

# Great Western

Well Name: **Kodak North FD 25-039HN**

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

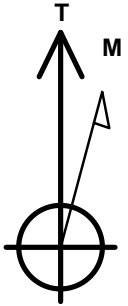
Ground Elevation: 4760.1

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1410693.27	3177056.47	40.459011	-104.863714	

RKB - 16.5' WELL @ 4776.6ft (RKB - 16.5')

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2252'FNL & 1850'FWL, Sec.26	1.0	0.0	0.0	Point
BHL 470'FNL & 470'FWL, Sec.25	6922.6	1862.3	8211.7	Point
Entry Pt. 470'FNL & 2025'FWL, Sec.26	6922.6	1781.2	171.7	Point



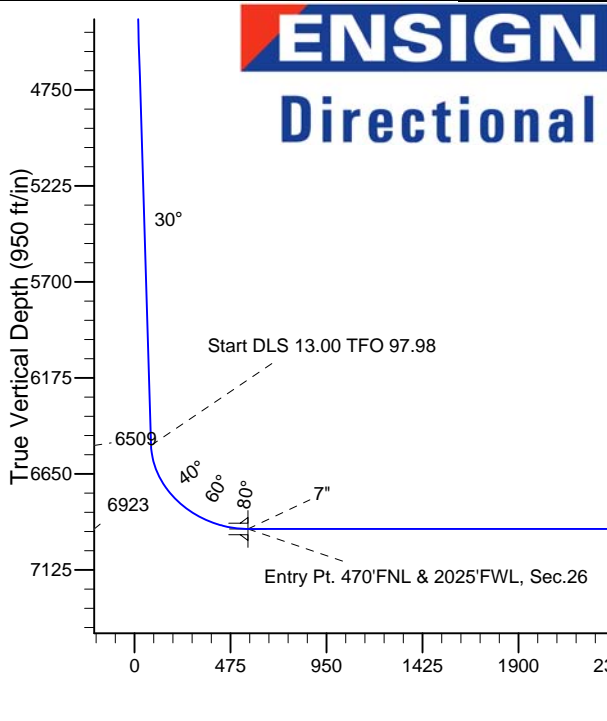
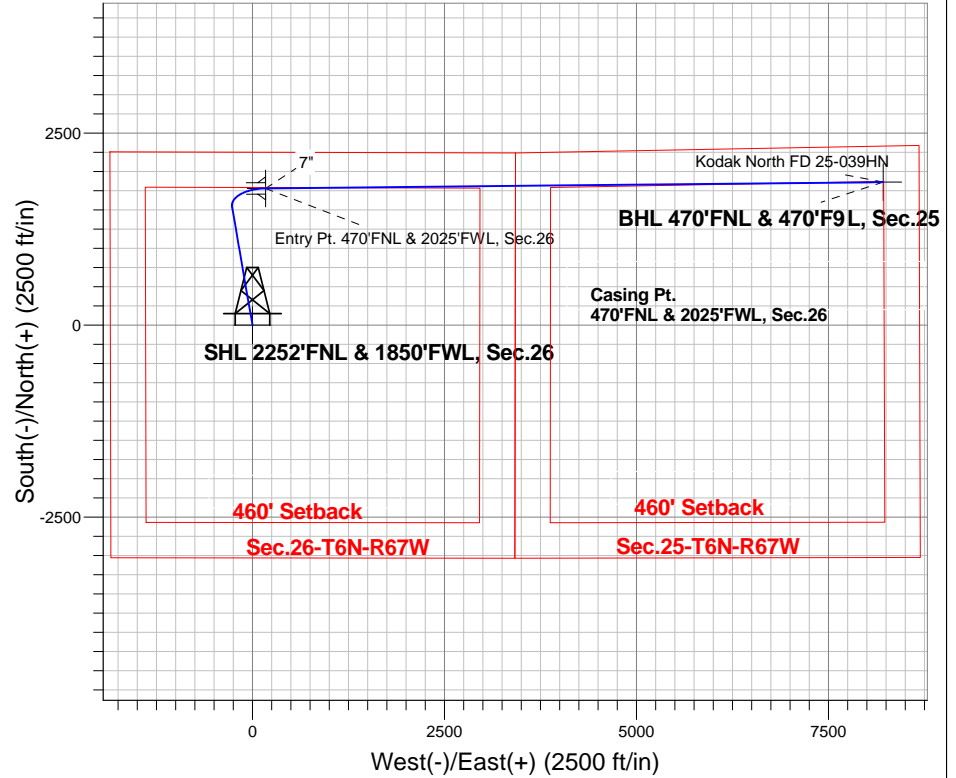
Azimuths to True North  
 Magnetic North: 8.59°

Magnetic Field  
 Strength: 52895.6snT  
 Dip Angle: 67.00°  
 Date: 11/21/2013  
 Model: IGRF2010

Kodak North Pad Sec.26-T6N-R67W  
 Kodak North FD 25-039HN  
 Plan #1 (11-21-13)  
 13:05, November 22 2013

### ANNOTATIONS

TVD	MD	Annotation
3300.0	3300.0	KOP - Start Build 3.00
6509.4	6906.0	Start DLS 13.00 TFO 97.98
6922.6	15674.1	TD at 15674.1



### 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	3300.0	0.00	0.00	3300.0	0.0	0.0	0.00	0.00	0.0	
3	4303.5	30.10	350.23	4258.0	253.9	-43.7	3.00	350.23	13.5	
4	6906.0	30.10	350.23	6509.4	1540.3	-265.3	0.00	0.00	82.0	
5	7633.7	90.00	89.43	6922.6	1781.2	171.7	13.00	97.98	561.4	Entry Pt. 470'FNL & 2025'FWL, Sec.26
6	7634.5	90.00	89.42	6922.6	1781.2	172.5	1.00	-90.00	562.2	
7	15674.1	90.00	89.42	6922.6	1862.3	8211.7	0.00	0.00	8420.2	BHL 470'FNL & 470'FWL, Sec.25

**ENSIGN**  
 Directional



## **Great Western**

**SEC.26-T6N-R67W**

**Kodak North Pad Sec.26-T6N-R67W**

**Kodak North FD 25-039HN**

**Wellbore #1**

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

## **Standard Planning Report**

**22 November, 2013**

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Project:</b>	SEC.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (11-21-13)		

<b>Project</b>	SEC.26-T6N-R67W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	Kodak North Pad Sec.26-T6N-R67W				
<b>Site Position:</b>		<b>Northing:</b>	1,410,693.08 ft	<b>Latitude:</b>	40.459011
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,177,026.41 ft	<b>Longitude:</b>	-104.863822
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.41 °

<b>Well</b>	Kodak North FD 25-039HN					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	1,410,693.27 ft	<b>Latitude:</b>	40.459011
	<b>+E/-W</b>	30.1 ft	<b>Easting:</b>	3,177,056.47 ft	<b>Longitude:</b>	-104.863714
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	4,760.1 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	11/21/2013	8.59	67.00	52,896

<b>Design</b>	Plan #1 (11-21-13)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	77.22

<b>Plan Sections</b>										
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	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,303.5	30.10	350.23	4,258.0	253.9	-43.7	3.00	3.00	0.00	350.23	
6,906.0	30.10	350.23	6,509.4	1,540.3	-265.3	0.00	0.00	0.00	0.00	
7,633.7	90.00	89.43	6,922.6	1,781.2	171.7	13.00	8.23	13.63	97.98	Entry Pt. 470'FNL &
7,634.5	90.00	89.42	6,922.6	1,781.2	172.5	1.00	0.00	-1.00	-90.00	
15,674.1	90.00	89.42	6,922.6	1,862.3	8,211.7	0.00	0.00	0.00	0.00	BHL 470'FNL & 470'

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Project:</b>	SEC.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>SHL 2252'FNL &amp; 1850'FWL, Sec.26</b>									
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
<b>KOP - Start Build 3.00</b>									
3,400.0	3.00	350.23	3,400.0	2.6	-0.4	0.1	3.00	3.00	0.00
3,500.0	6.00	350.23	3,499.6	10.3	-1.8	0.5	3.00	3.00	0.00
3,600.0	9.00	350.23	3,598.8	23.2	-4.0	1.2	3.00	3.00	0.00
3,700.0	12.00	350.23	3,697.1	41.1	-7.1	2.2	3.00	3.00	0.00
3,800.0	15.00	350.23	3,794.3	64.1	-11.0	3.4	3.00	3.00	0.00
3,900.0	18.00	350.23	3,890.2	92.1	-15.9	4.9	3.00	3.00	0.00
4,000.0	21.00	350.23	3,984.4	125.0	-21.5	6.7	3.00	3.00	0.00
4,100.0	24.00	350.23	4,076.8	162.7	-28.0	8.7	3.00	3.00	0.00
4,200.0	27.00	350.23	4,167.1	205.1	-35.3	10.9	3.00	3.00	0.00
4,300.0	30.00	350.23	4,254.9	252.2	-43.4	13.4	3.00	3.00	0.00
4,303.5	30.10	350.23	4,258.0	253.9	-43.7	13.5	3.00	3.00	0.00
4,400.0	30.10	350.23	4,341.4	301.6	-51.9	16.1	0.00	0.00	0.00
4,500.0	30.10	350.23	4,428.0	351.0	-60.4	18.7	0.00	0.00	0.00
4,600.0	30.10	350.23	4,514.5	400.4	-69.0	21.3	0.00	0.00	0.00
4,700.0	30.10	350.23	4,601.0	449.9	-77.5	23.9	0.00	0.00	0.00
4,800.0	30.10	350.23	4,687.5	499.3	-86.0	26.6	0.00	0.00	0.00
4,900.0	30.10	350.23	4,774.0	548.7	-94.5	29.2	0.00	0.00	0.00

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<b>Project:</b>	SEC.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
5,000.0	30.10	350.23	4,860.5	598.2	-103.0	31.8	0.00	0.00	0.00	
5,100.0	30.10	350.23	4,947.0	647.6	-111.5	34.5	0.00	0.00	0.00	
5,200.0	30.10	350.23	5,033.5	697.0	-120.0	37.1	0.00	0.00	0.00	
5,300.0	30.10	350.23	5,120.0	746.5	-128.5	39.7	0.00	0.00	0.00	
5,400.0	30.10	350.23	5,206.6	795.9	-137.1	42.4	0.00	0.00	0.00	
5,500.0	30.10	350.23	5,293.1	845.3	-145.6	45.0	0.00	0.00	0.00	
5,600.0	30.10	350.23	5,379.6	894.8	-154.1	47.6	0.00	0.00	0.00	
5,700.0	30.10	350.23	5,466.1	944.2	-162.6	50.3	0.00	0.00	0.00	
5,800.0	30.10	350.23	5,552.6	993.6	-171.1	52.9	0.00	0.00	0.00	
5,900.0	30.10	350.23	5,639.1	1,043.0	-179.6	55.5	0.00	0.00	0.00	
6,000.0	30.10	350.23	5,725.6	1,092.5	-188.1	58.2	0.00	0.00	0.00	
6,100.0	30.10	350.23	5,812.1	1,141.9	-196.6	60.8	0.00	0.00	0.00	
6,200.0	30.10	350.23	5,898.6	1,191.3	-205.2	63.4	0.00	0.00	0.00	
6,300.0	30.10	350.23	5,985.1	1,240.8	-213.7	66.0	0.00	0.00	0.00	
6,400.0	30.10	350.23	6,071.7	1,290.2	-222.2	68.7	0.00	0.00	0.00	
6,500.0	30.10	350.23	6,158.2	1,339.6	-230.7	71.3	0.00	0.00	0.00	
6,600.0	30.10	350.23	6,244.7	1,389.1	-239.2	73.9	0.00	0.00	0.00	
6,700.0	30.10	350.23	6,331.2	1,438.5	-247.7	76.6	0.00	0.00	0.00	
6,800.0	30.10	350.23	6,417.7	1,487.9	-256.2	79.2	0.00	0.00	0.00	
6,900.0	30.10	350.23	6,504.2	1,537.4	-264.7	81.8	0.00	0.00	0.00	
6,906.0	30.10	350.23	6,509.4	1,540.3	-265.3	82.0	0.00	0.00	0.00	
<b>Start DLS 13.00 TFO 97.98</b>										
7,000.0	30.66	14.50	6,590.8	1,586.9	-263.2	94.3	13.00	0.59	25.82	
7,100.0	35.68	36.57	6,674.8	1,635.2	-239.4	128.2	13.00	5.02	22.07	
7,200.0	43.72	52.67	6,751.9	1,679.8	-194.3	182.0	13.00	8.04	16.09	
7,300.0	53.41	64.28	6,818.1	1,718.4	-130.4	252.9	13.00	9.69	11.62	
7,400.0	63.96	73.19	6,870.1	1,748.9	-50.9	337.2	13.00	10.56	8.91	
7,500.0	74.97	80.59	6,905.1	1,769.9	40.1	430.6	13.00	11.01	7.40	
7,600.0	86.20	87.25	6,921.5	1,780.2	138.0	528.3	13.00	11.23	6.66	
7,633.7	90.00	89.43	6,922.6	1,781.2	171.7	561.4	13.00	11.28	6.47	
<b>7" - Entry Pt. 470'FNL &amp; 2025'FWL, Sec.26</b>										
7,634.5	90.00	89.42	6,922.6	1,781.2	172.5	562.2	0.94	0.12	-0.93	
7,700.0	90.00	89.42	6,922.6	1,781.8	238.0	626.2	0.00	0.00	0.00	
7,800.0	90.00	89.42	6,922.6	1,782.8	338.0	723.9	0.00	0.00	0.00	
7,900.0	90.00	89.42	6,922.6	1,783.9	438.0	821.7	0.00	0.00	0.00	
8,000.0	90.00	89.42	6,922.6	1,784.9	538.0	919.4	0.00	0.00	0.00	
8,100.0	90.00	89.42	6,922.6	1,785.9	638.0	1,017.2	0.00	0.00	0.00	
8,200.0	90.00	89.42	6,922.6	1,786.9	738.0	1,114.9	0.00	0.00	0.00	
8,300.0	90.00	89.42	6,922.6	1,787.9	838.0	1,212.6	0.00	0.00	0.00	
8,400.0	90.00	89.42	6,922.6	1,788.9	938.0	1,310.4	0.00	0.00	0.00	
8,500.0	90.00	89.42	6,922.6	1,789.9	1,037.9	1,408.1	0.00	0.00	0.00	
8,600.0	90.00	89.42	6,922.6	1,790.9	1,137.9	1,505.9	0.00	0.00	0.00	
8,700.0	90.00	89.42	6,922.6	1,791.9	1,237.9	1,603.6	0.00	0.00	0.00	
8,800.0	90.00	89.42	6,922.6	1,792.9	1,337.9	1,701.3	0.00	0.00	0.00	
8,900.0	90.00	89.42	6,922.6	1,793.9	1,437.9	1,799.1	0.00	0.00	0.00	
9,000.0	90.00	89.42	6,922.6	1,795.0	1,537.9	1,896.8	0.00	0.00	0.00	
9,100.0	90.00	89.42	6,922.6	1,796.0	1,637.9	1,994.6	0.00	0.00	0.00	
9,200.0	90.00	89.42	6,922.6	1,797.0	1,737.9	2,092.3	0.00	0.00	0.00	
9,300.0	90.00	89.42	6,922.6	1,798.0	1,837.9	2,190.1	0.00	0.00	0.00	
9,400.0	90.00	89.42	6,922.6	1,799.0	1,937.9	2,287.8	0.00	0.00	0.00	
9,500.0	90.00	89.42	6,922.6	1,800.0	2,037.9	2,385.5	0.00	0.00	0.00	
9,600.0	90.00	89.42	6,922.6	1,801.0	2,137.9	2,483.3	0.00	0.00	0.00	
9,700.0	90.00	89.42	6,922.6	1,802.0	2,237.9	2,581.0	0.00	0.00	0.00	
9,800.0	90.00	89.42	6,922.6	1,803.0	2,337.9	2,678.8	0.00	0.00	0.00	

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Project:</b>	SEC.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
9,900.0	90.00	89.42	6,922.6	1,804.0	2,437.9	2,776.5	0.00	0.00	0.00
10,000.0	90.00	89.42	6,922.6	1,805.0	2,537.9	2,874.2	0.00	0.00	0.00
10,100.0	90.00	89.42	6,922.6	1,806.1	2,637.9	2,972.0	0.00	0.00	0.00
10,200.0	90.00	89.42	6,922.6	1,807.1	2,737.9	3,069.7	0.00	0.00	0.00
10,300.0	90.00	89.42	6,922.6	1,808.1	2,837.9	3,167.5	0.00	0.00	0.00
10,400.0	90.00	89.42	6,922.6	1,809.1	2,937.9	3,265.2	0.00	0.00	0.00
10,500.0	90.00	89.42	6,922.6	1,810.1	3,037.8	3,363.0	0.00	0.00	0.00
10,600.0	90.00	89.42	6,922.6	1,811.1	3,137.8	3,460.7	0.00	0.00	0.00
10,700.0	90.00	89.42	6,922.6	1,812.1	3,237.8	3,558.4	0.00	0.00	0.00
10,800.0	90.00	89.42	6,922.6	1,813.1	3,337.8	3,656.2	0.00	0.00	0.00
10,900.0	90.00	89.42	6,922.6	1,814.1	3,437.8	3,753.9	0.00	0.00	0.00
11,000.0	90.00	89.42	6,922.6	1,815.1	3,537.8	3,851.7	0.00	0.00	0.00
11,100.0	90.00	89.42	6,922.6	1,816.2	3,637.8	3,949.4	0.00	0.00	0.00
11,200.0	90.00	89.42	6,922.6	1,817.2	3,737.8	4,047.2	0.00	0.00	0.00
11,300.0	90.00	89.42	6,922.6	1,818.2	3,837.8	4,144.9	0.00	0.00	0.00
11,400.0	90.00	89.42	6,922.6	1,819.2	3,937.8	4,242.6	0.00	0.00	0.00
11,500.0	90.00	89.42	6,922.6	1,820.2	4,037.8	4,340.4	0.00	0.00	0.00
11,600.0	90.00	89.42	6,922.6	1,821.2	4,137.8	4,438.1	0.00	0.00	0.00
11,700.0	90.00	89.42	6,922.6	1,822.2	4,237.8	4,535.9	0.00	0.00	0.00
11,800.0	90.00	89.42	6,922.6	1,823.2	4,337.8	4,633.6	0.00	0.00	0.00
11,900.0	90.00	89.42	6,922.6	1,824.2	4,437.8	4,731.3	0.00	0.00	0.00
12,000.0	90.00	89.42	6,922.6	1,825.2	4,537.8	4,829.1	0.00	0.00	0.00
12,100.0	90.00	89.42	6,922.6	1,826.2	4,637.8	4,926.8	0.00	0.00	0.00
12,200.0	90.00	89.42	6,922.6	1,827.3	4,737.8	5,024.6	0.00	0.00	0.00
12,300.0	90.00	89.42	6,922.6	1,828.3	4,837.8	5,122.3	0.00	0.00	0.00
12,400.0	90.00	89.42	6,922.6	1,829.3	4,937.8	5,220.1	0.00	0.00	0.00
12,500.0	90.00	89.42	6,922.6	1,830.3	5,037.7	5,317.8	0.00	0.00	0.00
12,600.0	90.00	89.42	6,922.6	1,831.3	5,137.7	5,415.5	0.00	0.00	0.00
12,700.0	90.00	89.42	6,922.6	1,832.3	5,237.7	5,513.3	0.00	0.00	0.00
12,800.0	90.00	89.42	6,922.6	1,833.3	5,337.7	5,611.0	0.00	0.00	0.00
12,900.0	90.00	89.42	6,922.6	1,834.3	5,437.7	5,708.8	0.00	0.00	0.00
13,000.0	90.00	89.42	6,922.6	1,835.3	5,537.7	5,806.5	0.00	0.00	0.00
13,100.0	90.00	89.42	6,922.6	1,836.3	5,637.7	5,904.2	0.00	0.00	0.00
13,200.0	90.00	89.42	6,922.6	1,837.3	5,737.7	6,002.0	0.00	0.00	0.00
13,300.0	90.00	89.42	6,922.6	1,838.4	5,837.7	6,099.7	0.00	0.00	0.00
13,400.0	90.00	89.42	6,922.6	1,839.4	5,937.7	6,197.5	0.00	0.00	0.00
13,500.0	90.00	89.42	6,922.6	1,840.4	6,037.7	6,295.2	0.00	0.00	0.00
13,600.0	90.00	89.42	6,922.6	1,841.4	6,137.7	6,393.0	0.00	0.00	0.00
13,700.0	90.00	89.42	6,922.6	1,842.4	6,237.7	6,490.7	0.00	0.00	0.00
13,800.0	90.00	89.42	6,922.6	1,843.4	6,337.7	6,588.4	0.00	0.00	0.00
13,900.0	90.00	89.42	6,922.6	1,844.4	6,437.7	6,686.2	0.00	0.00	0.00
14,000.0	90.00	89.42	6,922.6	1,845.4	6,537.7	6,783.9	0.00	0.00	0.00
14,100.0	90.00	89.42	6,922.6	1,846.4	6,637.7	6,881.7	0.00	0.00	0.00
14,200.0	90.00	89.42	6,922.6	1,847.4	6,737.7	6,979.4	0.00	0.00	0.00
14,300.0	90.00	89.42	6,922.6	1,848.4	6,837.7	7,077.1	0.00	0.00	0.00
14,400.0	90.00	89.42	6,922.6	1,849.5	6,937.6	7,174.9	0.00	0.00	0.00
14,500.0	90.00	89.42	6,922.6	1,850.5	7,037.6	7,272.6	0.00	0.00	0.00
14,600.0	90.00	89.42	6,922.6	1,851.5	7,137.6	7,370.4	0.00	0.00	0.00
14,700.0	90.00	89.42	6,922.6	1,852.5	7,237.6	7,468.1	0.00	0.00	0.00
14,800.0	90.00	89.42	6,922.6	1,853.5	7,337.6	7,565.9	0.00	0.00	0.00
14,900.0	90.00	89.42	6,922.6	1,854.5	7,437.6	7,663.6	0.00	0.00	0.00
15,000.0	90.00	89.42	6,922.6	1,855.5	7,537.6	7,761.3	0.00	0.00	0.00
15,100.0	90.00	89.42	6,922.6	1,856.5	7,637.6	7,859.1	0.00	0.00	0.00
15,200.0	90.00	89.42	6,922.6	1,857.5	7,737.6	7,956.8	0.00	0.00	0.00

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Project:</b>	SEC.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>North Reference:</b>	True
<b>Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
15,300.0	90.00	89.42	6,922.6	1,858.5	7,837.6	8,054.6	0.00	0.00	0.00	
15,400.0	90.00	89.42	6,922.6	1,859.6	7,937.6	8,152.3	0.00	0.00	0.00	
15,500.0	90.00	89.42	6,922.6	1,860.6	8,037.6	8,250.0	0.00	0.00	0.00	
15,600.0	90.00	89.42	6,922.6	1,861.6	8,137.6	8,347.8	0.00	0.00	0.00	
15,674.1	90.00	89.42	6,922.6	1,862.3	8,211.7	8,420.2	0.00	0.00	0.00	
<b>BHL 470'FNL &amp; 470'FEL, Sec.25</b>										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
7,633.7	6,922.6	7"	7	7-1/2		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
3,300.0	3,300.0	0.0	0.0	KOP - Start Build 3.00	
6,906.0	6,509.4	1,540.3	-265.3	Start DLS 13.00 TFO 97.98	
15,674.1	6,922.6	1,862.3	8,211.7	TD at 15674.1	



## **Directional**

### **Great Western**

**SEC.26-T6N-R67W**

**Kodak North Pad Sec.26-T6N-R67W**

**Kodak North FD 25-039HN**

**Wellbore #1**

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

## **Anticollision Report**

**22 November, 2013**

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

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

<b>Survey Tool Program</b>	Date	11/22/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	15,674.1	Plan #1 (11-21-13) (Wellbore #1)	MWD	MWD - Standard

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
Kodak North Pad Sec.26-T6N-R67W						
Kodak North FD 25-039HC - Wellbore #1 - Plan #1 (11-2	3,100.0	3,100.0	30.1	16.3	2.192	CC
Kodak North FD 25-039HC - Wellbore #1 - Plan #1 (11-2	15,674.1	15,915.8	263.4	-77.5	0.773	Level 1, ES, SF
Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2	3,300.0	3,300.0	29.5	14.9	2.019	CC, ES
Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2	15,674.1	15,520.6	620.1	150.7	1.321	Level 3, SF
Kodak North FD 25-119HC - Wellbore #1 - Plan #1 (11-2	3,300.0	3,300.0	59.6	44.9	4.076	CC, ES
Kodak North FD 25-119HC - Wellbore #1 - Plan #1 (11-2	3,400.0	3,400.0	60.1	45.0	3.988	SF
Kodak North FD 25-122HN - Wellbore #1 - Plan #1 (11-2	3,300.0	3,300.0	116.5	101.9	7.977	CC, ES
Kodak North FD 25-122HN - Wellbore #1 - Plan #1 (11-2	3,400.0	3,400.0	119.0	104.0	7.910	SF
Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2	3,300.0	3,300.0	89.6	75.0	6.133	CC, ES
Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2	3,500.0	3,499.6	92.0	76.5	5.934	SF

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
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		

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft	
Survey Program: 0-MWD													Offset Well Error:		0.0ft
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			
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 CC			
3,200.0	3,200.0	3,199.7	3,199.7	7.1	7.1	-85.13	2.6	-30.4	30.5	16.4	14.16	2.155			
3,300.0	3,300.0	3,298.9	3,298.5	7.3	7.3	-71.92	10.3	-31.4	33.1	18.5	14.60	2.267			
3,400.0	3,400.0	3,397.3	3,396.1	7.5	7.5	-48.18	22.9	-33.1	38.7	23.6	15.04	2.572			
3,500.0	3,499.6	3,495.2	3,492.4	7.8	7.8	-38.04	40.4	-35.5	45.8	30.3	15.45	2.962			
3,600.0	3,598.8	3,592.7	3,587.2	8.0	8.0	-30.68	62.6	-38.5	53.7	37.8	15.82	3.392			
3,700.0	3,697.1	3,689.6	3,680.3	8.2	8.3	-25.18	89.5	-42.1	62.0	45.9	16.16	3.838			
3,800.0	3,794.3	3,786.1	3,771.4	8.5	8.6	-20.93	120.8	-46.3	70.6	54.1	16.46	4.288			
3,900.0	3,890.2	3,882.1	3,860.4	8.8	9.0	-17.55	156.5	-51.1	79.2	62.5	16.73	4.735			
4,000.0	3,984.4	3,977.7	3,947.1	9.1	9.4	-14.78	196.4	-56.5	87.8	70.8	16.97	5.174			
4,100.0	4,076.8	4,072.8	4,031.3	9.5	9.9	-12.45	240.3	-62.4	96.3	79.1	17.18	5.604			
4,200.0	4,167.1	4,171.2	4,116.6	9.9	10.5	-10.54	288.9	-68.9	103.4	86.0	17.38	5.947			
4,300.0	4,254.9	4,271.1	4,203.2	10.5	11.2	-9.29	338.4	-75.6	105.5	88.0	17.58	6.005			
4,400.0	4,341.4	4,371.1	4,289.8	11.1	11.9	-8.33	387.9	-82.2	105.0	86.9	18.13	5.793			
4,500.0	4,428.0	4,471.1	4,376.4	11.8	12.7	-7.35	437.4	-88.9	104.5	85.8	18.71	5.586			
4,600.0	4,514.5	4,571.1	4,463.0	12.5	13.4	-6.36	486.9	-95.5	104.0	84.7	19.31	5.389			
4,700.0	4,601.0	4,671.1	4,549.6	13.2	14.2	-5.37	536.4	-102.2	103.6	83.7	19.92	5.203			
4,800.0	4,687.5	4,771.1	4,636.2	14.0	15.1	-4.36	585.9	-108.9	103.2	82.7	20.54	5.025			
4,900.0	4,774.0	4,871.0	4,722.8	14.8	15.9	-3.35	635.4	-115.5	102.8	81.7	21.17	4.857			
5,000.0	4,860.5	4,971.0	4,809.4	15.6	16.7	-2.33	684.9	-122.2	102.5	80.7	21.82	4.697			
5,100.0	4,947.0	5,071.0	4,896.0	16.5	17.6	-1.31	734.4	-128.8	102.2	79.7	22.49	4.544			
5,200.0	5,033.5	5,171.0	4,982.6	17.3	18.5	-0.28	784.0	-135.5	101.9	78.7	23.17	4.399			
5,300.0	5,120.0	5,271.0	5,069.3	18.2	19.4	0.76	833.5	-142.2	101.7	77.8	23.87	4.259			
5,400.0	5,206.6	5,371.0	5,155.9	19.1	20.3	1.80	883.0	-148.8	101.4	76.9	24.59	4.126			
5,500.0	5,293.1	5,470.9	5,242.5	20.0	21.2	2.85	932.5	-155.5	101.3	75.9	25.33	3.998			
5,600.0	5,379.6	5,570.9	5,329.1	20.9	22.1	3.89	982.0	-162.1	101.1	75.0	26.10	3.874			
5,700.0	5,466.1	5,670.9	5,415.7	21.8	23.0	4.94	1,031.5	-168.8	101.0	74.1	26.90	3.755			
5,800.0	5,552.6	5,770.9	5,502.3	22.7	23.9	6.00	1,081.0	-175.5	100.9	73.2	27.73	3.640			
5,900.0	5,639.1	5,870.9	5,588.9	23.6	24.8	7.05	1,130.5	-182.1	100.9	72.3	28.59	3.529			
5,969.6	5,699.3	5,940.4	5,649.2	24.2	25.5	7.78	1,165.0	-186.8	100.9	71.7	29.22	3.453			
6,000.0	5,725.6	5,970.9	5,675.5	24.5	25.7	8.11	1,180.0	-188.8	100.9	71.4	29.50	3.421			
6,100.0	5,812.1	6,070.8	5,762.1	25.4	26.7	9.16	1,229.6	-195.4	100.9	70.5	30.44	3.316			
6,200.0	5,898.6	6,170.8	5,848.7	26.4	27.6	10.21	1,279.1	-202.1	101.0	69.6	31.42	3.214			
6,300.0	5,985.1	6,270.8	5,935.3	27.3	28.5	11.26	1,328.6	-208.8	101.1	68.6	32.44	3.116			
6,400.0	6,071.7	6,370.8	6,021.9	28.2	29.5	12.31	1,378.1	-215.4	101.2	67.7	33.51	3.020			
6,500.0	6,158.2	6,470.8	6,108.5	29.2	30.4	13.36	1,427.6	-222.1	101.4	66.7	34.62	2.928			
6,600.0	6,244.7	6,570.8	6,195.1	30.1	31.4	14.40	1,477.1	-228.7	101.6	65.8	35.79	2.838			
6,700.0	6,331.2	6,670.7	6,281.8	31.1	32.3	15.44	1,526.6	-235.4	101.8	64.8	37.00	2.752			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0ft	
Survey Program: 0-MWD													Offset Well Error:		0.0ft
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			
6,800.0	6,417.7	6,770.7	6,368.4	32.0	33.2	16.47	1,576.1	-242.1	102.1	63.8	38.26	2.668			
6,900.0	6,504.2	6,870.7	6,455.0	33.0	34.2	17.50	1,625.7	-248.7	102.4	62.8	39.56	2.587			
7,000.0	6,590.8	6,970.2	6,541.1	33.8	35.1	-8.16	1,674.9	-255.3	101.3	62.8	38.56	2.628			
7,037.4	6,622.7	7,006.5	6,572.6	34.0	35.5	-20.67	1,692.9	-257.8	101.0	63.3	37.67	2.620			
7,100.0	6,674.8	7,065.2	6,623.5	34.4	36.0	-42.58	1,722.0	-261.7	103.2	65.4	37.87	2.726			
7,200.0	6,751.9	7,151.1	6,697.8	35.0	36.9	-73.78	1,764.5	-267.4	124.2	82.0	42.26	2.939			
7,300.0	6,818.1	7,253.7	6,786.7	35.5	37.7	-98.25	1,815.3	-263.3	167.5	123.6	43.89	3.816			
7,400.0	6,870.1	7,383.3	6,893.5	35.8	38.6	-114.29	1,876.7	-224.7	217.0	177.5	39.49	5.495			
7,500.0	6,905.1	7,556.8	7,012.6	36.1	39.5	-124.58	1,945.4	-120.8	261.3	229.0	32.28	8.094			
7,600.0	6,921.5	7,787.9	7,101.0	36.3	40.2	-129.70	1,997.1	83.5	286.8	259.4	27.38	10.474			
7,700.0	6,922.6	7,941.8	7,108.6	36.4	40.4	-130.15	2,002.3	236.7	288.5	259.8	28.70	10.051			
7,800.0	6,922.6	8,041.8	7,108.6	36.6	40.6	-130.20	2,002.9	336.7	288.1	257.1	31.06	9.276			
7,900.0	6,922.6	8,141.8	7,108.6	36.9	40.9	-130.26	2,003.5	436.7	287.8	254.0	33.82	8.509			
8,000.0	6,922.6	8,241.8	7,108.6	37.4	41.3	-130.31	2,004.1	536.7	287.5	250.6	36.89	7.793			
8,100.0	6,922.6	8,341.8	7,108.6	38.1	41.9	-130.37	2,004.7	636.7	287.2	247.0	40.19	7.144			
8,200.0	6,922.6	8,441.8	7,108.6	39.0	42.6	-130.42	2,005.2	736.7	286.8	243.2	43.68	6.567			
8,300.0	6,922.6	8,541.8	7,108.6	40.1	43.6	-130.48	2,005.8	836.7	286.5	239.2	47.30	6.058			
8,400.0	6,922.6	8,641.8	7,108.6	41.5	44.7	-130.53	2,006.4	936.7	286.2	235.2	51.02	5.609			
8,500.0	6,922.6	8,741.8	7,108.6	43.2	46.1	-130.59	2,007.0	1,036.7	285.9	231.0	54.84	5.213			
8,600.0	6,922.6	8,841.8	7,108.6	45.0	47.7	-130.65	2,007.6	1,136.7	285.5	226.8	58.71	4.864			
8,700.0	6,922.6	8,941.8	7,108.6	47.0	49.5	-130.70	2,008.2	1,236.7	285.2	222.6	62.64	4.553			
8,800.0	6,922.6	9,041.8	7,108.6	49.2	51.4	-130.76	2,008.7	1,336.7	284.9	218.3	66.61	4.277			
8,900.0	6,922.6	9,141.8	7,108.6	51.4	53.5	-130.81	2,009.3	1,436.7	284.6	214.0	70.62	4.030			
9,000.0	6,922.6	9,241.8	7,108.6	53.7	55.6	-130.87	2,009.9	1,536.7	284.3	209.6	74.65	3.808			
9,100.0	6,922.6	9,341.8	7,108.6	56.1	57.9	-130.93	2,010.5	1,636.7	283.9	205.2	78.70	3.608			
9,200.0	6,922.6	9,441.8	7,108.6	58.6	60.2	-130.98	2,011.1	1,736.7	283.6	200.8	82.77	3.427			
9,300.0	6,922.6	9,541.8	7,108.6	61.0	62.6	-131.04	2,011.7	1,836.7	283.3	196.4	86.85	3.262			
9,400.0	6,922.6	9,641.8	7,108.6	63.6	65.0	-131.10	2,012.2	1,936.7	283.0	192.0	90.95	3.111			
9,500.0	6,922.6	9,741.8	7,108.6	66.1	67.5	-131.15	2,012.8	2,036.7	282.7	187.6	95.05	2.974			
9,600.0	6,922.6	9,841.7	7,108.6	68.7	70.0	-131.21	2,013.4	2,136.7	282.3	183.2	99.16	2.847			
9,700.0	6,922.6	9,941.7	7,108.6	71.3	72.5	-131.27	2,014.0	2,236.7	282.0	178.7	103.28	2.731			
9,800.0	6,922.6	10,041.7	7,108.6	73.9	75.1	-131.32	2,014.6	2,336.6	281.7	174.3	107.40	2.623			
9,900.0	6,922.6	10,141.7	7,108.6	76.5	77.6	-131.38	2,015.2	2,436.6	281.4	169.9	111.52	2.523			
10,000.0	6,922.6	10,241.7	7,108.6	79.1	80.2	-131.44	2,015.7	2,536.6	281.1	165.4	115.64	2.430			
10,100.0	6,922.6	10,341.7	7,108.6	81.8	82.8	-131.49	2,016.3	2,636.6	280.7	161.0	119.76	2.344			
10,200.0	6,922.6	10,441.7	7,108.6	84.4	85.5	-131.55	2,016.9	2,736.6	280.4	156.5	123.88	2.264			
10,300.0	6,922.6	10,541.7	7,108.6	87.1	88.1	-131.61	2,017.5	2,836.6	280.1	152.1	128.00	2.188			
10,400.0	6,922.6	10,641.7	7,108.6	89.8	90.8	-131.67	2,018.1	2,936.6	279.8	147.7	132.12	2.118			
10,500.0	6,922.6	10,741.7	7,108.6	92.5	93.4	-131.73	2,018.7	3,036.6	279.5	143.2	136.24	2.051			
10,600.0	6,922.6	10,841.7	7,108.6	95.2	96.1	-131.78	2,019.2	3,136.6	279.1	138.8	140.35	1.989			
10,700.0	6,922.6	10,941.7	7,108.6	97.9	98.8	-131.84	2,019.8	3,236.6	278.8	134.4	144.46	1.930			
10,800.0	6,922.6	11,041.7	7,108.6	100.6	101.4	-131.90	2,020.4	3,336.6	278.5	129.9	148.57	1.875			
10,900.0	6,922.6	11,141.7	7,108.6	103.3	104.1	-131.96	2,021.0	3,436.6	278.2	125.5	152.68	1.822			
11,000.0	6,922.6	11,241.7	7,108.6	106.0	106.8	-132.02	2,021.6	3,536.6	277.9	121.1	156.77	1.772			
11,100.0	6,922.6	11,341.7	7,108.6	108.7	109.5	-132.08	2,022.2	3,636.6	277.6	116.7	160.87	1.725			
11,200.0	6,922.6	11,441.7	7,108.6	111.5	112.3	-132.14	2,022.7	3,736.6	277.2	112.3	164.96	1.681			
11,300.0	6,922.6	11,541.7	7,108.6	114.2	115.0	-132.20	2,023.3	3,836.6	276.9	107.9	169.04	1.638			
11,400.0	6,922.6	11,641.7	7,108.6	116.9	117.7	-132.25	2,023.9	3,936.6	276.6	103.5	173.12	1.598			
11,500.0	6,922.6	11,741.7	7,108.6	119.7	120.4	-132.31	2,024.5	4,036.6	276.3	99.1	177.20	1.559			
11,600.0	6,922.6	11,841.7	7,108.6	122.4	123.1	-132.37	2,025.1	4,136.6	276.0	94.7	181.27	1.523			
11,700.0	6,922.6	11,941.7	7,108.6	125.1	125.9	-132.43	2,025.7	4,236.6	275.7	90.3	185.33	1.487 Level 3			
11,800.0	6,922.6	12,041.7	7,108.6	127.9	128.6	-132.49	2,026.2	4,336.6	275.4	86.0	189.39	1.454 Level 3			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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			
11,900.0	6,922.6	12,141.7	7,108.6	130.6	131.3	-132.55	2,026.8	4,436.6	275.0	81.6	193.44	1.422	Level 3		
12,000.0	6,922.6	12,241.7	7,108.6	133.4	134.1	-132.61	2,027.4	4,536.6	274.7	77.2	197.48	1.391	Level 3		
12,100.0	6,922.6	12,341.7	7,108.6	136.1	136.8	-132.67	2,028.0	4,636.6	274.4	72.9	201.52	1.362	Level 3		
12,200.0	6,922.6	12,441.7	7,108.6	138.9	139.6	-132.73	2,028.6	4,736.6	274.1	68.5	205.55	1.333	Level 3		
12,300.0	6,922.6	12,541.7	7,108.6	141.7	142.3	-132.79	2,029.2	4,836.6	273.8	64.2	209.58	1.306	Level 3		
12,400.0	6,922.6	12,641.7	7,108.6	144.4	145.1	-132.85	2,029.7	4,936.6	273.5	59.9	213.60	1.280	Level 3		
12,500.0	6,922.6	12,741.7	7,108.6	147.2	147.8	-132.92	2,030.3	5,036.6	273.2	55.6	217.61	1.255	Level 3		
12,600.0	6,922.6	12,841.7	7,108.6	149.9	150.6	-132.98	2,030.9	5,136.6	272.9	51.2	221.61	1.231	Level 2		
12,700.0	6,922.6	12,941.7	7,108.6	152.7	153.3	-133.04	2,031.5	5,236.6	272.5	46.9	225.61	1.208	Level 2		
12,800.0	6,922.6	13,041.7	7,108.6	155.5	156.1	-133.10	2,032.1	5,336.6	272.2	42.6	229.60	1.186	Level 2		
12,900.0	6,922.6	13,141.7	7,108.6	158.2	158.9	-133.16	2,032.7	5,436.6	271.9	38.3	233.59	1.164	Level 2		
13,000.0	6,922.6	13,241.7	7,108.6	161.0	161.6	-133.22	2,033.2	5,536.6	271.6	34.0	237.56	1.143	Level 2		
13,100.0	6,922.6	13,341.7	7,108.6	163.8	164.4	-133.28	2,033.8	5,636.6	271.3	29.8	241.53	1.123	Level 2		
13,200.0	6,922.6	13,441.7	7,108.6	166.6	167.2	-133.34	2,034.4	5,736.6	271.0	25.5	245.49	1.104	Level 2		
13,300.0	6,922.6	13,541.7	7,108.6	169.3	169.9	-133.41	2,035.0	5,836.6	270.7	21.2	249.45	1.085	Level 2		
13,400.0	6,922.6	13,641.7	7,108.6	172.1	172.7	-133.47	2,035.6	5,936.6	270.4	17.0	253.39	1.067	Level 2		
13,500.0	6,922.6	13,741.7	7,108.6	174.9	175.5	-133.53	2,036.2	6,036.6	270.1	12.7	257.33	1.049	Level 2		
13,600.0	6,922.6	13,841.7	7,108.6	177.7	178.2	-133.59	2,036.7	6,136.6	269.8	8.5	261.26	1.032	Level 2		
13,700.0	6,922.6	13,941.7	7,108.6	180.4	181.0	-133.66	2,037.3	6,236.6	269.4	4.3	265.19	1.016	Level 2		
13,800.0	6,922.6	14,041.7	7,108.6	183.2	183.8	-133.72	2,037.9	6,336.6	269.1	0.0	269.10	1.000	Level 2		
13,900.0	6,922.6	14,141.7	7,108.6	186.0	186.6	-133.78	2,038.5	6,436.6	268.8	-4.2	273.01	0.985	Level 1		
14,000.0	6,922.6	14,241.7	7,108.6	188.8	189.3	-133.84	2,039.1	6,536.6	268.5	-8.4	276.91	0.970	Level 1		
14,100.0	6,922.6	14,341.7	7,108.6	191.6	192.1	-133.91	2,039.7	6,636.6	268.2	-12.6	280.80	0.955	Level 1		
14,200.0	6,922.6	14,441.7	7,108.6	194.3	194.9	-133.97	2,040.3	6,736.6	267.9	-16.8	284.68	0.941	Level 1		
14,300.0	6,922.6	14,541.7	7,108.6	197.1	197.7	-134.03	2,040.8	6,836.6	267.6	-21.0	288.56	0.927	Level 1		
14,400.0	6,922.6	14,641.7	7,108.6	199.9	200.4	-134.10	2,041.4	6,936.6	267.3	-25.1	292.42	0.914	Level 1		
14,500.0	6,922.6	14,741.7	7,108.6	202.7	203.2	-134.16	2,042.0	7,036.6	267.0	-29.3	296.28	0.901	Level 1		
14,600.0	6,922.6	14,841.7	7,108.6	205.5	206.0	-134.22	2,042.6	7,136.6	266.7	-33.5	300.13	0.889	Level 1		
14,700.0	6,922.6	14,941.7	7,108.6	208.2	208.8	-134.29	2,043.2	7,236.6	266.4	-37.6	303.98	0.876	Level 1		
14,800.0	6,922.6	15,041.7	7,108.6	211.0	211.6	-134.35	2,043.8	7,336.6	266.1	-41.7	307.81	0.864	Level 1		
14,900.0	6,922.6	15,141.7	7,108.6	213.8	214.3	-134.42	2,044.3	7,436.6	265.8	-45.9	311.63	0.853	Level 1		
15,000.0	6,922.6	15,241.7	7,108.6	216.6	217.1	-134.48	2,044.9	7,536.6	265.5	-50.0	315.45	0.842	Level 1		
15,100.0	6,922.6	15,341.7	7,108.6	219.4	219.9	-134.54	2,045.5	7,636.6	265.2	-54.1	319.26	0.831	Level 1		
15,200.0	6,922.6	15,441.7	7,108.6	222.2	222.7	-134.61	2,046.1	7,736.6	264.9	-58.2	323.05	0.820	Level 1		
15,300.0	6,922.6	15,541.7	7,108.6	225.0	225.5	-134.67	2,046.7	7,836.6	264.6	-62.3	326.84	0.809	Level 1		
15,400.0	6,922.6	15,641.7	7,108.6	227.8	228.3	-134.74	2,047.3	7,936.6	264.3	-66.4	330.63	0.799	Level 1		
15,500.0	6,922.6	15,741.7	7,108.6	230.5	231.1	-134.80	2,047.8	8,036.6	263.9	-70.4	334.40	0.789	Level 1		
15,600.0	6,922.6	15,841.7	7,108.6	233.3	233.8	-134.87	2,048.4	8,136.6	263.6	-74.5	338.16	0.780	Level 1		
15,674.1	6,922.6	15,915.8	7,108.6	235.4	235.9	-134.92	2,048.9	8,210.6	263.4	-77.5	340.94	0.773	Level 1, ES, SF		

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	90.02	0.0	29.5	29.5						
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	29.5	29.5	29.3	0.22	131.237			
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	29.5	29.5	28.8	0.67	43.746			
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	29.5	29.5	28.4	1.12	26.247			
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	29.5	29.5	27.9	1.57	18.748			
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	29.5	29.5	27.5	2.02	14.582			
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	29.5	29.5	27.0	2.47	11.931			
700.0	700.0	700.0	700.0	1.5	1.5	90.02	0.0	29.5	29.5	26.6	2.92	10.095			
800.0	800.0	800.0	800.0	1.7	1.7	90.02	0.0	29.5	29.5	26.1	3.37	8.749			
900.0	900.0	900.0	900.0	1.9	1.9	90.02	0.0	29.5	29.5	25.7	3.82	7.720			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.02	0.0	29.5	29.5	25.2	4.27	6.907			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	90.02	0.0	29.5	29.5	24.8	4.72	6.249			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	90.02	0.0	29.5	29.5	24.3	5.17	5.706			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	90.02	0.0	29.5	29.5	23.9	5.62	5.249			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	90.02	0.0	29.5	29.5	23.4	6.07	4.861			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	90.02	0.0	29.5	29.5	23.0	6.52	4.525			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	90.02	0.0	29.5	29.5	22.5	6.97	4.233			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	90.02	0.0	29.5	29.5	22.1	7.42	3.977			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	90.02	0.0	29.5	29.5	21.6	7.87	3.750			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	90.02	0.0	29.5	29.5	21.2	8.32	3.547			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	90.02	0.0	29.5	29.5	20.7	8.77	3.365			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	90.02	0.0	29.5	29.5	20.3	9.22	3.201			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	90.02	0.0	29.5	29.5	19.8	9.66	3.052			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	90.02	0.0	29.5	29.5	19.4	10.11	2.916			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	90.02	0.0	29.5	29.5	18.9	10.56	2.792			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	90.02	0.0	29.5	29.5	18.5	11.01	2.678			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	90.02	0.0	29.5	29.5	18.0	11.46	2.573			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	90.02	0.0	29.5	29.5	17.6	11.91	2.476			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	90.02	0.0	29.5	29.5	17.1	12.36	2.386			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	90.02	0.0	29.5	29.5	16.7	12.81	2.302			
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	90.02	0.0	29.5	29.5	16.2	13.26	2.224			
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	90.02	0.0	29.5	29.5	15.8	13.71	2.151			
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	90.02	0.0	29.5	29.5	15.3	14.16	2.083			
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	90.02	0.0	29.5	29.5	14.9	14.61	2.019	CC, ES		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	104.70	0.0	29.5	30.1	15.0	15.06	1.996			
3,500.0	3,499.6	3,499.6	3,499.6	7.8	7.8	117.91	0.0	29.5	32.9	17.4	15.49	2.127			
3,600.0	3,598.8	3,598.8	3,598.8	8.0	8.0	134.11	0.0	29.5	40.7	24.9	15.87	2.567			
3,700.0	3,697.1	3,697.1	3,697.1	8.2	8.2	147.56	0.0	29.5	55.1	38.9	16.18	3.401			
3,800.0	3,794.3	3,794.3	3,794.3	8.5	8.4	156.77	0.0	29.5	75.9	59.4	16.45	4.614			
3,900.0	3,890.2	3,890.2	3,890.2	8.8	8.6	162.76	0.0	29.5	102.7	86.0	16.66	6.163			
4,000.0	3,984.4	3,984.4	3,984.4	9.1	8.8	166.72	0.0	29.5	135.0	118.2	16.84	8.019			
4,100.0	4,076.8	4,076.8	4,076.8	9.5	9.1	169.41	0.0	29.5	172.6	155.6	16.98	10.166			
4,200.0	4,167.1	4,167.1	4,167.1	9.9	9.3	171.30	0.0	29.5	215.2	198.1	17.08	12.599			
4,300.0	4,254.9	4,254.9	4,254.9	10.5	9.5	172.67	0.0	29.5	262.5	245.4	17.14	15.314			
4,400.0	4,341.4	4,349.5	4,349.5	11.1	9.7	173.93	0.6	29.3	311.9	294.3	17.58	17.741			
4,500.0	4,428.0	4,457.5	4,457.3	11.8	9.9	174.99	6.2	27.6	357.1	339.0	18.06	19.769			
4,600.0	4,514.5	4,571.5	4,570.6	12.5	10.2	175.87	18.4	23.7	397.1	378.6	18.58	21.379			
4,700.0	4,601.0	4,691.3	4,688.5	13.2	10.4	176.67	38.1	17.6	431.6	412.5	19.12	22.574			
4,800.0	4,687.5	4,816.1	4,809.8	14.0	10.7	177.44	66.1	8.8	460.0	440.3	19.69	23.365			
4,900.0	4,774.0	4,945.3	4,933.1	14.8	11.1	178.21	103.0	-2.7	482.1	461.8	20.29	23.763			
5,000.0	4,860.5	5,077.8	5,056.5	15.6	11.6	179.02	149.1	-17.1	497.5	476.6	20.91	23.786			
5,100.0	4,947.0	5,212.4	5,178.1	16.5	12.1	179.91	204.1	-34.3	506.0	484.5	21.57	23.455			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	5,033.5	5,338.6	5,288.3	17.3	12.8	-179.17	262.8	-52.7	507.9	485.7	22.25	22.831			
5,204.4	5,037.3	5,343.0	5,292.1	17.4	12.8	-179.14	264.9	-53.4	507.9	485.6	22.27	22.803			
5,300.0	5,120.0	5,438.4	5,374.4	18.2	13.4	-178.42	311.0	-67.8	508.0	485.1	22.88	22.205			
5,400.0	5,206.6	5,538.2	5,460.4	19.1	14.0	-177.67	359.1	-82.8	508.1	484.6	23.53	21.594			
5,500.0	5,293.1	5,638.0	5,546.5	20.0	14.7	-176.92	407.3	-97.9	508.3	484.1	24.21	20.998			
5,600.0	5,379.6	5,737.7	5,632.6	20.9	15.4	-176.16	455.5	-113.0	508.6	483.7	24.91	20.417			
5,700.0	5,466.1	5,837.5	5,718.7	21.8	16.1	-175.41	503.6	-128.0	509.0	483.4	25.64	19.852			
5,800.0	5,552.6	5,937.3	5,804.7	22.7	16.9	-174.67	551.8	-143.1	509.5	483.1	26.40	19.301			
5,900.0	5,639.1	6,037.1	5,890.8	23.6	17.7	-173.92	600.0	-158.1	510.0	482.9	27.18	18.765			
6,000.0	5,725.6	6,136.8	5,976.9	24.5	18.5	-173.17	648.1	-173.2	510.7	482.7	27.99	18.243			
6,100.0	5,812.1	6,236.6	6,062.9	25.4	19.3	-172.43	696.3	-188.3	511.4	482.6	28.84	17.736			
6,200.0	5,898.6	6,336.4	6,149.0	26.4	20.2	-171.69	744.4	-203.3	512.3	482.6	29.71	17.243			
6,300.0	5,985.1	6,436.2	6,235.1	27.3	21.0	-170.95	792.6	-218.4	513.2	482.6	30.61	16.764			
6,400.0	6,071.7	6,536.0	6,321.2	28.2	21.9	-170.21	840.8	-233.5	514.2	482.6	31.55	16.300			
6,500.0	6,158.2	6,635.7	6,407.2	29.2	22.8	-169.48	888.9	-248.5	515.3	482.7	32.51	15.849			
6,600.0	6,244.7	6,736.4	6,494.1	30.1	23.7	-168.77	937.6	-263.5	516.4	482.9	33.50	15.416			
6,700.0	6,331.2	6,841.9	6,585.9	31.1	24.4	-169.78	989.0	-263.4	516.9	482.9	34.01	15.198			
6,800.0	6,417.7	6,938.0	6,667.3	32.0	25.0	-173.07	1,034.8	-241.5	517.5	483.5	33.98	15.229			
6,900.0	6,504.2	7,018.4	6,730.8	33.0	25.4	-177.43	1,070.7	-208.1	521.8	487.8	34.01	15.346			
7,000.0	6,590.8	7,087.7	6,780.5	33.8	25.6	156.15	1,098.9	-169.0	532.0	497.3	34.73	15.321			
7,100.0	6,674.8	7,153.6	6,822.3	34.4	25.8	132.47	1,122.7	-123.9	545.7	509.6	36.15	15.096			
7,200.0	6,751.9	7,217.4	6,856.7	35.0	26.0	115.52	1,142.3	-74.0	560.7	523.1	37.58	14.919			
7,300.0	6,818.1	7,279.5	6,883.8	35.5	26.1	104.07	1,157.9	-20.3	574.9	536.4	38.49	14.937			
7,400.0	6,870.1	7,340.7	6,903.7	35.8	26.2	96.61	1,169.5	36.2	586.8	548.0	38.88	15.094			
7,500.0	6,905.1	7,400.0	6,916.4	36.1	26.3	92.15	1,177.1	93.6	595.3	556.2	39.16	15.201			
7,600.0	6,921.5	7,461.3	6,922.3	36.3	26.4	90.15	1,180.8	154.5	599.6	559.7	39.94	15.012			
7,700.0	6,922.6	7,549.4	6,922.6	36.4	26.5	90.00	1,181.7	242.6	600.2	558.1	42.10	14.257			
7,800.0	6,922.6	7,649.4	6,922.6	36.6	26.8	90.00	1,182.4	342.5	600.4	555.3	45.10	13.313			
7,900.0	6,922.6	7,749.4	6,922.6	36.9	27.5	90.00	1,183.2	442.5	600.7	552.1	48.57	12.368			
8,000.0	6,922.6	7,849.4	6,922.6	37.4	28.6	90.00	1,183.9	542.5	600.9	548.5	52.41	11.466			
8,100.0	6,922.6	7,949.4	6,922.6	38.1	30.2	90.00	1,184.7	642.5	601.2	544.6	56.55	10.632			
8,200.0	6,922.6	8,049.4	6,922.6	39.0	32.1	90.00	1,185.5	742.5	601.4	540.5	60.92	9.872			
8,300.0	6,922.6	8,149.4	6,922.6	40.1	34.1	90.00	1,186.2	842.5	601.7	536.2	65.48	9.188			
8,400.0	6,922.6	8,249.4	6,922.6	41.5	36.3	90.00	1,187.0	942.5	601.9	531.7	70.20	8.575			
8,500.0	6,922.6	8,349.4	6,922.6	43.2	38.7	90.00	1,187.7	1,042.5	602.2	527.1	75.04	8.025			
8,600.0	6,922.6	8,449.4	6,922.6	45.0	41.0	90.00	1,188.5	1,142.5	602.4	522.4	79.98	7.532			
8,700.0	6,922.6	8,549.4	6,922.6	47.0	43.5	90.00	1,189.3	1,242.5	602.7	517.7	85.00	7.090			
8,800.0	6,922.6	8,649.4	6,922.6	49.2	46.0	90.00	1,190.0	1,342.5	602.9	512.8	90.10	6.692			
8,900.0	6,922.6	8,749.4	6,922.6	51.4	48.5	90.00	1,190.8	1,442.5	603.2	507.9	95.25	6.333			
9,000.0	6,922.6	8,849.4	6,922.6	53.7	51.1	90.00	1,191.5	1,542.5	603.4	503.0	100.45	6.007			
9,100.0	6,922.6	8,949.4	6,922.6	56.1	53.6	90.00	1,192.3	1,642.5	603.7	498.0	105.69	5.712			
9,200.0	6,922.6	9,049.4	6,922.6	58.6	56.2	90.00	1,193.1	1,742.5	603.9	493.0	110.97	5.442			
9,300.0	6,922.6	9,149.4	6,922.6	61.0	58.9	90.00	1,193.8	1,842.5	604.2	487.9	116.28	5.196			
9,400.0	6,922.6	9,249.4	6,922.6	63.6	61.5	90.00	1,194.6	1,942.5	604.4	482.8	121.62	4.970			
9,500.0	6,922.6	9,349.4	6,922.6	66.1	64.2	90.00	1,195.3	2,042.5	604.7	477.7	126.98	4.762			
9,600.0	6,922.6	9,449.4	6,922.6	68.7	66.8	90.00	1,196.1	2,142.5	604.9	472.6	132.36	4.570			
9,700.0	6,922.6	9,549.4	6,922.6	71.3	69.5	90.00	1,196.9	2,242.5	605.2	467.4	137.77	4.393			
9,800.0	6,922.6	9,649.4	6,922.6	73.9	72.2	90.00	1,197.6	2,342.5	605.4	462.2	143.18	4.228			
9,900.0	6,922.6	9,749.4	6,922.6	76.5	74.9	90.00	1,198.4	2,442.5	605.7	457.1	148.61	4.075			
10,000.0	6,922.6	9,849.4	6,922.6	79.1	77.6	90.00	1,199.1	2,542.5	605.9	451.9	154.06	3.933			
10,100.0	6,922.6	9,949.4	6,922.6	81.8	80.3	90.00	1,199.9	2,642.5	606.2	446.7	159.51	3.800			
10,200.0	6,922.6	10,049.4	6,922.6	84.4	83.0	90.00	1,200.7	2,742.5	606.4	441.4	164.98	3.676			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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			
10,300.0	6,922.6	10,149.4	6,922.6	87.1	85.7	90.00	1,201.4	2,842.5	606.7	436.2	170.46	3.559			
10,400.0	6,922.6	10,249.4	6,922.6	89.8	88.5	90.00	1,202.2	2,942.5	606.9	431.0	175.94	3.450			
10,500.0	6,922.6	10,349.4	6,922.6	92.5	91.2	90.00	1,202.9	3,042.5	607.2	425.7	181.43	3.346			
10,600.0	6,922.6	10,449.4	6,922.6	95.2	93.9	90.00	1,203.7	3,142.5	607.4	420.5	186.93	3.249			
10,700.0	6,922.6	10,549.4	6,922.6	97.9	96.7	90.00	1,204.5	3,242.5	607.7	415.2	192.44	3.158			
10,800.0	6,922.6	10,649.4	6,922.6	100.6	99.4	90.00	1,205.2	3,342.5	607.9	410.0	197.95	3.071			
10,900.0	6,922.6	10,749.4	6,922.6	103.3	102.2	90.00	1,206.0	3,442.4	608.2	404.7	203.47	2.989			
11,000.0	6,922.6	10,849.4	6,922.6	106.0	104.9	90.00	1,206.7	3,542.4	608.4	399.4	208.99	2.911			
11,100.0	6,922.6	10,949.4	6,922.6	108.7	107.7	90.00	1,207.5	3,642.4	608.7	394.1	214.52	2.837			
11,200.0	6,922.6	11,049.4	6,922.6	111.5	110.4	90.00	1,208.3	3,742.4	608.9	388.9	220.05	2.767			
11,300.0	6,922.6	11,149.4	6,922.6	114.2	113.2	90.00	1,209.0	3,842.4	609.2	383.6	225.59	2.700			
11,400.0	6,922.6	11,249.4	6,922.6	116.9	116.0	90.00	1,209.8	3,942.4	609.4	378.3	231.13	2.637			
11,500.0	6,922.6	11,349.4	6,922.6	119.7	118.7	90.00	1,210.5	4,042.4	609.7	373.0	236.67	2.576			
11,600.0	6,922.6	11,449.4	6,922.6	122.4	121.5	90.00	1,211.3	4,142.4	609.9	367.7	242.21	2.518			
11,700.0	6,922.6	11,549.4	6,922.6	125.1	124.3	90.00	1,212.1	4,242.4	610.2	362.4	247.76	2.463			
11,800.0	6,922.6	11,649.4	6,922.6	127.9	127.0	90.00	1,212.8	4,342.4	610.4	357.1	253.32	2.410			
11,900.0	6,922.6	11,749.4	6,922.6	130.6	129.8	90.00	1,213.6	4,442.4	610.7	351.8	258.87	2.359			
12,000.0	6,922.6	11,849.4	6,922.6	133.4	132.6	90.00	1,214.3	4,542.4	610.9	346.5	264.43	2.310			
12,100.0	6,922.6	11,949.4	6,922.6	136.1	135.3	90.00	1,215.1	4,642.4	611.2	341.2	269.99	2.264			
12,200.0	6,922.6	12,049.4	6,922.6	138.9	138.1	90.00	1,215.9	4,742.4	611.4	335.9	275.55	2.219			
12,300.0	6,922.6	12,149.4	6,922.6	141.7	140.9	90.00	1,216.6	4,842.4	611.7	330.5	281.11	2.176			
12,400.0	6,922.6	12,249.4	6,922.6	144.4	143.7	90.00	1,217.4	4,942.4	611.9	325.2	286.68	2.134			
12,500.0	6,922.6	12,349.4	6,922.6	147.2	146.4	90.00	1,218.1	5,042.4	612.2	319.9	292.24	2.095			
12,600.0	6,922.6	12,449.4	6,922.6	149.9	149.2	90.00	1,218.9	5,142.4	612.4	314.6	297.81	2.056			
12,700.0	6,922.6	12,549.4	6,922.6	152.7	152.0	90.00	1,219.7	5,242.4	612.7	309.3	303.38	2.019			
12,800.0	6,922.6	12,649.4	6,922.6	155.5	154.8	90.00	1,220.4	5,342.4	612.9	303.9	308.95	1.984			
12,900.0	6,922.6	12,749.4	6,922.6	158.2	157.6	90.00	1,221.2	5,442.4	613.2	298.6	314.53	1.949			
13,000.0	6,922.6	12,849.4	6,922.6	161.0	160.4	90.00	1,221.9	5,542.4	613.4	293.3	320.10	1.916			
13,100.0	6,922.6	12,949.4	6,922.6	163.8	163.1	90.00	1,222.7	5,642.4	613.7	288.0	325.68	1.884			
13,200.0	6,922.6	13,049.4	6,922.6	166.6	165.9	90.00	1,223.5	5,742.4	613.9	282.6	331.26	1.853			
13,300.0	6,922.6	13,149.4	6,922.6	169.3	168.7	90.00	1,224.2	5,842.4	614.2	277.3	336.83	1.823			
13,400.0	6,922.6	13,249.4	6,922.6	172.1	171.5	90.00	1,225.0	5,942.4	614.4	272.0	342.41	1.794			
13,500.0	6,922.6	13,349.4	6,922.6	174.9	174.3	90.00	1,225.7	6,042.4	614.6	266.7	347.99	1.766			
13,600.0	6,922.6	13,449.4	6,922.6	177.7	177.1	90.00	1,226.5	6,142.4	614.9	261.3	353.58	1.739			
13,700.0	6,922.6	13,549.4	6,922.6	180.4	179.9	90.00	1,227.3	6,242.4	615.1	256.0	359.16	1.713			
13,800.0	6,922.6	13,649.4	6,922.6	183.2	182.6	90.00	1,228.0	6,342.4	615.4	250.7	364.74	1.687			
13,900.0	6,922.6	13,749.4	6,922.6	186.0	185.4	90.00	1,228.8	6,442.4	615.6	245.3	370.33	1.662			
14,000.0	6,922.6	13,849.4	6,922.6	188.8	188.2	90.00	1,229.5	6,542.3	615.9	240.0	375.91	1.638			
14,100.0	6,922.6	13,949.4	6,922.6	191.6	191.0	90.00	1,230.3	6,642.3	616.1	234.6	381.50	1.615			
14,200.0	6,922.6	14,049.4	6,922.6	194.3	193.8	90.00	1,231.1	6,742.3	616.4	229.3	387.08	1.592			
14,300.0	6,922.6	14,149.4	6,922.6	197.1	196.6	90.00	1,231.8	6,842.3	616.6	224.0	392.67	1.570			
14,400.0	6,922.6	14,249.4	6,922.6	199.9	199.4	90.00	1,232.6	6,942.3	616.9	218.6	398.26	1.549			
14,500.0	6,922.6	14,349.4	6,922.6	202.7	202.2	90.00	1,233.3	7,042.3	617.1	213.3	403.85	1.528			
14,600.0	6,922.6	14,449.4	6,922.6	205.5	205.0	90.00	1,234.1	7,142.3	617.4	208.0	409.44	1.508			
14,700.0	6,922.6	14,549.4	6,922.6	208.2	207.8	90.00	1,234.9	7,242.3	617.6	202.6	415.03	1.488 Level 3			
14,800.0	6,922.6	14,649.4	6,922.6	211.0	210.6	90.00	1,235.6	7,342.3	617.9	197.3	420.62	1.469 Level 3			
14,900.0	6,922.6	14,749.4	6,922.6	213.8	213.3	90.00	1,236.4	7,442.3	618.1	191.9	426.21	1.450 Level 3			
15,000.0	6,922.6	14,849.4	6,922.6	216.6	216.1	90.00	1,237.1	7,542.3	618.4	186.6	431.80	1.432 Level 3			
15,100.0	6,922.6	14,949.4	6,922.6	219.4	218.9	90.00	1,237.9	7,642.3	618.6	181.2	437.39	1.414 Level 3			
15,200.0	6,922.6	15,049.4	6,922.6	222.2	221.7	90.00	1,238.7	7,742.3	618.9	175.9	442.99	1.397 Level 3			
15,300.0	6,922.6	15,149.4	6,922.6	225.0	224.5	90.00	1,239.4	7,842.3	619.1	170.6	448.58	1.380 Level 3			
15,400.0	6,922.6	15,249.4	6,922.6	227.8	227.3	90.00	1,240.2	7,942.3	619.4	165.2	454.17	1.364 Level 3			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft	
Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-21-13)												<b>Offset Well Error:</b>	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	
15,500.0	6,922.6	15,349.4	6,922.6	230.5	230.1	90.00	1,240.9	8,042.3	619.6	159.9	459.77	1.348	Level 3	
15,600.0	6,922.6	15,449.4	6,922.6	233.3	232.9	90.00	1,241.7	8,142.3	619.9	154.5	465.36	1.332	Level 3	
15,674.1	6,922.6	15,520.6	6,922.6	235.4	234.9	90.00	1,242.2	8,213.5	620.1	150.7	469.43	1.321	Level 3, SF	

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	90.02	0.0	59.6	59.6						
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	59.6	59.6	59.3	0.22	264.949			
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	59.6	59.6	58.9	0.67	88.316			
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	59.6	59.6	58.4	1.12	52.990			
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	59.6	59.6	58.0	1.57	37.850			
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	59.6	59.6	57.5	2.02	29.439			
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	59.6	59.6	57.1	2.47	24.086			
700.0	700.0	700.0	700.0	1.5	1.5	90.02	0.0	59.6	59.6	56.6	2.92	20.381			
800.0	800.0	800.0	800.0	1.7	1.7	90.02	0.0	59.6	59.6	56.2	3.37	17.663			
900.0	900.0	900.0	900.0	1.9	1.9	90.02	0.0	59.6	59.6	55.7	3.82	15.585			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.02	0.0	59.6	59.6	55.3	4.27	13.945			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	90.02	0.0	59.6	59.6	54.8	4.72	12.617			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	90.02	0.0	59.6	59.6	54.4	5.17	11.520			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	90.02	0.0	59.6	59.6	53.9	5.62	10.598			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	90.02	0.0	59.6	59.6	53.5	6.07	9.813			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	90.02	0.0	59.6	59.6	53.0	6.52	9.136			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	90.02	0.0	59.6	59.6	52.6	6.97	8.547			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	90.02	0.0	59.6	59.6	52.1	7.42	8.029			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	90.02	0.0	59.6	59.6	51.7	7.87	7.570			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	90.02	0.0	59.6	59.6	51.2	8.32	7.161			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	90.02	0.0	59.6	59.6	50.8	8.77	6.794			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	90.02	0.0	59.6	59.6	50.3	9.22	6.462			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	90.02	0.0	59.6	59.6	49.9	9.66	6.162			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	90.02	0.0	59.6	59.6	49.4	10.11	5.888			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	90.02	0.0	59.6	59.6	49.0	10.56	5.637			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	90.02	0.0	59.6	59.6	48.5	11.01	5.407			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	90.02	0.0	59.6	59.6	48.1	11.46	5.195			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	90.02	0.0	59.6	59.6	47.6	11.91	4.999			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	90.02	0.0	59.6	59.6	47.2	12.36	4.817			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	90.02	0.0	59.6	59.6	46.7	12.81	4.648			
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	90.02	0.0	59.6	59.6	46.3	13.26	4.491			
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	90.02	0.0	59.6	59.6	45.8	13.71	4.343			
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	90.02	0.0	59.6	59.6	45.4	14.16	4.206			
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	90.02	0.0	59.6	59.6	44.9	14.61	4.076 CC, ES			
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	102.24	0.0	59.6	60.1	45.0	15.06	3.988 SF			
3,500.0	3,499.6	3,499.6	3,499.6	7.8	7.8	109.24	0.0	59.6	62.2	46.7	15.49	4.014			
3,600.0	3,598.8	3,598.8	3,598.8	8.0	8.0	119.52	0.0	59.6	67.6	51.7	15.91	4.252			
3,700.0	3,697.1	3,697.1	3,697.1	8.2	8.2	130.84	0.0	59.6	78.3	62.0	16.27	4.814			
3,800.0	3,794.3	3,794.3	3,794.3	8.5	8.4	141.07	0.0	59.6	95.4	78.8	16.57	5.759			
3,900.0	3,890.2	3,890.2	3,890.2	8.8	8.6	149.22	0.0	59.6	119.1	102.3	16.80	7.089			
4,000.0	3,984.4	3,984.4	3,984.4	9.1	8.8	155.35	0.0	59.6	149.0	132.0	16.98	8.778			
4,100.0	4,076.8	4,076.8	4,076.8	9.5	9.1	159.87	0.0	59.6	184.8	167.7	17.11	10.800			
4,200.0	4,167.1	4,167.1	4,167.1	9.9	9.3	163.21	0.0	59.6	226.0	208.8	17.21	13.136			
4,300.0	4,254.9	4,254.9	4,254.9	10.5	9.5	165.71	0.0	59.6	272.4	255.1	17.27	15.773			
4,400.0	4,341.4	4,341.4	4,341.4	11.1	9.6	167.89	0.0	59.6	321.6	303.9	17.67	18.198			
4,500.0	4,428.0	4,428.0	4,428.0	11.8	9.8	169.51	0.0	59.6	371.0	352.9	18.11	20.490			
4,600.0	4,514.5	4,514.5	4,514.5	12.5	10.0	170.75	0.0	59.6	420.6	402.0	18.56	22.662			
4,700.0	4,601.0	4,601.0	4,601.0	13.2	10.2	171.73	0.0	59.6	470.3	451.3	19.03	24.720			
4,800.0	4,687.5	4,687.5	4,687.5	14.0	10.4	172.52	0.0	59.6	520.1	500.6	19.50	26.668			
4,900.0	4,774.0	4,774.0	4,774.0	14.8	10.6	173.18	0.0	59.6	570.0	550.0	19.99	28.513			
5,000.0	4,860.5	4,860.5	4,860.5	15.6	10.8	173.73	0.0	59.6	619.9	599.4	20.49	30.259			
5,100.0	4,947.0	4,947.0	4,947.0	16.5	11.0	174.20	0.0	59.6	669.8	648.9	20.99	31.913			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	5,033.5	5,033.5	5,033.5	17.3	11.2	174.60	0.0	59.6	719.8	698.3	21.50	33.481			
5,300.0	5,120.0	5,120.0	5,120.0	18.2	11.4	174.95	0.0	59.6	769.8	747.8	22.02	34.967			
5,400.0	5,206.6	5,206.6	5,206.6	19.1	11.6	175.26	0.0	59.6	819.8	797.3	22.54	36.377			
5,500.0	5,293.1	5,293.1	5,293.1	20.0	11.8	175.53	0.0	59.6	869.9	846.8	23.06	37.716			
5,600.0	5,379.6	5,679.5	5,673.0	20.9	12.7	177.60	47.8	29.8	915.0	890.9	24.16	37.879			
5,700.0	5,466.1	5,935.2	5,901.1	21.8	13.5	-179.65	145.0	-30.6	919.5	894.4	25.12	36.607			
5,800.0	5,552.6	6,033.4	5,986.0	22.7	14.0	-178.50	186.9	-56.7	922.9	897.1	25.77	35.814			
5,900.0	5,639.1	6,131.5	6,070.8	23.6	14.5	-177.36	228.8	-82.7	926.7	900.3	26.46	35.019			
6,000.0	5,725.6	6,229.7	6,155.7	24.5	15.0	-176.22	270.6	-108.8	931.0	903.8	27.20	34.224			
6,100.0	5,812.1	6,327.8	6,240.5	25.4	15.6	-175.10	312.5	-134.8	935.5	907.6	27.99	33.430			
6,200.0	5,898.6	6,425.9	6,325.4	26.4	16.3	-173.99	354.4	-160.9	940.5	911.7	28.82	32.637			
6,300.0	5,985.1	6,524.1	6,410.2	27.3	17.0	-172.89	396.3	-186.9	945.8	916.1	29.70	31.847			
6,400.0	6,071.7	6,622.2	6,495.1	28.2	17.7	-171.80	438.2	-213.0	951.5	920.8	30.63	31.062			
6,500.0	6,158.2	6,720.4	6,579.9	29.2	18.4	-170.72	480.1	-239.0	957.5	925.9	31.61	30.286			
6,600.0	6,244.7	6,824.2	6,670.6	30.1	19.2	-169.90	524.9	-261.6	963.7	931.1	32.56	29.595			
6,700.0	6,331.2	6,931.4	6,766.4	31.1	19.7	-170.47	572.6	-261.2	969.2	936.0	33.13	29.252			
6,800.0	6,417.7	7,028.7	6,850.7	32.0	20.1	-172.29	615.0	-238.4	974.6	941.2	33.39	29.192			
6,900.0	6,504.2	7,109.8	6,916.1	33.0	20.3	-174.66	648.1	-204.0	981.9	948.3	33.56	29.254			
7,000.0	6,590.8	7,179.3	6,966.8	33.8	20.4	160.78	674.0	-164.2	992.3	958.4	33.91	29.265			

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	149.27	-100.2	59.6	116.5						
100.0	100.0	100.0	100.0	0.1	0.1	149.27	-100.2	59.6	116.5	116.3	0.22	518.522			
200.0	200.0	200.0	200.0	0.3	0.3	149.27	-100.2	59.6	116.5	115.9	0.67	172.841			
300.0	300.0	300.0	300.0	0.6	0.6	149.27	-100.2	59.6	116.5	115.4	1.12	103.704			
400.0	400.0	400.0	400.0	0.8	0.8	149.27	-100.2	59.6	116.5	115.0	1.57	74.075			
500.0	500.0	500.0	500.0	1.0	1.0	149.27	-100.2	59.6	116.5	114.5	2.02	57.614			
600.0	600.0	600.0	600.0	1.2	1.2	149.27	-100.2	59.6	116.5	114.1	2.47	47.138			
700.0	700.0	700.0	700.0	1.5	1.5	149.27	-100.2	59.6	116.5	113.6	2.92	39.886			
800.0	800.0	800.0	800.0	1.7	1.7	149.27	-100.2	59.6	116.5	113.2	3.37	34.568			
900.0	900.0	900.0	900.0	1.9	1.9	149.27	-100.2	59.6	116.5	112.7	3.82	30.501			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	149.27	-100.2	59.6	116.5	112.3	4.27	27.291			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	149.27	-100.2	59.6	116.5	111.8	4.72	24.692			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	149.27	-100.2	59.6	116.5	111.4	5.17	22.544			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	149.27	-100.2	59.6	116.5	110.9	5.62	20.741			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	149.27	-100.2	59.6	116.5	110.5	6.07	19.205			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	149.27	-100.2	59.6	116.5	110.0	6.52	17.880			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	149.27	-100.2	59.6	116.5	109.6	6.97	16.727			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	149.27	-100.2	59.6	116.5	109.1	7.42	15.713			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	149.27	-100.2	59.6	116.5	108.7	7.87	14.815			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	149.27	-100.2	59.6	116.5	108.2	8.32	14.014			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	149.27	-100.2	59.6	116.5	107.8	8.77	13.295			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	149.27	-100.2	59.6	116.5	107.3	9.22	12.647			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	149.27	-100.2	59.6	116.5	106.9	9.66	12.059			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	149.27	-100.2	59.6	116.5	106.4	10.11	11.523			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	149.27	-100.2	59.6	116.5	106.0	10.56	11.032			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	149.27	-100.2	59.6	116.5	105.5	11.01	10.582			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	149.27	-100.2	59.6	116.5	105.1	11.46	10.167			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	149.27	-100.2	59.6	116.5	104.6	11.91	9.783			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	149.27	-100.2	59.6	116.5	104.2	12.36	9.428			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	149.27	-100.2	59.6	116.5	103.7	12.81	9.097			
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	149.27	-100.2	59.6	116.5	103.3	13.26	8.789			
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	149.27	-100.2	59.6	116.5	102.8	13.71	8.500			
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	149.27	-100.2	59.6	116.5	102.4	14.16	8.231			
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	149.27	-100.2	59.6	116.5	101.9	14.61	7.977 CC, ES			
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	159.47	-100.2	59.6	119.0	104.0	15.04	7.910 SF			
3,500.0	3,499.6	3,499.6	3,499.6	7.8	7.8	160.64	-100.2	59.6	126.4	110.9	15.44	8.183			
3,600.0	3,598.8	3,598.8	3,598.8	8.0	8.0	162.31	-100.2	59.6	138.8	123.0	15.80	8.780			
3,700.0	3,697.1	3,697.1	3,697.1	8.2	8.2	164.20	-100.2	59.6	156.2	140.1	16.12	9.690			
3,800.0	3,794.3	3,794.3	3,794.3	8.5	8.4	166.06	-100.2	59.6	178.8	162.4	16.40	10.906			
3,900.0	3,890.2	3,890.2	3,890.2	8.8	8.6	167.78	-100.2	59.6	206.6	189.9	16.63	12.420			
4,000.0	3,984.4	3,984.4	3,984.4	9.1	8.8	169.27	-100.2	59.6	239.3	222.5	16.82	14.230			
4,100.0	4,076.8	4,076.8	4,076.8	9.5	9.1	170.54	-100.2	59.6	277.1	260.1	16.97	16.332			
4,200.0	4,167.1	4,167.1	4,167.1	9.9	9.3	171.60	-100.2	59.6	319.7	302.7	17.07	18.726			
4,300.0	4,254.9	4,254.9	4,254.9	10.5	9.5	172.48	-100.2	59.6	367.1	349.9	17.14	21.412			
4,400.0	4,341.4	4,341.4	4,341.4	11.1	9.6	173.37	-100.2	59.6	417.0	399.4	17.57	23.731			
4,500.0	4,428.0	4,428.0	4,428.0	11.8	9.8	174.08	-100.2	59.6	466.9	448.9	18.02	25.904			
4,600.0	4,514.5	4,514.5	4,514.5	12.5	10.0	174.66	-100.2	59.6	516.9	498.4	18.49	27.956			
4,700.0	4,601.0	4,601.0	4,601.0	13.2	10.2	175.13	-100.2	59.6	566.9	547.9	18.96	29.893			
4,800.0	4,687.5	4,687.5	4,687.5	14.0	10.4	175.52	-100.2	59.6	616.9	597.5	19.45	31.722			
4,900.0	4,774.0	4,774.0	4,774.0	14.8	10.6	175.86	-100.2	59.6	667.0	647.0	19.94	33.448			
5,000.0	4,860.5	4,860.5	4,860.5	15.6	10.8	176.15	-100.2	59.6	717.0	696.6	20.44	35.079			
5,100.0	4,947.0	4,947.0	4,947.0	16.5	11.0	176.40	-100.2	59.6	767.1	746.2	20.95	36.621			

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft	
Survey Program: 0-MWD												<b>Offset Well Error:</b>	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	5,033.5	5,033.5	5,033.5	17.3	11.2	176.62	-100.2	59.6	817.2	795.7	21.46	38.080		
5,300.0	5,120.0	5,120.0	5,120.0	18.2	11.4	176.82	-100.2	59.6	867.3	845.3	21.98	39.461		
5,400.0	5,206.6	5,206.6	5,206.6	19.1	11.6	176.99	-100.2	59.6	917.4	894.9	22.50	40.768		
5,500.0	5,293.1	5,293.1	5,293.1	20.0	11.8	177.15	-100.2	59.6	967.5	944.5	23.03	42.008		

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	89.99	0.0	89.6	89.6						
100.0	100.0	100.0	100.0	0.1	0.1	89.99	0.0	89.6	89.6	89.4	0.22	398.662			
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	89.6	89.6	88.9	0.67	132.887			
300.0	300.0	300.0	300.0	0.6	0.6	89.99	0.0	89.6	89.6	88.5	1.12	79.732			
400.0	400.0	400.0	400.0	0.8	0.8	89.99	0.0	89.6	89.6	88.0	1.57	56.952			
500.0	500.0	500.0	500.0	1.0	1.0	89.99	0.0	89.6	89.6	87.6	2.02	44.296			
600.0	600.0	600.0	600.0	1.2	1.2	89.99	0.0	89.6	89.6	87.1	2.47	36.242			
700.0	700.0	700.0	700.0	1.5	1.5	89.99	0.0	89.6	89.6	86.7	2.92	30.666			
800.0	800.0	800.0	800.0	1.7	1.7	89.99	0.0	89.6	89.6	86.2	3.37	26.577			
900.0	900.0	900.0	900.0	1.9	1.9	89.99	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	89.99	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	89.99	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	89.99	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	89.99	0.0	89.6	89.6	84.0	5.62	15.946			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	0.0	89.6	89.6	80.8	8.77	10.222			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	89.99	0.0	89.6	89.6	80.4	9.22	9.723			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	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	89.99	0.0	89.6	89.6	75.0	14.61	6.133 CC, ES			
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	101.39	0.0	89.6	90.1	75.0	15.06	5.983			
3,500.0	3,499.6	3,499.6	3,499.6	7.8	7.8	106.11	0.0	89.6	92.0	76.5	15.50	5.934 SF			
3,600.0	3,598.8	3,598.8	3,598.8	8.0	8.0	113.41	0.0	89.6	96.4	80.5	15.92	6.056			
3,700.0	3,697.1	3,697.1	3,697.1	8.2	8.2	122.23	0.0	89.6	105.1	88.8	16.31	6.440			
3,800.0	3,794.3	3,794.3	3,794.3	8.5	8.4	131.28	0.0	89.6	119.3	102.7	16.65	7.167			
3,900.0	3,890.2	3,890.2	3,890.2	8.8	8.6	139.49	0.0	89.6	140.0	123.1	16.92	8.275			
4,000.0	3,984.4	3,984.4	3,984.4	9.1	8.8	146.34	0.0	89.6	167.3	150.1	17.13	9.765			
4,100.0	4,076.8	4,076.8	4,076.8	9.5	9.1	151.80	0.0	89.6	200.8	183.5	17.28	11.618			
4,200.0	4,167.1	4,167.1	4,167.1	9.9	9.3	156.07	0.0	89.6	240.2	222.8	17.39	13.814			
4,300.0	4,254.9	4,254.9	4,254.9	10.5	9.5	159.38	0.0	89.6	285.1	267.6	17.46	16.332			
4,400.0	4,341.4	4,341.4	4,341.4	11.1	9.6	162.37	0.0	89.6	333.1	315.3	17.83	18.684			
4,500.0	4,428.0	4,428.0	4,428.0	11.8	9.8	164.63	0.0	89.6	381.7	363.5	18.25	20.921			
4,600.0	4,514.5	4,514.5	4,514.5	12.5	10.0	166.39	0.0	89.6	430.7	412.0	18.69	23.050			
4,700.0	4,601.0	4,601.0	4,601.0	13.2	10.2	167.79	0.0	89.6	479.9	460.7	19.14	25.072			
4,800.0	4,687.5	4,687.5	4,687.5	14.0	10.4	168.93	0.0	89.6	529.3	509.7	19.61	26.991			
4,900.0	4,774.0	4,774.0	4,774.0	14.8	10.6	169.88	0.0	89.6	578.8	558.7	20.09	28.811			
5,000.0	4,860.5	4,878.3	4,878.3	15.6	10.9	170.71	1.4	90.4	627.5	606.9	20.61	30.447			
5,100.0	4,947.0	4,994.9	4,994.5	16.5	11.1	171.04	8.8	94.3	672.9	651.7	21.18	31.773			

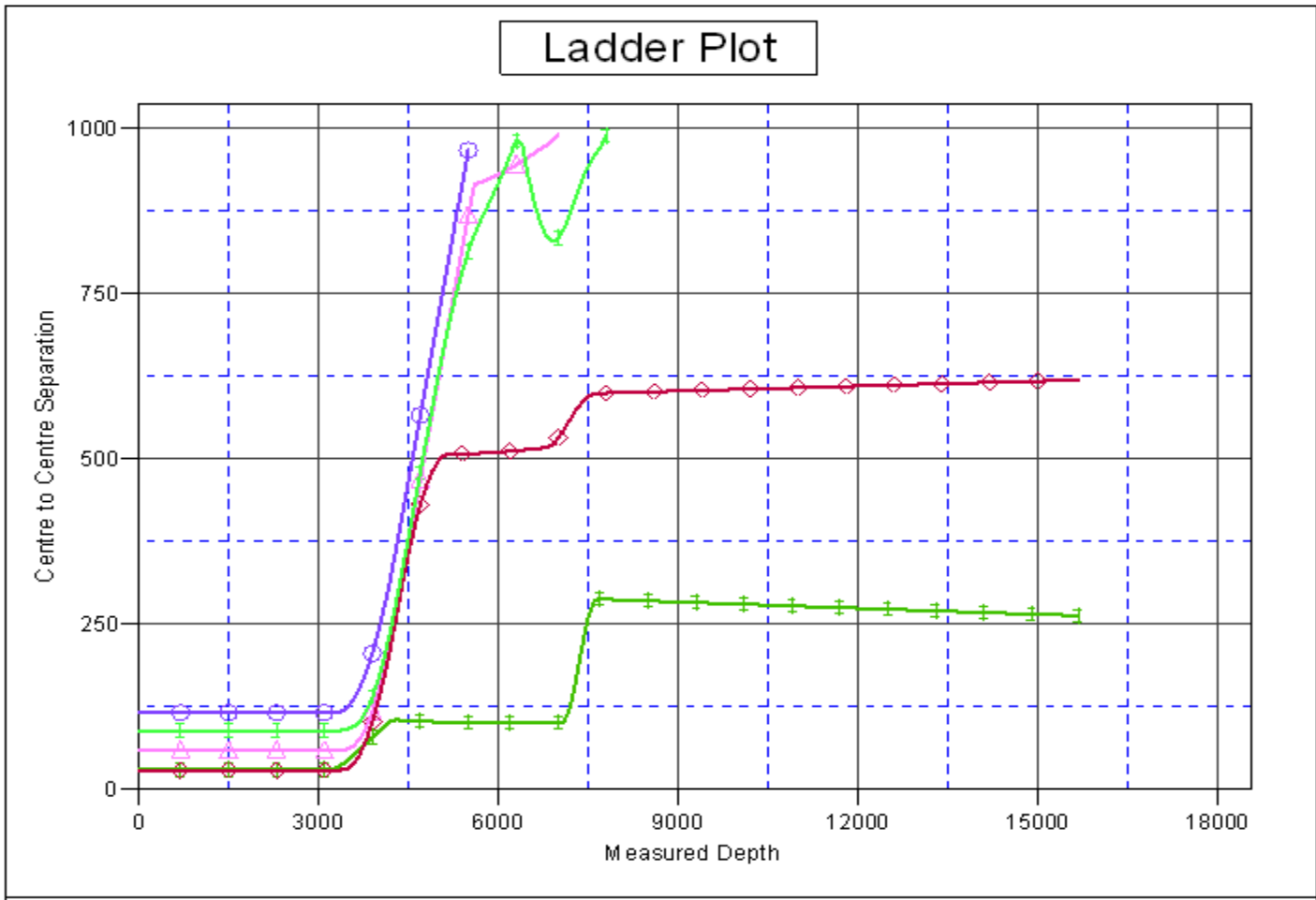
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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	5,033.5	5,116.4	5,115.0	17.3	11.4	170.84	23.0	102.0	714.3	692.5	21.79	32.786			
5,300.0	5,120.0	5,242.3	5,238.4	18.2	11.7	170.19	44.9	113.9	751.7	729.2	22.45	33.483			
5,400.0	5,206.6	5,371.6	5,363.1	19.1	12.0	169.12	74.7	130.0	784.8	761.7	23.18	33.860			
5,500.0	5,293.1	5,503.1	5,487.3	20.0	12.4	167.67	112.6	150.5	813.8	789.8	24.00	33.910			
5,600.0	5,379.6	5,635.8	5,609.3	20.9	12.9	165.85	158.3	175.2	838.8	813.9	24.95	33.622			
5,700.0	5,466.1	5,768.2	5,727.3	21.8	13.4	163.70	211.3	203.9	860.0	834.0	26.06	33.003			
5,800.0	5,552.6	5,875.7	5,820.2	22.7	14.0	161.76	258.7	229.5	878.7	851.6	27.18	32.325			
5,900.0	5,639.1	5,970.3	5,901.8	23.6	14.5	160.10	300.9	252.3	898.0	869.7	28.32	31.710			
6,000.0	5,725.6	6,064.8	5,983.3	24.5	15.1	158.50	343.0	275.1	918.0	888.5	29.53	31.088			
6,100.0	5,812.1	6,159.4	6,064.9	25.4	15.7	156.98	385.1	297.9	938.7	907.9	30.81	30.469			
6,200.0	5,898.6	6,253.9	6,146.4	26.4	16.4	155.51	427.2	320.7	960.1	927.9	32.15	29.860			
6,300.0	5,985.1	6,348.5	6,228.0	27.3	17.0	154.10	469.3	343.5	982.1	948.5	33.56	29.267			
6,400.0	6,071.7	7,590.6	6,930.6	28.2	23.3	-174.84	825.4	-217.9	976.7	940.2	36.44	26.804			
6,500.0	6,158.2	7,598.6	6,930.6	29.2	23.4	-174.29	825.3	-226.0	928.0	891.0	37.02	25.069			
6,600.0	6,244.7	7,606.7	6,930.6	30.1	23.6	-173.74	825.2	-234.1	887.9	850.3	37.62	23.602			
6,700.0	6,331.2	7,614.8	6,930.6	31.1	23.7	-173.18	825.1	-242.1	857.6	819.4	38.24	22.429			
6,800.0	6,417.7	7,622.8	6,930.6	32.0	23.8	-172.63	825.1	-250.2	838.1	799.3	38.86	21.566			
6,900.0	6,504.2	7,630.9	6,930.6	33.0	23.9	-172.07	825.0	-258.2	830.2	790.7	39.50	21.018			
6,916.3	6,518.3	7,631.9	6,930.6	33.1	24.0	-175.40	825.0	-259.3	830.1	790.5	39.59	20.965			
7,000.0	6,590.8	7,628.9	6,930.6	33.8	23.9	166.23	825.0	-256.3	834.3	794.6	39.73	20.999			
7,100.0	6,674.8	7,604.6	6,930.6	34.4	23.5	144.06	825.2	-232.0	849.5	810.0	39.43	21.543			
7,200.0	6,751.9	7,559.2	6,930.6	35.0	22.8	125.81	825.7	-186.5	872.7	833.3	39.38	22.162			
7,300.0	6,818.1	7,494.9	6,930.6	35.5	22.1	111.42	826.2	-122.3	899.2	859.7	39.49	22.771			
7,400.0	6,870.1	7,415.1	6,930.6	35.8	21.5	100.74	827.0	-42.5	923.9	884.7	39.28	23.525			
7,500.0	6,905.1	7,360.0	6,929.1	36.1	21.2	94.33	826.7	12.6	943.9	905.0	38.91	24.259			
7,600.0	6,921.5	7,312.1	6,923.0	36.3	21.1	90.59	824.0	60.0	959.4	920.7	38.68	24.805			
7,700.0	6,922.6	7,264.7	6,912.6	36.4	21.1	89.40	819.1	105.9	971.8	932.7	39.16	24.817			
7,800.0	6,922.6	7,225.0	6,900.5	36.6	21.0	88.69	813.2	143.3	989.2	949.0	40.22	24.598			

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4776.6ft (RKB - 16.5')      Coordinates are relative to: Kodak North FD 25-039HN  
 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°



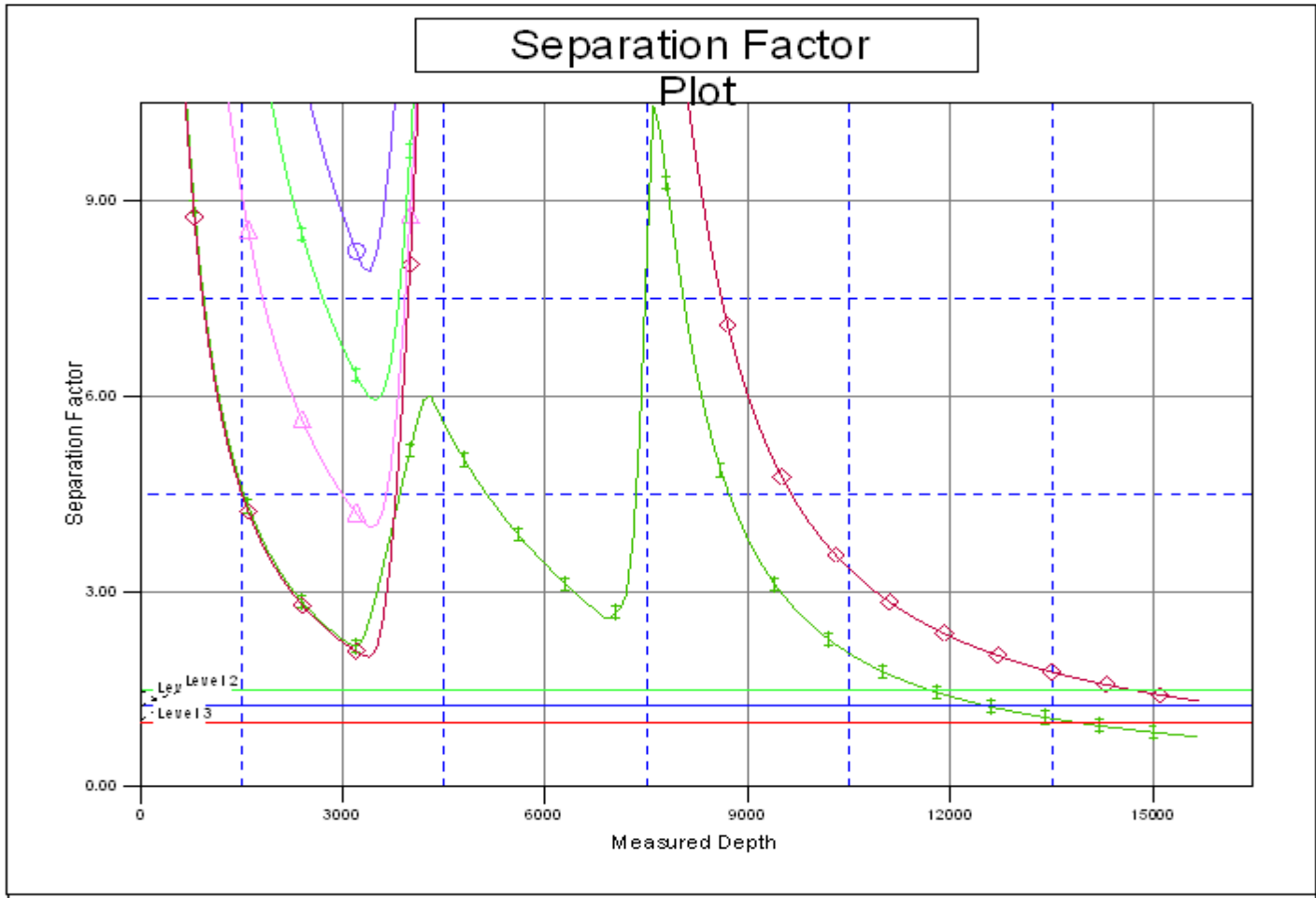
LEGEND

119HC, Wellbore #1, Plan #1 (11-21-13) V-    Kodak North FD 25-079HN, Wellbore #1, Plan #1 (11-21-13) V-    Kodak North FD 27-102HN, Wellbo  
 039HC, Wellbore #1, Plan #1 (11-21-13) V-    Kodak North FD 25-122HN, Wellbore #1, Plan #1 (11-21-13) V0

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Kodak North FD 25-039HN
<b>Project:</b>	SEC.26-T6N-R67W	<b>TVD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Reference Site:</b>	Kodak North Pad Sec.26-T6N-R67W	<b>MD Reference:</b>	WELL @ 4776.6ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kodak North FD 25-039HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (11-21-13)	<b>Offset TVD Reference:</b>	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 25-039HN  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.41°



LEGEND

- 119HC, Wellbore #1, Plan #1 (11-21-13) V0 - Kodak North FD 25-079HN, Wellbore #1, Plan #1 (11-21-13) V0
- 039HC, Wellbore #1, Plan #1 (11-21-13) V0 - Kodak North FD 25-122HN, Wellbore #1, Plan #1 (11-21-13) V0
- Kodak North FD 27-102HN, Wellbo