

Great Western

Well Name: **Lind EE 20-022HN**

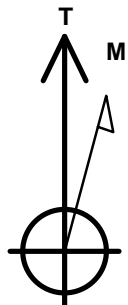
Surface Location: Lind West Pad Sec.20-T7N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4960.3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1445231.68	3191455.49	40.553519	-104.811006	
RKB - 16.5' WELL @ 4976.8ft (RKB - 16.5')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 215'FSL & 330'FWL	1.0	0.0	0.0	Point
BHL 470'FNL & 470'FWL	7280.8	4640.4	259.5	Point
Entry Pt. 460'FSL & 470'FWL	7280.8	247.0	147.6	Point



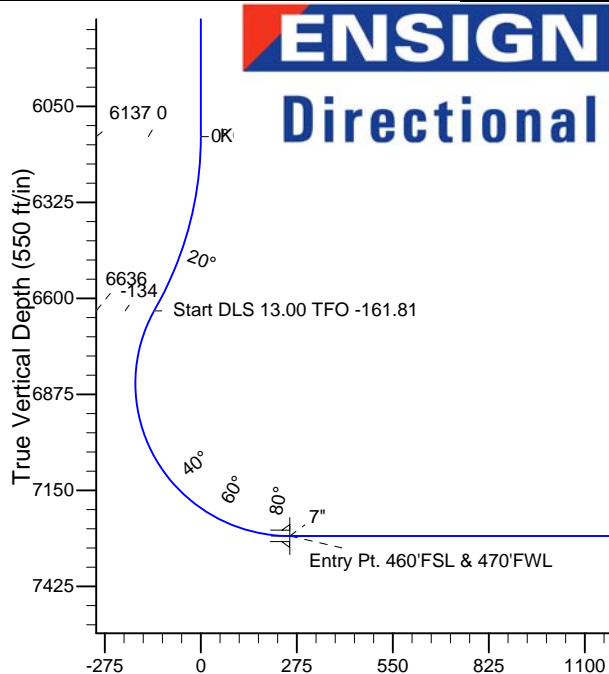
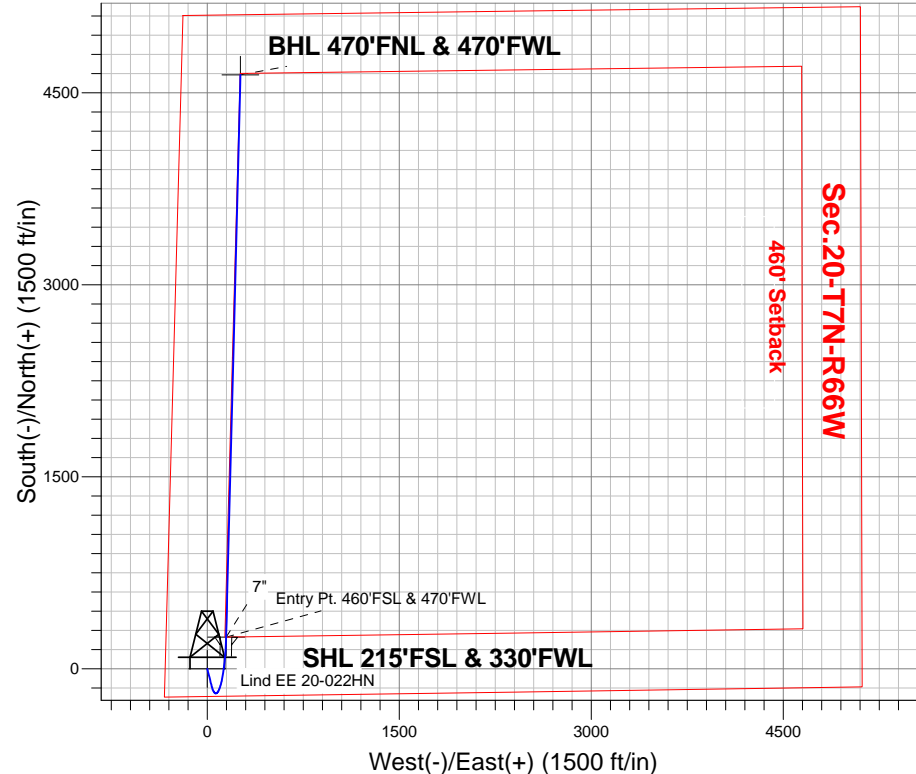
Azimuths to True North
Magnetic North: 8.58°

Magnetic Field
Strength: 52956.6snT
Dip Angle: 67.09°
Date: 10/25/2013
Model: IGRF2010

Lind West Pad Sec.20-T7N-R66W
Lind EE 20-022HN
Plan #1 (10-25-13)
12:51, October 28 2013

ANNOTATIONS

TVD	MD	Annotation
6137.0	6137.0	KOP - Start Build 6.00
6635.7	6661.5	Start DLS 13.00 TFO -161.81
7280.8	11970.2	TD at 11970.2



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	6137.0	0.00	0.00	6137.0	0.0	0.0	0.00	0.00	0.0	
3	6638.8	30.11	165.72	6616.1	-124.9	31.8	6.00	165.72	-122.9	
4	6661.5	30.11	165.72	6635.7	-135.9	34.6	0.00	0.00	-133.8	
5	7575.4	90.00	1.59	7280.8	247.0	147.6	13.00	-161.81	254.9	Entry Pt. 460'FSL & 470'FWL
6	7588.5	90.00	1.46	7280.8	260.1	147.9	1.00	-90.00	267.9	
7	11970.2	90.00	1.46	7280.8	4640.4	259.5	0.00	0.00	4647.6	BHL 470'FNL & 470'FWL

Vertical Section at 3.20° (550 ft/in)



Great Western

SEC.20-T7N-R66W

Lind West Pad Sec.20-T7N-R66W

Lind EE 20-022HN

Wellbore #1

Plan: Plan #1 (10-25-13)

Standard Planning Report

28 October, 2013

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,137.0	0.00	0.00	6,137.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,638.8	30.11	165.72	6,616.1	-124.9	31.8	6.00	6.00	0.00	165.72	
6,661.5	30.11	165.72	6,635.7	-135.9	34.6	0.00	0.00	0.00	0.00	
7,575.4	90.00	1.59	7,280.8	247.0	147.6	13.00	6.55	-17.96	-161.81	Entry Pt. 460'FSL &
7,588.5	90.00	1.46	7,280.8	260.1	147.9	1.00	0.00	-1.00	-90.00	
11,970.2	90.00	1.46	7,280.8	4,640.4	259.5	0.00	0.00	0.00	0.00	BHL 470'FNL & 470'

Database:	Landmark	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Company:	Great Western	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Project:	SEC.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site:	Lind West Pad Sec.20-T7N-R66W	North Reference:	True
Well:	Lind EE 20-022HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-25-13)		

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 215'FSL & 330'FWL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00

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Well:	Lind EE 20-022HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (10-25-13)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,137.0	0.00	0.00	6,137.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 6.00									
6,200.0	3.78	165.72	6,200.0	-2.0	0.5	-2.0	6.00	6.00	0.00
6,300.0	9.78	165.72	6,299.2	-13.4	3.4	-13.2	6.00	6.00	0.00
6,400.0	15.78	165.72	6,396.7	-34.9	8.9	-34.3	6.00	6.00	0.00
6,500.0	21.78	165.72	6,491.3	-66.1	16.8	-65.0	6.00	6.00	0.00
6,600.0	27.78	165.72	6,582.1	-106.7	27.1	-105.0	6.00	6.00	0.00
6,638.8	30.11	165.72	6,616.1	-124.9	31.8	-122.9	6.00	6.00	0.00
6,661.5	30.11	165.72	6,635.7	-135.9	34.6	-133.8	0.00	0.00	0.00
Start DLS 13.00 TFO -161.81									
6,700.0	25.40	162.08	6,669.7	-153.1	39.5	-150.7	13.00	-12.24	-9.46
6,800.0	14.06	142.31	6,763.8	-183.3	53.6	-180.0	13.00	-11.34	-19.77
6,900.0	9.26	78.03	6,862.1	-191.2	69.0	-187.1	13.00	-4.80	-64.28
7,000.0	17.59	31.61	6,959.5	-176.6	84.8	-171.6	13.00	8.32	-46.43
7,100.0	29.46	17.89	7,051.1	-140.2	100.4	-134.4	13.00	11.88	-13.72
7,200.0	41.98	11.74	7,132.1	-83.8	114.8	-77.3	13.00	12.51	-6.15
7,300.0	54.69	8.04	7,198.5	-10.4	127.4	-3.2	13.00	12.71	-3.70
7,400.0	67.48	5.36	7,246.8	76.4	137.4	83.9	13.00	12.79	-2.68
7,500.0	80.31	3.14	7,274.4	172.0	144.5	179.8	13.00	12.83	-2.22
7,575.4	89.99	1.59	7,280.8	247.0	147.6	254.9	13.00	12.83	-2.06
7" - Entry Pt. 460'FSL & 470'FWL									
7,588.5	90.00	1.46	7,280.8	260.1	147.9	267.9	1.01	0.05	-1.01
7,600.0	90.00	1.46	7,280.8	271.6	148.2	279.4	0.00	0.00	0.00
7,700.0	90.00	1.46	7,280.8	371.5	150.7	379.4	0.00	0.00	0.00
7,800.0	90.00	1.46	7,280.8	471.5	153.3	479.3	0.00	0.00	0.00
7,900.0	90.00	1.46	7,280.8	571.5	155.8	579.3	0.00	0.00	0.00
8,000.0	90.00	1.46	7,280.8	671.4	158.4	679.2	0.00	0.00	0.00
8,100.0	90.00	1.46	7,280.8	771.4	160.9	779.2	0.00	0.00	0.00
8,200.0	90.00	1.46	7,280.8	871.4	163.5	879.1	0.00	0.00	0.00
8,300.0	90.00	1.46	7,280.8	971.3	166.0	979.1	0.00	0.00	0.00
8,400.0	90.00	1.46	7,280.8	1,071.3	168.6	1,079.0	0.00	0.00	0.00
8,500.0	90.00	1.46	7,280.8	1,171.3	171.1	1,179.0	0.00	0.00	0.00
8,600.0	90.00	1.46	7,280.8	1,271.2	173.7	1,279.0	0.00	0.00	0.00
8,700.0	90.00	1.46	7,280.8	1,371.2	176.2	1,378.9	0.00	0.00	0.00
8,800.0	90.00	1.46	7,280.8	1,471.2	178.8	1,478.9	0.00	0.00	0.00
8,900.0	90.00	1.46	7,280.8	1,571.1	181.3	1,578.8	0.00	0.00	0.00
9,000.0	90.00	1.46	7,280.8	1,671.1	183.9	1,678.8	0.00	0.00	0.00
9,100.0	90.00	1.46	7,280.8	1,771.1	186.4	1,778.7	0.00	0.00	0.00
9,200.0	90.00	1.46	7,280.8	1,871.0	188.9	1,878.7	0.00	0.00	0.00
9,300.0	90.00	1.46	7,280.8	1,971.0	191.5	1,978.6	0.00	0.00	0.00
9,400.0	90.00	1.46	7,280.8	2,071.0	194.0	2,078.6	0.00	0.00	0.00
9,500.0	90.00	1.46	7,280.8	2,170.9	196.6	2,178.5	0.00	0.00	0.00
9,600.0	90.00	1.46	7,280.8	2,270.9	199.1	2,278.5	0.00	0.00	0.00

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)	
9,700.0	90.00	1.46	7,280.8	2,370.9	201.7	2,378.4	0.00	0.00	0.00	
9,800.0	90.00	1.46	7,280.8	2,470.8	204.2	2,478.4	0.00	0.00	0.00	
9,900.0	90.00	1.46	7,280.8	2,570.8	206.8	2,578.4	0.00	0.00	0.00	
10,000.0	90.00	1.46	7,280.8	2,670.8	209.3	2,678.3	0.00	0.00	0.00	
10,100.0	90.00	1.46	7,280.8	2,770.8	211.9	2,778.3	0.00	0.00	0.00	
10,200.0	90.00	1.46	7,280.8	2,870.7	214.4	2,878.2	0.00	0.00	0.00	
10,300.0	90.00	1.46	7,280.8	2,970.7	217.0	2,978.2	0.00	0.00	0.00	
10,400.0	90.00	1.46	7,280.8	3,070.7	219.5	3,078.1	0.00	0.00	0.00	
10,500.0	90.00	1.46	7,280.8	3,170.6	222.1	3,178.1	0.00	0.00	0.00	
10,600.0	90.00	1.46	7,280.8	3,270.6	224.6	3,278.0	0.00	0.00	0.00	
10,700.0	90.00	1.46	7,280.8	3,370.6	227.1	3,378.0	0.00	0.00	0.00	
10,800.0	90.00	1.46	7,280.8	3,470.5	229.7	3,477.9	0.00	0.00	0.00	
10,900.0	90.00	1.46	7,280.8	3,570.5	232.2	3,577.9	0.00	0.00	0.00	
11,000.0	90.00	1.46	7,280.8	3,670.5	234.8	3,677.8	0.00	0.00	0.00	
11,100.0	90.00	1.46	7,280.8	3,770.4	237.3	3,777.8	0.00	0.00	0.00	
11,200.0	90.00	1.46	7,280.8	3,870.4	239.9	3,877.8	0.00	0.00	0.00	
11,300.0	90.00	1.46	7,280.8	3,970.4	242.4	3,977.7	0.00	0.00	0.00	
11,400.0	90.00	1.46	7,280.8	4,070.3	245.0	4,077.7	0.00	0.00	0.00	
11,500.0	90.00	1.46	7,280.8	4,170.3	247.5	4,177.6	0.00	0.00	0.00	
11,600.0	90.00	1.46	7,280.8	4,270.3	250.1	4,277.6	0.00	0.00	0.00	
11,700.0	90.00	1.46	7,280.8	4,370.2	252.6	4,377.5	0.00	0.00	0.00	
11,800.0	90.00	1.46	7,280.8	4,470.2	255.2	4,477.5	0.00	0.00	0.00	
11,900.0	90.00	1.46	7,280.8	4,570.2	257.7	4,577.4	0.00	0.00	0.00	
11,970.2	90.00	1.46	7,280.8	4,640.3	259.5	4,647.6	0.00	0.00	0.00	
TD at 11970.2 - BHL 470'FNL & 470'FWL										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")
7,575.4	7,280.8	7"		7	7-1/2

Plan Annotations					
	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
			+N/-S (ft)	+E/-W (ft)	
	6,137.0	6,137.0	0.0	0.0	
	6,661.5	6,635.7	-135.9	34.6	
	11,970.2	7,280.8	4,640.3	259.5	
					KOP - Start Build 6.00
					Start DLS 13.00 TFO -161.81
					TD at 11970.2



Great Western

SEC.20-T7N-R66W

Lind West Pad Sec.20-T7N-R66W

Lind EE 20-022HN

Wellbore #1

Plan #1 (10-25-13)

Anticollision Report

28 October, 2013

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (10-25-13)		
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 10/25/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,969.5	Plan #1 (10-25-13) (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Lind West Pad Sec.20-T7N-R66W						
Lind EE 20-021HN - Wellbore #1 - Plan #1 (10-25-13)	5,934.3	5,934.3	29.2	2.7	1.103	Level 2, CC, ES, SF
Lind EE 20-022HC - Wellbore #1 - Plan #1 (10-25-13)	6,988.7	6,970.2	29.2	-1.4	0.954	Level 1, CC, ES, SF
Lind EE 20-025HN - Wellbore #1 - Plan #1 (10-25-13)	5,400.0	5,400.0	60.3	36.3	2.508	CC, ES, SF
Lind EE 20-027HN - Wellbore #1 - Plan #1 (10-25-13)	4,500.0	4,500.0	90.3	70.3	4.516	CC, ES, SF

Offset Design		Lind West Pad Sec.20-T7N-R66W - Lind EE 20-021HN - Wellbore #1 - Plan #1 (10-25-13)										Offset Site Error:		0.0 ft
Survey Program:		0-MWD										Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-91.45	-0.7	-29.2	29.2					
100.0	100.0	100.0	100.0	0.1	0.1	-91.45	-0.7	-29.2	29.2	29.0	0.22	129.858		
200.0	200.0	200.0	200.0	0.3	0.3	-91.45	-0.7	-29.2	29.2	28.5	0.67	43.286		
300.0	300.0	300.0	300.0	0.6	0.6	-91.45	-0.7	-29.2	29.2	28.1	1.12	25.972		
400.0	400.0	400.0	400.0	0.8	0.8	-91.45	-0.7	-29.2	29.2	27.6	1.57	18.551		
500.0	500.0	500.0	500.0	1.0	1.0	-91.45	-0.7	-29.2	29.2	27.2	2.02	14.429		
600.0	600.0	600.0	600.0	1.2	1.2	-91.45	-0.7	-29.2	29.2	26.7	2.47	11.805		
700.0	700.0	700.0	700.0	1.5	1.5	-91.45	-0.7	-29.2	29.2	26.3	2.92	9.989		
800.0	800.0	800.0	800.0	1.7	1.7	-91.45	-0.7	-29.2	29.2	25.8	3.37	8.657		
900.0	900.0	900.0	900.0	1.9	1.9	-91.45	-0.7	-29.2	29.2	25.4	3.82	7.639		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-91.45	-0.7	-29.2	29.2	24.9	4.27	6.835		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-91.45	-0.7	-29.2	29.2	24.5	4.72	6.184		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-91.45	-0.7	-29.2	29.2	24.0	5.17	5.646		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-91.45	-0.7	-29.2	29.2	23.6	5.62	5.194		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-91.45	-0.7	-29.2	29.2	23.1	6.07	4.810		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-91.45	-0.7	-29.2	29.2	22.7	6.52	4.478		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-91.45	-0.7	-29.2	29.2	22.2	6.97	4.189		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-91.45	-0.7	-29.2	29.2	21.8	7.42	3.935		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-91.45	-0.7	-29.2	29.2	21.3	7.87	3.710		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-91.45	-0.7	-29.2	29.2	20.9	8.32	3.510		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-91.45	-0.7	-29.2	29.2	20.4	8.77	3.330		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-91.45	-0.7	-29.2	29.2	20.0	9.22	3.167		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-91.45	-0.7	-29.2	29.2	19.5	9.66	3.020		

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 Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-91.45	-0.7	-29.2	29.2	19.1	10.11	2.886		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-91.45	-0.7	-29.2	29.2	18.6	10.56	2.763		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-91.45	-0.7	-29.2	29.2	18.2	11.01	2.650		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-91.45	-0.7	-29.2	29.2	17.7	11.46	2.546		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-91.45	-0.7	-29.2	29.2	17.3	11.91	2.450		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-91.45	-0.7	-29.2	29.2	16.8	12.36	2.361		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-91.45	-0.7	-29.2	29.2	16.4	12.81	2.278		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-91.45	-0.7	-29.2	29.2	15.9	13.26	2.201		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-91.45	-0.7	-29.2	29.2	15.5	13.71	2.129		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	-91.45	-0.7	-29.2	29.2	15.0	14.16	2.061		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	-91.45	-0.7	-29.2	29.2	14.6	14.61	1.998		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	-91.45	-0.7	-29.2	29.2	14.1	15.06	1.938		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	-91.45	-0.7	-29.2	29.2	13.7	15.51	1.882		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	-91.45	-0.7	-29.2	29.2	13.2	15.96	1.829		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	-91.45	-0.7	-29.2	29.2	12.8	16.41	1.779		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	-91.45	-0.7	-29.2	29.2	12.3	16.86	1.731		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	-91.45	-0.7	-29.2	29.2	11.9	17.31	1.686		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	-91.45	-0.7	-29.2	29.2	11.4	17.76	1.644		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	-91.45	-0.7	-29.2	29.2	11.0	18.21	1.603		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	-91.45	-0.7	-29.2	29.2	10.5	18.66	1.565		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	-91.45	-0.7	-29.2	29.2	10.1	19.11	1.528		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	-91.45	-0.7	-29.2	29.2	9.6	19.55	1.493 Level 3		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	-91.45	-0.7	-29.2	29.2	9.2	20.00	1.459 Level 3		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	-91.45	-0.7	-29.2	29.2	8.7	20.45	1.427 Level 3		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	-91.45	-0.7	-29.2	29.2	8.3	20.90	1.396 Level 3		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	-91.45	-0.7	-29.2	29.2	7.8	21.35	1.367 Level 3		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	-91.45	-0.7	-29.2	29.2	7.4	21.80	1.339 Level 3		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	-91.45	-0.7	-29.2	29.2	6.9	22.25	1.312 Level 3		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	-91.45	-0.7	-29.2	29.2	6.5	22.70	1.286 Level 3		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	-91.45	-0.7	-29.2	29.2	6.0	23.15	1.261 Level 3		
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	-91.45	-0.7	-29.2	29.2	5.6	23.60	1.237 Level 2		
5,400.0	5,400.0	5,400.0	5,400.0	12.0	12.0	-91.45	-0.7	-29.2	29.2	5.1	24.05	1.214 Level 2		
5,500.0	5,500.0	5,500.0	5,500.0	12.2	12.2	-91.45	-0.7	-29.2	29.2	4.7	24.50	1.191 Level 2		
5,600.0	5,600.0	5,600.0	5,600.0	12.5	12.5	-91.45	-0.7	-29.2	29.2	4.2	24.95	1.170 Level 2		
5,700.0	5,700.0	5,700.0	5,700.0	12.7	12.7	-91.45	-0.7	-29.2	29.2	3.8	25.40	1.149 Level 2		
5,800.0	5,800.0	5,800.0	5,800.0	12.9	12.9	-91.45	-0.7	-29.2	29.2	3.3	25.85	1.129 Level 2		
5,900.0	5,900.0	5,900.0	5,900.0	13.1	13.1	-91.45	-0.7	-29.2	29.2	2.9	26.30	1.110 Level 2		
5,934.3	5,934.3	5,934.3	5,934.3	13.2	13.2	-91.45	-0.7	-29.2	29.2	2.7	26.45	1.103 Level 2, CC, ES, SF		
6,000.0	6,000.0	5,999.4	5,999.4	13.4	13.4	-92.76	-1.4	-29.7	29.7	3.0	26.73	1.111 Level 2		
6,100.0	6,100.0	6,097.7	6,097.4	13.6	13.5	-101.66	-6.9	-33.6	34.4	7.3	27.12	1.268 Level 3		
6,200.0	6,200.0	6,194.8	6,193.6	13.8	13.7	83.14	-17.7	-41.3	45.1	17.6	27.48	1.641		
6,300.0	6,299.2	6,290.6	6,287.4	14.0	13.9	82.66	-33.6	-52.5	60.6	32.8	27.80	2.181		
6,400.0	6,396.7	6,384.6	6,378.0	14.1	14.1	86.40	-54.1	-67.1	80.6	52.4	28.14	2.863		
6,500.0	6,491.3	6,476.5	6,464.7	14.3	14.3	91.13	-78.7	-84.6	105.6	77.1	28.51	3.705		
6,600.0	6,582.1	6,565.7	6,546.9	14.5	14.5	95.44	-106.9	-104.7	136.5	107.5	28.91	4.720		
6,700.0	6,669.7	6,652.4	6,624.6	14.9	14.8	104.46	-138.3	-127.0	173.2	143.8	29.33	5.904		
6,800.0	6,763.8	6,740.3	6,701.4	15.2	15.1	126.26	-172.9	-151.8	214.9	185.1	29.81	7.211		
6,900.0	6,862.1	6,828.8	6,782.4	15.5	15.5	-168.68	-197.2	-177.8	259.4	229.1	30.29	8.565		
7,000.0	6,959.5	6,920.9	6,869.8	15.7	15.8	-121.02	-203.9	-205.4	305.0	274.3	30.69	9.937		
7,100.0	7,051.1	7,019.0	6,962.4	15.8	16.1	-106.04	-190.0	-234.0	349.5	318.5	31.01	11.272		
7,200.0	7,132.1	7,126.3	7,057.7	15.9	16.3	-98.95	-150.8	-262.8	390.6	359.4	31.24	12.506		
7,300.0	7,198.5	7,245.7	7,149.9	15.9	16.4	-94.84	-80.5	-289.7	425.7	394.2	31.44	13.538		

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

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Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	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		
7,400.0	7,246.8	7,378.4	7,227.3	16.1	16.6	-92.31	24.5	-311.0	451.8	420.0	31.83	14.194		
7,500.0	7,274.4	7,521.7	7,273.6	16.5	17.1	-90.70	159.1	-321.8	466.4	433.8	32.69	14.271		
7,600.0	7,280.8	7,647.5	7,280.8	17.0	17.7	-90.00	284.4	-320.6	469.0	435.0	33.93	13.823		
7,700.0	7,280.8	7,747.5	7,280.8	17.7	18.4	-90.00	384.4	-317.8	468.8	433.4	35.33	13.269		
7,800.0	7,280.8	7,847.5	7,280.8	18.6	19.3	-90.00	484.3	-315.1	468.6	431.5	37.11	12.628		
7,900.0	7,280.8	7,947.5	7,280.8	19.6	20.3	-90.00	584.3	-312.4	468.4	429.2	39.18	11.955		
8,000.0	7,280.8	8,047.5	7,280.8	20.8	21.5	-90.00	684.3	-309.6	468.2	426.7	41.50	11.281		
8,100.0	7,280.8	8,147.5	7,280.8	22.0	22.7	-90.00	784.2	-306.9	468.0	424.0	44.04	10.627		
8,200.0	7,280.8	8,247.5	7,280.8	23.4	24.0	-90.00	884.2	-304.2	467.8	421.1	46.75	10.006		
8,300.0	7,280.8	8,347.5	7,280.8	24.8	25.4	-90.00	984.1	-301.4	467.6	418.0	49.61	9.426		
8,400.0	7,280.8	8,447.5	7,280.8	26.3	26.9	-90.00	1,084.1	-298.7	467.4	414.8	52.59	8.887		
8,500.0	7,280.8	8,547.5	7,280.8	27.8	28.4	-90.00	1,184.1	-295.9	467.2	411.5	55.68	8.391		
8,600.0	7,280.8	8,647.5	7,280.8	29.4	30.0	-90.00	1,284.0	-293.2	467.0	408.2	58.86	7.935		
8,700.0	7,280.8	8,747.5	7,280.8	31.0	31.6	-90.00	1,384.0	-290.5	466.8	404.7	62.11	7.517		
8,800.0	7,280.8	8,847.5	7,280.8	32.7	33.2	-90.00	1,483.9	-287.7	466.7	401.2	65.42	7.133		
8,900.0	7,280.8	8,947.5	7,280.8	34.4	34.9	-90.00	1,583.9	-285.0	466.5	397.7	68.79	6.781		
9,000.0	7,280.8	9,047.5	7,280.8	36.1	36.6	-90.00	1,683.9	-282.2	466.3	394.1	72.20	6.458		
9,100.0	7,280.8	9,147.5	7,280.8	37.8	38.3	-90.00	1,783.8	-279.5	466.1	390.4	75.65	6.161		
9,200.0	7,280.8	9,247.5	7,280.8	39.5	40.0	-90.00	1,883.8	-276.8	465.9	386.8	79.14	5.887		
9,300.0	7,280.8	9,347.5	7,280.8	41.3	41.8	-90.00	1,983.8	-274.0	465.7	383.0	82.66	5.634		
9,400.0	7,280.8	9,447.5	7,280.8	43.0	43.5	-90.00	2,083.7	-271.3	465.5	379.3	86.20	5.400		
9,500.0	7,280.8	9,547.5	7,280.8	44.8	45.3	-90.00	2,183.7	-268.6	465.3	375.5	89.77	5.183		
9,600.0	7,280.8	9,647.5	7,280.8	46.6	47.1	-90.00	2,283.6	-265.8	465.1	371.8	93.36	4.982		
9,700.0	7,280.8	9,747.5	7,280.8	48.4	48.9	-90.00	2,383.6	-263.1	464.9	368.0	96.97	4.795		
9,800.0	7,280.8	9,847.5	7,280.8	50.2	50.7	-90.00	2,483.6	-260.3	464.7	364.2	100.59	4.620		
9,900.0	7,280.8	9,947.5	7,280.8	52.0	52.5	-90.00	2,583.5	-257.6	464.6	360.3	104.23	4.457		
10,000.0	7,280.8	10,047.5	7,280.8	53.9	54.3	-90.00	2,683.5	-254.9	464.4	356.5	107.88	4.304		
10,100.0	7,280.8	10,147.5	7,280.8	55.7	56.1	-90.00	2,783.5	-252.1	464.2	352.6	111.54	4.161		
10,200.0	7,280.8	10,247.5	7,280.8	57.5	58.0	-90.00	2,883.4	-249.4	464.0	348.8	115.22	4.027		
10,300.0	7,280.8	10,347.5	7,280.8	59.4	59.8	-90.00	2,983.4	-246.7	463.8	344.9	118.90	3.901		
10,400.0	7,280.8	10,447.5	7,280.8	61.2	61.6	-90.00	3,083.3	-243.9	463.6	341.0	122.60	3.781		
10,500.0	7,280.8	10,547.5	7,280.8	63.1	63.5	-90.00	3,183.3	-241.2	463.4	337.1	126.30	3.669		
10,600.0	7,280.8	10,647.5	7,280.8	64.9	65.3	-90.00	3,283.3	-238.4	463.2	333.2	130.01	3.563		
10,700.0	7,280.8	10,747.5	7,280.8	66.8	67.2	-90.00	3,383.2	-235.7	463.0	329.3	133.73	3.462		
10,800.0	7,280.8	10,847.5	7,280.8	68.6	69.0	-90.00	3,483.2	-233.0	462.8	325.4	137.45	3.367		
10,900.0	7,280.8	10,947.5	7,280.8	70.5	70.9	-90.00	3,583.2	-230.2	462.6	321.5	141.18	3.277		
11,000.0	7,280.8	11,047.5	7,280.8	72.4	72.8	-90.00	3,683.1	-227.5	462.4	317.5	144.91	3.191		
11,100.0	7,280.8	11,147.5	7,280.8	74.2	74.6	-90.00	3,783.1	-224.7	462.3	313.6	148.65	3.110		
11,200.0	7,280.8	11,247.5	7,280.8	76.1	76.5	-90.00	3,883.0	-222.0	462.1	309.7	152.39	3.032		
11,300.0	7,280.8	11,347.5	7,280.8	78.0	78.4	-90.00	3,983.0	-219.3	461.9	305.7	156.14	2.958		
11,400.0	7,280.8	11,447.5	7,280.8	79.9	80.2	-90.00	4,083.0	-216.5	461.7	301.8	159.89	2.887		
11,500.0	7,280.8	11,547.5	7,280.8	81.7	82.1	-90.00	4,182.9	-213.8	461.5	297.8	163.65	2.820		
11,600.0	7,280.8	11,647.5	7,280.8	83.6	84.0	-90.00	4,282.9	-211.1	461.3	293.9	167.40	2.756		
11,700.0	7,280.8	11,747.5	7,280.8	85.5	85.9	-90.00	4,382.9	-208.3	461.1	289.9	171.17	2.694		
11,800.0	7,280.8	11,847.5	7,280.8	87.4	87.7	-90.00	4,482.8	-205.6	460.9	286.0	174.93	2.635		
11,900.0	7,280.8	11,947.5	7,280.8	89.3	89.6	-90.00	4,582.8	-202.8	460.7	282.0	178.70	2.578		
11,945.8	7,280.8	11,993.3	7,280.8	90.0	90.5	-90.00	4,628.6	-201.6	460.6	280.4	180.27	2.555		
11,970.2	7,280.8	11,998.9	7,280.8	90.3	90.6	-90.00	4,634.2	-201.4	461.0	280.2	180.74	2.550		

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	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	87.93	1.1	30.3	30.3					
100.0	100.0	100.0	100.0	0.1	0.1	87.93	1.1	30.3	30.3	30.1	0.22	134.849		
200.0	200.0	200.0	200.0	0.3	0.3	87.93	1.1	30.3	30.3	29.6	0.67	44.950		
300.0	300.0	300.0	300.0	0.6	0.6	87.93	1.1	30.3	30.3	29.2	1.12	26.970		
400.0	400.0	400.0	400.0	0.8	0.8	87.93	1.1	30.3	30.3	28.7	1.57	19.264		
500.0	500.0	500.0	500.0	1.0	1.0	87.93	1.1	30.3	30.3	28.3	2.02	14.983		
600.0	600.0	600.0	600.0	1.2	1.2	87.93	1.1	30.3	30.3	27.8	2.47	12.259		
700.0	700.0	700.0	700.0	1.5	1.5	87.93	1.1	30.3	30.3	27.4	2.92	10.373		
800.0	800.0	800.0	800.0	1.7	1.7	87.93	1.1	30.3	30.3	26.9	3.37	8.990		
900.0	900.0	900.0	900.0	1.9	1.9	87.93	1.1	30.3	30.3	26.5	3.82	7.932		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	87.93	1.1	30.3	30.3	26.0	4.27	7.097		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	87.93	1.1	30.3	30.3	25.6	4.72	6.421		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	87.93	1.1	30.3	30.3	25.1	5.17	5.863		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	87.93	1.1	30.3	30.3	24.7	5.62	5.394		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	87.93	1.1	30.3	30.3	24.2	6.07	4.994		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	87.93	1.1	30.3	30.3	23.8	6.52	4.650		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	87.93	1.1	30.3	30.3	23.3	6.97	4.350		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	87.93	1.1	30.3	30.3	22.9	7.42	4.086		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	87.93	1.1	30.3	30.3	22.4	7.87	3.853		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	87.93	1.1	30.3	30.3	22.0	8.32	3.645		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	87.93	1.1	30.3	30.3	21.5	8.77	3.458		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	87.93	1.1	30.3	30.3	21.1	9.22	3.289		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	87.93	1.1	30.3	30.3	20.6	9.66	3.136		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	87.93	1.1	30.3	30.3	20.2	10.11	2.997		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	87.93	1.1	30.3	30.3	19.7	10.56	2.869		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	87.93	1.1	30.3	30.3	19.3	11.01	2.752		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	87.93	1.1	30.3	30.3	18.8	11.46	2.644		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	87.93	1.1	30.3	30.3	18.4	11.91	2.544		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	87.93	1.1	30.3	30.3	17.9	12.36	2.452		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	87.93	1.1	30.3	30.3	17.5	12.81	2.366		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	87.93	1.1	30.3	30.3	17.0	13.26	2.286		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	87.93	1.1	30.3	30.3	16.6	13.71	2.211		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	87.93	1.1	30.3	30.3	16.1	14.16	2.140		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	87.93	1.1	30.3	30.3	15.7	14.61	2.075		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	87.93	1.1	30.3	30.3	15.3	15.06	2.013		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	87.93	1.1	30.3	30.3	14.8	15.51	1.954		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	87.93	1.1	30.3	30.3	14.4	15.96	1.899		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	87.93	1.1	30.3	30.3	13.9	16.41	1.847		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	87.93	1.1	30.3	30.3	13.5	16.86	1.798		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	87.93	1.1	30.3	30.3	13.0	17.31	1.751		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	87.93	1.1	30.3	30.3	12.6	17.76	1.707		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	87.93	1.1	30.3	30.3	12.1	18.21	1.665		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	87.93	1.1	30.3	30.3	11.7	18.66	1.625		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	87.93	1.1	30.3	30.3	11.2	19.11	1.586		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	87.93	1.1	30.3	30.3	10.8	19.55	1.550		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	87.93	1.1	30.3	30.3	10.3	20.00	1.515		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	87.93	1.1	30.3	30.3	9.9	20.45	1.482 Level 3		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	87.93	1.1	30.3	30.3	9.4	20.90	1.450 Level 3		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	87.93	1.1	30.3	30.3	9.0	21.35	1.419 Level 3		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	87.93	1.1	30.3	30.3	8.5	21.80	1.390 Level 3		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	87.93	1.1	30.3	30.3	8.1	22.25	1.362 Level 3		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	87.93	1.1	30.3	30.3	7.6	22.70	1.335 Level 3		

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

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Offset Design		Lind West Pad Sec.20-T7N-R66W - Lind EE 20-022HC - Wellbore #1 - Plan #1 (10-25-13)											Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis		Distance								Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	87.93	1.1	30.3	30.3	7.2	23.15	1.309	Level 3		
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	87.93	1.1	30.3	30.3	6.7	23.60	1.284	Level 3		
5,400.0	5,400.0	5,400.0	5,400.0	12.0	12.0	87.93	1.1	30.3	30.3	6.3	24.05	1.260	Level 3		
5,500.0	5,500.0	5,500.0	5,500.0	12.2	12.2	87.93	1.1	30.3	30.3	5.8	24.50	1.237	Level 2		
5,600.0	5,600.0	5,600.0	5,600.0	12.5	12.5	87.93	1.1	30.3	30.3	5.4	24.95	1.215	Level 2		
5,700.0	5,700.0	5,700.0	5,700.0	12.7	12.7	87.93	1.1	30.3	30.3	4.9	25.40	1.193	Level 2		
5,800.0	5,800.0	5,800.0	5,800.0	12.9	12.9	87.93	1.1	30.3	30.3	4.5	25.85	1.173	Level 2		
5,900.0	5,900.0	5,900.0	5,900.0	13.1	13.1	87.93	1.1	30.3	30.3	4.0	26.30	1.153	Level 2		
6,000.0	6,000.0	6,000.0	6,000.0	13.4	13.4	87.93	1.1	30.3	30.3	3.6	26.75	1.133	Level 2		
6,100.0	6,100.0	6,099.3	6,099.3	13.6	13.6	92.32	-1.3	31.3	31.4	4.2	27.17	1.155	Level 2		
6,200.0	6,200.0	6,198.3	6,197.9	13.8	13.7	-65.07	-8.3	34.5	34.6	7.1	27.51	1.257	Level 3		
6,300.0	6,299.2	6,297.2	6,296.0	14.0	13.9	-65.02	-20.0	39.7	37.0	9.2	27.79	1.330	Level 3		
6,400.0	6,396.7	6,396.0	6,393.2	14.1	14.1	-72.79	-36.3	46.9	38.2	10.1	28.12	1.359	Level 3		
6,500.0	6,491.3	6,494.8	6,489.2	14.3	14.3	-87.50	-57.2	56.2	40.4	11.8	28.57	1.414	Level 3		
6,600.0	6,582.1	6,593.3	6,583.9	14.5	14.5	-106.13	-82.3	67.3	47.0	18.2	28.84	1.630			
6,700.0	6,669.7	6,691.0	6,677.3	14.9	14.7	-121.08	-108.3	78.9	60.1	31.2	28.97	2.076			
6,800.0	6,763.8	6,790.7	6,772.7	15.2	15.0	-106.45	-134.8	90.6	61.6	31.7	29.99	2.055			
6,900.0	6,862.1	6,888.6	6,866.4	15.5	15.3	-31.24	-160.9	102.2	45.2	14.8	30.42	1.487	Level 3		
6,988.7	6,948.7	6,970.2	6,944.6	15.6	15.5	59.66	-181.9	111.9	29.2	-1.4	30.66	0.954	Level 1, CC, ES, SF		
7,000.0	6,959.5	6,980.4	6,954.5	15.7	15.5	70.85	-184.0	113.1	29.7	-1.1	30.71	0.966	Level 1		
7,100.0	7,051.1	7,076.4	7,049.2	15.8	15.8	131.56	-191.8	125.3	57.3	28.0	29.36	1.953			
7,200.0	7,132.1	7,184.1	7,154.5	15.9	16.0	151.17	-175.8	139.6	97.9	71.2	26.64	3.674			
7,300.0	7,198.5	7,308.1	7,266.6	15.9	16.2	159.69	-126.4	155.7	137.4	114.0	23.47	5.856			
7,400.0	7,246.8	7,452.6	7,373.8	16.1	16.3	164.07	-31.9	172.4	170.5	150.1	20.42	8.351			
7,500.0	7,274.4	7,618.4	7,451.9	16.5	16.5	166.18	112.5	186.7	191.9	173.5	18.41	10.425			
7,600.0	7,280.8	7,778.5	7,472.8	17.0	17.3	166.64	270.3	193.8	197.3	179.0	18.34	10.763			
7,700.0	7,280.8	7,878.5	7,472.8	17.7	18.1	166.58	370.3	196.5	197.4	178.4	18.99	10.394			
7,800.0	7,280.8	7,978.5	7,472.8	18.6	18.9	166.52	470.2	199.3	197.4	177.7	19.77	9.988			
7,900.0	7,280.8	8,078.5	7,472.8	19.6	20.0	166.47	570.2	202.0	197.5	176.8	20.65	9.562			
8,000.0	7,280.8	8,178.5	7,472.8	20.8	21.1	166.41	670.2	204.8	197.5	175.9	21.64	9.129			
8,100.0	7,280.8	8,278.5	7,472.8	22.0	22.4	166.35	770.1	207.6	197.6	174.9	22.71	8.701			
8,200.0	7,280.8	8,378.5	7,472.8	23.4	23.7	166.29	870.1	210.3	197.6	173.8	23.85	8.286			
8,300.0	7,280.8	8,478.5	7,472.8	24.8	25.1	166.23	970.0	213.1	197.7	172.6	25.06	7.888			
8,400.0	7,280.8	8,578.5	7,472.8	26.3	26.6	166.17	1,070.0	215.8	197.7	171.4	26.33	7.510			
8,500.0	7,280.8	8,678.5	7,472.8	27.8	28.1	166.11	1,170.0	218.6	197.8	170.1	27.65	7.154			
8,600.0	7,280.8	8,778.5	7,472.8	29.4	29.7	166.05	1,269.9	221.3	197.8	168.8	29.01	6.820			
8,700.0	7,280.8	8,878.5	7,472.8	31.0	31.3	165.99	1,369.9	224.1	197.9	167.5	30.41	6.508			
8,800.0	7,280.8	8,978.5	7,472.8	32.7	33.0	165.94	1,469.8	226.8	197.9	166.1	31.84	6.216			
8,900.0	7,280.8	9,078.5	7,472.8	34.4	34.6	165.88	1,569.8	229.6	198.0	164.7	33.31	5.944			
9,000.0	7,280.8	9,178.5	7,472.8	36.1	36.3	165.82	1,669.8	232.4	198.0	163.2	34.80	5.691			
9,100.0	7,280.8	9,278.5	7,472.8	37.8	38.0	165.76	1,769.7	235.1	198.1	161.8	36.31	5.455			
9,200.0	7,280.8	9,378.5	7,472.8	39.5	39.8	165.70	1,869.7	237.9	198.1	160.3	37.85	5.235			
9,300.0	7,280.8	9,478.5	7,472.8	41.3	41.5	165.64	1,969.7	240.6	198.2	158.8	39.41	5.029			
9,400.0	7,280.8	9,578.5	7,472.8	43.0	43.3	165.58	2,069.6	243.4	198.2	157.3	40.98	4.837			
9,500.0	7,280.8	9,678.5	7,472.8	44.8	45.1	165.53	2,169.6	246.1	198.3	155.7	42.57	4.658			
9,600.0	7,280.8	9,778.5	7,472.8	46.6	46.9	165.47	2,269.5	248.9	198.3	154.2	44.18	4.490			
9,700.0	7,280.8	9,878.5	7,472.8	48.4	48.6	165.41	2,369.5	251.6	198.4	152.6	45.80	4.332			
9,800.0	7,280.8	9,978.5	7,472.8	50.2	50.5	165.35	2,469.5	254.4	198.5	151.0	47.43	4.184			
9,900.0	7,280.8	10,078.5	7,472.8	52.0	52.3	165.29	2,569.4	257.2	198.5	149.4	49.07	4.045			
10,000.0	7,280.8	10,178.5	7,472.8	53.9	54.1	165.23	2,669.4	259.9	198.6	147.8	50.73	3.914			
10,100.0	7,280.8	10,278.5	7,472.8	55.7	55.9	165.18	2,769.4	262.7	198.6	146.2	52.40	3.790			
10,200.0	7,280.8	10,378.5	7,472.8	57.5	57.7	165.12	2,869.3	265.4	198.7	144.6	54.07	3.674			

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

Lind West Pad Sec.20-T7N-R66W - Lind EE 20-022HC - Wellbore #1 - Plan #1 (10-25-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		Separation Factor
10,300.0	7,280.8	10,478.5	7,472.8	59.4	59.6	165.06	2,969.3	268.2	198.7	143.0	55.76	3.564	
10,400.0	7,280.8	10,578.5	7,472.8	61.2	61.4	165.00	3,069.2	270.9	198.8	141.3	57.46	3.460	
10,500.0	7,280.8	10,678.5	7,472.8	63.1	63.3	164.94	3,169.2	273.7	198.8	139.7	59.16	3.361	
10,600.0	7,280.8	10,778.5	7,472.8	64.9	65.1	164.89	3,269.2	276.4	198.9	138.0	60.87	3.267	
10,700.0	7,280.8	10,878.5	7,472.8	66.8	67.0	164.83	3,369.1	279.2	198.9	136.3	62.59	3.178	
10,800.0	7,280.8	10,978.5	7,472.8	68.6	68.8	164.77	3,469.1	282.0	199.0	134.7	64.32	3.094	
10,900.0	7,280.8	11,078.5	7,472.8	70.5	70.7	164.71	3,569.0	284.7	199.0	133.0	66.05	3.013	
11,000.0	7,280.8	11,178.5	7,472.8	72.4	72.6	164.65	3,669.0	287.5	199.1	131.3	67.79	2.937	
11,100.0	7,280.8	11,278.5	7,472.8	74.2	74.4	164.60	3,769.0	290.2	199.2	129.6	69.54	2.864	
11,200.0	7,280.8	11,378.5	7,472.8	76.1	76.3	164.54	3,868.9	293.0	199.2	127.9	71.30	2.794	
11,300.0	7,280.8	11,478.5	7,472.8	78.0	78.2	164.48	3,968.9	295.7	199.3	126.2	73.06	2.727	
11,400.0	7,280.8	11,578.5	7,472.8	79.9	80.0	164.42	4,068.9	298.5	199.3	124.5	74.83	2.664	
11,500.0	7,280.8	11,678.5	7,472.8	81.7	81.9	164.36	4,168.8	301.2	199.4	122.8	76.60	2.603	
11,600.0	7,280.8	11,778.5	7,472.8	83.6	83.8	164.31	4,268.8	304.0	199.4	121.1	78.38	2.544	
11,700.0	7,280.8	11,878.5	7,472.8	85.5	85.7	164.25	4,368.7	306.8	199.5	119.3	80.16	2.489	
11,800.0	7,280.8	11,978.5	7,472.8	87.4	87.6	164.19	4,468.7	309.5	199.5	117.6	81.96	2.435	
11,900.0	7,280.8	12,078.5	7,472.8	89.3	89.4	164.13	4,568.7	312.3	199.6	115.9	83.75	2.383	
11,970.2	7,280.8	12,148.7	7,472.8	90.3	90.8	164.09	4,638.9	314.2	199.6	114.9	84.78	2.355	

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	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	88.96	1.1	60.3	60.3					
100.0	100.0	100.0	100.0	0.1	0.1	88.96	1.1	60.3	60.3	60.1	0.22	268.331		
200.0	200.0	200.0	200.0	0.3	0.3	88.96	1.1	60.3	60.3	59.6	0.67	89.444		
300.0	300.0	300.0	300.0	0.6	0.6	88.96	1.1	60.3	60.3	59.2	1.12	53.666		
400.0	400.0	400.0	400.0	0.8	0.8	88.96	1.1	60.3	60.3	58.7	1.57	38.333		
500.0	500.0	500.0	500.0	1.0	1.0	88.96	1.1	60.3	60.3	58.3	2.02	29.815		
600.0	600.0	600.0	600.0	1.2	1.2	88.96	1.1	60.3	60.3	57.8	2.47	24.394		
700.0	700.0	700.0	700.0	1.5	1.5	88.96	1.1	60.3	60.3	57.4	2.92	20.641		
800.0	800.0	800.0	800.0	1.7	1.7	88.96	1.1	60.3	60.3	56.9	3.37	17.889		
900.0	900.0	900.0	900.0	1.9	1.9	88.96	1.1	60.3	60.3	56.5	3.82	15.784		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.96	1.1	60.3	60.3	56.0	4.27	14.123		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	88.96	1.1	60.3	60.3	55.6	4.72	12.778		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	88.96	1.1	60.3	60.3	55.1	5.17	11.667		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	88.96	1.1	60.3	60.3	54.7	5.62	10.733		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	88.96	1.1	60.3	60.3	54.2	6.07	9.938		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	88.96	1.1	60.3	60.3	53.8	6.52	9.253		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	88.96	1.1	60.3	60.3	53.3	6.97	8.656		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	88.96	1.1	60.3	60.3	52.9	7.42	8.131		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	88.96	1.1	60.3	60.3	52.4	7.87	7.667		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	88.96	1.1	60.3	60.3	52.0	8.32	7.252		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.96	1.1	60.3	60.3	51.5	8.77	6.880		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.96	1.1	60.3	60.3	51.1	9.22	6.545		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.96	1.1	60.3	60.3	50.6	9.66	6.240		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.96	1.1	60.3	60.3	50.2	10.11	5.963		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.96	1.1	60.3	60.3	49.7	10.56	5.709		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.96	1.1	60.3	60.3	49.3	11.01	5.476		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.96	1.1	60.3	60.3	48.8	11.46	5.261		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.96	1.1	60.3	60.3	48.4	11.91	5.063		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.96	1.1	60.3	60.3	47.9	12.36	4.879		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.96	1.1	60.3	60.3	47.5	12.81	4.708		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.96	1.1	60.3	60.3	47.1	13.26	4.548		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.96	1.1	60.3	60.3	46.6	13.71	4.399		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.96	1.1	60.3	60.3	46.2	14.16	4.259		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.96	1.1	60.3	60.3	45.7	14.61	4.128		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.96	1.1	60.3	60.3	45.3	15.06	4.005		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.96	1.1	60.3	60.3	44.8	15.51	3.889		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.96	1.1	60.3	60.3	44.4	15.96	3.779		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.96	1.1	60.3	60.3	43.9	16.41	3.676		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.96	1.1	60.3	60.3	43.5	16.86	3.578		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	88.96	1.1	60.3	60.3	43.0	17.31	3.485		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	88.96	1.1	60.3	60.3	42.6	17.76	3.397		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	88.96	1.1	60.3	60.3	42.1	18.21	3.313		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	88.96	1.1	60.3	60.3	41.7	18.66	3.233		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	88.96	1.1	60.3	60.3	41.2	19.11	3.157		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	88.96	1.1	60.3	60.3	40.8	19.55	3.084		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	88.96	1.1	60.3	60.3	40.3	20.00	3.015		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	88.96	1.1	60.3	60.3	39.9	20.45	2.949		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	88.96	1.1	60.3	60.3	39.4	20.90	2.885		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	88.96	1.1	60.3	60.3	39.0	21.35	2.825		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	88.96	1.1	60.3	60.3	38.5	21.80	2.766		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	88.96	1.1	60.3	60.3	38.1	22.25	2.710		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	88.96	1.1	60.3	60.3	37.6	22.70	2.657		

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 Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	88.96	1.1	60.3	60.3	37.2	23.15	2.605		
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	88.96	1.1	60.3	60.3	36.7	23.60	2.556		
5,400.0	5,400.0	5,400.0	5,400.0	12.0	12.0	88.96	1.1	60.3	60.3	36.3	24.05	2.508 CC, ES, SF		
5,500.0	5,500.0	5,497.0	5,497.0	12.2	12.2	89.71	0.3	62.6	62.7	38.2	24.47	2.562		
5,600.0	5,600.0	5,593.5	5,593.2	12.5	12.4	91.64	-2.0	69.6	70.0	45.1	24.88	2.812		
5,700.0	5,700.0	5,689.1	5,688.0	12.7	12.6	94.08	-5.8	81.0	82.1	56.8	25.29	3.248		
5,800.0	5,800.0	5,783.2	5,780.6	12.9	12.8	96.48	-11.0	96.7	99.2	73.5	25.69	3.861		
5,900.0	5,900.0	5,875.5	5,870.6	13.1	13.0	98.54	-17.5	116.2	121.1	95.0	26.09	4.642		
6,000.0	6,000.0	5,965.5	5,957.3	13.4	13.2	100.22	-25.1	139.2	147.7	121.2	26.49	5.577		
6,100.0	6,100.0	6,053.1	6,040.4	13.6	13.5	101.54	-33.7	165.2	178.9	152.0	26.89	6.653		
6,200.0	6,200.0	6,138.2	6,119.9	13.8	13.8	-62.38	-43.3	194.0	213.4	186.2	27.22	7.840		
6,300.0	6,299.2	6,221.8	6,196.6	14.0	14.1	-61.84	-53.7	225.5	247.9	220.4	27.49	9.018		
6,400.0	6,396.7	6,300.0	6,267.1	14.1	14.4	-62.47	-64.5	257.9	282.3	254.6	27.72	10.183		
6,500.0	6,491.3	6,382.9	6,340.1	14.3	14.9	-64.12	-76.8	295.1	316.9	288.9	27.97	11.329		
6,600.0	6,582.1	6,464.3	6,410.2	14.5	15.3	-66.27	-89.8	334.4	352.4	324.1	28.30	12.454		
6,700.0	6,669.7	6,553.1	6,486.3	14.9	15.9	-68.80	-104.2	377.7	387.8	358.8	28.99	13.376		
6,800.0	6,763.8	6,645.5	6,565.6	15.2	16.6	-56.66	-119.2	422.8	424.0	394.2	29.80	14.228		
6,900.0	6,862.1	6,738.6	6,645.3	15.5	17.3	3.59	-134.3	468.3	457.9	427.5	30.39	15.067		
7,000.0	6,959.5	6,827.5	6,721.6	15.7	18.0	48.58	-148.7	511.7	489.5	458.8	30.73	15.929		
7,100.0	7,051.1	6,907.7	6,790.4	15.8	18.6	62.05	-161.7	550.9	521.0	490.1	30.90	16.863		
7,200.0	7,132.1	6,976.6	6,849.5	15.9	19.2	67.77	-172.8	584.6	555.4	524.4	30.99	17.921		
7,300.0	7,198.5	7,057.8	6,919.8	15.9	19.8	71.53	-176.9	624.9	594.1	562.9	31.18	19.051		
7,400.0	7,246.8	7,164.8	7,010.8	16.1	20.5	75.27	-159.6	677.7	635.0	603.5	31.59	20.105		
7,500.0	7,274.4	7,341.0	7,144.2	16.5	21.5	81.63	-78.2	756.6	674.0	641.7	32.37	20.823		
7,600.0	7,280.8	7,702.4	7,280.3	17.0	22.7	89.96	233.8	843.5	696.4	662.3	34.07	20.437		
7,700.0	7,280.8	7,821.0	7,280.8	17.7	23.1	90.00	352.3	847.1	696.6	661.1	35.57	19.584		
7,800.0	7,280.8	7,921.0	7,280.8	18.6	23.5	90.00	452.3	849.9	696.8	659.6	37.26	18.704		
7,900.0	7,280.8	8,021.0	7,280.8	19.6	24.1	90.00	552.3	852.6	697.0	657.8	39.24	17.762		
8,000.0	7,280.8	8,121.0	7,280.8	20.8	24.8	90.00	652.2	855.4	697.3	655.8	41.49	16.805		
8,100.0	7,280.8	8,221.0	7,280.8	22.0	25.7	90.00	752.2	858.1	697.5	653.5	43.96	15.866		
8,200.0	7,280.8	8,321.0	7,280.8	23.4	26.7	90.00	852.2	860.9	697.7	651.1	46.61	14.968		
8,300.0	7,280.8	8,421.0	7,280.8	24.8	27.8	90.00	952.1	863.6	697.9	648.5	49.42	14.123		
8,400.0	7,280.8	8,521.0	7,280.8	26.3	29.1	90.00	1,052.1	866.4	698.1	645.7	52.35	13.334		
8,500.0	7,280.8	8,621.0	7,280.8	27.8	30.4	90.00	1,152.0	869.1	698.3	642.9	55.40	12.605		
8,600.0	7,280.8	8,721.0	7,280.8	29.4	31.7	90.00	1,252.0	871.9	698.5	640.0	58.54	11.933		
8,700.0	7,280.8	8,821.0	7,280.8	31.0	33.2	90.00	1,352.0	874.7	698.7	637.0	61.75	11.315		
8,800.0	7,280.8	8,921.0	7,280.8	32.7	34.7	90.00	1,451.9	877.4	698.9	633.9	65.04	10.747		
8,900.0	7,280.8	9,021.0	7,280.8	34.4	36.2	90.00	1,551.9	880.2	699.1	630.7	68.38	10.225		
9,000.0	7,280.8	9,121.0	7,280.8	36.1	37.8	90.00	1,651.9	882.9	699.3	627.6	71.76	9.745		
9,100.0	7,280.8	9,221.0	7,280.8	37.8	39.4	90.00	1,751.8	885.7	699.5	624.3	75.20	9.303		
9,200.0	7,280.8	9,321.0	7,280.8	39.5	41.0	90.00	1,851.8	888.4	699.7	621.1	78.66	8.895		
9,300.0	7,280.8	9,421.0	7,280.8	41.3	42.7	90.00	1,951.7	891.2	699.9	617.8	82.16	8.519		
9,400.0	7,280.8	9,521.0	7,280.8	43.0	44.4	90.00	2,051.7	893.9	700.2	614.5	85.69	8.170		
9,500.0	7,280.8	9,621.0	7,280.8	44.8	46.1	90.00	2,151.7	896.7	700.4	611.1	89.25	7.847		
9,600.0	7,280.8	9,721.0	7,280.8	46.6	47.8	90.00	2,251.6	899.4	700.6	607.7	92.82	7.547		
9,700.0	7,280.8	9,821.0	7,280.8	48.4	49.5	90.00	2,351.6	902.2	700.8	604.4	96.42	7.268		
9,800.0	7,280.8	9,921.0	7,280.8	50.2	51.3	90.00	2,451.5	904.9	701.0	600.9	100.03	7.008		
9,900.0	7,280.8	10,021.0	7,280.8	52.0	53.0	90.00	2,551.5	907.7	701.2	597.5	103.66	6.764		
10,000.0	7,280.8	10,121.0	7,280.8	53.9	54.8	90.00	2,651.5	910.5	701.4	594.1	107.30	6.537		
10,100.0	7,280.8	10,221.0	7,280.8	55.7	56.6	90.00	2,751.4	913.2	701.6	590.6	110.96	6.323		
10,200.0	7,280.8	10,321.0	7,280.8	57.5	58.4	90.00	2,851.4	916.0	701.8	587.2	114.62	6.123		
10,300.0	7,280.8	10,421.0	7,280.8	59.4	60.2	90.00	2,951.4	918.7	702.0	583.7	118.30	5.934		

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 Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Offset Design Lind West Pad Sec.20-T7N-R66W - Lind EE 20-025HN - Wellbore #1 - Plan #1 (10-25-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	7,280.8	10,521.0	7,280.8	61.2	62.0	90.00	3,051.3	921.5	702.2	580.2	121.99	5.756	
10,500.0	7,280.8	10,621.0	7,280.8	63.1	63.8	90.00	3,151.3	924.2	702.4	576.7	125.68	5.589	
10,600.0	7,280.8	10,721.0	7,280.8	64.9	65.6	90.00	3,251.2	927.0	702.6	573.3	129.39	5.431	
10,700.0	7,280.8	10,821.0	7,280.8	66.8	67.4	90.00	3,351.2	929.7	702.8	569.7	133.10	5.281	
10,800.0	7,280.8	10,921.0	7,280.8	68.6	69.2	90.00	3,451.2	932.5	703.1	566.2	136.81	5.139	
10,900.0	7,280.8	11,021.0	7,280.8	70.5	71.1	90.00	3,551.1	935.2	703.3	562.7	140.54	5.004	
11,000.0	7,280.8	11,121.0	7,280.8	72.4	72.9	90.00	3,651.1	938.0	703.5	559.2	144.27	4.876	
11,100.0	7,280.8	11,221.0	7,280.8	74.2	74.8	90.00	3,751.0	940.7	703.7	555.7	148.00	4.755	
11,200.0	7,280.8	11,321.0	7,280.8	76.1	76.6	90.00	3,851.0	943.5	703.9	552.1	151.74	4.639	
11,300.0	7,280.8	11,421.0	7,280.8	78.0	78.4	90.00	3,951.0	946.2	704.1	548.6	155.48	4.528	
11,400.0	7,280.8	11,521.0	7,280.8	79.9	80.3	90.00	4,050.9	949.0	704.3	545.1	159.23	4.423	
11,500.0	7,280.8	11,621.0	7,280.8	81.7	82.1	90.00	4,150.9	951.8	704.5	541.5	162.98	4.323	
11,600.0	7,280.8	11,721.0	7,280.8	83.6	84.0	90.00	4,250.9	954.5	704.7	538.0	166.74	4.226	
11,700.0	7,280.8	11,821.0	7,280.8	85.5	85.9	90.00	4,350.8	957.3	704.9	534.4	170.49	4.135	
11,800.0	7,280.8	11,921.0	7,280.8	87.4	87.7	90.00	4,450.8	960.0	705.1	530.9	174.26	4.046	
11,900.0	7,280.8	12,021.0	7,280.8	89.3	89.6	90.00	4,550.7	962.8	705.3	527.3	178.02	3.962	
11,970.2	7,280.8	12,091.2	7,280.8	90.3	90.9	90.00	4,621.0	964.7	705.5	525.1	180.42	3.910	

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	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	88.62	2.2	90.3	90.3					
100.0	100.0	100.0	100.0	0.1	0.1	88.62	2.2	90.3	90.3	90.1	0.22	401.929		
200.0	200.0	200.0	200.0	0.3	0.3	88.62	2.2	90.3	90.3	89.7	0.67	133.976		
300.0	300.0	300.0	300.0	0.6	0.6	88.62	2.2	90.3	90.3	89.2	1.12	80.386		
400.0	400.0	400.0	400.0	0.8	0.8	88.62	2.2	90.3	90.3	88.8	1.57	57.418		
500.0	500.0	500.0	500.0	1.0	1.0	88.62	2.2	90.3	90.3	88.3	2.02	44.659		
600.0	600.0	600.0	600.0	1.2	1.2	88.62	2.2	90.3	90.3	87.9	2.47	36.539		
700.0	700.0	700.0	700.0	1.5	1.5	88.62	2.2	90.3	90.3	87.4	2.92	30.918		
800.0	800.0	800.0	800.0	1.7	1.7	88.62	2.2	90.3	90.3	87.0	3.37	26.795		
900.0	900.0	900.0	900.0	1.9	1.9	88.62	2.2	90.3	90.3	86.5	3.82	23.643		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.62	2.2	90.3	90.3	86.1	4.27	21.154		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	88.62	2.2	90.3	90.3	85.6	4.72	19.139		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	88.62	2.2	90.3	90.3	85.2	5.17	17.475		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	88.62	2.2	90.3	90.3	84.7	5.62	16.077		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	88.62	2.2	90.3	90.3	84.3	6.07	14.886		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	88.62	2.2	90.3	90.3	83.8	6.52	13.860		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	88.62	2.2	90.3	90.3	83.4	6.97	12.965		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	88.62	2.2	90.3	90.3	82.9	7.42	12.180		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	88.62	2.2	90.3	90.3	82.5	7.87	11.484		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	88.62	2.2	90.3	90.3	82.0	8.32	10.863		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.62	2.2	90.3	90.3	81.6	8.77	10.306		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.62	2.2	90.3	90.3	81.1	9.22	9.803		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.62	2.2	90.3	90.3	80.7	9.66	9.347		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.62	2.2	90.3	90.3	80.2	10.11	8.932		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.62	2.2	90.3	90.3	79.8	10.56	8.552		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.62	2.2	90.3	90.3	79.3	11.01	8.203		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.62	2.2	90.3	90.3	78.9	11.46	7.881		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.62	2.2	90.3	90.3	78.4	11.91	7.584		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.62	2.2	90.3	90.3	78.0	12.36	7.308		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.62	2.2	90.3	90.3	77.5	12.81	7.051		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.62	2.2	90.3	90.3	77.1	13.26	6.812		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.62	2.2	90.3	90.3	76.6	13.71	6.589		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.62	2.2	90.3	90.3	76.2	14.16	6.380		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.62	2.2	90.3	90.3	75.7	14.61	6.184		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.62	2.2	90.3	90.3	75.3	15.06	5.999		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.62	2.2	90.3	90.3	74.8	15.51	5.825		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.62	2.2	90.3	90.3	74.4	15.96	5.661		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.62	2.2	90.3	90.3	73.9	16.41	5.506		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.62	2.2	90.3	90.3	73.5	16.86	5.359		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	88.62	2.2	90.3	90.3	73.0	17.31	5.220		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	88.62	2.2	90.3	90.3	72.6	17.76	5.088		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	88.62	2.2	90.3	90.3	72.1	18.21	4.962		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	88.62	2.2	90.3	90.3	71.7	18.66	4.843		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	88.62	2.2	90.3	90.3	71.2	19.11	4.729		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	88.62	2.2	90.3	90.3	70.8	19.55	4.620		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	88.62	2.2	90.3	90.3	70.3	20.00	4.516 CC, ES, SF		
4,600.0	4,600.0	4,595.5	4,595.4	10.2	10.2	88.88	1.8	92.7	92.8	72.4	20.43	4.543		
4,700.0	4,700.0	4,690.5	4,690.2	10.5	10.4	89.59	0.7	99.7	100.2	79.3	20.84	4.808		
4,800.0	4,800.0	4,784.5	4,783.5	10.7	10.6	90.56	-1.1	111.2	112.4	91.2	21.24	5.293		
4,900.0	4,900.0	4,877.2	4,874.8	10.9	10.8	91.61	-3.6	127.0	129.5	107.9	21.65	5.983		
5,000.0	5,000.0	4,968.2	4,963.5	11.1	11.0	92.60	-6.7	146.7	151.3	129.3	22.05	6.862		
5,100.0	5,100.0	5,057.0	5,049.1	11.4	11.2	93.47	-10.3	170.0	177.7	155.3	22.46	7.915		

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 Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Offset Design Lind West Pad Sec.20-T7N-R66W - Lind EE 20-027HN - Wellbore #1 - Plan #1 (10-25-13)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	5,200.0	5,143.4	5,131.3	11.6	11.5	94.20	-14.4	196.4	208.5	185.7	22.86	9.124	
5,300.0	5,300.0	5,227.1	5,209.7	11.8	11.8	94.81	-19.0	225.4	243.6	220.3	23.25	10.475	
5,400.0	5,400.0	5,308.0	5,284.1	12.0	12.1	95.32	-23.9	256.7	282.6	259.0	23.65	11.951	
5,500.0	5,500.0	5,386.0	5,354.5	12.2	12.5	95.73	-29.1	289.7	325.5	301.4	24.04	13.539	
5,600.0	5,600.0	5,460.9	5,420.8	12.5	12.9	96.07	-34.4	324.1	371.9	347.5	24.43	15.223	
5,700.0	5,700.0	5,535.1	5,485.2	12.7	13.4	96.36	-40.2	360.7	421.7	396.9	24.83	16.985	
5,800.0	5,800.0	5,621.1	5,559.2	12.9	13.9	96.63	-47.0	404.0	472.7	447.4	25.25	18.719	
5,900.0	5,900.0	5,707.1	5,633.2	13.1	14.6	96.85	-53.8	447.3	523.6	497.9	25.68	20.391	
6,000.0	6,000.0	5,793.2	5,707.2	13.4	15.2	97.03	-60.5	490.6	574.6	548.5	26.12	22.000	
6,100.0	6,100.0	5,879.2	5,781.2	13.6	15.9	97.19	-67.3	534.0	625.5	599.0	26.56	23.548	
6,200.0	6,200.0	5,965.6	5,855.5	13.8	16.7	-66.58	-74.1	577.5	675.8	649.0	26.81	25.210	
6,300.0	6,299.2	6,053.3	5,931.0	14.0	17.4	-64.53	-81.1	621.7	722.8	695.6	27.17	26.597	
6,400.0	6,396.7	6,141.6	6,007.0	14.1	18.3	-63.46	-88.0	666.2	766.0	738.5	27.51	27.843	
6,500.0	6,491.3	6,229.5	6,082.6	14.3	19.1	-63.16	-95.0	710.4	805.6	777.8	27.83	28.953	
6,600.0	6,582.1	6,316.0	6,157.0	14.5	19.9	-63.45	-101.8	754.0	842.0	813.9	28.15	29.908	
6,700.0	6,669.7	6,401.3	6,230.4	14.9	20.7	-63.84	-108.5	796.9	876.8	848.0	28.78	30.469	
6,800.0	6,763.8	6,491.7	6,308.1	15.2	21.6	-51.65	-115.7	842.5	913.5	883.9	29.68	30.782	
6,900.0	6,862.1	6,584.6	6,388.1	15.5	22.5	6.68	-123.0	889.3	949.9	919.3	30.56	31.081	
7,000.0	6,959.5	6,675.3	6,466.1	15.7	23.5	48.84	-130.1	934.9	984.0	952.8	31.24	31.503	

Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Reference Site:	Lind West Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4976.8ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lind EE 20-022HN	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 (10-25-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4976.8ft (RKB - 16.5')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Lind EE 20-022HN
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.45°



Company:	Great Western	Local Co-ordinate Reference:	Well Lind EE 20-022HN
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