.7	341.9	73.8	268.13	1.275	Level 3		
12,600.0	6,930.6	12,746.9	7,115.6	160.1	159.7	122.69	-6.5	-5,526.7	342.5	69.5	273.08	1.254	Level 3		
12,700.0	6,930.6	12,846.9	7,115.6	162.9	162.5	122.62	-5.9	-5,626.7	343.2	65.1	278.03	1.234	Level 2		
12,800.0	6,930.6	12,946.9	7,115.6	165.7	165.3	122.55	-5.2	-5,726.7	343.8	60.8	282.99	1.215	Level 2		
12,900.0	6,930.6	13,046.9	7,115.6	168.5	168.1	122.48	-4.6	-5,826.7	344.5	56.5	287.96	1.196	Level 2		
13,000.0	6,930.6	13,146.9	7,115.6	171.3	170.9	122.42	-4.0	-5,926.7	345.1	52.2	292.93	1.178	Level 2		
13,100.0	6,930.6	13,246.9	7,115.6	174.1	173.7	122.35	-3.4	-6,026.7	345.8	47.8	297.91	1.161	Level 2		
13,200.0	6,930.6	13,346.9	7,115.6	176.9	176.5	122.28	-2.8	-6,126.7	346.4	43.5	302.90	1.144	Level 2		
13,300.0	6,930.6	13,446.9	7,115.6	179.7	179.3	122.21	-2.2	-6,226.7	347.0	39.2	307.89	1.127	Level 2		
13,400.0	6,930.6	13,546.9	7,115.6	182.5	182.1	122.15	-1.6	-6,326.7	347.7	34.8	312.89	1.111	Level 2		
13,500.0	6,930.6	13,646.9	7,115.6	185.3	184.9	122.08	-1.0	-6,426.6	348.3	30.4	317.89	1.096	Level 2		
13,600.0	6,930.6	13,746.9	7,115.6	188.1	187.7	122.01	-0.4	-6,526.6	349.0	26.1	322.90	1.081	Level 2		
13,700.0	6,930.6	13,846.9	7,115.6	190.9	190.5	121.95	0.2	-6,626.6	349.6	21.7	327.92	1.066	Level 2		
13,800.0	6,930.6	13,946.9	7,115.6	193.7	193.3	121.88	0.8	-6,726.6	350.3	17.3	332.94	1.052	Level 2		
13,826.9	6,930.6	13,973.8	7,115.6	194.4	194.0	121.86	1.0	-6,753.5	350.4	16.2	334.29	1.048	Level 2, SF		

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-60.1	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-60.1	60.1	59.9	0.22	267.427		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-60.1	60.1	59.4	0.67	89.142		
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-60.1	60.1	59.0	1.12	53.485		
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-60.1	60.1	58.5	1.57	38.204		
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-60.1	60.1	58.1	2.02	29.714		
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-60.1	60.1	57.6	2.47	24.312		
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-60.1	60.1	57.2	2.92	20.571		
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-60.1	60.1	56.7	3.37	17.828		
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-60.1	60.1	56.3	3.82	15.731		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-60.1	60.1	55.8	4.27	14.075		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-60.1	60.1	55.4	4.72	12.735		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-60.1	60.1	54.9	5.17	11.627		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.98	0.0	-60.1	60.1	54.5	5.62	10.697		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.98	0.0	-60.1	60.1	54.0	6.07	9.905		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.98	0.0	-60.1	60.1	53.6	6.52	9.222		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.98	0.0	-60.1	60.1	53.1	6.97	8.627		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.98	0.0	-60.1	60.1	52.7	7.42	8.104		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.98	0.0	-60.1	60.1	52.2	7.87	7.641		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.98	0.0	-60.1	60.1	51.8	8.32	7.228		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.98	0.0	-60.1	60.1	51.3	8.77	6.857		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.98	0.0	-60.1	60.1	50.9	9.22	6.523		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.98	0.0	-60.1	60.1	50.4	9.66	6.219		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.98	0.0	-60.1	60.1	50.0	10.11	5.943		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.98	0.0	-60.1	60.1	49.5	10.56	5.690		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.98	0.0	-60.1	60.1	49.1	11.01	5.458		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.98	0.0	-60.1	60.1	48.6	11.46	5.244		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.98	0.0	-60.1	60.1	48.2	11.91	5.046		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.98	0.0	-60.1	60.1	47.7	12.36	4.862		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.98	0.0	-60.1	60.1	47.3	12.81	4.692		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.98	0.0	-60.1	60.1	46.8	13.26	4.533		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.98	0.0	-60.1	60.1	46.4	13.71	4.384		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.98	0.0	-60.1	60.1	45.9	14.16	4.245		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.98	0.0	-60.1	60.1	45.5	14.61	4.114		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.98	0.0	-60.1	60.1	45.0	15.06	3.991		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.98	0.0	-60.1	60.1	44.6	15.51	3.876		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.98	0.0	-60.1	60.1	44.2	15.96	3.767		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.98	0.0	-60.1	60.1	43.7	16.41	3.663		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.98	0.0	-60.1	60.1	43.3	16.86	3.566		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.98	0.0	-60.1	60.1	42.8	17.31	3.473		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.98	0.0	-60.1	60.1	42.4	17.76	3.385		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.98	0.0	-60.1	60.1	41.9	18.21	3.302		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.98	0.0	-60.1	60.1	41.5	18.66	3.222		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.98	0.0	-60.1	60.1	41.0	19.11	3.146		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-89.98	0.0	-60.1	60.1	40.6	19.55	3.074		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-89.98	0.0	-60.1	60.1	40.1	20.00	3.005		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-89.98	0.0	-60.1	60.1	39.7	20.45	2.939		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-89.98	0.0	-60.1	60.1	39.2	20.90	2.876		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	-89.98	0.0	-60.1	60.1	38.8	21.35	2.815		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	-89.98	0.0	-60.1	60.1	38.3	21.80	2.757		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	-89.98	0.0	-60.1	60.1	37.9	22.25	2.701		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	-89.98	0.0	-60.1	60.1	37.4	22.70	2.648		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	-89.98	0.0	-60.1	60.1	37.0	23.15	2.596	CC, ES	
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	148.07	0.0	-60.1	61.9	38.4	23.56	2.629		
5,400.0	5,399.7	5,399.7	5,399.7	12.0	12.0	150.93	0.0	-60.1	67.6	43.7	23.92	2.825		
5,500.0	5,499.1	5,499.1	5,499.1	12.2	12.2	154.75	0.0	-60.1	77.3	53.0	24.25	3.188		
5,600.0	5,598.0	5,598.0	5,598.0	12.4	12.5	158.69	0.0	-60.1	91.3	66.8	24.53	3.722		
5,700.0	5,696.0	5,709.4	5,708.9	12.6	12.7	165.23	2.5	-52.2	103.6	78.9	24.76	4.187		
5,800.0	5,793.2	5,820.0	5,816.6	12.8	13.0	176.37	10.0	-28.1	109.8	84.9	24.93	4.406		
5,900.0	5,889.2	5,925.9	5,914.7	13.1	13.2	-168.29	21.7	9.5	115.3	90.1	25.19	4.577		
6,000.0	5,983.9	6,022.1	5,998.9	13.4	13.6	-151.90	35.5	53.9	127.9	102.2	25.74	4.969		
6,100.0	6,077.1	6,114.4	6,079.0	13.7	14.0	-139.62	49.2	97.8	152.2	125.7	26.54	5.734		
6,200.0	6,169.6	6,206.7	6,159.1	14.1	14.4	-131.35	62.9	141.6	182.5	155.0	27.57	6.621		
6,300.0	6,262.2	6,299.0	6,239.1	14.6	14.9	-125.40	76.5	185.5	215.5	186.9	28.59	7.536		
6,400.0	6,354.7	6,390.2	6,318.8	15.0	15.4	-121.36	90.1	227.8	250.1	220.5	29.57	8.456		
6,500.0	6,449.5	6,480.6	6,403.3	15.4	15.8	-151.07	104.5	255.9	286.5	256.4	30.10	9.519		
6,600.0	6,546.9	6,571.9	6,492.6	15.6	16.0	152.00	119.7	266.1	324.2	293.7	30.51	10.626		
6,700.0	6,641.9	6,665.6	6,584.3	15.8	16.2	119.01	135.3	256.9	361.3	330.5	30.87	11.706		
6,800.0	6,729.6	6,763.3	6,675.7	15.9	16.2	105.01	150.8	226.6	396.2	365.0	31.21	12.697		
6,900.0	6,805.7	6,866.4	6,762.5	15.9	16.3	97.70	165.4	173.4	427.1	395.4	31.63	13.501		
7,000.0	6,866.0	6,975.9	6,838.7	16.1	16.5	93.49	178.3	96.3	452.2	419.8	32.40	13.956		
7,100.0	6,907.6	7,091.6	6,896.3	16.7	17.2	91.12	187.9	-3.2	469.9	436.0	33.85	13.880		
7,200.0	6,928.4	7,212.0	6,927.1	17.8	18.4	90.09	193.0	-119.1	478.8	442.6	36.19	13.232		
7,300.0	6,930.6	7,322.2	6,930.6	19.2	20.0	90.00	193.4	-229.2	479.8	440.7	39.11	12.269		
7,400.0	6,930.6	7,422.2	6,930.6	20.9	21.7	90.00	193.3	-329.2	479.8	437.4	42.44	11.306		
7,500.0	6,930.6	7,522.2	6,930.6	22.8	23.6	90.00	193.1	-429.2	479.8	433.6	46.21	10.383		
7,600.0	6,930.6	7,622.2	6,930.6	24.9	25.6	90.00	192.9	-529.2	479.8	429.5	50.33	9.533		
7,700.0	6,930.6	7,722.2	6,930.6	27.1	27.8	90.00	192.8	-629.2	479.8	425.1	54.72	8.769		
7,800.0	6,930.6	7,822.2	6,930.6	29.4	30.1	90.00	192.6	-729.2	479.8	420.5	59.31	8.089		
7,900.0	6,930.6	7,922.2	6,930.6	31.7	32.5	90.00	192.5	-829.2	479.8	415.7	64.07	7.489		
8,000.0	6,930.6	8,022.2	6,930.6	34.2	34.9	90.00	192.3	-929.2	479.8	410.8	68.96	6.958		
8,100.0	6,930.6	8,122.2	6,930.6	36.7	37.4	90.00	192.2	-1,029.2	479.8	405.9	73.95	6.488		
8,200.0	6,930.6	8,222.2	6,930.6	39.2	39.9	90.00	192.0	-1,129.2	479.8	400.8	79.02	6.072		
8,300.0	6,930.6	8,322.2	6,930.6	41.8	42.5	90.00	191.8	-1,229.2	479.8	395.6	84.17	5.701		
8,400.0	6,930.6	8,422.2	6,930.6	44.4	45.1	90.00	191.7	-1,329.2	479.8	390.4	89.37	5.369		
8,500.0	6,930.6	8,522.2	6,930.6	47.0	47.7	90.00	191.5	-1,429.2	479.8	385.2	94.62	5.071		
8,600.0	6,930.6	8,622.2	6,930.6	49.7	50.3	90.00	191.4	-1,529.2	479.8	379.9	99.90	4.803		
8,700.0	6,930.6	8,722.2	6,930.6	52.3	53.0	90.00	191.2	-1,629.2	479.8	374.6	105.23	4.560		
8,800.0	6,930.6	8,822.2	6,930.6	55.0	55.7	90.00	191.1	-1,729.2	479.8	369.2	110.58	4.339		
8,900.0	6,930.6	8,922.2	6,930.6	57.7	58.3	90.00	190.9	-1,829.2	479.8	363.8	115.95	4.138		
9,000.0	6,930.6	9,022.2	6,930.6	60.4	61.0	90.00	190.7	-1,929.2	479.8	358.4	121.35	3.954		
9,100.0	6,930.6	9,122.2	6,930.6	63.1	63.7	90.00	190.6	-2,029.2	479.8	353.0	126.77	3.785		
9,200.0	6,930.6	9,222.2	6,930.6	65.8	66.4	90.00	190.4	-2,129.2	479.8	347.6	132.20	3.629		
9,300.0	6,930.6	9,322.2	6,930.6	68.6	69.2	90.00	190.3	-2,229.2	479.8	342.1	137.65	3.486		
9,400.0	6,930.6	9,422.2	6,930.6	71.3	71.9	90.00	190.1	-2,329.2	479.8	336.7	143.11	3.353		
9,500.0	6,930.6	9,522.2	6,930.6	74.0	74.6	90.00	189.9	-2,429.2	479.8	331.2	148.58	3.229		
9,600.0	6,930.6	9,622.2	6,930.6	76.8	77.4	90.00	189.8	-2,529.2	479.8	325.7	154.07	3.114		
9,700.0	6,930.6	9,722.2	6,930.6	79.5	80.1	90.00	189.6	-2,629.2	479.8	320.2	159.56	3.007		
9,800.0	6,930.6	9,822.2	6,930.6	82.3	82.9	90.00	189.5	-2,729.2	479.8	314.7	165.06	2.907		
9,900.0	6,930.6	9,922.2	6,930.6	85.0	85.6	90.00	189.3	-2,829.2	479.8	309.2	170.57	2.813		
10,000.0	6,930.6	10,022.2	6,930.6	87.8	88.4	90.00	189.2	-2,929.2	479.8	303.7	176.08	2.725		
10,100.0	6,930.6	10,122.2	6,930.6	90.5	91.1	90.00	189.0	-3,029.2	479.8	298.2	181.60	2.642		
10,200.0	6,930.6	10,222.2	6,930.6	93.3	93.9	90.00	188.8	-3,129.2	479.8	292.7	187.13	2.564		
10,300.0	6,930.6	10,322.2	6,930.6	96.1	96.6	90.00	188.7	-3,229.2	479.8	287.1	192.66	2.490		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

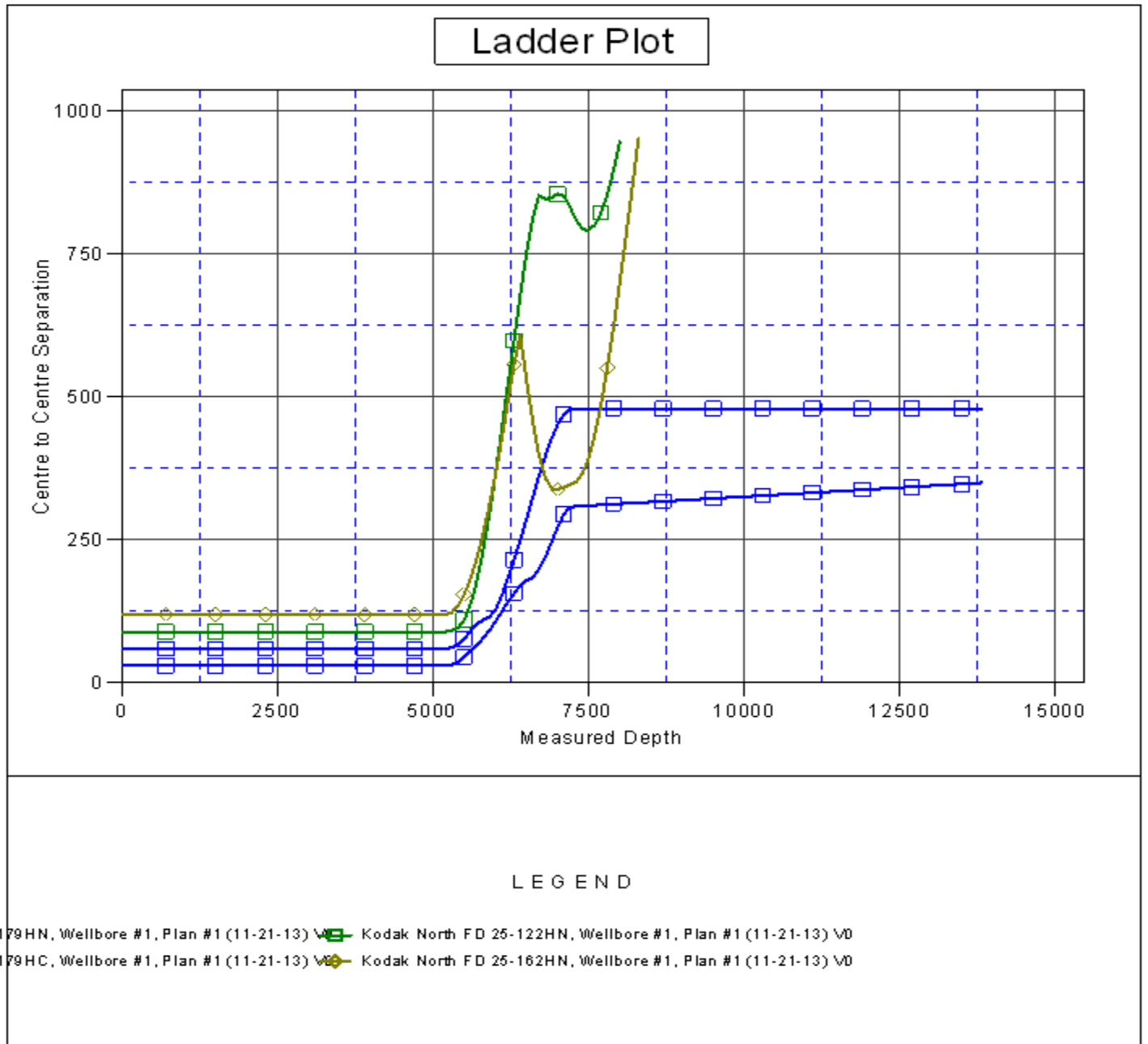
Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 27-179HN - Wellbore #1 - Plan #1 (11-21-13)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	6,930.6	10,422.2	6,930.6	98.8	99.4	90.00	188.5	-3,329.2	479.8	281.6	198.20	2.421	
10,500.0	6,930.6	10,522.2	6,930.6	101.6	102.2	90.00	188.4	-3,429.2	479.8	276.1	203.74	2.355	
10,600.0	6,930.6	10,622.2	6,930.6	104.4	105.0	90.00	188.2	-3,529.2	479.8	270.5	209.28	2.293	
10,700.0	6,930.6	10,722.2	6,930.6	107.2	107.7	90.00	188.1	-3,629.2	479.8	265.0	214.83	2.233	
10,800.0	6,930.6	10,822.2	6,930.6	109.9	110.5	90.00	187.9	-3,729.2	479.8	259.4	220.38	2.177	
10,900.0	6,930.6	10,922.2	6,930.6	112.7	113.3	90.00	187.7	-3,829.2	479.8	253.9	225.94	2.124	
11,000.0	6,930.6	11,022.2	6,930.6	115.5	116.1	90.00	187.6	-3,929.2	479.8	248.3	231.50	2.073	
11,100.0	6,930.6	11,122.2	6,930.6	118.3	118.8	90.00	187.4	-4,029.2	479.8	242.7	237.06	2.024	
11,200.0	6,930.6	11,222.2	6,930.6	121.1	121.6	90.00	187.3	-4,129.2	479.8	237.2	242.62	1.978	
11,300.0	6,930.6	11,322.2	6,930.6	123.8	124.4	90.00	187.1	-4,229.2	479.8	231.6	248.19	1.933	
11,400.0	6,930.6	11,422.2	6,930.6	126.6	127.2	90.00	187.0	-4,329.2	479.8	226.0	253.75	1.891	
11,500.0	6,930.6	11,522.2	6,930.6	129.4	130.0	90.00	186.8	-4,429.2	479.8	220.5	259.32	1.850	
11,600.0	6,930.6	11,622.2	6,930.6	132.2	132.7	90.00	186.6	-4,529.2	479.8	214.9	264.90	1.811	
11,700.0	6,930.6	11,722.2	6,930.6	135.0	135.5	90.00	186.5	-4,629.2	479.8	209.3	270.47	1.774	
11,800.0	6,930.6	11,822.2	6,930.6	137.8	138.3	90.00	186.3	-4,729.2	479.8	203.7	276.05	1.738	
11,900.0	6,930.6	11,922.2	6,930.6	140.6	141.1	90.00	186.2	-4,829.2	479.8	198.2	281.62	1.704	
12,000.0	6,930.6	12,022.2	6,930.6	143.4	143.9	90.00	186.0	-4,929.2	479.8	192.6	287.20	1.671	
12,100.0	6,930.6	12,122.2	6,930.6	146.1	146.7	90.00	185.8	-5,029.2	479.8	187.0	292.78	1.639	
12,200.0	6,930.6	12,222.2	6,930.6	148.9	149.5	90.00	185.7	-5,129.2	479.8	181.4	298.36	1.608	
12,300.0	6,930.6	12,322.2	6,930.6	151.7	152.3	90.00	185.5	-5,229.2	479.8	175.8	303.94	1.579	
12,400.0	6,930.6	12,422.2	6,930.6	154.5	155.1	90.00	185.4	-5,329.2	479.8	170.3	309.53	1.550	
12,500.0	6,930.6	12,522.2	6,930.6	157.3	157.8	90.00	185.2	-5,429.2	479.8	164.7	315.11	1.523	
12,600.0	6,930.6	12,622.2	6,930.6	160.1	160.6	90.00	185.1	-5,529.2	479.8	159.1	320.70	1.496 Level 3	
12,700.0	6,930.6	12,722.2	6,930.6	162.9	163.4	90.00	184.9	-5,629.2	479.8	153.5	326.29	1.470 Level 3	
12,800.0	6,930.6	12,822.2	6,930.6	165.7	166.2	90.00	184.7	-5,729.2	479.8	147.9	331.87	1.446 Level 3	
12,900.0	6,930.6	12,922.2	6,930.6	168.5	169.0	90.00	184.6	-5,829.2	479.8	142.3	337.46	1.422 Level 3	
13,000.0	6,930.6	13,022.2	6,930.6	171.3	171.8	90.00	184.4	-5,929.2	479.8	136.7	343.05	1.399 Level 3	
13,100.0	6,930.6	13,122.2	6,930.6	174.1	174.6	90.00	184.3	-6,029.2	479.8	131.1	348.64	1.376 Level 3	
13,200.0	6,930.6	13,222.2	6,930.6	176.9	177.4	90.00	184.1	-6,129.2	479.8	125.6	354.23	1.354 Level 3	
13,300.0	6,930.6	13,322.2	6,930.6	179.7	180.2	90.00	184.0	-6,229.2	479.8	120.0	359.83	1.333 Level 3	
13,400.0	6,930.6	13,422.2	6,930.6	182.5	183.0	90.00	183.8	-6,329.2	479.8	114.4	365.42	1.313 Level 3	
13,500.0	6,930.6	13,522.2	6,930.6	185.3	185.8	90.00	183.6	-6,429.2	479.8	108.8	371.01	1.293 Level 3	
13,600.0	6,930.6	13,622.2	6,930.6	188.1	188.6	90.00	183.5	-6,529.2	479.8	103.2	376.61	1.274 Level 3	
13,700.0	6,930.6	13,722.2	6,930.6	190.9	191.4	90.00	183.3	-6,629.2	479.8	97.6	382.20	1.255 Level 3	
13,800.0	6,930.6	13,822.2	6,930.6	193.7	194.2	90.00	183.2	-6,729.2	479.8	92.0	387.80	1.237 Level 2	
13,822.0	6,930.6	13,844.2	6,930.6	194.3	194.8	90.00	183.1	-6,751.2	479.8	90.8	389.03	1.233 Level 2	
13,826.9	6,930.6	13,846.6	6,930.6	194.4	194.9	90.00	183.1	-6,753.5	479.8	90.6	389.23	1.233 Level 2, SF	

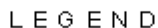
Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-182HN
Project:	SEC.26-T6N-R67W	TVD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Reference Site:	Kodak North Pad Sec.26-T6N-R67W	MD Reference:	WELL @ 4776.6ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Kodak North FD 27-182HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (11-21-13)	Offset TVD Reference:	Offset Datum


Reference Depths are relative to WELL @ 4776.6ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Kodak North FD 27-182HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.41°



Reference Depths are relative to WELL @ 4776.6ft (RKB - 16.5')	Coordinates are relative to: Kodak North FD 27-182HN
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 °	Grid Convergence at Surface is: 0.41°



-179HN, Wellbore #1, Plan #1 (11-21-13)  Kodak North FD 25-122HN, Wellbore #1, Plan #1 (11-21-13) 