

Great Western

Well Name: **Kodak North FD 27-099HC**

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

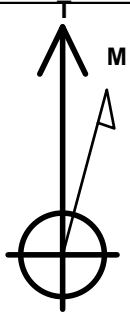
Ground Elevation: 4760.1

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1410694.08	3177176.40	40.459011	-104.863283	

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

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2252'FNL & 1970'FWL, Sec.26	1.0	0.0	0.0	Point
BHL 1084'FNL & 470'FWL, Sec.27	7115.6	1157.7	-6720.9	Point
Entry Pt. 1134'FNL & 1825'FWL, Sec.26	7115.6	1118.1	-146.9	Point



Azimuths to True North
 Magnetic North: 8.69°

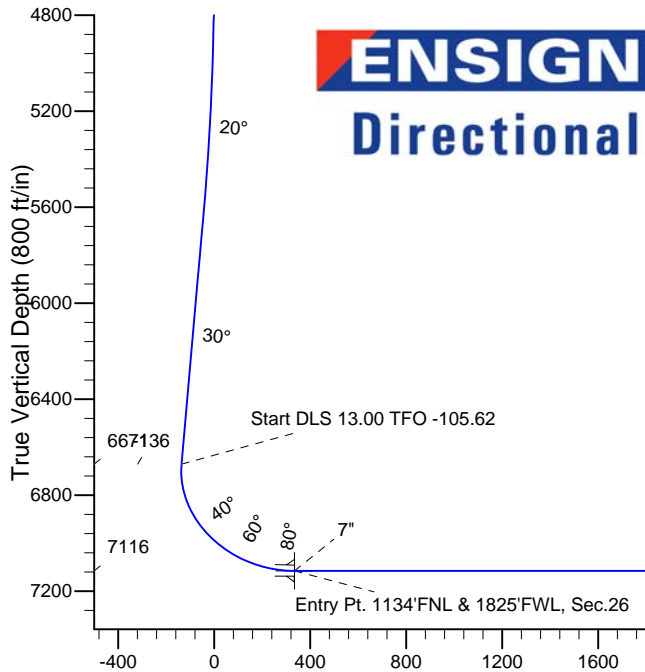
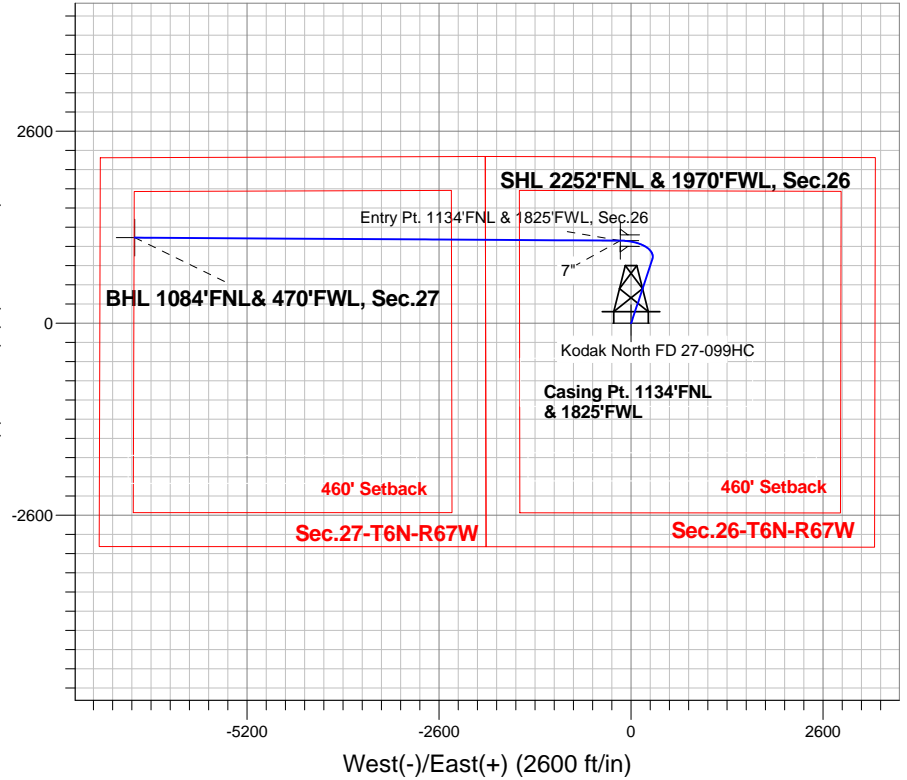
Magnetic Field
 Strength: 52895.8nT
 Dip Angle: 67.00°
 Date: 11/21/2013
 Model: IGRF2010

Kodak North Pad Sec.26-T6N-R67W
 Kodak North FD 27-099HC
 Plan #1 (11-21-13)
 12:55, November 22 2013

ANNOTATIONS

TVD	MD	Annotation
4600.0	4600.0	KOP - Start Build 3.00
6670.9	6894.9	Start DLS 13.00 TFO -105.62
7115.6	14230.6	TD at 14230.6

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	4600.0	0.00	0.00	4600.0	0.0	0.0	0.00	0.00	0.0	
3	5616.1	30.48	18.32	5568.8	250.6	83.0	3.00	18.32	-39.2	
4	6894.9	30.48	18.32	6670.9	866.4	286.9	0.00	0.00	-135.6	
5	7656.4	90.00	270.35	7115.6	1118.1	-146.9	13.00	-105.62	334.6	Entry Pt. 1134'FNL & 1825'FWL, Sec.26
6	7656.9	90.00	270.35	7115.6	1118.1	-147.4	1.00	-90.00	335.1	
7	14230.6	90.00	270.35	7115.6	1157.7	-6720.9	0.00	0.00	6819.9	BHL 1084'FNL & 470'FWL, Sec.27

BHL 1084'FNL & 470'FWL, Sec.27

TD at 14230.6

Vertical Section at 279.77° (800 ft/in)



Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-099HC

Wellbore #1

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

Standard Planning Report

22 November, 2013

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

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

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

Well	Kodak North FD 27-099HC					
Well Position	+N/-S	-0.1 ft	Northing:	1,410,694.08 ft	Latitude:	40.459011
	+E/-W	150.0 ft	Easting:	3,177,176.40 ft	Longitude:	-104.863283
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,760.1 ft

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

Design	Plan #1 (11-21-13)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	279.77

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	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,616.1	30.48	18.32	5,568.8	250.6	83.0	3.00	3.00	0.00	18.32	
6,894.9	30.48	18.32	6,670.9	866.4	286.9	0.00	0.00	0.00	0.00	
7,656.4	90.00	270.35	7,115.6	1,118.1	-146.9	13.00	7.82	-14.18	-105.62	Entry Pt. 1134'FNL
7,656.9	90.00	270.35	7,115.6	1,118.1	-147.4	1.00	0.00	-1.00	-90.00	
14,230.6	90.00	270.35	7,115.6	1,157.7	-6,720.9	0.00	0.00	0.00	0.00	BHL 1084'FNL& 47

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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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 27-099HC	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 2252'FNL & 1970'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
KOP - Start Build 3.00									
4,700.0	3.00	18.32	4,700.0	2.5	0.8	-0.4	3.00	3.00	0.00
4,800.0	6.00	18.32	4,799.6	9.9	3.3	-1.6	3.00	3.00	0.00
4,900.0	9.00	18.32	4,898.8	22.3	7.4	-3.5	3.00	3.00	0.00
5,000.0	12.00	18.32	4,997.1	39.6	13.1	-6.2	3.00	3.00	0.00

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Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-099HC	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)	
5,100.0	15.00	18.32	5,094.3	61.8	20.5	-9.7	3.00	3.00	0.00	
5,200.0	18.00	18.32	5,190.2	88.7	29.4	-13.9	3.00	3.00	0.00	
5,300.0	21.00	18.32	5,284.4	120.4	39.9	-18.8	3.00	3.00	0.00	
5,400.0	24.00	18.32	5,376.8	156.7	51.9	-24.5	3.00	3.00	0.00	
5,500.0	27.00	18.32	5,467.1	197.6	65.4	-30.9	3.00	3.00	0.00	
5,600.0	30.00	18.32	5,554.9	242.9	80.4	-38.0	3.00	3.00	0.00	
5,616.1	30.48	18.32	5,568.8	250.6	83.0	-39.2	3.00	3.00	0.00	
5,700.0	30.48	18.32	5,641.1	291.0	96.3	-45.5	0.00	0.00	0.00	
5,800.0	30.48	18.32	5,727.3	339.2	112.3	-53.1	0.00	0.00	0.00	
5,900.0	30.48	18.32	5,813.5	387.3	128.2	-60.6	0.00	0.00	0.00	
6,000.0	30.48	18.32	5,899.7	435.5	144.2	-68.2	0.00	0.00	0.00	
6,100.0	30.48	18.32	5,985.9	483.6	160.1	-75.7	0.00	0.00	0.00	
6,200.0	30.48	18.32	6,072.0	531.8	176.1	-83.2	0.00	0.00	0.00	
6,300.0	30.48	18.32	6,158.2	580.0	192.0	-90.8	0.00	0.00	0.00	
6,400.0	30.48	18.32	6,244.4	628.1	208.0	-98.3	0.00	0.00	0.00	
6,500.0	30.48	18.32	6,330.6	676.3	223.9	-105.9	0.00	0.00	0.00	
6,600.0	30.48	18.32	6,416.7	724.4	239.8	-113.4	0.00	0.00	0.00	
6,700.0	30.48	18.32	6,502.9	772.6	255.8	-120.9	0.00	0.00	0.00	
6,800.0	30.48	18.32	6,589.1	820.7	271.7	-128.5	0.00	0.00	0.00	
6,894.9	30.48	18.32	6,670.9	866.4	286.9	-135.6	0.00	0.00	0.00	
Start DLS 13.00 TFO -105.62										
6,900.0	30.31	17.05	6,675.3	868.9	287.6	-136.0	13.07	-3.40	-24.95	
7,000.0	29.58	350.87	6,762.3	917.6	291.1	-131.1	13.00	-0.73	-26.17	
7,100.0	33.76	327.25	6,847.7	965.5	272.1	-104.3	13.00	4.17	-23.62	
7,200.0	41.36	309.84	6,927.2	1,010.3	231.5	-56.7	13.00	7.61	-17.41	
7,300.0	50.86	297.46	6,996.5	1,049.5	171.5	9.1	13.00	9.50	-12.38	
7,400.0	61.35	288.17	7,052.3	1,081.2	95.1	89.8	13.00	10.49	-9.29	
7,500.0	72.35	280.61	7,091.6	1,103.7	6.2	181.3	13.00	11.00	-7.55	
7,600.0	83.60	273.95	7,112.5	1,116.0	-90.7	278.8	13.00	11.25	-6.66	
7,656.4	90.00	270.35	7,115.6	1,118.1	-146.9	334.6	12.99	11.33	-6.37	
7" - Entry Pt. 1134'FNL & 1825'FWL, Sec.26										
7,656.9	90.00	270.35	7,115.6	1,118.1	-147.4	335.1	1.73	0.87	-1.49	
7,700.0	90.00	270.35	7,115.6	1,118.4	-190.5	377.6	0.00	0.00	0.00	
7,800.0	90.00	270.35	7,115.6	1,119.0	-290.5	476.2	0.00	0.00	0.00	
7,900.0	90.00	270.35	7,115.6	1,119.6	-390.5	574.9	0.00	0.00	0.00	
8,000.0	90.00	270.35	7,115.6	1,120.2	-490.5	673.5	0.00	0.00	0.00	
8,100.0	90.00	270.35	7,115.6	1,120.8	-590.5	772.2	0.00	0.00	0.00	
8,200.0	90.00	270.35	7,115.6	1,121.4	-690.5	870.8	0.00	0.00	0.00	
8,300.0	90.00	270.35	7,115.6	1,122.0	-790.5	969.5	0.00	0.00	0.00	
8,400.0	90.00	270.35	7,115.6	1,122.6	-890.5	1,068.1	0.00	0.00	0.00	
8,500.0	90.00	270.35	7,115.6	1,123.2	-990.5	1,166.8	0.00	0.00	0.00	
8,600.0	90.00	270.35	7,115.6	1,123.8	-1,090.5	1,265.4	0.00	0.00	0.00	
8,700.0	90.00	270.35	7,115.6	1,124.4	-1,190.5	1,364.1	0.00	0.00	0.00	
8,800.0	90.00	270.35	7,115.6	1,125.0	-1,290.5	1,462.7	0.00	0.00	0.00	
8,900.0	90.00	270.35	7,115.6	1,125.6	-1,390.5	1,561.4	0.00	0.00	0.00	
9,000.0	90.00	270.35	7,115.6	1,126.2	-1,490.5	1,660.0	0.00	0.00	0.00	
9,100.0	90.00	270.35	7,115.6	1,126.8	-1,590.5	1,758.7	0.00	0.00	0.00	
9,200.0	90.00	270.35	7,115.6	1,127.4	-1,690.5	1,857.3	0.00	0.00	0.00	
9,300.0	90.00	270.35	7,115.6	1,128.0	-1,790.5	1,956.0	0.00	0.00	0.00	
9,400.0	90.00	270.35	7,115.6	1,128.6	-1,890.5	2,054.6	0.00	0.00	0.00	
9,500.0	90.00	270.35	7,115.6	1,129.2	-1,990.5	2,153.2	0.00	0.00	0.00	
9,600.0	90.00	270.35	7,115.6	1,129.8	-2,090.5	2,251.9	0.00	0.00	0.00	
9,700.0	90.00	270.35	7,115.6	1,130.4	-2,190.4	2,350.5	0.00	0.00	0.00	
9,800.0	90.00	270.35	7,115.6	1,131.0	-2,290.4	2,449.2	0.00	0.00	0.00	

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Site:	Kodak North Pad Sec.26-T6N-R67W	North Reference:	True
Well:	Kodak North FD 27-099HC	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)
9,900.0	90.00	270.35	7,115.6	1,131.6	-2,390.4	2,547.8	0.00	0.00	0.00
10,000.0	90.00	270.35	7,115.6	1,132.2	-2,490.4	2,646.5	0.00	0.00	0.00
10,100.0	90.00	270.35	7,115.6	1,132.8	-2,590.4	2,745.1	0.00	0.00	0.00
10,200.0	90.00	270.35	7,115.6	1,133.4	-2,690.4	2,843.8	0.00	0.00	0.00
10,300.0	90.00	270.35	7,115.6	1,134.0	-2,790.4	2,942.4	0.00	0.00	0.00
10,400.0	90.00	270.35	7,115.6	1,134.6	-2,890.4	3,041.1	0.00	0.00	0.00
10,500.0	90.00	270.35	7,115.6	1,135.2	-2,990.4	3,139.7	0.00	0.00	0.00
10,600.0	90.00	270.35	7,115.6	1,135.8	-3,090.4	3,238.4	0.00	0.00	0.00
10,700.0	90.00	270.35	7,115.6	1,136.4	-3,190.4	3,337.0	0.00	0.00	0.00
10,800.0	90.00	270.35	7,115.6	1,137.0	-3,290.4	3,435.7	0.00	0.00	0.00
10,900.0	90.00	270.35	7,115.6	1,137.6	-3,390.4	3,534.3	0.00	0.00	0.00
11,000.0	90.00	270.35	7,115.6	1,138.2	-3,490.4	3,633.0	0.00	0.00	0.00
11,100.0	90.00	270.35	7,115.6	1,138.8	-3,590.4	3,731.6	0.00	0.00	0.00
11,200.0	90.00	270.35	7,115.6	1,139.4	-3,690.4	3,830.3	0.00	0.00	0.00
11,300.0	90.00	270.35	7,115.6	1,140.0	-3,790.4	3,928.9	0.00	0.00	0.00
11,400.0	90.00	270.35	7,115.6	1,140.6	-3,890.4	4,027.6	0.00	0.00	0.00
11,500.0	90.00	270.35	7,115.6	1,141.2	-3,990.4	4,126.2	0.00	0.00	0.00
11,600.0	90.00	270.35	7,115.6	1,141.8	-4,090.4	4,224.9	0.00	0.00	0.00
11,700.0	90.00	270.35	7,115.6	1,142.5	-4,190.4	4,323.5	0.00	0.00	0.00
11,800.0	90.00	270.35	7,115.6	1,143.1	-4,290.4	4,422.2	0.00	0.00	0.00
11,900.0	90.00	270.35	7,115.6	1,143.7	-4,390.4	4,520.8	0.00	0.00	0.00
12,000.0	90.00	270.35	7,115.6	1,144.3	-4,490.4	4,619.5	0.00	0.00	0.00
12,100.0	90.00	270.35	7,115.6	1,144.9	-4,590.4	4,718.1	0.00	0.00	0.00
12,200.0	90.00	270.35	7,115.6	1,145.5	-4,690.4	4,816.8	0.00	0.00	0.00
12,300.0	90.00	270.35	7,115.6	1,146.1	-4,790.4	4,915.4	0.00	0.00	0.00
12,400.0	90.00	270.35	7,115.6	1,146.7	-4,890.4	5,014.1	0.00	0.00	0.00
12,500.0	90.00	270.35	7,115.6	1,147.3	-4,990.4	5,112.7	0.00	0.00	0.00
12,600.0	90.00	270.35	7,115.6	1,147.9	-5,090.4	5,211.4	0.00	0.00	0.00
12,700.0	90.00	270.35	7,115.6	1,148.5	-5,190.4	5,310.0	0.00	0.00	0.00
12,800.0	90.00	270.35	7,115.6	1,149.1	-5,290.4	5,408.7	0.00	0.00	0.00
12,900.0	90.00	270.35	7,115.6	1,149.7	-5,390.4	5,507.3	0.00	0.00	0.00
13,000.0	90.00	270.35	7,115.6	1,150.3	-5,490.4	5,606.0	0.00	0.00	0.00
13,100.0	90.00	270.35	7,115.6	1,150.9	-5,590.4	5,704.6	0.00	0.00	0.00
13,200.0	90.00	270.35	7,115.6	1,151.5	-5,690.4	5,803.3	0.00	0.00	0.00
13,300.0	90.00	270.35	7,115.6	1,152.1	-5,790.4	5,901.9	0.00	0.00	0.00
13,400.0	90.00	270.35	7,115.6	1,152.7	-5,890.4	6,000.6	0.00	0.00	0.00
13,500.0	90.00	270.35	7,115.6	1,153.3	-5,990.4	6,099.2	0.00	0.00	0.00
13,600.0	90.00	270.35	7,115.6	1,153.9	-6,090.4	6,197.9	0.00	0.00	0.00
13,700.0	90.00	270.35	7,115.6	1,154.5	-6,190.4	6,296.5	0.00	0.00	0.00
13,800.0	90.00	270.35	7,115.6	1,155.1	-6,290.4	6,395.2	0.00	0.00	0.00
13,900.0	90.00	270.35	7,115.6	1,155.7	-6,390.4	6,493.8	0.00	0.00	0.00
14,000.0	90.00	270.35	7,115.6	1,156.3	-6,490.4	6,592.5	0.00	0.00	0.00
14,100.0	90.00	270.35	7,115.6	1,156.9	-6,590.4	6,691.1	0.00	0.00	0.00
14,200.0	90.00	270.35	7,115.6	1,157.5	-6,690.4	6,789.8	0.00	0.00	0.00
14,230.6	90.00	270.35	7,115.6	1,157.7	-6,720.9	6,819.9	0.00	0.00	0.00
BHL 1084'FNL& 470'FWL, Sec.27									

Database:	Landmark	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (11-21-13)		

Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL 1084'FNL & 470'F	- plan hits target center	0.00	0.00	7,115.6	1,157.7	-6,720.9	1,411,803.44	3,170,447.57	40.462186	-104.887436
	- Point									
Entry Pt. 1134'FNL &	- plan hits target center	0.00	0.00	7,115.6	1,118.1	-146.9	1,411,811.06	3,177,021.45	40.462080	-104.863811
	- Point									
SHL 2252'FNL & 197'	- plan hits target center	0.00	0.00	1.0	0.0	0.0	1,410,694.12	3,177,176.40	40.459011	-104.863283
	- Point									

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
7,656.4	7,115.6	7"	7	7-1/2		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
4,600.0	4,600.0	0.0	0.0	KOP - Start Build 3.00	
6,894.9	6,670.9	866.4	286.9	Start DLS 13.00 TFO -105.62	
14,230.6	7,115.6	1,157.7	-6,721.0	TD at 14230.6	



Directional

Great Western

SEC.26-T6N-R67W

Kodak North Pad Sec.26-T6N-R67W

Kodak North FD 27-099HC

Wellbore #1

Plan #1 (11-21-13)

Anticollision Report

22 November, 2013

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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	14,230.6	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
Offset Well - Wellbore - Design						
Kodak North Pad Sec.26-T6N-R67W						
Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2	4,300.0	4,300.0	90.4	71.3	4.734	CC, ES
Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-2	7,300.0	7,597.3	151.8	114.3	4.050	SF
Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2	2,900.0	2,900.0	59.6	46.7	4.649	CC
Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2	3,000.0	2,999.6	59.9	46.6	4.518	ES
Kodak North FD 27-019HN - Wellbore #1 - Plan #1 (11-2	14,230.6	14,306.0	932.3	550.9	2.445	SF
Kodak North FD 27-062HN - Wellbore #1 - Plan #1 (11-2	3,900.0	3,900.0	30.1	12.7	1.737	CC
Kodak North FD 27-062HN - Wellbore #1 - Plan #1 (11-2	14,230.6	14,118.0	312.7	-9.9	0.969	Level 1, ES, SF
Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2	4,600.0	4,600.0	30.3	9.9	1.483	Level 3, CC, ES
Kodak North FD 27-102HN - Wellbore #1 - Plan #1 (11-2	14,230.6	13,970.4	432.1	80.8	1.230	Level 2, SF

Offset Design											Kodak North Pad Sec.26-T6N-R67W - Kodak North FD 25-079HN - Wellbore #1 - Plan #1 (11-21-13)		Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-90.4	90.4					
100.0	100.0	100.0	100.0	0.1	0.1	-89.98	0.0	-90.4	90.4	90.2	0.22	402.377		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-90.4	90.4	89.8	0.67	134.126		
300.0	300.0	300.0	300.0	0.6	0.6	-89.98	0.0	-90.4	90.4	89.3	1.12	80.475		
400.0	400.0	400.0	400.0	0.8	0.8	-89.98	0.0	-90.4	90.4	88.9	1.57	57.482		
500.0	500.0	500.0	500.0	1.0	1.0	-89.98	0.0	-90.4	90.4	88.4	2.02	44.709		
600.0	600.0	600.0	600.0	1.2	1.2	-89.98	0.0	-90.4	90.4	88.0	2.47	36.580		
700.0	700.0	700.0	700.0	1.5	1.5	-89.98	0.0	-90.4	90.4	87.5	2.92	30.952		
800.0	800.0	800.0	800.0	1.7	1.7	-89.98	0.0	-90.4	90.4	87.1	3.37	26.825		
900.0	900.0	900.0	900.0	1.9	1.9	-89.98	0.0	-90.4	90.4	86.6	3.82	23.669		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.98	0.0	-90.4	90.4	86.2	4.27	21.178		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.98	0.0	-90.4	90.4	85.7	4.72	19.161		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.98	0.0	-90.4	90.4	85.3	5.17	17.495		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.98	0.0	-90.4	90.4	84.8	5.62	16.095		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.98	0.0	-90.4	90.4	84.4	6.07	14.903		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.98	0.0	-90.4	90.4	83.9	6.52	13.875		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.98	0.0	-90.4	90.4	83.5	6.97	12.980		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.98	0.0	-90.4	90.4	83.0	7.42	12.193		

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 27-099HC
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 27-099HC	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			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.98	0.0	-90.4	90.4	82.6	7.87	11.496			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.98	0.0	-90.4	90.4	82.1	8.32	10.875			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.98	0.0	-90.4	90.4	81.7	8.77	10.317			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.98	0.0	-90.4	90.4	81.2	9.22	9.814			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.98	0.0	-90.4	90.4	80.8	9.66	9.358			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.98	0.0	-90.4	90.4	80.3	10.11	8.942			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.98	0.0	-90.4	90.4	79.9	10.56	8.561			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.98	0.0	-90.4	90.4	79.4	11.01	8.212			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.98	0.0	-90.4	90.4	79.0	11.46	7.890			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.98	0.0	-90.4	90.4	78.5	11.91	7.592			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.98	0.0	-90.4	90.4	78.1	12.36	7.316			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.98	0.0	-90.4	90.4	77.6	12.81	7.059			
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.98	0.0	-90.4	90.4	77.2	13.26	6.820			
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.98	0.0	-90.4	90.4	76.7	13.71	6.596			
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.98	0.0	-90.4	90.4	76.3	14.16	6.387			
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.98	0.0	-90.4	90.4	75.8	14.61	6.190			
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.98	0.0	-90.4	90.4	75.4	15.06	6.006			
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.98	0.0	-90.4	90.4	74.9	15.51	5.832			
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.98	0.0	-90.4	90.4	74.5	15.96	5.667			
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.98	0.0	-90.4	90.4	74.0	16.41	5.512			
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.98	0.0	-90.4	90.4	73.6	16.86	5.365			
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.98	0.0	-90.4	90.4	73.1	17.31	5.226			
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.98	0.0	-90.4	90.4	72.7	17.76	5.093			
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.98	0.0	-90.4	90.4	72.2	18.21	4.968			
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.98	0.0	-90.4	90.4	71.8	18.66	4.848			
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.98	0.0	-90.4	90.4	71.3	19.11	4.734 CC, ES			
4,400.0	4,400.0	4,398.5	4,398.5	9.8	9.8	-88.45	2.5	-91.2	91.2	71.7	19.55	4.667			
4,500.0	4,500.0	4,496.5	4,496.2	10.0	10.0	-84.09	9.7	-93.5	94.0	74.0	19.99	4.704			
4,600.0	4,600.0	4,593.5	4,592.3	10.2	10.2	-77.51	21.5	-97.2	99.8	79.4	20.43	4.886			
4,700.0	4,700.0	4,689.3	4,686.6	10.5	10.4	-89.05	37.8	-102.2	109.8	88.9	20.87	5.260			
4,800.0	4,799.6	4,784.2	4,779.0	10.7	10.7	-83.97	58.3	-108.7	123.7	102.4	21.30	5.806			
4,900.0	4,898.8	4,878.0	4,869.2	10.9	10.9	-80.44	82.9	-116.3	140.9	119.2	21.74	6.480			
5,000.0	4,997.1	4,970.6	4,956.9	11.1	11.2	-78.13	111.3	-125.2	160.9	138.7	22.20	7.248			
5,100.0	5,094.3	5,062.0	5,042.0	11.4	11.5	-76.71	143.2	-135.2	183.3	160.6	22.67	8.087			
5,200.0	5,190.2	5,152.1	5,124.1	11.6	11.9	-75.91	178.5	-146.2	208.0	184.8	23.18	8.974			
5,300.0	5,284.4	5,240.9	5,203.3	11.9	12.3	-75.53	216.8	-158.2	234.8	211.0	23.74	9.890			
5,400.0	5,376.8	5,329.9	5,280.7	12.3	12.7	-75.44	258.6	-171.3	263.5	239.1	24.37	10.811			
5,500.0	5,467.1	5,425.4	5,363.2	12.7	13.3	-76.08	304.8	-185.7	292.2	267.0	25.14	11.623			
5,600.0	5,554.9	5,520.8	5,445.5	13.1	13.9	-77.41	350.8	-200.1	319.9	293.9	26.04	12.288			
5,700.0	5,641.1	5,616.0	5,527.6	13.7	14.5	-79.66	396.8	-214.5	347.4	320.4	27.09	12.824			
5,800.0	5,727.3	5,711.2	5,609.7	14.2	15.2	-81.70	442.7	-228.9	375.4	347.2	28.24	13.296			
5,900.0	5,813.5	5,806.4	5,691.8	14.9	15.9	-83.47	488.6	-243.3	403.8	374.4	29.45	13.711			
6,000.0	5,899.7	5,901.6	5,773.9	15.5	16.6	-85.01	534.6	-257.6	432.5	401.8	30.73	14.075			
6,100.0	5,985.9	5,996.7	5,856.0	16.2	17.4	-86.35	580.5	-272.0	461.5	429.4	32.07	14.392			
6,200.0	6,072.0	6,091.9	5,938.1	16.9	18.1	-87.54	626.5	-286.4	490.7	457.2	33.45	14.669			
6,300.0	6,158.2	6,187.1	6,020.2	17.7	18.9	-88.60	672.4	-300.7	520.0	485.1	34.88	14.910			
6,400.0	6,244.4	6,282.3	6,102.3	18.4	19.7	-89.54	718.4	-315.1	549.5	513.1	36.34	15.120			
6,500.0	6,330.6	6,377.5	6,184.5	19.2	20.5	-90.39	764.3	-329.5	579.1	541.2	37.84	15.303			
6,600.0	6,416.7	6,472.7	6,266.6	20.0	21.4	-91.15	810.3	-343.8	608.8	569.4	39.37	15.463			
6,700.0	6,502.9	7,679.4	6,922.6	20.9	27.0	-47.27	1,182.7	252.7	586.8	543.5	43.28	13.557			
6,800.0	6,589.1	7,695.7	6,922.6	21.7	27.1	-42.67	1,182.8	269.0	492.3	449.1	43.19	11.398			
6,900.0	6,675.3	7,712.0	6,922.6	22.5	27.2	-35.19	1,183.0	285.3	399.8	357.2	42.57	9.391			

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 27-099HC
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 27-099HC	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			
7,000.0	6,762.3	7,715.9	6,922.6	23.2	27.2	15.07	1,183.0	289.1	310.0	272.2	37.88	8.184			
7,100.0	6,847.7	7,697.2	6,922.6	23.8	27.1	46.28	1,182.8	270.5	229.8	191.7	38.10	6.033			
7,200.0	6,927.2	7,657.0	6,922.6	24.3	26.9	56.62	1,182.5	230.2	172.3	134.1	38.22	4.509			
7,300.0	6,996.5	7,597.3	6,922.6	24.7	26.6	50.53	1,182.1	170.5	151.8	114.3	37.49	4.050 SF			
7,302.8	6,998.3	7,595.4	6,922.6	24.7	26.6	50.19	1,182.1	168.6	151.8	114.4	37.45	4.053			
7,400.0	7,052.3	7,521.1	6,922.6	25.1	26.4	36.35	1,181.5	94.3	164.0	129.4	34.59	4.741			
7,500.0	7,091.6	7,441.8	6,921.2	25.3	26.3	25.07	1,180.1	15.1	187.0	157.4	29.54	6.329			
7,600.0	7,112.5	7,371.4	6,911.1	25.6	26.3	17.07	1,173.9	-54.2	212.6	187.8	24.81	8.569			
7,700.0	7,115.6	7,303.9	6,892.6	25.9	26.2	11.44	1,163.1	-118.1	238.7	216.0	22.71	10.511			
7,800.0	7,115.6	7,243.6	6,868.9	26.5	26.1	7.20	1,149.4	-171.8	275.4	253.8	21.62	12.737			
7,900.0	7,115.6	7,191.8	6,843.7	27.4	25.9	3.45	1,134.9	-214.6	324.2	303.3	20.86	15.539			
8,000.0	7,115.6	7,150.0	6,820.2	28.7	25.8	0.54	1,121.5	-246.5	383.1	362.6	20.53	18.666			
8,100.0	7,115.6	7,111.1	6,796.0	30.3	25.7	-1.99	1,107.7	-273.8	450.1	429.7	20.44	22.019			
8,200.0	7,115.6	7,075.0	6,771.9	32.2	25.6	-4.16	1,094.0	-296.7	523.4	502.8	20.60	25.406			
8,300.0	7,115.6	7,050.0	6,754.2	34.2	25.5	-5.55	1,084.0	-311.3	601.4	580.4	21.02	28.612			
8,400.0	7,115.6	7,025.0	6,735.8	36.4	25.4	-6.84	1,073.6	-324.7	683.2	661.7	21.55	31.706			
8,500.0	7,115.6	7,012.1	6,726.1	38.6	25.3	-7.48	1,068.1	-331.1	767.8	745.6	22.19	34.595			
8,600.0	7,115.6	7,000.0	6,716.8	41.0	25.3	-8.05	1,062.8	-336.8	854.8	832.0	22.89	37.349			
8,700.0	7,115.6	6,975.0	6,697.2	43.4	25.2	-9.17	1,051.8	-347.7	943.7	920.0	23.66	39.881			

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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	90.99	-1.0	59.6	59.6						
100.0	100.0	100.0	100.0	0.1	0.1	90.99	-1.0	59.6	59.6	59.3	0.22	264.989			
200.0	200.0	200.0	200.0	0.3	0.3	90.99	-1.0	59.6	59.6	58.9	0.67	88.330			
300.0	300.0	300.0	300.0	0.6	0.6	90.99	-1.0	59.6	59.6	58.4	1.12	52.998			
400.0	400.0	400.0	400.0	0.8	0.8	90.99	-1.0	59.6	59.6	58.0	1.57	37.856			
500.0	500.0	500.0	500.0	1.0	1.0	90.99	-1.0	59.6	59.6	57.5	2.02	29.443			
600.0	600.0	600.0	600.0	1.2	1.2	90.99	-1.0	59.6	59.6	57.1	2.47	24.090			
700.0	700.0	700.0	700.0	1.5	1.5	90.99	-1.0	59.6	59.6	56.6	2.92	20.384			
800.0	800.0	800.0	800.0	1.7	1.7	90.99	-1.0	59.6	59.6	56.2	3.37	17.666			
900.0	900.0	900.0	900.0	1.9	1.9	90.99	-1.0	59.6	59.6	55.7	3.82	15.588			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.99	-1.0	59.6	59.6	55.3	4.27	13.947			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	90.99	-1.0	59.6	59.6	54.8	4.72	12.619			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	90.99	-1.0	59.6	59.6	54.4	5.17	11.521			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	90.99	-1.0	59.6	59.6	53.9	5.62	10.600			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	90.99	-1.0	59.6	59.6	53.5	6.07	9.814			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	90.99	-1.0	59.6	59.6	53.0	6.52	9.138			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	90.99	-1.0	59.6	59.6	52.6	6.97	8.548			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	90.99	-1.0	59.6	59.6	52.1	7.42	8.030			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	90.99	-1.0	59.6	59.6	51.7	7.87	7.571			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	90.99	-1.0	59.6	59.6	51.2	8.32	7.162			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	90.99	-1.0	59.6	59.6	50.8	8.77	6.795			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	90.99	-1.0	59.6	59.6	50.3	9.22	6.463			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	90.99	-1.0	59.6	59.6	49.9	9.66	6.163			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	90.99	-1.0	59.6	59.6	49.4	10.11	5.889			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	90.99	-1.0	59.6	59.6	49.0	10.56	5.638			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	90.99	-1.0	59.6	59.6	48.5	11.01	5.408			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	90.99	-1.0	59.6	59.6	48.1	11.46	5.196			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	90.99	-1.0	59.6	59.6	47.6	11.91	5.000			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	90.99	-1.0	59.6	59.6	47.2	12.36	4.818			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	90.99	-1.0	59.6	59.6	46.7	12.81	4.649 CC			
3,000.0	3,000.0	2,999.6	2,999.5	6.6	6.6	88.52	1.5	59.9	59.9	46.6	13.26	4.518 ES			
3,100.0	3,100.0	3,098.6	3,098.3	6.9	6.9	81.39	9.2	60.8	61.6	47.9	13.70	4.492			
3,200.0	3,200.0	3,196.6	3,195.4	7.1	7.1	70.77	21.8	62.4	66.3	52.1	14.15	4.683			
3,300.0	3,300.0	3,293.0	3,290.3	7.3	7.3	58.90	39.0	64.6	76.0	61.4	14.60	5.208			
3,400.0	3,400.0	3,387.5	3,382.2	7.5	7.5	48.09	60.4	67.3	92.1	77.1	15.05	6.122			
3,500.0	3,500.0	3,479.5	3,470.7	7.8	7.8	39.46	85.5	70.4	114.6	99.1	15.48	7.403			
3,600.0	3,600.0	3,568.9	3,555.3	8.0	8.1	32.98	114.0	74.0	143.1	127.2	15.91	8.991			
3,700.0	3,700.0	3,655.3	3,635.8	8.2	8.4	28.21	145.2	77.9	176.9	160.6	16.34	10.826			
3,800.0	3,800.0	3,738.6	3,711.9	8.4	8.8	24.68	178.7	82.1	215.5	198.8	16.76	12.858			
3,900.0	3,900.0	3,818.6	3,783.6	8.7	9.2	22.02	214.0	86.5	258.5	241.3	17.18	15.046			
4,000.0	4,000.0	3,900.0	3,854.9	8.9	9.7	19.88	252.9	91.4	305.5	287.9	17.61	17.348			
4,100.0	4,100.0	3,975.3	3,919.6	9.1	10.2	18.29	291.1	96.2	355.7	337.6	18.03	19.723			
4,200.0	4,200.0	4,061.1	3,993.2	9.3	10.8	16.90	334.8	101.7	406.5	388.0	18.48	21.990			
4,300.0	4,300.0	4,146.8	4,066.8	9.6	11.4	15.81	378.6	107.2	457.4	438.5	18.95	24.144			
4,400.0	4,400.0	4,232.6	4,140.3	9.8	12.0	14.94	422.3	112.7	508.4	489.0	19.42	26.185			
4,500.0	4,500.0	4,318.4	4,213.9	10.0	12.7	14.23	466.1	118.2	559.5	539.6	19.90	28.119			
4,600.0	4,600.0	4,404.1	4,287.4	10.2	13.4	13.64	509.9	123.7	610.7	590.3	20.39	29.950			
4,700.0	4,700.0	4,491.2	4,362.1	10.5	14.1	-5.06	554.3	129.3	659.6	638.9	20.78	31.752			
4,800.0	4,799.6	4,580.6	4,438.8	10.7	14.9	-5.43	599.9	135.0	704.0	682.8	21.26	33.119			
4,900.0	4,898.8	4,672.2	4,517.3	10.9	15.6	-5.78	646.7	140.9	743.7	722.0	21.72	34.248			
5,000.0	4,997.1	4,765.7	4,597.5	11.1	16.5	-6.14	694.4	146.9	778.6	756.5	22.15	35.156			
5,100.0	5,094.3	4,860.9	4,679.2	11.4	17.3	-6.52	742.9	153.0	808.6	786.1	22.55	35.856			

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 27-099HC
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 27-099HC	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:	0.0ft	
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			
5,200.0	5,190.2	4,957.4	4,762.0	11.6	18.2	-6.92	792.2	159.1	833.7	810.8	22.93	36.361			
5,300.0	5,284.4	5,055.1	4,845.7	11.9	19.0	-7.36	842.0	165.4	853.8	830.5	23.28	36.680			
5,400.0	5,376.8	5,153.6	4,930.2	12.3	19.9	-7.83	892.3	171.7	868.8	845.2	23.60	36.821			
5,500.0	5,467.1	5,252.8	5,015.2	12.7	20.9	-8.35	942.9	178.1	878.8	854.9	23.89	36.786			
5,600.0	5,554.9	5,352.2	5,100.5	13.1	21.8	-8.94	993.6	184.4	883.7	859.5	24.16	36.578			
5,700.0	5,641.1	5,451.7	5,185.9	13.7	22.7	-9.57	1,044.4	190.8	885.3	860.6	24.75	35.774			
5,800.0	5,727.3	5,551.2	5,271.2	14.2	23.6	-10.20	1,095.2	197.2	887.0	861.6	25.42	34.895			
5,900.0	5,813.5	5,650.7	5,356.5	14.9	24.6	-10.83	1,145.9	203.6	888.8	862.7	26.11	34.039			
6,000.0	5,899.7	5,750.2	5,441.9	15.5	25.5	-11.45	1,196.7	209.9	890.7	863.9	26.83	33.205			
6,100.0	5,985.9	5,849.7	5,527.2	16.2	26.4	-12.08	1,247.5	216.3	892.7	865.2	27.56	32.393			
6,200.0	6,072.0	5,949.2	5,612.5	16.9	27.4	-12.70	1,298.2	222.7	894.9	866.5	28.32	31.603			
6,300.0	6,158.2	6,048.7	5,697.9	17.7	28.3	-13.32	1,349.0	229.1	897.1	868.0	29.09	30.834			
6,400.0	6,244.4	6,148.2	5,783.2	18.4	29.3	-13.93	1,399.8	235.4	899.4	869.5	29.89	30.086			
6,500.0	6,330.6	6,247.7	5,868.6	19.2	30.2	-14.54	1,450.6	241.8	901.8	871.1	30.72	29.359			
6,600.0	6,416.7	6,347.2	5,953.9	20.0	31.2	-15.15	1,501.3	248.2	904.4	872.8	31.56	28.653			
6,700.0	6,502.9	6,446.7	6,039.2	20.9	32.1	-15.75	1,552.1	254.6	907.0	874.6	32.43	27.966			
6,800.0	6,589.1	6,546.2	6,124.6	21.7	33.1	-16.36	1,602.9	260.9	909.8	876.4	33.33	27.298			
6,900.0	6,675.3	6,645.7	6,209.9	22.5	34.0	-16.97	1,653.7	267.3	912.6	878.4	34.24	26.650			
7,000.0	6,762.3	6,745.5	6,295.4	23.2	35.0	-17.57	1,704.5	273.7	915.2	880.2	34.96	26.179			
7,100.0	6,847.7	6,842.0	6,378.2	23.8	35.9	-18.16	1,755.3	279.9	917.5	882.1	35.39	25.927			
7,200.0	6,927.2	6,930.3	6,454.0	24.3	36.8	-18.75	1,798.9	285.5	921.2	885.4	35.82	25.722			
7,300.0	6,996.5	7,006.0	6,518.9	24.7	37.5	-19.32	1,837.5	290.4	929.1	892.7	36.42	25.509			
7,400.0	7,052.3	7,105.0	6,603.8	25.1	38.4	-19.89	1,888.0	287.7	943.0	905.6	37.36	25.237			
7,500.0	7,091.6	7,253.4	6,724.8	25.3	39.5	-20.45	1,959.9	243.1	961.1	922.4	38.71	24.826			
7,600.0	7,112.5	7,513.9	6,883.2	25.6	41.0	-21.00	2,053.9	64.3	977.9	937.2	40.64	24.062			
7,700.0	7,115.6	7,779.5	6,930.6	25.9	41.8	-21.54	2,081.7	-192.0	981.0	937.1	43.89	22.350			
7,800.0	7,115.6	7,879.5	6,930.6	26.5	42.1	-22.07	2,081.6	-292.0	980.2	933.5	46.72	20.982			
7,900.0	7,115.6	7,979.5	6,930.6	27.4	42.5	-22.59	2,081.4	-392.0	979.5	929.5	49.99	19.594			
8,000.0	7,115.6	8,079.5	6,930.6	28.7	43.0	-23.10	2,081.2	-492.0	978.7	925.1	53.63	18.250			
8,100.0	7,115.6	8,179.5	6,930.6	30.3	43.7	-23.59	2,081.1	-592.0	978.0	920.4	57.57	16.987			
8,200.0	7,115.6	8,279.5	6,930.6	32.2	44.6	-24.07	2,080.9	-692.0	977.2	915.5	61.76	15.824			
8,300.0	7,115.6	8,379.5	6,930.6	34.2	45.6	-24.54	2,080.8	-792.0	976.5	910.3	66.14	14.764			
8,400.0	7,115.6	8,479.5	6,930.6	36.4	46.8	-25.00	2,080.6	-892.0	975.7	905.0	70.68	13.805			
8,500.0	7,115.6	8,579.5	6,930.6	38.6	48.2	-25.45	2,080.4	-992.0	975.0	899.6	75.35	12.939			
8,600.0	7,115.6	8,679.5	6,930.6	41.0	49.8	-25.89	2,080.3	-1,092.0	974.2	894.1	80.13	12.158			
8,700.0	7,115.6	8,779.5	6,930.6	43.4	51.5	-26.32	2,080.1	-1,192.0	973.5	888.5	85.00	11.453			
8,800.0	7,115.6	8,879.5	6,930.6	45.8	53.3	-26.74	2,080.0	-1,292.0	972.7	882.8	89.95	10.815			
8,900.0	7,115.6	8,979.5	6,930.6	48.3	55.3	-27.15	2,079.8	-1,392.0	972.0	877.0	94.95	10.237			
9,000.0	7,115.6	9,079.5	6,930.6	50.9	57.4	-27.55	2,079.7	-1,492.0	971.2	871.2	100.02	9.711			
9,100.0	7,115.6	9,179.5	6,930.6	53.4	59.5	-27.94	2,079.5	-1,592.0	970.5	865.4	105.12	9.232			
9,200.0	7,115.6	9,279.5	6,930.6	56.0	61.7	-28.32	2,079.3	-1,692.0	969.8	859.5	110.27	8.794			
9,300.0	7,115.6	9,379.5	6,930.6	58.6	64.0	-28.69	2,079.2	-1,792.0	969.0	853.6	115.45	8.393			
9,400.0	7,115.6	9,479.5	6,930.6	61.2	66.3	-29.05	2,079.0	-1,892.0	968.3	847.6	120.66	8.024			
9,500.0	7,115.6	9,579.5	6,930.6	63.9	68.7	-29.40	2,078.9	-1,992.0	967.5	841.6	125.90	7.685			
9,600.0	7,115.6	9,679.5	6,930.6	66.5	71.1	-29.74	2,078.7	-2,091.9	966.8	835.6	131.16	7.371			
9,700.0	7,115.6	9,779.5	6,930.6	69.2	73.6	-30.07	2,078.6	-2,191.9	966.0	829.6	136.44	7.080			
9,800.0	7,115.6	9,879.5	6,930.6	71.9	76.1	-30.39	2,078.4	-2,291.9	965.3	823.5	141.74	6.810			
9,900.0	7,115.6	9,979.5	6,930.6	74.6	78.6	-30.70	2,078.2	-2,391.9	964.5	817.5	147.06	6.559			
10,000.0	7,115.6	10,079.5	6,930.6	77.3	81.1	-30.99	2,078.1	-2,491.9	963.8	811.4	152.38	6.325			
10,100.0	7,115.6	10,179.5	6,930.6	80.0	83.7	-31.27	2,077.9	-2,591.9	963.0	805.3	157.73	6.106			
10,200.0	7,115.6	10,279.5	6,930.6	82.7	86.3	-31.54	2,077.8	-2,691.9	962.3	799.2	163.08	5.901			
10,300.0	7,115.6	10,379.5	6,930.6	85.4	88.9	-31.80	2,077.6	-2,791.9	961.6	793.1	168.44	5.708			

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 27-099HC
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 27-099HC	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			
10,400.0	7,115.6	10,479.5	6,930.6	88.1	91.5	78.90	2,077.4	-2,891.9	960.8	787.0	173.82	5.528			
10,500.0	7,115.6	10,579.5	6,930.6	90.8	94.1	78.89	2,077.3	-2,991.9	960.1	780.9	179.20	5.358			
10,600.0	7,115.6	10,679.5	6,930.6	93.6	96.7	78.88	2,077.1	-3,091.9	959.3	774.7	184.59	5.197			
10,700.0	7,115.6	10,779.5	6,930.6	96.3	99.3	78.87	2,077.0	-3,191.9	958.6	768.6	189.98	5.046			
10,800.0	7,115.6	10,879.4	6,930.6	99.0	102.0	78.86	2,076.8	-3,291.9	957.8	762.4	195.39	4.902			
10,900.0	7,115.6	10,979.4	6,930.6	101.8	104.7	78.85	2,076.7	-3,391.9	957.1	756.3	200.79	4.766			
11,000.0	7,115.6	11,079.4	6,930.6	104.5	107.3	78.85	2,076.5	-3,491.9	956.3	750.1	206.21	4.638			
11,100.0	7,115.6	11,179.4	6,930.6	107.3	110.0	78.84	2,076.3	-3,591.9	955.6	744.0	211.63	4.515			
11,200.0	7,115.6	11,279.4	6,930.6	110.0	112.7	78.83	2,076.2	-3,691.9	954.8	737.8	217.05	4.399			
11,300.0	7,115.6	11,379.4	6,930.6	112.8	115.4	78.82	2,076.0	-3,791.9	954.1	731.6	222.48	4.288			
11,400.0	7,115.6	11,479.4	6,930.6	115.6	118.1	78.81	2,075.9	-3,891.9	953.3	725.4	227.91	4.183			
11,500.0	7,115.6	11,579.4	6,930.6	118.3	120.8	78.80	2,075.7	-3,991.9	952.6	719.3	233.34	4.082			
11,600.0	7,115.6	11,679.4	6,930.6	121.1	123.5	78.79	2,075.6	-4,091.9	951.9	713.1	238.78	3.986			
11,700.0	7,115.6	11,779.4	6,930.6	123.9	126.2	78.78	2,075.4	-4,191.9	951.1	706.9	244.22	3.894			
11,800.0	7,115.6	11,879.4	6,930.6	126.6	128.9	78.77	2,075.2	-4,291.9	950.4	700.7	249.67	3.807			
11,900.0	7,115.6	11,979.4	6,930.6	129.4	131.6	78.77	2,075.1	-4,391.9	949.6	694.5	255.12	3.722			
12,000.0	7,115.6	12,079.4	6,930.6	132.2	134.4	78.76	2,074.9	-4,491.9	948.9	688.3	260.56	3.642			
12,100.0	7,115.6	12,179.4	6,930.6	134.9	137.1	78.75	2,074.8	-4,591.9	948.1	682.1	266.02	3.564			
12,200.0	7,115.6	12,279.4	6,930.6	137.7	139.8	78.74	2,074.6	-4,691.9	947.4	675.9	271.47	3.490			
12,300.0	7,115.6	12,379.4	6,930.6	140.5	142.5	78.73	2,074.4	-4,791.9	946.6	669.7	276.93	3.418			
12,400.0	7,115.6	12,479.4	6,930.6	143.3	145.3	78.72	2,074.3	-4,891.9	945.9	663.5	282.38	3.350			
12,500.0	7,115.6	12,579.4	6,930.6	146.0	148.0	78.71	2,074.1	-4,991.9	945.1	657.3	287.84	3.284			
12,600.0	7,115.6	12,679.4	6,930.6	148.8	150.8	78.70	2,074.0	-5,091.9	944.4	651.1	293.30	3.220			
12,700.0	7,115.6	12,779.4	6,930.6	151.6	153.5	78.69	2,073.8	-5,191.9	943.7	644.9	298.77	3.159			
12,800.0	7,115.6	12,879.4	6,930.6	154.4	156.2	78.68	2,073.7	-5,291.9	942.9	638.7	304.23	3.099			
12,900.0	7,115.6	12,979.4	6,930.6	157.2	159.0	78.68	2,073.5	-5,391.8	942.2	632.5	309.70	3.042			
13,000.0	7,115.6	13,079.4	6,930.6	159.9	161.7	78.67	2,073.3	-5,491.8	941.4	626.3	315.16	2.987			
13,100.0	7,115.6	13,179.4	6,930.6	162.7	164.5	78.66	2,073.2	-5,591.8	940.7	620.0	320.63	2.934			
13,200.0	7,115.6	13,279.4	6,930.6	165.5	167.3	78.65	2,073.0	-5,691.8	939.9	613.8	326.10	2.882			
13,300.0	7,115.6	13,379.4	6,930.6	168.3	170.0	78.64	2,072.9	-5,791.8	939.2	607.6	331.57	2.833			
13,400.0	7,115.6	13,479.4	6,930.6	171.1	172.8	78.63	2,072.7	-5,891.8	938.4	601.4	337.04	2.784			
13,500.0	7,115.6	13,579.4	6,930.6	173.9	175.5	78.62	2,072.6	-5,991.8	937.7	595.2	342.51	2.738			
13,600.0	7,115.6	13,679.4	6,930.6	176.7	178.3	78.61	2,072.4	-6,091.8	937.0	589.0	347.98	2.693			
13,700.0	7,115.6	13,779.4	6,930.6	179.5	181.1	78.60	2,072.2	-6,191.8	936.2	582.7	353.46	2.649			
13,800.0	7,115.6	13,879.4	6,930.6	182.2	183.8	78.59	2,072.1	-6,291.8	935.5	576.5	358.93	2.606			
13,900.0	7,115.6	13,979.4	6,930.6	185.0	186.6	78.58	2,071.9	-6,391.8	934.7	570.3	364.40	2.565			
14,000.0	7,115.6	14,079.4	6,930.6	187.8	189.3	78.58	2,071.8	-6,491.8	934.0	564.1	369.88	2.525			
14,100.0	7,115.6	14,179.4	6,930.6	190.6	192.1	78.57	2,071.6	-6,591.8	933.2	557.9	375.35	2.486			
14,200.0	7,115.6	14,279.4	6,930.6	193.4	194.1	78.56	2,071.5	-6,691.8	932.5	552.4	380.06	2.454			
14,230.6	7,115.6	14,306.0	6,930.6	194.3	194.6	78.55	2,071.4	-6,718.5	932.3	550.9	381.36	2.445 SF			

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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	89.88	0.1	30.1	30.1						
100.0	100.0	100.0	100.0	0.1	0.1	89.88	0.1	30.1	30.1	29.8	0.22	133.713			
200.0	200.0	200.0	200.0	0.3	0.3	89.88	0.1	30.1	30.1	29.4	0.67	44.571			
300.0	300.0	300.0	300.0	0.6	0.6	89.88	0.1	30.1	30.1	28.9	1.12	26.743			
400.0	400.0	400.0	400.0	0.8	0.8	89.88	0.1	30.1	30.1	28.5	1.57	19.102			
500.0	500.0	500.0	500.0	1.0	1.0	89.88	0.1	30.1	30.1	28.0	2.02	14.857			
600.0	600.0	600.0	600.0	1.2	1.2	89.88	0.1	30.1	30.1	27.6	2.47	12.156			
700.0	700.0	700.0	700.0	1.5	1.5	89.88	0.1	30.1	30.1	27.1	2.92	10.286			
800.0	800.0	800.0	800.0	1.7	1.7	89.88	0.1	30.1	30.1	26.7	3.37	8.914			
900.0	900.0	900.0	900.0	1.9	1.9	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	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	89.88	0.1	30.1	30.1	12.7	17.31	1.737 CC			
4,000.0	4,000.0	3,999.6	3,999.5	8.9	8.9	85.15	2.6	30.6	30.7	13.0	17.75	1.731			
4,100.0	4,100.0	4,098.6	4,098.2	9.1	9.1	72.56	10.1	32.3	33.9	15.7	18.20	1.862			
4,200.0	4,200.0	4,196.6	4,195.4	9.3	9.3	57.27	22.5	35.0	41.9	23.2	18.64	2.246			
4,300.0	4,300.0	4,293.0	4,290.2	9.6	9.5	44.51	39.4	38.7	56.1	37.0	19.09	2.940			
4,400.0	4,400.0	4,387.4	4,382.2	9.8	9.8	35.66	60.5	43.4	76.5	57.0	19.53	3.920			
4,500.0	4,500.0	4,479.5	4,470.6	10.0	10.0	29.82	85.3	48.9	102.6	82.6	19.96	5.138			
4,600.0	4,600.0	4,568.9	4,555.3	10.2	10.3	25.92	113.3	55.1	133.6	113.3	20.39	6.555			
4,700.0	4,700.0	4,656.2	4,636.6	10.5	10.6	4.88	144.3	61.9	167.0	146.2	20.79	8.029			
4,800.0	4,799.6	4,742.2	4,715.2	10.7	10.9	2.98	178.5	69.5	199.8	178.6	21.15	9.446			
4,900.0	4,898.8	4,827.2	4,791.2	10.9	11.3	1.55	215.6	77.6	232.0	210.6	21.46	10.810			
5,000.0	4,997.1	4,912.6	4,865.9	11.1	11.7	0.39	256.1	86.6	263.6	241.8	21.74	12.126			
5,100.0	5,094.3	5,008.4	4,948.8	11.4	12.3	-0.65	302.9	96.9	291.8	269.8	22.00	13.265			

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 27-099HC
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 27-099HC	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:	0.0ft	
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			
5,200.0	5,190.2	5,105.6	5,032.9	11.6	12.9	-1.52	350.3	107.4	315.0	292.8	22.22	14.174			
5,300.0	5,284.4	5,203.8	5,118.0	11.9	13.5	-2.29	398.3	118.0	333.2	310.7	22.43	14.857			
5,400.0	5,376.8	5,302.8	5,203.8	12.3	14.2	-3.04	446.6	128.7	346.2	323.6	22.60	15.320			
5,500.0	5,467.1	5,402.4	5,290.0	12.7	14.9	-3.78	495.3	139.4	354.2	331.4	22.75	15.567			
5,600.0	5,554.9	5,502.2	5,376.4	13.1	15.7	-4.57	544.0	150.2	356.9	334.0	22.88	15.601			
5,700.0	5,641.1	5,602.1	5,462.9	13.7	16.4	-5.40	592.8	160.9	356.4	333.0	23.39	15.238			
5,800.0	5,727.3	5,702.0	5,549.4	14.2	17.2	-6.23	641.6	171.7	355.9	331.9	23.99	14.831			
5,900.0	5,813.5	5,801.8	5,635.9	14.9	18.0	-7.07	690.3	182.5	355.4	330.8	24.62	14.434			
6,000.0	5,899.7	5,901.7	5,722.3	15.5	18.9	-7.91	739.1	193.2	355.0	329.7	25.27	14.047			
6,100.0	5,985.9	6,001.5	5,808.8	16.2	19.7	-8.75	787.9	204.0	354.7	328.8	25.95	13.669			
6,200.0	6,072.0	6,101.4	5,895.3	16.9	20.5	-9.59	836.6	214.8	354.5	327.8	26.65	13.301			
6,300.0	6,158.2	6,201.3	5,981.8	17.7	21.4	-10.43	885.4	225.6	354.3	327.0	27.38	12.941			
6,400.0	6,244.4	6,301.1	6,068.2	18.4	22.2	-11.27	934.2	236.3	354.3	326.1	28.14	12.591			
6,444.7	6,282.9	6,345.8	6,106.9	18.8	22.6	-11.65	956.0	241.1	354.3	325.8	28.49	12.436			
6,500.0	6,330.6	6,401.0	6,154.7	19.2	23.1	-12.12	982.9	247.1	354.3	325.4	28.92	12.249			
6,600.0	6,416.7	6,500.9	6,241.2	20.0	24.0	-12.96	1,031.7	257.9	354.4	324.6	29.74	11.916			
6,700.0	6,502.9	6,600.7	6,327.7	20.9	24.9	-13.80	1,080.5	268.6	354.5	323.9	30.58	11.592			
6,800.0	6,589.1	6,700.6	6,414.2	21.7	25.7	-14.64	1,129.3	279.4	354.7	323.3	31.46	11.276			
6,900.0	6,675.3	6,800.5	6,500.6	22.5	26.6	-14.38	1,178.0	290.2	355.1	322.7	32.37	10.968			
7,000.0	6,762.3	6,900.7	6,587.8	23.2	27.4	7.88	1,227.2	290.7	355.4	322.3	33.09	10.738			
7,100.0	6,847.7	7,000.3	6,672.3	23.8	28.1	27.58	1,274.8	268.9	355.5	321.9	33.63	10.571			
7,200.0	6,927.2	7,099.3	6,749.9	24.3	28.7	41.00	1,318.5	226.3	355.6	321.5	34.04	10.444			
7,300.0	6,996.5	7,197.8	6,817.0	24.7	29.2	49.26	1,356.2	165.3	355.5	321.0	34.46	10.315			
7,400.0	7,052.3	7,295.7	6,870.4	25.1	29.6	54.17	1,386.2	89.1	355.2	320.1	35.09	10.121			
7,500.0	7,091.6	7,393.2	6,907.8	25.3	29.9	56.97	1,407.2	1.8	354.8	318.6	36.17	9.809			
7,600.0	7,112.5	7,490.5	6,927.6	25.6	30.2	58.28	1,418.2	-92.7	354.3	316.5	37.81	9.370			
7,700.0	7,115.6	7,588.9	6,930.6	25.9	30.4	58.46	1,419.7	-190.9	353.6	313.7	39.96	8.851			
7,800.0	7,115.6	7,688.9	6,930.6	26.5	30.9	58.39	1,419.6	-290.9	353.0	310.5	42.54	8.298			
7,900.0	7,115.6	7,788.9	6,930.6	27.4	31.5	58.33	1,419.4	-390.9	352.4	306.9	45.48	7.747			
8,000.0	7,115.6	7,888.9	6,930.6	28.7	32.4	58.26	1,419.3	-490.9	351.7	303.0	48.73	7.218			
8,100.0	7,115.6	7,988.9	6,930.6	30.3	33.6	58.20	1,419.1	-590.9	351.1	298.9	52.22	6.723			
8,200.0	7,115.6	8,088.9	6,930.6	32.2	35.1	58.13	1,419.0	-690.9	350.4	294.5	55.90	6.269			
8,300.0	7,115.6	8,188.9	6,930.6	34.2	36.8	58.07	1,418.8	-790.9	349.8	290.0	59.74	5.855			
8,400.0	7,115.6	8,288.9	6,930.6	36.4	38.7	58.00	1,418.7	-890.9	349.1	285.4	63.71	5.481			
8,500.0	7,115.6	8,388.9	6,930.6	38.6	40.7	57.94	1,418.5	-990.9	348.5	280.7	67.78	5.142			
8,600.0	7,115.6	8,488.9	6,930.6	41.0	42.8	57.87	1,418.4	-1,090.9	347.9	275.9	71.93	4.836			
8,700.0	7,115.6	8,588.9	6,930.6	43.4	45.1	57.81	1,418.2	-1,190.9	347.2	271.1	76.16	4.559			
8,800.0	7,115.6	8,688.9	6,930.6	45.8	47.4	57.74	1,418.1	-1,290.9	346.6	266.1	80.44	4.309			
8,900.0	7,115.6	8,788.9	6,930.6	48.3	49.8	57.67	1,417.9	-1,390.9	346.0	261.2	84.77	4.081			
9,000.0	7,115.6	8,888.9	6,930.6	50.9	52.2	57.60	1,417.8	-1,490.9	345.3	256.2	89.14	3.874			
9,100.0	7,115.6	8,988.9	6,930.6	53.4	54.7	57.54	1,417.6	-1,590.9	344.7	251.1	93.55	3.684			
9,200.0	7,115.6	9,088.9	6,930.6	56.0	57.2	57.47	1,417.5	-1,690.9	344.0	246.1	97.98	3.511			
9,300.0	7,115.6	9,188.9	6,930.6	58.6	59.7	57.40	1,417.3	-1,790.9	343.4	241.0	102.43	3.352			
9,400.0	7,115.6	9,288.9	6,930.6	61.2	62.3	57.33	1,417.2	-1,890.9	342.8	235.9	106.91	3.206			
9,500.0	7,115.6	9,388.9	6,930.6	63.9	64.9	57.27	1,417.0	-1,990.9	342.1	230.7	111.39	3.071			
9,600.0	7,115.6	9,488.9	6,930.6	66.5	67.5	57.20	1,416.9	-2,090.9	341.5	225.6	115.90	2.947			
9,700.0	7,115.6	9,588.9	6,930.6	69.2	70.1	57.13	1,416.7	-2,190.9	340.9	220.5	120.41	2.831			
9,800.0	7,115.6	9,688.9	6,930.6	71.9	72.7	57.06	1,416.6	-2,290.9	340.2	215.3	124.93	2.723			
9,900.0	7,115.6	9,788.9	6,930.6	74.6	75.4	56.99	1,416.4	-2,390.9	339.6	210.1	129.46	2.623			
10,000.0	7,115.6	9,888.9	6,930.6	77.3	78.0	56.92	1,416.2	-2,490.9	339.0	205.0	133.99	2.530			
10,100.0	7,115.6	9,988.9	6,930.6	80.0	80.7	56.85	1,416.1	-2,590.9	338.3	199.8	138.53	2.442			
10,200.0	7,115.6	10,088.9	6,930.6	82.7	83.4	56.78	1,415.9	-2,690.9	337.7	194.6	143.07	2.360			

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 27-099HC
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 27-099HC	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:	0.0ft	
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			
10,300.0	7,115.6	10,188.9	6,930.6	85.4	86.1	56.71	1,415.8	-2,790.9	337.1	189.5	147.61	2.283			
10,400.0	7,115.6	10,288.8	6,930.6	88.1	88.8	56.64	1,415.6	-2,890.9	336.4	184.3	152.16	2.211			
10,500.0	7,115.6	10,388.8	6,930.6	90.8	91.5	56.57	1,415.5	-2,990.9	335.8	179.1	156.70	2.143			
10,600.0	7,115.6	10,488.8	6,930.6	93.6	94.2	56.50	1,415.3	-3,090.9	335.2	173.9	161.24	2.079			
10,700.0	7,115.6	10,588.8	6,930.6	96.3	96.9	56.43	1,415.2	-3,190.9	334.6	168.8	165.79	2.018			
10,800.0	7,115.6	10,688.8	6,930.6	99.0	99.6	56.36	1,415.0	-3,290.9	333.9	163.6	170.33	1.961			
10,900.0	7,115.6	10,788.8	6,930.6	101.8	102.4	56.28	1,414.9	-3,390.8	333.3	158.4	174.86	1.906			
11,000.0	7,115.6	10,888.8	6,930.6	104.5	105.1	56.21	1,414.7	-3,490.8	332.7	153.3	179.40	1.854			
11,100.0	7,115.6	10,988.8	6,930.6	107.3	107.8	56.14	1,414.6	-3,590.8	332.0	148.1	183.93	1.805			
11,200.0	7,115.6	11,088.8	6,930.6	110.0	110.6	56.07	1,414.4	-3,690.8	331.4	143.0	188.46	1.759			
11,300.0	7,115.6	11,188.8	6,930.6	112.8	113.3	55.99	1,414.3	-3,790.8	330.8	137.8	192.98	1.714			
11,400.0	7,115.6	11,288.8	6,930.6	115.6	116.0	55.92	1,414.1	-3,890.8	330.2	132.7	197.50	1.672			
11,500.0	7,115.6	11,388.8	6,930.6	118.3	118.8	55.85	1,414.0	-3,990.8	329.5	127.5	202.02	1.631			
11,600.0	7,115.6	11,488.8	6,930.6	121.1	121.5	55.77	1,413.8	-4,090.8	328.9	122.4	206.53	1.593			
11,700.0	7,115.6	11,588.8	6,930.6	123.9	124.3	55.70	1,413.7	-4,190.8	328.3	117.3	211.03	1.556			
11,800.0	7,115.6	11,688.8	6,930.6	126.6	127.1	55.63	1,413.5	-4,290.8	327.7	112.1	215.53	1.520			
11,900.0	7,115.6	11,788.8	6,930.6	129.4	129.8	55.55	1,413.4	-4,390.8	327.0	107.0	220.03	1.486	Level 3		
12,000.0	7,115.6	11,888.8	6,930.6	132.2	132.6	55.48	1,413.2	-4,490.8	326.4	101.9	224.51	1.454	Level 3		
12,100.0	7,115.6	11,988.8	6,930.6	134.9	135.3	55.40	1,413.0	-4,590.8	325.8	96.8	229.00	1.423	Level 3		
12,200.0	7,115.6	12,088.8	6,930.6	137.7	138.1	55.33	1,412.9	-4,690.8	325.2	91.7	233.47	1.393	Level 3		
12,300.0	7,115.6	12,188.8	6,930.6	140.5	140.9	55.25	1,412.7	-4,790.8	324.6	86.6	237.94	1.364	Level 3		
12,400.0	7,115.6	12,288.8	6,930.6	143.3	143.6	55.17	1,412.6	-4,890.8	323.9	81.5	242.40	1.336	Level 3		
12,500.0	7,115.6	12,388.8	6,930.6	146.0	146.4	55.10	1,412.4	-4,990.8	323.3	76.5	246.85	1.310	Level 3		
12,600.0	7,115.6	12,488.8	6,930.6	148.8	149.2	55.02	1,412.3	-5,090.8	322.7	71.4	251.30	1.284	Level 3		
12,700.0	7,115.6	12,588.8	6,930.6	151.6	151.9	54.94	1,412.1	-5,190.8	322.1	66.4	255.74	1.259	Level 3		
12,800.0	7,115.6	12,688.8	6,930.6	154.4	154.7	54.87	1,412.0	-5,290.8	321.5	61.3	260.17	1.236	Level 2		
12,900.0	7,115.6	12,788.8	6,930.6	157.2	157.5	54.79	1,411.8	-5,390.8	320.9	56.3	264.60	1.213	Level 2		
13,000.0	7,115.6	12,888.8	6,930.6	159.9	160.3	54.71	1,411.7	-5,490.8	320.2	51.2	269.01	1.190	Level 2		
13,100.0	7,115.6	12,988.8	6,930.6	162.7	163.0	54.63	1,411.5	-5,590.8	319.6	46.2	273.42	1.169	Level 2		
13,200.0	7,115.6	13,088.8	6,930.6	165.5	165.8	54.55	1,411.4	-5,690.8	319.0	41.2	277.82	1.148	Level 2		
13,300.0	7,115.6	13,188.8	6,930.6	168.3	168.6	54.48	1,411.2	-5,790.8	318.4	36.2	282.21	1.128	Level 2		
13,400.0	7,115.6	13,288.8	6,930.6	171.1	171.4	54.40	1,411.1	-5,890.8	317.8	31.2	286.60	1.109	Level 2		
13,500.0	7,115.6	13,388.8	6,930.6	173.9	174.1	54.32	1,410.9	-5,990.8	317.2	26.2	290.97	1.090	Level 2		
13,600.0	7,115.6	13,488.8	6,930.6	176.7	176.9	54.24	1,410.8	-6,090.8	316.6	21.2	295.34	1.072	Level 2		
13,700.0	7,115.6	13,588.8	6,930.6	179.5	179.7	54.16	1,410.6	-6,190.8	315.9	16.3	299.69	1.054	Level 2		
13,800.0	7,115.6	13,688.8	6,930.6	182.2	182.5	54.08	1,410.5	-6,290.8	315.3	11.3	304.04	1.037	Level 2		
13,900.0	7,115.6	13,788.7	6,930.6	185.0	185.3	54.00	1,410.3	-6,390.8	314.7	6.3	308.38	1.021	Level 2		
14,000.0	7,115.6	13,888.7	6,930.6	187.8	188.1	53.92	1,410.2	-6,490.8	314.1	1.4	312.71	1.004	Level 2		
14,100.0	7,115.6	13,988.7	6,930.6	190.6	190.8	53.83	1,410.0	-6,590.8	313.5	-3.5	317.03	0.989	Level 1		
14,200.0	7,115.6	14,088.7	6,930.6	193.4	193.6	53.75	1,409.9	-6,690.8	312.9	-8.4	321.34	0.974	Level 1		
14,230.6	7,115.6	14,118.0	6,930.6	194.3	194.4	53.73	1,409.8	-6,720.0	312.7	-9.9	322.63	0.969	Level 1, ES, SF		

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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	-89.88	0.1	-30.3	30.3						
100.0	100.0	100.0	100.0	0.1	0.1	-89.88	0.1	-30.3	30.3	30.1	0.22	134.951			
200.0	200.0	200.0	200.0	0.3	0.3	-89.88	0.1	-30.3	30.3	29.7	0.67	44.984			
300.0	300.0	300.0	300.0	0.6	0.6	-89.88	0.1	-30.3	30.3	29.2	1.12	26.990			
400.0	400.0	400.0	400.0	0.8	0.8	-89.88	0.1	-30.3	30.3	28.8	1.57	19.279			
500.0	500.0	500.0	500.0	1.0	1.0	-89.88	0.1	-30.3	30.3	28.3	2.02	14.995			
600.0	600.0	600.0	600.0	1.2	1.2	-89.88	0.1	-30.3	30.3	27.9	2.47	12.268			
700.0	700.0	700.0	700.0	1.5	1.5	-89.88	0.1	-30.3	30.3	27.4	2.92	10.381			
800.0	800.0	800.0	800.0	1.7	1.7	-89.88	0.1	-30.3	30.3	27.0	3.37	8.997			
900.0	900.0	900.0	900.0	1.9	1.9	-89.88	0.1	-30.3	30.3	26.5	3.82	7.938			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-89.88	0.1	-30.3	30.3	26.1	4.27	7.103			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-89.88	0.1	-30.3	30.3	25.6	4.72	6.426			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-89.88	0.1	-30.3	30.3	25.2	5.17	5.867			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-89.88	0.1	-30.3	30.3	24.7	5.62	5.398			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-89.88	0.1	-30.3	30.3	24.3	6.07	4.998			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-89.88	0.1	-30.3	30.3	23.8	6.52	4.653			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-89.88	0.1	-30.3	30.3	23.4	6.97	4.353			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.88	0.1	-30.3	30.3	22.9	7.42	4.089			
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-89.88	0.1	-30.3	30.3	22.5	7.87	3.856			
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-89.88	0.1	-30.3	30.3	22.0	8.32	3.647			
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-89.88	0.1	-30.3	30.3	21.6	8.77	3.460			
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-89.88	0.1	-30.3	30.3	21.1	9.22	3.291			
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-89.88	0.1	-30.3	30.3	20.7	9.66	3.138			
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-89.88	0.1	-30.3	30.3	20.2	10.11	2.999			
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-89.88	0.1	-30.3	30.3	19.8	10.56	2.871			
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-89.88	0.1	-30.3	30.3	19.3	11.01	2.754			
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-89.88	0.1	-30.3	30.3	18.9	11.46	2.646			
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-89.88	0.1	-30.3	30.3	18.4	11.91	2.546			
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-89.88	0.1	-30.3	30.3	18.0	12.36	2.454			
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-89.88	0.1	-30.3	30.3	17.5	12.81	2.368			
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-89.88	0.1	-30.3	30.3	17.1	13.26	2.287			
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-89.88	0.1	-30.3	30.3	16.6	13.71	2.212			
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-89.88	0.1	-30.3	30.3	16.2	14.16	2.142			
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-89.88	0.1	-30.3	30.3	15.7	14.61	2.076			
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-89.88	0.1	-30.3	30.3	15.3	15.06	2.014			
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-89.88	0.1	-30.3	30.3	14.8	15.51	1.956			
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-89.88	0.1	-30.3	30.3	14.4	15.96	1.901			
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-89.88	0.1	-30.3	30.3	13.9	16.41	1.849			
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-89.88	0.1	-30.3	30.3	13.5	16.86	1.799			
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-89.88	0.1	-30.3	30.3	13.0	17.31	1.753			
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-89.88	0.1	-30.3	30.3	12.6	17.76	1.708			
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-89.88	0.1	-30.3	30.3	12.1	18.21	1.666			
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-89.88	0.1	-30.3	30.3	11.7	18.66	1.626			
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-89.88	0.1	-30.3	30.3	11.2	19.11	1.588			
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-89.88	0.1	-30.3	30.3	10.8	19.55	1.551			
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-89.88	0.1	-30.3	30.3	10.3	20.00	1.516			
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-89.88	0.1	-30.3	30.3	9.9	20.45	1.483 Level 3, CC, ES			
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-112.73	0.1	-30.3	31.2	10.4	20.90	1.495 Level 3			
4,800.0	4,799.6	4,799.6	4,799.6	10.7	10.7	-124.53	0.1	-30.3	35.0	13.7	21.31	1.644			
4,900.0	4,898.8	4,900.7	4,900.6	10.9	10.9	-136.89	2.4	-29.1	41.6	19.9	21.67	1.919			
5,000.0	4,997.1	5,002.2	5,001.8	11.1	11.1	-146.55	9.5	-25.2	49.0	27.1	21.96	2.233			
5,100.0	5,094.3	5,104.3	5,103.0	11.4	11.4	-154.38	21.3	-18.8	57.0	34.9	22.17	2.572			

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 27-099HC
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 27-099HC	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	5,190.2	5,206.9	5,203.9	11.6	11.6	-160.99	38.1	-9.8	65.5	43.2	22.33	2.934		
5,300.0	5,284.4	5,310.1	5,304.0	11.9	11.8	-166.76	59.6	1.9	74.3	51.9	22.42	3.315		
5,400.0	5,376.8	5,413.7	5,403.2	12.3	12.1	-171.91	86.0	16.2	83.5	61.0	22.47	3.716		
5,500.0	5,467.1	5,517.8	5,501.0	12.7	12.4	-176.62	117.3	33.1	93.0	70.5	22.49	4.134		
5,600.0	5,554.9	5,622.3	5,597.2	13.1	12.8	179.03	153.4	52.6	102.8	80.3	22.51	4.566		
5,700.0	5,641.1	5,727.5	5,691.5	13.7	13.2	174.90	194.3	74.7	111.1	88.1	23.00	4.832		
5,800.0	5,727.3	5,832.0	5,782.6	14.2	13.8	170.55	239.3	99.1	114.8	91.2	23.67	4.851		
5,900.0	5,813.5	5,931.6	5,868.5	14.9	14.3	166.36	283.7	123.1	117.4	92.9	24.45	4.801		
6,000.0	5,899.7	6,031.2	5,954.3	15.5	14.9	162.36	328.1	147.1	120.6	95.2	25.36	4.754		
6,100.0	5,985.9	6,130.8	6,040.2	16.2	15.5	158.58	372.4	171.1	124.3	97.9	26.40	4.707		
6,200.0	6,072.0	6,230.4	6,126.1	16.9	16.2	155.03	416.8	195.1	128.5	100.9	27.57	4.661		
6,300.0	6,158.2	6,330.0	6,212.0	17.7	16.9	151.72	461.2	219.1	133.2	104.3	28.85	4.616		
6,400.0	6,244.4	6,429.6	6,297.9	18.4	17.6	148.65	505.5	243.1	138.3	108.0	30.25	4.572		
6,500.0	6,330.6	6,529.2	6,383.8	19.2	18.4	145.79	549.9	267.1	143.8	112.0	31.74	4.530		
6,600.0	6,416.7	6,632.9	6,473.5	20.0	19.1	143.57	596.2	290.6	149.1	115.9	33.21	4.491		
6,700.0	6,502.9	6,743.4	6,571.4	20.9	19.8	148.96	646.6	294.8	148.6	115.6	33.05	4.498		
6,778.9	6,571.0	6,822.4	6,640.5	21.5	20.1	159.15	682.0	280.8	146.8	115.2	31.60	4.645		
6,800.0	6,589.1	6,841.7	6,657.0	21.7	20.2	162.42	690.4	275.3	147.0	115.9	31.16	4.719		
6,900.0	6,675.3	6,922.0	6,722.7	22.5	20.5	179.72	723.9	244.0	158.7	128.7	30.04	5.284		
7,000.0	6,762.3	6,991.4	6,774.7	23.2	20.7	-141.42	750.3	206.4	188.0	155.8	32.21	5.836		
7,100.0	6,847.7	7,057.4	6,818.7	23.8	20.8	-109.53	772.5	162.7	223.8	188.9	34.91	6.411		
7,200.0	6,927.2	7,121.0	6,855.3	24.3	20.9	-87.72	790.8	114.0	259.1	223.2	35.87	7.224		
7,300.0	6,996.5	7,183.0	6,884.5	24.7	21.0	-73.84	805.4	61.4	290.3	255.2	35.09	8.273		
7,400.0	7,052.3	7,243.9	6,906.6	25.1	21.0	-65.24	816.2	5.7	315.3	282.0	33.32	9.462		
7,500.0	7,091.6	7,300.0	6,920.8	25.3	21.1	-60.27	823.0	-48.1	333.1	301.6	31.51	10.569		
7,600.0	7,112.5	7,364.0	6,929.4	25.6	21.3	-57.88	826.9	-111.3	342.8	312.1	30.74	11.155		
7,700.0	7,115.6	7,440.5	6,930.6	25.9	21.6	-57.60	826.8	-187.8	345.3	313.4	31.91	10.823		
7,800.0	7,115.6	7,540.5	6,930.6	26.5	22.6	-57.74	825.9	-287.8	346.6	312.1	34.50	10.045		
7,900.0	7,115.6	7,640.5	6,930.6	27.4	24.1	-57.87	825.0	-387.8	347.9	310.3	37.56	9.261		
8,000.0	7,115.6	7,740.5	6,930.6	28.7	25.9	-58.00	824.0	-487.8	349.2	308.2	40.98	8.521		
8,100.0	7,115.6	7,840.5	6,930.6	30.3	27.9	-58.13	823.1	-587.8	350.5	305.8	44.67	7.846		
8,200.0	7,115.6	7,940.5	6,930.6	32.2	30.1	-58.26	822.2	-687.7	351.7	303.2	48.58	7.241		
8,300.0	7,115.6	8,040.5	6,930.6	34.2	32.3	-58.39	821.3	-787.7	353.0	300.4	52.66	6.704		
8,400.0	7,115.6	8,140.4	6,930.6	36.4	34.7	-58.52	820.4	-887.7	354.3	297.4	56.88	6.230		
8,500.0	7,115.6	8,240.4	6,930.6	38.6	37.1	-58.65	819.5	-987.7	355.6	294.4	61.21	5.810		
8,600.0	7,115.6	8,340.4	6,930.6	41.0	39.5	-58.78	818.6	-1,087.7	356.9	291.3	65.63	5.438		
8,700.0	7,115.6	8,440.4	6,930.6	43.4	42.0	-58.90	817.7	-1,187.7	358.2	288.1	70.13	5.108		
8,800.0	7,115.6	8,540.4	6,930.6	45.8	44.5	-59.03	816.7	-1,287.7	359.5	284.8	74.70	4.813		
8,900.0	7,115.6	8,640.4	6,930.6	48.3	47.1	-59.15	815.8	-1,387.6	360.8	281.5	79.32	4.549		
9,000.0	7,115.6	8,740.4	6,930.6	50.9	49.7	-59.27	814.9	-1,487.6	362.1	278.1	83.99	4.312		
9,100.0	7,115.6	8,840.4	6,930.6	53.4	52.3	-59.40	814.0	-1,587.6	363.4	274.7	88.70	4.097		
9,200.0	7,115.6	8,940.4	6,930.6	56.0	54.9	-59.52	813.1	-1,687.6	364.7	271.3	93.45	3.903		
9,300.0	7,115.6	9,040.3	6,930.6	58.6	57.6	-59.64	812.2	-1,787.6	366.0	267.8	98.23	3.726		
9,400.0	7,115.6	9,140.3	6,930.6	61.2	60.2	-59.76	811.3	-1,887.6	367.3	264.3	103.04	3.565		
9,500.0	7,115.6	9,240.3	6,930.6	63.9	62.9	-59.88	810.4	-1,987.5	368.6	260.8	107.88	3.417		
9,600.0	7,115.6	9,340.3	6,930.6	66.5	65.6	-59.99	809.4	-2,087.5	370.0	257.2	112.74	3.281		
9,700.0	7,115.6	9,440.3	6,930.6	69.2	68.3	-60.11	808.5	-2,187.5	371.3	253.6	117.63	3.156		
9,800.0	7,115.6	9,540.3	6,930.6	71.9	71.0	-60.23	807.6	-2,287.5	372.6	250.0	122.54	3.041		
9,900.0	7,115.6	9,640.3	6,930.6	74.6	73.7	-60.34	806.7	-2,387.5	373.9	246.4	127.46	2.933		
10,000.0	7,115.6	9,740.3	6,930.6	77.3	76.4	-60.46	805.8	-2,487.5	375.2	242.8	132.41	2.834		
10,100.0	7,115.6	9,840.2	6,930.6	80.0	79.1	-60.57	804.9	-2,587.4	376.5	239.2	137.37	2.741		
10,200.0	7,115.6	9,940.2	6,930.6	82.7	81.9	-60.68	804.0	-2,687.4	377.9	235.5	142.35	2.654		

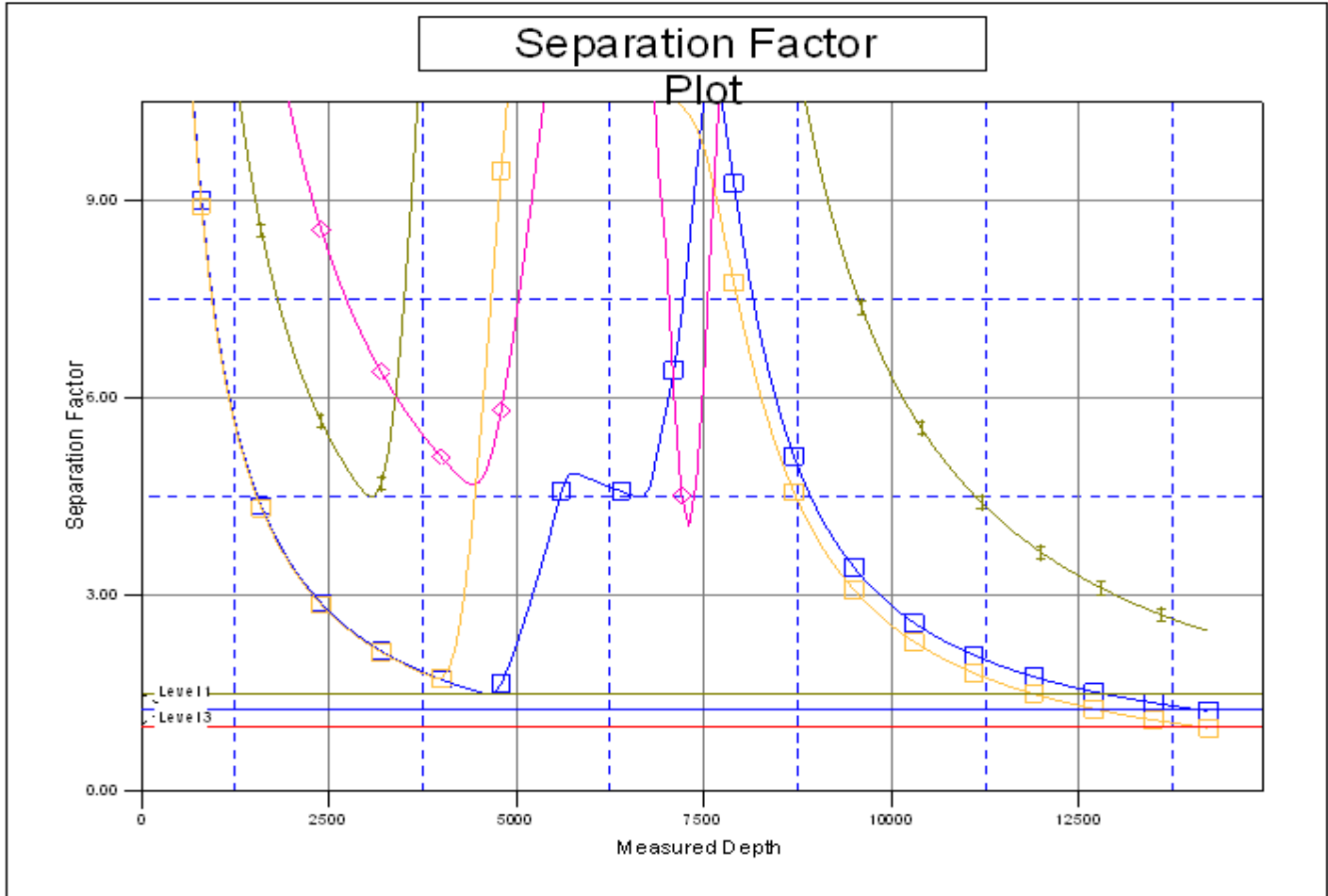
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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			
10,300.0	7,115.6	10,040.2	6,930.6	85.4	84.6	-60.79	803.1	-2,787.4	379.2	231.8	147.35	2.573			
10,400.0	7,115.6	10,140.2	6,930.6	88.1	87.3	-60.91	802.1	-2,887.4	380.5	228.1	152.36	2.497			
10,500.0	7,115.6	10,240.2	6,930.6	90.8	90.1	-61.02	801.2	-2,987.4	381.8	224.4	157.38	2.426			
10,600.0	7,115.6	10,340.2	6,930.6	93.6	92.8	-61.13	800.3	-3,087.4	383.1	220.7	162.41	2.359			
10,700.0	7,115.6	10,440.2	6,930.6	96.3	95.6	-61.23	799.4	-3,187.4	384.5	217.0	167.46	2.296			
10,800.0	7,115.6	10,540.2	6,930.6	99.0	98.3	-61.34	798.5	-3,287.3	385.8	213.3	172.52	2.236			
10,900.0	7,115.6	10,640.2	6,930.6	101.8	101.1	-61.45	797.6	-3,387.3	387.1	209.5	177.60	2.180			
11,000.0	7,115.6	10,740.1	6,930.6	104.5	103.8	-61.56	796.7	-3,487.3	388.5	205.8	182.68	2.126			
11,100.0	7,115.6	10,840.1	6,930.6	107.3	106.6	-61.66	795.8	-3,587.3	389.8	202.0	187.77	2.076			
11,200.0	7,115.6	10,940.1	6,930.6	110.0	109.4	-61.77	794.8	-3,687.3	391.1	198.3	192.88	2.028			
11,300.0	7,115.6	11,040.1	6,930.6	112.8	112.1	-61.87	793.9	-3,787.3	392.5	194.5	197.99	1.982			
11,400.0	7,115.6	11,140.1	6,930.6	115.6	114.9	-61.98	793.0	-3,887.2	393.8	190.7	203.12	1.939			
11,500.0	7,115.6	11,240.1	6,930.6	118.3	117.7	-62.08	792.1	-3,987.2	395.1	186.9	208.25	1.897			
11,600.0	7,115.6	11,340.1	6,930.6	121.1	120.4	-62.18	791.2	-4,087.2	396.5	183.1	213.40	1.858			
11,700.0	7,115.6	11,440.1	6,930.6	123.9	123.2	-62.28	790.3	-4,187.2	397.8	179.3	218.55	1.820			
11,800.0	7,115.6	11,540.1	6,930.6	126.6	126.0	-62.39	789.4	-4,287.2	399.2	175.5	223.71	1.784			
11,900.0	7,115.6	11,640.0	6,930.6	129.4	128.7	-62.49	788.5	-4,387.2	400.5	171.6	228.88	1.750			
12,000.0	7,115.6	11,740.0	6,930.6	132.2	131.5	-62.59	787.5	-4,487.2	401.8	167.8	234.06	1.717			
12,100.0	7,115.6	11,840.0	6,930.6	134.9	134.3	-62.69	786.6	-4,587.1	403.2	164.0	239.24	1.685			
12,200.0	7,115.6	11,940.0	6,930.6	137.7	137.1	-62.78	785.7	-4,687.1	404.5	160.1	244.44	1.655			
12,300.0	7,115.6	12,040.0	6,930.6	140.5	139.8	-62.88	784.8	-4,787.1	405.9	156.3	249.64	1.626			
12,400.0	7,115.6	12,140.0	6,930.6	143.3	142.6	-62.98	783.9	-4,887.1	407.2	152.4	254.85	1.598			
12,500.0	7,115.6	12,240.0	6,930.6	146.0	145.4	-63.08	783.0	-4,987.1	408.6	148.5	260.06	1.571			
12,600.0	7,115.6	12,340.0	6,930.6	148.8	148.2	-63.17	782.1	-5,087.1	409.9	144.7	265.28	1.545			
12,700.0	7,115.6	12,440.0	6,930.6	151.6	151.0	-63.27	781.2	-5,187.0	411.3	140.8	270.51	1.520			
12,800.0	7,115.6	12,539.9	6,930.6	154.4	153.8	-63.36	780.2	-5,287.0	412.6	136.9	275.75	1.496 Level 3			
12,900.0	7,115.6	12,639.9	6,930.6	157.2	156.5	-63.45	779.3	-5,387.0	414.0	133.0	280.99	1.473 Level 3			
13,000.0	7,115.6	12,739.9	6,930.6	159.9	159.3	-63.55	778.4	-5,487.0	415.4	129.1	286.24	1.451 Level 3			
13,100.0	7,115.6	12,839.9	6,930.6	162.7	162.1	-63.64	777.5	-5,587.0	416.7	125.2	291.50	1.430 Level 3			
13,200.0	7,115.6	12,939.9	6,930.6	165.5	164.9	-63.73	776.6	-5,687.0	418.1	121.3	296.76	1.409 Level 3			
13,300.0	7,115.6	13,039.9	6,930.6	168.3	167.7	-63.82	775.7	-5,786.9	419.4	117.4	302.03	1.389 Level 3			
13,400.0	7,115.6	13,139.9	6,930.6	171.1	170.5	-63.92	774.8	-5,886.9	420.8	113.5	307.31	1.369 Level 3			
13,500.0	7,115.6	13,239.9	6,930.6	173.9	173.3	-64.01	773.9	-5,986.9	422.2	109.6	312.59	1.351 Level 3			
13,600.0	7,115.6	13,339.8	6,930.6	176.7	176.1	-64.10	772.9	-6,086.9	423.5	105.6	317.87	1.332 Level 3			
13,700.0	7,115.6	13,439.8	6,930.6	179.5	178.8	-64.19	772.0	-6,186.9	424.9	101.7	323.16	1.315 Level 3			
13,800.0	7,115.6	13,539.8	6,930.6	182.2	181.6	-64.27	771.1	-6,286.9	426.2	97.8	328.46	1.298 Level 3			
13,900.0	7,115.6	13,639.8	6,930.6	185.0	184.4	-64.36	770.2	-6,386.9	427.6	93.8	333.76	1.281 Level 3			
14,000.0	7,115.6	13,739.8	6,930.6	187.8	187.2	-64.45	769.3	-6,486.8	429.0	89.9	339.07	1.265 Level 3			
14,100.0	7,115.6	13,839.8	6,930.6	190.6	190.0	-64.54	768.4	-6,586.8	430.3	86.0	344.39	1.250 Level 2			
14,200.0	7,115.6	13,939.8	6,930.6	193.4	192.8	-64.62	767.5	-6,686.8	431.7	82.0	349.70	1.234 Level 2			
14,230.6	7,115.6	13,970.4	6,930.6	194.3	193.7	-64.65	767.2	-6,717.4	432.1	80.8	351.33	1.230 Level 2, SF			

Company:	Great Western	Local Co-ordinate Reference:	Well Kodak North FD 27-099HC
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 27-099HC	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') Coordinates are relative to: Kodak North FD 27-099HC
 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

- 102HN, Wellbore #1, Plan #1 (11-21-13) \ \ \ \ Kodak North FD 27-062HN, Wellbore #1, Plan #1 (11-21-13) \ \ \ \
- 079HN, Wellbore #1, Plan #1 (11-21-13) \ \ \ \ Kodak North FD 27-019HN, Wellbore #1, Plan #1 (11-21-13) \ \ \ \