

# Great Western

Well Name: **Lind EE 20-021HN**

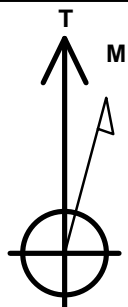
Surface Location: Lind West Pad Sec.20-T7N-R66W  
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4960.3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1445230.72	3191426.32	40.553517	-104.811111	
RKB - 16.5' WELL @ 4976.8ft (RKB - 16.5')						

## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 215'FSL & 300'FWL	1.0	0.0	0.0	Point
BHL 470'FNL & 1'FWL	7280.8	4634.9	-172.3	Point
Entry Pt. 460'FSL & 1'FWL	7280.8	240.8	-292.6	Point



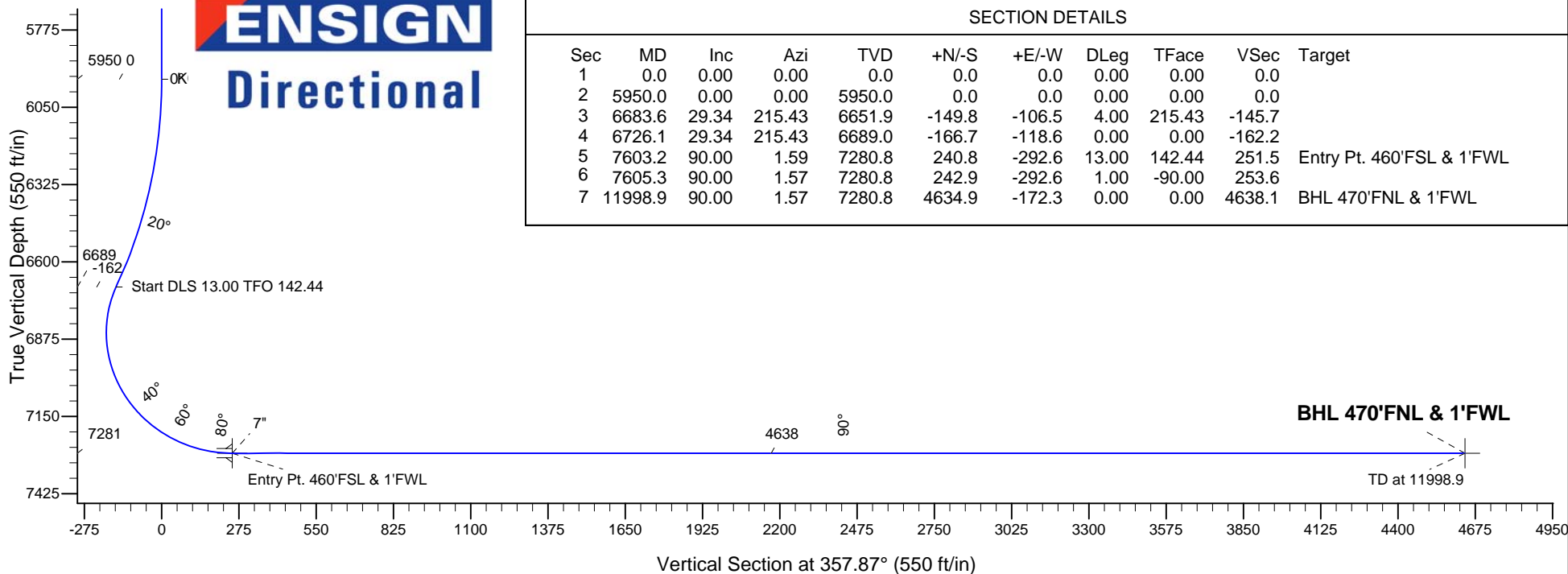
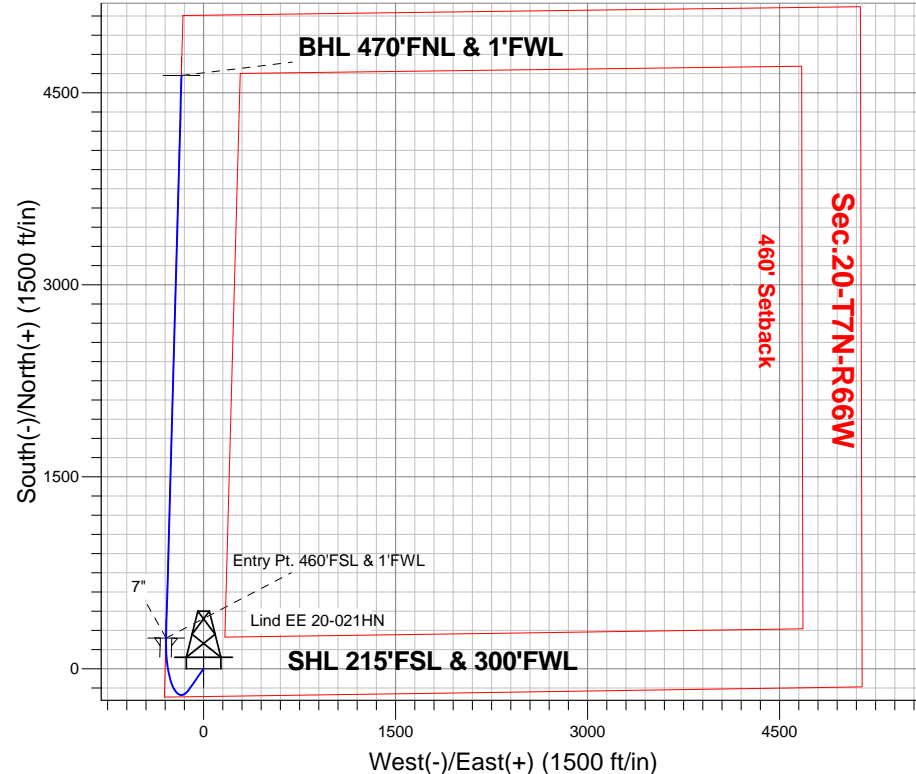
Azimuths to True North  
Magnetic North: 8.58°

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

Lind West Pad Sec.20-T7N-R66W  
Lind EE 20-021HN  
Plan #1 (10-25-13)  
13:08, October 28 2013

## ANNOTATIONS

TVD	MD	Annotation
5950.0	5950.0	KOP - Start Build 4.00
6689.0	6726.1	Start DLS 13.00 TFO 142.44
7280.8	11998.9	TD at 11998.9



## 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	5950.0	0.00	0.00	5950.0	0.0	0.0	0.00	0.00	0.0	
3	6683.6	29.34	215.43	6651.9	-149.8	-106.5	4.00	215.43	-145.7	
4	6726.1	29.34	215.43	6689.0	-166.7	-118.6	0.00	0.00	-162.2	
5	7603.2	90.00	1.59	7280.8	240.8	-292.6	13.00	142.44	251.5	Entry Pt. 460'FSL & 1'FWL
6	7605.3	90.00	1.57	7280.8	242.9	-292.6	1.00	-90.00	253.6	
7	11998.9	90.00	1.57	7280.8	4634.9	-172.3	0.00	0.00	4638.1	BHL 470'FNL & 1'FWL



## **Great Western**

**SEC.20-T7N-R66W**

**Lind West Pad Sec.20-T7N-R66W**

**Lind EE 20-021HN**

**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		
5,950.0	0.00	0.00	5,950.0	0.0	0.0	0.00	0.00	0.00	0.00		
6,683.6	29.34	215.43	6,651.9	-149.8	-106.5	4.00	4.00	0.00	215.43		
6,726.1	29.34	215.43	6,689.0	-166.7	-118.6	0.00	0.00	0.00	0.00		
7,603.2	90.00	1.59	7,280.8	240.8	-292.6	13.00	6.92	16.66	142.44	Entry Pt. 460'FSL &	
7,605.3	90.00	1.57	7,280.8	242.9	-292.6	1.00	0.00	-1.00	-90.00		
11,998.9	90.00	1.57	7,280.8	4,634.9	-172.3	0.00	0.00	0.00	0.00	BHL 470'FNL & 1'F	

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Project:</b>	SEC.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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 & 300'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

<b>Database:</b>	Landmark	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Company:</b>	Great Western	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Project:</b>	SEC.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>North Reference:</b>	True
<b>Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
5,950.0	0.00	0.00	5,950.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>KOP - Start Build 4.00</b>									
6,000.0	2.00	215.43	6,000.0	-0.7	-0.5	-0.7	4.00	4.00	0.00
6,100.0	6.00	215.43	6,099.7	-6.4	-4.5	-6.2	4.00	4.00	0.00
6,200.0	10.00	215.43	6,198.7	-17.7	-12.6	-17.3	4.00	4.00	0.00
6,300.0	14.00	215.43	6,296.5	-34.7	-24.7	-33.7	4.00	4.00	0.00
6,400.0	18.00	215.43	6,392.6	-57.1	-40.6	-55.6	4.00	4.00	0.00
6,500.0	22.00	215.43	6,486.6	-85.0	-60.5	-82.7	4.00	4.00	0.00
6,600.0	26.00	215.43	6,577.9	-118.1	-84.0	-114.9	4.00	4.00	0.00
6,683.6	29.34	215.43	6,651.9	-149.8	-106.5	-145.7	4.00	4.00	0.00
6,700.0	29.34	215.43	6,666.2	-156.3	-111.2	-152.1	0.00	0.00	0.00
6,726.1	29.34	215.43	6,689.0	-166.7	-118.6	-162.2	0.00	0.00	0.00
<b>Start DLS 13.00 TFO 142.44</b>									
6,800.0	22.44	230.89	6,755.5	-190.4	-140.1	-185.1	13.00	-9.35	20.93
6,900.0	17.44	266.88	6,849.8	-203.3	-170.0	-196.9	13.00	-5.00	35.99
7,000.0	20.79	306.06	6,944.7	-193.7	-199.4	-186.1	13.00	3.35	39.18
7,100.0	29.80	328.45	7,035.2	-161.9	-226.9	-153.4	13.00	9.01	22.39
7,200.0	40.87	340.38	7,116.8	-109.7	-251.0	-100.3	13.00	11.07	11.93
7,300.0	52.71	347.80	7,185.2	-39.7	-270.5	-29.6	13.00	11.84	7.42
7,400.0	64.88	353.15	7,236.9	44.5	-284.3	55.0	13.00	12.17	5.35
7,500.0	77.21	357.52	7,269.3	138.6	-291.9	149.3	13.00	12.33	4.36
7,600.0	89.61	1.47	7,280.8	237.7	-292.7	248.4	13.00	12.40	3.95
7,603.2	89.99	1.59	7,280.8	240.8	-292.6	251.5	12.82	12.24	3.83
<b>7" - Entry Pt. 460'FSL &amp; 1'FWL</b>									
7,605.3	90.00	1.57	7,280.8	242.9	-292.6	253.6	0.95	0.25	-0.92
7,700.0	90.00	1.57	7,280.8	337.6	-290.0	348.2	0.00	0.00	0.00
7,800.0	90.00	1.57	7,280.8	437.6	-287.2	448.0	0.00	0.00	0.00
7,900.0	90.00	1.57	7,280.8	537.6	-284.5	547.8	0.00	0.00	0.00
8,000.0	90.00	1.57	7,280.8	637.5	-281.7	647.6	0.00	0.00	0.00
8,100.0	90.00	1.57	7,280.8	737.5	-279.0	747.3	0.00	0.00	0.00
8,200.0	90.00	1.57	7,280.8	837.5	-276.3	847.1	0.00	0.00	0.00
8,300.0	90.00	1.57	7,280.8	937.4	-273.5	946.9	0.00	0.00	0.00
8,400.0	90.00	1.57	7,280.8	1,037.4	-270.8	1,046.7	0.00	0.00	0.00
8,500.0	90.00	1.57	7,280.8	1,137.3	-268.1	1,146.5	0.00	0.00	0.00
8,600.0	90.00	1.57	7,280.8	1,237.3	-265.3	1,246.3	0.00	0.00	0.00
8,700.0	90.00	1.57	7,280.8	1,337.3	-262.6	1,346.1	0.00	0.00	0.00
8,800.0	90.00	1.57	7,280.8	1,437.2	-259.8	1,445.9	0.00	0.00	0.00
8,900.0	90.00	1.57	7,280.8	1,537.2	-257.1	1,545.7	0.00	0.00	0.00
9,000.0	90.00	1.57	7,280.8	1,637.2	-254.4	1,645.5	0.00	0.00	0.00
9,100.0	90.00	1.57	7,280.8	1,737.1	-251.6	1,745.3	0.00	0.00	0.00
9,200.0	90.00	1.57	7,280.8	1,837.1	-248.9	1,845.1	0.00	0.00	0.00
9,300.0	90.00	1.57	7,280.8	1,937.0	-246.2	1,944.8	0.00	0.00	0.00
9,400.0	90.00	1.57	7,280.8	2,037.0	-243.4	2,044.6	0.00	0.00	0.00
9,500.0	90.00	1.57	7,280.8	2,137.0	-240.7	2,144.4	0.00	0.00	0.00
9,600.0	90.00	1.57	7,280.8	2,236.9	-237.9	2,244.2	0.00	0.00	0.00

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
5,950.0	5,950.0	0.0	0.0	KOP - Start Build 4.00	
6,726.1	6,689.0	-166.7	-118.6	Start DLS 13.00 TFO 142.44	
11,998.9	7,280.8	4,634.9	-172.3	TD at 11998.9	



## **Great Western**

**SEC.20-T7N-R66W**

**Lind West Pad Sec.20-T7N-R66W**

**Lind EE 20-021HN**

**Wellbore #1**

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

## **Anticollision Report**

**28 October, 2013**



<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.24	1.8	59.5	59.5	50.7	8.77	6.787		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.24	1.8	59.5	59.5	50.3	9.22	6.456		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.24	1.8	59.5	59.5	49.8	9.66	6.156		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.24	1.8	59.5	59.5	49.4	10.11	5.882		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.24	1.8	59.5	59.5	48.9	10.56	5.632		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.24	1.8	59.5	59.5	48.5	11.01	5.402		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.24	1.8	59.5	59.5	48.0	11.46	5.190		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.24	1.8	59.5	59.5	47.6	11.91	4.994		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.24	1.8	59.5	59.5	47.1	12.36	4.813		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.24	1.8	59.5	59.5	46.7	12.81	4.644		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.24	1.8	59.5	59.5	46.2	13.26	4.486		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.24	1.8	59.5	59.5	45.8	13.71	4.339		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.24	1.8	59.5	59.5	45.3	14.16	4.202		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.24	1.8	59.5	59.5	44.9	14.61	4.072		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.24	1.8	59.5	59.5	44.4	15.06	3.951		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.24	1.8	59.5	59.5	44.0	15.51	3.836		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.24	1.8	59.5	59.5	43.5	15.96	3.728		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.24	1.8	59.5	59.5	43.1	16.41	3.626		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.24	1.8	59.5	59.5	42.6	16.86	3.529		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	88.24	1.8	59.5	59.5	42.2	17.31	3.438		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	88.24	1.8	59.5	59.5	41.7	17.76	3.351		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	88.24	1.8	59.5	59.5	41.3	18.21	3.268		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	88.24	1.8	59.5	59.5	40.8	18.66	3.189		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	88.24	1.8	59.5	59.5	40.4	19.11	3.114		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	88.24	1.8	59.5	59.5	39.9	19.55	3.043		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	88.24	1.8	59.5	59.5	39.5	20.00	2.974		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	88.24	1.8	59.5	59.5	39.0	20.45	2.909		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	88.24	1.8	59.5	59.5	38.6	20.90	2.846		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	88.24	1.8	59.5	59.5	38.1	21.35	2.786		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	88.24	1.8	59.5	59.5	37.7	21.80	2.729		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	88.24	1.8	59.5	59.5	37.2	22.25	2.674		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	88.24	1.8	59.5	59.5	36.8	22.70	2.621		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	88.24	1.8	59.5	59.5	36.3	23.15	2.570		
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	88.24	1.8	59.5	59.5	35.9	23.60	2.521		
5,400.0	5,400.0	5,400.0	5,400.0	12.0	12.0	88.24	1.8	59.5	59.5	35.4	24.05	2.474		
5,500.0	5,500.0	5,500.0	5,500.0	12.2	12.2	88.24	1.8	59.5	59.5	35.0	24.50	2.428		
5,600.0	5,600.0	5,600.0	5,600.0	12.5	12.5	88.24	1.8	59.5	59.5	34.5	24.95	2.385		
5,700.0	5,700.0	5,700.0	5,700.0	12.7	12.7	88.24	1.8	59.5	59.5	34.1	25.40	2.343		
5,800.0	5,800.0	5,800.0	5,800.0	12.9	12.9	88.24	1.8	59.5	59.5	33.6	25.85	2.302		
5,900.0	5,900.0	5,900.0	5,900.0	13.1	13.1	88.24	1.8	59.5	59.5	33.2	26.30	2.262 CC		
5,928.3	5,928.3	5,928.3	5,928.3	13.2	13.2	-127.29	1.8	59.5	59.6	33.2	26.42	2.255 ES		
6,000.0	6,000.0	6,000.0	6,000.0	13.4	13.4	-127.84	1.8	59.5	60.0	33.3	26.73	2.246 SF		
6,100.0	6,099.7	6,098.7	6,098.6	13.5	13.6	-130.37	-0.5	60.5	65.3	38.3	27.05	2.415		
6,200.0	6,198.7	6,196.9	6,196.5	13.7	13.7	-132.47	-7.4	63.6	76.9	49.6	27.28	2.820		
6,300.0	6,296.5	6,294.1	6,292.9	13.9	13.9	-133.82	-18.8	68.6	94.7	67.2	27.46	3.449		
6,400.0	6,392.6	6,389.9	6,387.2	14.1	14.1	-134.45	-34.4	75.6	118.5	90.9	27.60	4.294		
6,500.0	6,486.6	6,483.9	6,478.7	14.3	14.3	-134.55	-53.9	84.2	148.2	120.5	27.73	5.344		
6,600.0	6,577.9	6,576.0	6,567.3	14.6	14.5	-134.28	-76.9	94.4	183.5	155.6	27.86	6.586		
6,700.0	6,666.2	6,667.5	6,654.8	15.0	14.7	-134.68	-101.3	105.2	223.6	195.6	28.03	7.978		
6,800.0	6,755.5	6,758.5	6,741.9	15.4	14.9	-152.80	-125.5	116.0	264.6	236.0	28.56	9.264		
6,900.0	6,849.8	6,848.7	6,828.2	15.7	15.1	172.32	-149.5	126.7	302.3	272.9	29.35	10.300		
7,000.0	6,944.7	6,933.4	6,909.2	16.0	15.4	136.83	-172.0	136.7	338.7	308.6	30.01	11.283		

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWID													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		
7,100.0	7,035.2	7,010.8	6,984.3	16.2	15.6	118.23	-188.0	146.1	377.3	346.8	30.49	12.374		
7,200.0	7,116.8	7,095.5	7,068.1	16.4	15.8	109.86	-190.1	157.0	418.7	387.9	30.84	13.576		
7,300.0	7,185.2	7,194.3	7,164.2	16.5	16.0	106.36	-172.3	170.1	460.6	429.5	31.08	14.818		
7,400.0	7,236.9	7,317.6	7,274.5	16.7	16.2	105.90	-120.5	186.1	499.9	468.7	31.24	16.004		
7,500.0	7,269.3	7,481.5	7,391.2	17.0	16.3	107.69	-8.3	204.5	531.8	500.4	31.41	16.932		
7,600.0	7,280.8	7,697.0	7,469.0	17.5	16.9	110.14	189.8	220.2	548.4	516.3	32.18	17.044		
7,700.0	7,280.8	7,830.9	7,472.8	18.1	17.7	110.46	323.5	224.4	549.2	515.8	33.45	16.417		
7,800.0	7,280.8	7,930.9	7,472.8	18.9	18.5	110.46	423.4	227.2	549.2	514.2	34.99	15.695		
7,900.0	7,280.8	8,030.9	7,472.8	19.8	19.5	110.46	523.4	229.9	549.2	512.4	36.83	14.914		
8,000.0	7,280.8	8,130.9	7,472.8	20.9	20.6	110.46	623.3	232.7	549.3	510.3	38.91	14.114		
8,100.0	7,280.8	8,230.9	7,472.8	22.1	21.8	110.46	723.3	235.4	549.3	508.1	41.21	13.327		
8,200.0	7,280.8	8,330.9	7,472.8	23.4	23.1	110.46	823.3	238.2	549.3	505.6	43.69	12.571		
8,300.0	7,280.8	8,430.9	7,472.8	24.8	24.4	110.46	923.2	240.9	549.3	503.0	46.33	11.857		
8,400.0	7,280.8	8,530.9	7,472.8	26.2	25.9	110.46	1,023.2	243.7	549.3	500.2	49.08	11.192		
8,500.0	7,280.8	8,630.9	7,472.8	27.7	27.4	110.46	1,123.2	246.4	549.3	497.4	51.95	10.575		
8,600.0	7,280.8	8,730.9	7,472.8	29.2	28.9	110.46	1,223.1	249.2	549.4	494.5	54.90	10.006		
8,700.0	7,280.8	8,830.9	7,472.8	30.8	30.5	110.46	1,323.1	252.0	549.4	491.4	57.93	9.483		
8,800.0	7,280.8	8,930.9	7,472.8	32.4	32.2	110.46	1,423.0	254.7	549.4	488.4	61.03	9.002		
8,900.0	7,280.8	9,030.9	7,472.8	34.1	33.8	110.45	1,523.0	257.5	549.4	485.2	64.18	8.560		
9,000.0	7,280.8	9,130.9	7,472.8	35.8	35.5	110.45	1,623.0	260.2	549.4	482.0	67.38	8.154		
9,100.0	7,280.8	9,230.9	7,472.8	37.5	37.2	110.45	1,722.9	263.0	549.4	478.8	70.62	7.780		
9,200.0	7,280.8	9,330.9	7,472.8	39.2	38.9	110.45	1,822.9	265.7	549.5	475.6	73.90	7.435		
9,300.0	7,280.8	9,430.9	7,472.8	40.9	40.7	110.45	1,922.9	268.5	549.5	472.3	77.20	7.117		
9,400.0	7,280.8	9,530.9	7,472.8	42.7	42.4	110.45	2,022.8	271.2	549.5	468.9	80.54	6.823		
9,500.0	7,280.8	9,630.9	7,472.8	44.5	44.2	110.45	2,122.8	274.0	549.5	465.6	83.90	6.550		
9,600.0	7,280.8	9,730.9	7,472.8	46.2	46.0	110.45	2,222.7	276.8	549.5	462.2	87.28	6.296		
9,700.0	7,280.8	9,830.9	7,472.8	48.0	47.8	110.45	2,322.7	279.5	549.5	458.9	90.68	6.060		
9,800.0	7,280.8	9,930.9	7,472.8	49.8	49.6	110.45	2,422.7	282.3	549.6	455.5	94.09	5.841		
9,900.0	7,280.8	10,030.9	7,472.8	51.6	51.4	110.45	2,522.6	285.0	549.6	452.0	97.52	5.635		
10,000.0	7,280.8	10,130.9	7,472.8	53.4	53.2	110.45	2,622.6	287.8	549.6	448.6	100.97	5.443		
10,100.0	7,280.8	10,230.9	7,472.8	55.3	55.0	110.45	2,722.6	290.5	549.6	445.2	104.42	5.263		
10,200.0	7,280.8	10,330.9	7,472.8	57.1	56.9	110.45	2,822.5	293.3	549.6	441.7	107.89	5.094		
10,300.0	7,280.8	10,430.9	7,472.8	58.9	58.7	110.45	2,922.5	296.0	549.6	438.3	111.37	4.935		
10,400.0	7,280.8	10,530.9	7,472.8	60.8	60.6	110.45	3,022.4	298.8	549.7	434.8	114.86	4.786		
10,500.0	7,280.8	10,630.9	7,472.8	62.6	62.4	110.44	3,122.4	301.6	549.7	431.3	118.35	4.644		
10,600.0	7,280.8	10,730.9	7,472.8	64.4	64.2	110.44	3,222.4	304.3	549.7	427.8	121.85	4.511		
10,700.0	7,280.8	10,830.9	7,472.8	66.3	66.1	110.44	3,322.3	307.1	549.7	424.3	125.36	4.385		
10,800.0	7,280.8	10,930.9	7,472.8	68.2	68.0	110.44	3,422.3	309.8	549.7	420.8	128.88	4.265		
10,900.0	7,280.8	11,030.9	7,472.8	70.0	69.8	110.44	3,522.2	312.6	549.7	417.3	132.40	4.152		
11,000.0	7,280.8	11,130.9	7,472.8	71.9	71.7	110.44	3,622.2	315.3	549.8	413.8	135.93	4.044		
11,100.0	7,280.8	11,230.9	7,472.8	73.7	73.5	110.44	3,722.2	318.1	549.8	410.3	139.46	3.942		
11,200.0	7,280.8	11,330.9	7,472.8	75.6	75.4	110.44	3,822.1	320.8	549.8	406.8	143.00	3.845		
11,300.0	7,280.8	11,430.9	7,472.8	77.5	77.3	110.44	3,922.1	323.6	549.8	403.3	146.54	3.752		
11,400.0	7,280.8	11,530.9	7,472.8	79.3	79.2	110.44	4,022.1	326.4	549.8	399.7	150.09	3.663		
11,500.0	7,280.8	11,630.9	7,472.8	81.2	81.0	110.44	4,122.0	329.1	549.8	396.2	153.64	3.579		
11,600.0	7,280.8	11,730.9	7,472.8	83.1	82.9	110.44	4,222.0	331.9	549.8	392.7	157.19	3.498		
11,700.0	7,280.8	11,830.9	7,472.8	85.0	84.8	110.44	4,321.9	334.6	549.9	389.1	160.75	3.421		
11,800.0	7,280.8	11,930.9	7,472.8	86.8	86.7	110.44	4,421.9	337.4	549.9	385.6	164.31	3.347		
11,900.0	7,280.8	12,030.9	7,472.8	88.7	88.5	110.44	4,521.9	340.1	549.9	382.0	167.87	3.276		
11,998.9	7,280.8	12,129.8	7,472.8	90.6	90.4	110.44	4,620.7	342.9	549.9	378.5	171.39	3.209		

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	88.55	0.7	29.2	29.2					
100.0	100.0	100.0	100.0	0.1	0.1	88.55	0.7	29.2	29.2	29.0	0.22	129.858		
200.0	200.0	200.0	200.0	0.3	0.3	88.55	0.7	29.2	29.2	28.5	0.67	43.286		
300.0	300.0	300.0	300.0	0.6	0.6	88.55	0.7	29.2	29.2	28.1	1.12	25.972		
400.0	400.0	400.0	400.0	0.8	0.8	88.55	0.7	29.2	29.2	27.6	1.57	18.551		
500.0	500.0	500.0	500.0	1.0	1.0	88.55	0.7	29.2	29.2	27.2	2.02	14.429		
600.0	600.0	600.0	600.0	1.2	1.2	88.55	0.7	29.2	29.2	26.7	2.47	11.805		
700.0	700.0	700.0	700.0	1.5	1.5	88.55	0.7	29.2	29.2	26.3	2.92	9.989		
800.0	800.0	800.0	800.0	1.7	1.7	88.55	0.7	29.2	29.2	25.8	3.37	8.657		
900.0	900.0	900.0	900.0	1.9	1.9	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	0.7	29.2	29.2	19.5	9.66	3.020		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	0.7	29.2	29.2	6.5	22.70	1.286 Level 3		

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Lind West Pad Sec.20-T7N-R66W - Lind EE 20-022HN - 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				
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	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	88.55	0.7	29.2	29.2	2.9	26.30	1.110 Level 2, CC				
5,928.8	5,928.8	5,928.8	5,928.8	13.2	13.2	-127.10	0.7	29.2	29.3	2.9	26.42	1.108 Level 2, ES, SF				
6,000.0	6,000.0	6,000.0	6,000.0	13.4	13.4	-128.20	0.7	29.2	29.7	3.0	26.73	1.112 Level 2				
6,100.0	6,099.7	6,099.7	6,099.7	13.5	13.6	-137.21	0.7	29.2	34.5	7.4	27.06	1.274 Level 3				
6,200.0	6,198.7	6,199.1	6,199.1	13.7	13.8	-146.39	-1.2	29.7	45.4	18.1	27.26	1.666				
6,300.0	6,296.5	6,298.6	6,297.8	13.9	14.0	-146.00	-12.5	32.5	61.4	34.0	27.38	2.242				
6,400.0	6,392.6	6,396.9	6,393.7	14.1	14.1	-141.05	-33.3	37.8	82.0	54.5	27.53	2.980				
6,500.0	6,486.6	6,493.0	6,484.8	14.3	14.3	-134.83	-62.8	45.4	108.1	80.4	27.77	3.894				
6,600.0	6,577.9	6,586.0	6,569.6	14.6	14.5	-128.75	-99.7	54.7	140.2	112.1	28.15	4.981				
6,700.0	6,666.2	6,675.9	6,648.2	15.0	14.8	-123.75	-141.9	65.6	178.3	149.5	28.71	6.209				
6,800.0	6,755.5	6,762.4	6,727.6	15.4	15.1	-141.31	-173.7	77.3	219.8	190.7	29.13	7.545				
6,900.0	6,849.8	6,847.7	6,810.4	15.7	15.3	180.00	-189.2	90.0	263.3	233.7	29.60	8.896				
7,000.0	6,944.7	6,933.5	6,895.1	16.0	15.5	138.73	-188.1	103.4	307.0	276.8	30.15	10.181				
7,100.0	7,035.2	7,021.7	6,980.1	16.2	15.7	114.98	-169.8	117.4	348.8	318.1	30.67	11.372				
7,200.0	7,116.8	7,114.1	7,063.2	16.4	15.8	102.55	-132.7	131.7	387.0	356.0	31.09	12.451				
7,300.0	7,185.2	7,212.3	7,141.2	16.5	15.9	95.60	-74.9	145.6	419.9	388.5	31.41	13.368				
7,400.0	7,236.9	7,317.6	7,208.4	16.7	16.0	91.76	4.8	158.5	445.5	413.7	31.77	14.021				
7,500.0	7,269.3	7,430.0	7,257.3	17.0	16.2	90.01	105.0	169.0	462.3	429.9	32.37	14.279				
7,600.0	7,280.8	7,547.8	7,279.9	17.5	16.7	89.90	220.1	175.8	468.9	435.5	33.36	14.055				
7,700.0	7,280.8	7,653.4	7,280.8	18.1	17.4	90.00	325.7	178.7	468.8	434.2	34.60	13.549				
7,800.0	7,280.8	7,753.4	7,280.8	18.9	18.2	90.00	425.7	181.3	468.7	432.4	36.23	12.937				
7,900.0	7,280.8	7,853.4	7,280.8	19.8	19.1	90.00	525.6	183.8	468.5	430.3	38.17	12.274				
8,000.0	7,280.8	7,953.4	7,280.8	20.9	20.2	90.00	625.6	186.4	468.3	427.9	40.38	11.597				
8,100.0	7,280.8	8,053.4	7,280.8	22.1	21.4	90.00	725.6	188.9	468.1	425.3	42.82	10.932				
8,200.0	7,280.8	8,153.4	7,280.8	23.4	22.8	90.00	825.5	191.5	467.9	422.4	45.45	10.294				
8,300.0	7,280.8	8,253.4	7,280.8	24.8	24.1	90.00	925.5	194.0	467.7	419.5	48.25	9.694				
8,400.0	7,280.8	8,353.4	7,280.8	26.2	25.6	90.00	1,025.5	196.6	467.5	416.3	51.17	9.136				
8,500.0	7,280.8	8,453.4	7,280.8	27.7	27.1	90.00	1,125.4	199.1	467.3	413.1	54.21	8.620				
8,600.0	7,280.8	8,553.4	7,280.8	29.2	28.7	90.00	1,225.4	201.7	467.1	409.8	57.35	8.145				
8,700.0	7,280.8	8,653.4	7,280.8	30.8	30.3	90.00	1,325.4	204.2	466.9	406.4	60.57	7.710				
8,800.0	7,280.8	8,753.4	7,280.8	32.4	31.9	90.00	1,425.3	206.8	466.7	402.9	63.85	7.310				
8,900.0	7,280.8	8,853.4	7,280.8	34.1	33.6	90.00	1,525.3	209.3	466.6	399.4	67.19	6.944				
9,000.0	7,280.8	8,953.4	7,280.8	35.8	35.3	90.00	1,625.3	211.8	466.4	395.8	70.58	6.607				
9,100.0	7,280.8	9,053.4	7,280.8	37.5	37.0	90.00	1,725.2	214.4	466.2	392.2	74.02	6.298				
9,200.0	7,280.8	9,153.4	7,280.8	39.2	38.7	90.00	1,825.2	216.9	466.0	388.5	77.49	6.013				
9,300.0	7,280.8	9,253.4	7,280.8	40.9	40.5	90.00	1,925.2	219.5	465.8	384.8	80.99	5.751				
9,400.0	7,280.8	9,353.4	7,280.8	42.7	42.2	90.00	2,025.1	222.0	465.6	381.1	84.53	5.508				
9,500.0	7,280.8	9,453.4	7,280.8	44.5	44.0	90.00	2,125.1	224.6	465.4	377.3	88.08	5.284				
9,600.0	7,280.8	9,553.4	7,280.8	46.2	45.8	90.00	2,225.1	227.1	465.2	373.6	91.66	5.075				
9,700.0	7,280.8	9,653.4	7,280.8	48.0	47.6	90.00	2,325.0	229.7	465.0	369.8	95.26	4.882				
9,800.0	7,280.8	9,753.4	7,280.8	49.8	49.4	90.00	2,425.0	232.2	464.8	366.0	98.88	4.701				
9,900.0	7,280.8	9,853.4	7,280.8	51.6	51.2	90.00	2,525.0	234.8	464.6	362.1	102.51	4.533				
10,000.0	7,280.8	9,953.4	7,280.8	53.4	53.0	90.00	2,625.0	237.3	464.5	358.3	106.16	4.375				
10,100.0	7,280.8	10,053.4	7,280.8	55.3	54.8	90.00	2,724.9	239.9	464.3	354.4	109.81	4.228				
10,200.0	7,280.8	10,153.4	7,280.8	57.1	56.7	90.00	2,824.9	242.4	464.1	350.6	113.48	4.089				

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 20-022HN - 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	10,253.4	7,280.8	58.9	58.5	90.00	2,924.9	245.0	463.9	346.7	117.17	3.959	
10,400.0	7,280.8	10,353.4	7,280.8	60.8	60.4	90.00	3,024.8	247.5	463.7	342.8	120.85	3.837	
10,500.0	7,280.8	10,453.4	7,280.8	62.6	62.2	90.00	3,124.8	250.0	463.5	338.9	124.55	3.721	
10,600.0	7,280.8	10,553.4	7,280.8	64.4	64.1	90.00	3,224.8	252.6	463.3	335.0	128.26	3.612	
10,700.0	7,280.8	10,653.4	7,280.8	66.3	65.9	90.00	3,324.7	255.1	463.1	331.1	131.97	3.509	
10,800.0	7,280.8	10,753.4	7,280.8	68.2	67.8	90.00	3,424.7	257.7	462.9	327.2	135.69	3.412	
10,900.0	7,280.8	10,853.4	7,280.8	70.0	69.6	90.00	3,524.7	260.2	462.7	323.3	139.42	3.319	
11,000.0	7,280.8	10,953.4	7,280.8	71.9	71.5	90.00	3,624.6	262.8	462.5	319.4	143.15	3.231	
11,100.0	7,280.8	11,053.4	7,280.8	73.7	73.4	90.00	3,724.6	265.3	462.3	315.5	146.88	3.148	
11,200.0	7,280.8	11,153.4	7,280.8	75.6	75.2	90.00	3,824.6	267.9	462.2	311.5	150.63	3.068	
11,300.0	7,280.8	11,253.4	7,280.8	77.5	77.1	90.00	3,924.5	270.4	462.0	307.6	154.37	2.993	
11,400.0	7,280.8	11,353.4	7,280.8	79.3	79.0	90.00	4,024.5	273.0	461.8	303.7	158.12	2.920	
11,500.0	7,280.8	11,453.4	7,280.8	81.2	80.9	90.00	4,124.5	275.5	461.6	299.7	161.87	2.851	
11,600.0	7,280.8	11,553.4	7,280.8	83.1	82.7	90.00	4,224.4	278.1	461.4	295.8	165.63	2.786	
11,700.0	7,280.8	11,653.4	7,280.8	85.0	84.6	90.00	4,324.4	280.6	461.2	291.8	169.39	2.723	
11,800.0	7,280.8	11,753.4	7,280.8	86.8	86.5	90.00	4,424.4	283.2	461.0	287.9	173.15	2.662	
11,900.0	7,280.8	11,853.4	7,280.8	88.7	88.4	90.00	4,524.3	285.7	460.8	283.9	176.92	2.605	
11,998.9	7,280.8	11,952.3	7,280.8	90.6	90.1	90.00	4,623.2	288.2	460.6	280.2	180.46	2.552	

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	88.83	1.8	89.5	89.5					
100.0	100.0	100.0	100.0	0.1	0.1	88.83	1.8	89.5	89.5	89.3	0.22	398.186		
200.0	200.0	200.0	200.0	0.3	0.3	88.83	1.8	89.5	89.5	88.8	0.67	132.729		
300.0	300.0	300.0	300.0	0.6	0.6	88.83	1.8	89.5	89.5	88.4	1.12	79.637		
400.0	400.0	400.0	400.0	0.8	0.8	88.83	1.8	89.5	89.5	87.9	1.57	56.884		
500.0	500.0	500.0	500.0	1.0	1.0	88.83	1.8	89.5	89.5	87.5	2.02	44.243		
600.0	600.0	600.0	600.0	1.2	1.2	88.83	1.8	89.5	89.5	87.0	2.47	36.199		
700.0	700.0	700.0	700.0	1.5	1.5	88.83	1.8	89.5	89.5	86.6	2.92	30.630		
800.0	800.0	800.0	800.0	1.7	1.7	88.83	1.8	89.5	89.5	86.1	3.37	26.546		
900.0	900.0	900.0	900.0	1.9	1.9	88.83	1.8	89.5	89.5	85.7	3.82	23.423		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.83	1.8	89.5	89.5	85.2	4.27	20.957		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	88.83	1.8	89.5	89.5	84.8	4.72	18.961		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	88.83	1.8	89.5	89.5	84.3	5.17	17.312		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	88.83	1.8	89.5	89.5	83.9	5.62	15.927		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	88.83	1.8	89.5	89.5	83.4	6.07	14.748		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	88.83	1.8	89.5	89.5	83.0	6.52	13.731		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	88.83	1.8	89.5	89.5	82.5	6.97	12.845		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	88.83	1.8	89.5	89.5	82.1	7.42	12.066		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	88.83	1.8	89.5	89.5	81.6	7.87	11.377		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	88.83	1.8	89.5	89.5	81.2	8.32	10.762		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.83	1.8	89.5	89.5	80.7	8.77	10.210		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.83	1.8	89.5	89.5	80.3	9.22	9.712		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.83	1.8	89.5	89.5	79.8	9.66	9.260		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.83	1.8	89.5	89.5	79.4	10.11	8.849		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.83	1.8	89.5	89.5	78.9	10.56	8.472		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.83	1.8	89.5	89.5	78.5	11.01	8.126		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.83	1.8	89.5	89.5	78.0	11.46	7.808		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.83	1.8	89.5	89.5	77.6	11.91	7.513		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.83	1.8	89.5	89.5	77.1	12.36	7.240		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.83	1.8	89.5	89.5	76.7	12.81	6.986		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.83	1.8	89.5	89.5	76.2	13.26	6.749		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.83	1.8	89.5	89.5	75.8	13.71	6.528		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.83	1.8	89.5	89.5	75.3	14.16	6.320		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.83	1.8	89.5	89.5	74.9	14.61	6.126		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.83	1.8	89.5	89.5	74.4	15.06	5.943		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.83	1.8	89.5	89.5	74.0	15.51	5.771		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.83	1.8	89.5	89.5	73.5	15.96	5.608		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.83	1.8	89.5	89.5	73.1	16.41	5.455		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.83	1.8	89.5	89.5	72.6	16.86	5.309		
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	88.83	1.8	89.5	89.5	72.2	17.31	5.171		
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	88.83	1.8	89.5	89.5	71.7	17.76	5.040		
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	88.83	1.8	89.5	89.5	71.3	18.21	4.916		
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	88.83	1.8	89.5	89.5	70.8	18.66	4.797		
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	88.83	1.8	89.5	89.5	70.4	19.11	4.685		
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	88.83	1.8	89.5	89.5	69.9	19.55	4.577		
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	88.83	1.8	89.5	89.5	69.5	20.00	4.474		
4,600.0	4,600.0	4,600.0	4,600.0	10.2	10.2	88.83	1.8	89.5	89.5	69.0	20.45	4.376		
4,700.0	4,700.0	4,700.0	4,700.0	10.5	10.5	88.83	1.8	89.5	89.5	68.6	20.90	4.282		
4,800.0	4,800.0	4,800.0	4,800.0	10.7	10.7	88.83	1.8	89.5	89.5	68.1	21.35	4.191		
4,900.0	4,900.0	4,900.0	4,900.0	10.9	10.9	88.83	1.8	89.5	89.5	67.7	21.80	4.105		
5,000.0	5,000.0	5,000.0	5,000.0	11.1	11.1	88.83	1.8	89.5	89.5	67.2	22.25	4.022		
5,100.0	5,100.0	5,100.0	5,100.0	11.4	11.4	88.83	1.8	89.5	89.5	66.8	22.70	3.942		

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

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	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	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)		
5,200.0	5,200.0	5,200.0	5,200.0	11.6	11.6	88.83	1.8	89.5	89.5	66.3	23.15	3.866	
5,300.0	5,300.0	5,300.0	5,300.0	11.8	11.8	88.83	1.8	89.5	89.5	65.9	23.60	3.792	
5,400.0	5,400.0	5,400.0	5,400.0	12.0	12.0	88.83	1.8	89.5	89.5	65.4	24.05	3.721	CC, ES, SF
5,500.0	5,500.0	5,495.7	5,495.7	12.2	12.2	89.33	1.1	91.8	91.9	67.4	24.47	3.754	
5,600.0	5,600.0	5,590.9	5,590.6	12.5	12.4	90.68	-1.2	98.5	99.0	74.1	24.88	3.979	
5,700.0	5,700.0	5,685.2	5,684.1	12.7	12.6	92.54	-4.9	109.6	110.9	85.6	25.29	4.386	
5,800.0	5,800.0	5,778.1	5,775.6	12.9	12.8	94.54	-9.9	124.9	127.6	101.9	25.70	4.967	
5,900.0	5,900.0	5,869.2	5,864.5	13.1	13.0	96.43	-16.2	143.9	149.1	123.0	26.11	5.711	
6,000.0	6,000.0	5,958.1	5,950.2	13.4	13.2	-117.05	-23.7	166.3	175.6	149.2	26.46	6.638	
6,100.0	6,099.7	6,043.8	6,031.7	13.5	13.5	-115.99	-32.0	191.5	209.1	182.3	26.77	7.811	
6,200.0	6,198.7	6,125.5	6,108.2	13.7	13.7	-115.79	-41.0	218.7	249.5	222.4	27.05	9.222	
6,300.0	6,296.5	6,200.0	6,176.8	13.9	14.0	-115.82	-50.2	246.2	296.5	269.2	27.31	10.857	
6,400.0	6,392.6	6,274.3	6,244.1	14.1	14.3	-115.94	-60.1	276.1	349.9	322.3	27.57	12.692	
6,500.0	6,486.6	6,340.6	6,303.1	14.3	14.6	-115.73	-69.7	304.9	409.2	381.3	27.82	14.709	
6,600.0	6,577.9	6,400.0	6,354.9	14.6	15.0	-115.07	-78.8	332.3	474.0	445.9	28.09	16.871	
6,700.0	6,666.2	6,462.9	6,409.0	15.0	15.3	-114.93	-88.9	362.8	543.5	515.1	28.43	19.117	
6,800.0	6,755.5	6,530.8	6,467.2	15.4	15.8	-140.70	-99.9	396.0	615.4	587.0	28.37	21.688	
6,900.0	6,849.8	6,599.2	6,525.8	15.7	16.2	172.90	-111.0	429.4	687.6	658.7	28.92	23.773	
7,000.0	6,944.7	6,664.6	6,581.9	16.0	16.7	126.50	-121.6	461.3	757.2	727.2	30.05	25.196	
7,100.0	7,035.2	6,723.6	6,632.5	16.2	17.1	99.30	-131.1	490.2	823.0	791.9	31.05	26.501	
7,200.0	7,116.8	6,773.3	6,675.1	16.4	17.5	84.09	-139.2	514.4	884.2	852.7	31.51	28.062	
7,300.0	7,185.2	6,811.1	6,707.5	16.5	17.8	74.29	-145.3	532.9	940.6	909.3	31.29	30.061	
7,400.0	7,236.9	6,835.0	6,728.1	16.7	18.0	67.15	-149.2	544.6	991.7	961.3	30.46	32.556	

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						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	88.60	2.9	119.5	119.5				
100.0	100.0	100.0	100.0	0.1	0.1	88.60	2.9	119.5	119.5	119.3	0.22	531.787	
200.0	200.0	200.0	200.0	0.3	0.3	88.60	2.9	119.5	119.5	118.9	0.67	177.262	
300.0	300.0	300.0	300.0	0.6	0.6	88.60	2.9	119.5	119.5	118.4	1.12	106.357	
400.0	400.0	400.0	400.0	0.8	0.8	88.60	2.9	119.5	119.5	118.0	1.57	75.970	
500.0	500.0	500.0	500.0	1.0	1.0	88.60	2.9	119.5	119.5	117.5	2.02	59.087	
600.0	600.0	600.0	600.0	1.2	1.2	88.60	2.9	119.5	119.5	117.1	2.47	48.344	
700.0	700.0	700.0	700.0	1.5	1.5	88.60	2.9	119.5	119.5	116.6	2.92	40.907	
800.0	800.0	800.0	800.0	1.7	1.7	88.60	2.9	119.5	119.5	116.2	3.37	35.452	
900.0	900.0	900.0	900.0	1.9	1.9	88.60	2.9	119.5	119.5	115.7	3.82	31.282	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.60	2.9	119.5	119.5	115.3	4.27	27.989	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	88.60	2.9	119.5	119.5	114.8	4.72	25.323	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	88.60	2.9	119.5	119.5	114.4	5.17	23.121	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	88.60	2.9	119.5	119.5	113.9	5.62	21.271	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	88.60	2.9	119.5	119.5	113.5	6.07	19.696	
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	88.60	2.9	119.5	119.5	113.0	6.52	18.337	
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	88.60	2.9	119.5	119.5	112.6	6.97	17.154	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	88.60	2.9	119.5	119.5	112.1	7.42	16.115	
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	88.60	2.9	119.5	119.5	111.7	7.87	15.194	
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	88.60	2.9	119.5	119.5	111.2	8.32	14.373	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.60	2.9	119.5	119.5	110.8	8.77	13.636	
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.60	2.9	119.5	119.5	110.3	9.22	12.970	
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.60	2.9	119.5	119.5	109.9	9.66	12.367	
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.60	2.9	119.5	119.5	109.4	10.11	11.817	
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.60	2.9	119.5	119.5	109.0	10.56	11.315	
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.60	2.9	119.5	119.5	108.5	11.01	10.853	
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.60	2.9	119.5	119.5	108.1	11.46	10.427	
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.60	2.9	119.5	119.5	107.6	11.91	10.034	
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.60	2.9	119.5	119.5	107.2	12.36	9.669	
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.60	2.9	119.5	119.5	106.7	12.81	9.330	
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.60	2.9	119.5	119.5	106.3	13.26	9.013	
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.60	2.9	119.5	119.5	105.8	13.71	8.718	
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.60	2.9	119.5	119.5	105.4	14.16	8.441	
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.60	2.9	119.5	119.5	104.9	14.61	8.181	
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.60	2.9	119.5	119.5	104.5	15.06	7.937	
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.60	2.9	119.5	119.5	104.0	15.51	7.707	
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.60	2.9	119.5	119.5	103.6	15.96	7.490	
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.60	2.9	119.5	119.5	103.1	16.41	7.285	
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.60	2.9	119.5	119.5	102.7	16.86	7.090	
3,900.0	3,900.0	3,900.0	3,900.0	8.7	8.7	88.60	2.9	119.5	119.5	102.2	17.31	6.906	
4,000.0	4,000.0	4,000.0	4,000.0	8.9	8.9	88.60	2.9	119.5	119.5	101.8	17.76	6.731	
4,100.0	4,100.0	4,100.0	4,100.0	9.1	9.1	88.60	2.9	119.5	119.5	101.3	18.21	6.565	
4,200.0	4,200.0	4,200.0	4,200.0	9.3	9.3	88.60	2.9	119.5	119.5	100.9	18.66	6.407	
4,300.0	4,300.0	4,300.0	4,300.0	9.6	9.6	88.60	2.9	119.5	119.5	100.4	19.11	6.256	
4,400.0	4,400.0	4,400.0	4,400.0	9.8	9.8	88.60	2.9	119.5	119.5	100.0	19.55	6.112	
4,500.0	4,500.0	4,500.0	4,500.0	10.0	10.0	88.60	2.9	119.5	119.5	99.5	20.00	5.975 CC, ES	
4,600.0	4,600.0	4,594.1	4,594.1	10.2	10.2	88.80	2.6	121.8	122.0	101.5	20.43	5.971 SF	
4,700.0	4,700.0	4,687.8	4,687.5	10.5	10.4	89.34	1.5	128.6	129.2	108.4	20.83	6.203	
4,800.0	4,800.0	4,780.6	4,779.6	10.7	10.6	90.11	-0.3	139.8	141.3	120.1	21.24	6.652	
4,900.0	4,900.0	4,872.0	4,869.7	10.9	10.8	90.99	-2.7	155.2	158.1	136.5	21.66	7.302	
5,000.0	5,000.0	4,961.8	4,957.3	11.1	11.0	91.87	-5.7	174.4	179.6	157.5	22.07	8.137	
5,100.0	5,100.0	5,049.5	5,042.0	11.4	11.2	92.68	-9.2	197.1	205.6	183.1	22.50	9.140	

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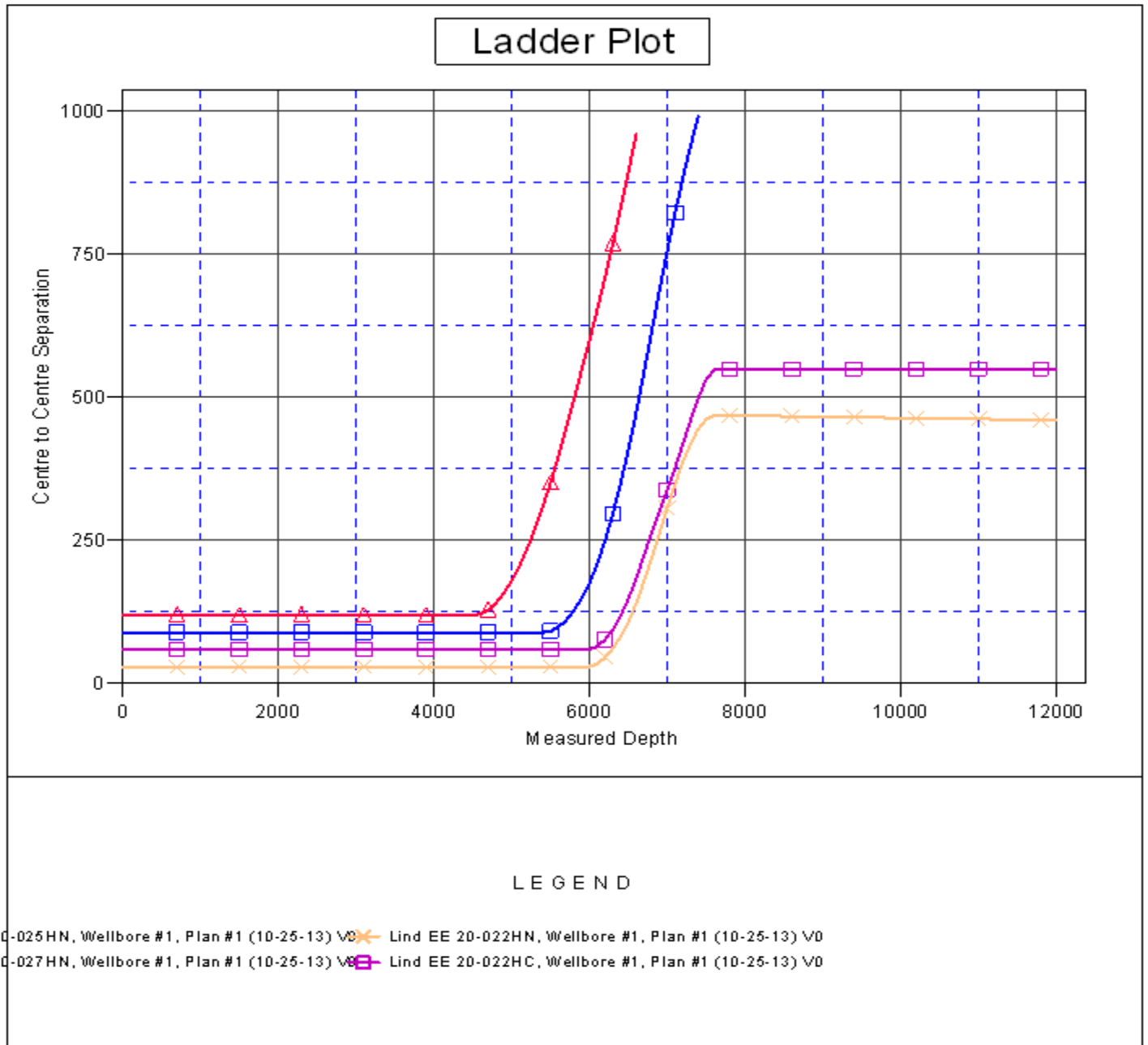
<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Lind West Pad Sec.20-T7N-R66W - Lind EE 20-027HN - Wellbore #1 - Plan #1 (10-25-13)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
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	5,134.9	5,123.3	11.6	11.5	93.41	-13.3	222.8	236.0	213.1	22.93	10.294	
5,300.0	5,300.0	5,217.8	5,201.0	11.8	11.8	94.03	-17.7	251.2	270.6	247.2	23.37	11.580	
5,400.0	5,400.0	5,300.0	5,276.8	12.0	12.1	94.58	-22.6	282.6	309.1	285.3	23.82	12.978	
5,500.0	5,500.0	5,375.1	5,344.8	12.2	12.4	95.02	-27.6	314.1	351.5	327.2	24.28	14.477	
5,600.0	5,600.0	5,449.4	5,410.8	12.5	12.8	95.40	-32.9	347.9	397.4	372.6	24.75	16.055	
5,700.0	5,700.0	5,521.7	5,473.7	12.7	13.3	95.72	-38.4	383.1	446.6	421.4	25.24	17.698	
5,800.0	5,800.0	5,606.5	5,546.6	12.9	13.8	96.04	-45.1	425.8	497.5	471.8	25.79	19.291	
5,900.0	5,900.0	5,692.5	5,620.6	13.1	14.5	96.31	-51.9	469.1	548.5	522.1	26.37	20.797	
6,000.0	6,000.0	5,778.3	5,694.4	13.4	15.1	-117.92	-58.6	512.4	599.8	573.9	25.93	23.128	
6,100.0	6,099.7	5,862.5	5,766.9	13.5	15.8	-116.09	-65.3	554.8	653.5	627.3	26.25	24.899	
6,200.0	6,198.7	5,944.5	5,837.4	13.7	16.5	-114.60	-71.7	596.1	709.9	683.4	26.55	26.738	
6,300.0	6,296.5	6,023.9	5,905.7	13.9	17.2	-113.31	-78.0	636.1	768.9	742.0	26.86	28.629	
6,400.0	6,392.6	6,100.3	5,971.5	14.1	17.9	-112.12	-84.0	674.5	830.4	803.2	27.18	30.553	
6,500.0	6,486.6	6,173.4	6,034.3	14.3	18.5	-110.94	-89.8	711.3	894.6	867.0	27.54	32.477	
6,600.0	6,577.9	6,242.7	6,093.9	14.6	19.2	-109.67	-95.3	746.2	961.3	933.3	27.98	34.361	

<b>Company:</b>	Great Western	<b>Local Co-ordinate Reference:</b>	Well Lind EE 20-021HN
<b>Project:</b>	SEC.20-T7N-R66W	<b>TVD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Reference Site:</b>	Lind West Pad Sec.20-T7N-R66W	<b>MD Reference:</b>	WELL @ 4976.8ft (RKB - 16.5')
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Lind EE 20-021HN	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	Landmark
<b>Reference Design:</b>	Plan #1 (10-25-13)	<b>Offset TVD Reference:</b>	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 20-021HN  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.45°



**Company:** Great Western  
**Project:** SEC.20-T7N-R66W  
**Reference Site:** Lind West Pad Sec.20-T7N-R66W  
**Site Error:** 0.0ft  
**Reference Well:** Lind EE 20-021HN  
**Well Error:** 0.0ft  
**Reference Wellbore:** Wellbore #1  
**Reference Design:** Plan #1 (10-25-13)

**Local Co-ordinate Reference:** Well Lind EE 20-021HN  
**TVD Reference:** WELL @ 4976.8ft (RKB - 16.5')  
**MD Reference:** WELL @ 4976.8ft (RKB - 16.5')  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** Landmark  
**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 20-021HN

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

