

Condor Energy

Well Name: **Wickstrom 18-2H**

Surface Location: Wickstrom 18-2H Pad Sec.18-T6N-R60W
North American Datum 1983, US State Plane 1983, Colorado Northern Zone

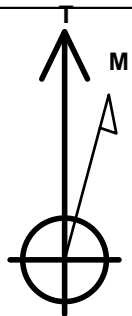
Ground Elevation: 4700.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1426014.93	3377762.01	40.494870	-104.141680	

Original Well Elev WELL @ 4712.5ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
HARDLINE 600'	1.0	-315.0	600.0	Polygon
SECTION LINE	1.0	285.0	600.0	Polygon
SHL 285'FNL & 1600'FWL, SEC.18	1.0	0.0	0.0	Point
WP2	6098.6	-4505.9	-210.7	Point
WP1 660'FNL & 1577'FWL	6103.9	-375.2	-16.7	Point
BHL 1600'FSL & 1080'FWL, SEC.19	6125.5	-8652.5	-406.2	Point



Azimuths to True North
Magnetic North: 8.30°

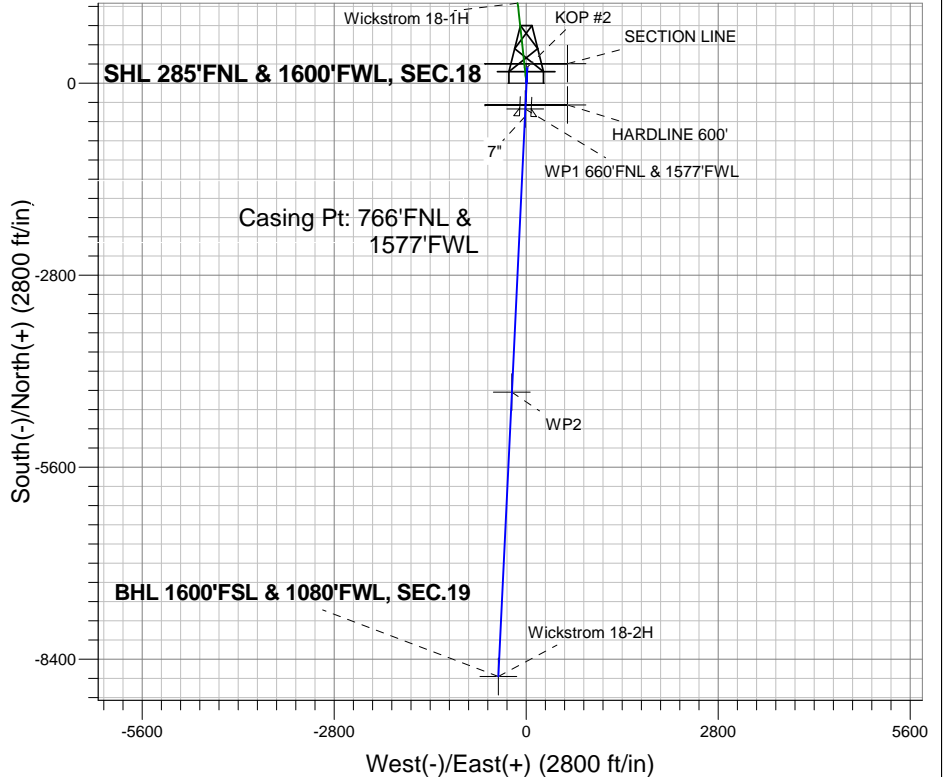
Magnetic Field
Strength: 53067.7srT
Dip Angle: 67.17°
Date: 2/25/2013
Model: IGRF2010

Wickstrom 18-2H Pad Sec.18-T6N-R60W
Wickstrom 18-2H
Plan #1 (2-25-13)
16:54, February 27 2013

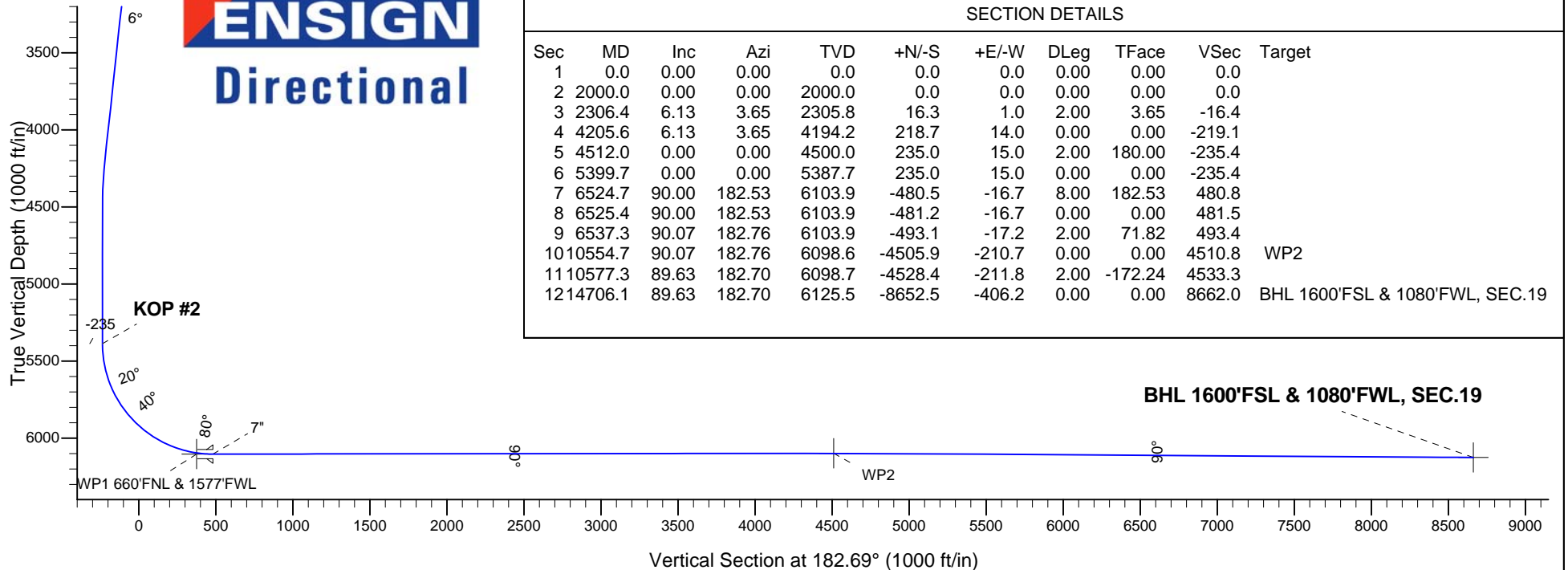
ANNOTATIONS

TVD	MD	Annotation
2000.0	2000.0	KOP #1
5387.7	5399.7	KOP #2

South(-)/North(+) (2800 ft/in)



ENSIGN
Directional



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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2306.4	6.13	3.65	2305.8	16.3	1.0	2.00	3.65	-16.4	
4	4205.6	6.13	3.65	4194.2	218.7	14.0	0.00	0.00	-219.1	
5	4512.0	0.00	0.00	4500.0	235.0	15.0	2.00	180.00	-235.4	
6	5399.7	0.00	0.00	5387.7	235.0	15.0	0.00	0.00	-235.4	
7	6524.7	90.00	182.53	6103.9	-480.5	-16.7	8.00	182.53	480.8	
8	6525.4	90.00	182.53	6103.9	-481.2	-16.7	0.00	0.00	481.5	
9	6537.3	90.07	182.76	6103.9	-493.1	-17.2	2.00	71.82	493.4	
10	10554.7	90.07	182.76	6098.6	-4505.9	-210.7	0.00	0.00	4510.8	WP2
11	10577.3	89.63	182.70	6098.7	-4528.4	-211.8	2.00	-172.24	4533.3	
12	14706.1	89.63	182.70	6125.5	-8652.5	-406.2	0.00	0.00	8662.0	BHL 1600'FSL & 1080'FWL, SEC.19



Condor Energy

SEC.18-T6N-R60W

Wickstrom 18-2H Pad Sec.18-T6N-R60W

Wickstrom 18-2H

Wellbore #1

Plan: Plan #1 (2-25-13)

Standard Planning Report

27 February, 2013

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Company:	Condor Energy	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-25-13)		

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
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
KOP #1									
2,100.0	2.00	3.65	2,100.0	1.7	0.1	-1.7	2.00	2.00	0.00
2,200.0	4.00	3.65	2,199.8	7.0	0.4	-7.0	2.00	2.00	0.00
2,300.0	6.00	3.65	2,299.5	15.7	1.0	-15.7	2.00	2.00	0.00
2,306.4	6.13	3.65	2,305.8	16.3	1.0	-16.4	2.00	2.00	0.00
2,400.0	6.13	3.65	2,398.9	26.3	1.7	-26.4	0.00	0.00	0.00
2,500.0	6.13	3.65	2,498.3	37.0	2.4	-37.0	0.00	0.00	0.00
2,600.0	6.13	3.65	2,597.7	47.6	3.0	-47.7	0.00	0.00	0.00
2,700.0	6.13	3.65	2,697.2	58.3	3.7	-58.4	0.00	0.00	0.00
2,800.0	6.13	3.65	2,796.6	68.9	4.4	-69.1	0.00	0.00	0.00
2,900.0	6.13	3.65	2,896.0	79.6	5.1	-79.7	0.00	0.00	0.00
3,000.0	6.13	3.65	2,995.5	90.2	5.8	-90.4	0.00	0.00	0.00
3,100.0	6.13	3.65	3,094.9	100.9	6.4	-101.1	0.00	0.00	0.00
3,200.0	6.13	3.65	3,194.3	111.5	7.1	-111.7	0.00	0.00	0.00
3,300.0	6.13	3.65	3,293.7	122.2	7.8	-122.4	0.00	0.00	0.00
3,400.0	6.13	3.65	3,393.2	132.8	8.5	-133.1	0.00	0.00	0.00
3,500.0	6.13	3.65	3,492.6	143.5	9.2	-143.8	0.00	0.00	0.00
3,600.0	6.13	3.65	3,592.0	154.1	9.8	-154.4	0.00	0.00	0.00
3,700.0	6.13	3.65	3,691.5	164.8	10.5	-165.1	0.00	0.00	0.00
3,800.0	6.13	3.65	3,790.9	175.5	11.2	-175.8	0.00	0.00	0.00
3,900.0	6.13	3.65	3,890.3	186.1	11.9	-186.5	0.00	0.00	0.00
4,000.0	6.13	3.65	3,989.7	196.8	12.6	-197.1	0.00	0.00	0.00
4,100.0	6.13	3.65	4,089.2	207.4	13.2	-207.8	0.00	0.00	0.00
4,200.0	6.13	3.65	4,188.6	218.1	13.9	-218.5	0.00	0.00	0.00
4,205.6	6.13	3.65	4,194.2	218.7	14.0	-219.1	0.00	0.00	0.00
4,300.0	4.24	3.65	4,288.2	227.2	14.5	-227.6	2.00	-2.00	0.00
4,400.0	2.24	3.65	4,388.0	232.8	14.9	-233.3	2.00	-2.00	0.00
4,500.0	0.24	3.65	4,488.0	235.0	15.0	-235.4	2.00	-2.00	0.00
4,512.0	0.00	0.00	4,500.0	235.0	15.0	-235.4	2.00	-2.00	0.00
4,600.0	0.00	0.00	4,588.0	235.0	15.0	-235.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,688.0	235.0	15.0	-235.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,788.0	235.0	15.0	-235.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,888.0	235.0	15.0	-235.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Company:	Condor Energy	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-25-13)		

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)
5,000.0	0.00	0.00	4,988.0	235.0	15.0	-235.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,088.0	235.0	15.0	-235.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,188.0	235.0	15.0	-235.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,288.0	235.0	15.0	-235.4	0.00	0.00	0.00
5,399.7	0.00	0.00	5,387.7	235.0	15.0	-235.4	0.00	0.00	0.00
KOP #2									
5,400.0	0.03	182.53	5,388.0	235.0	15.0	-235.4	8.51	8.51	0.00
5,500.0	8.03	182.53	5,487.7	228.0	14.7	-228.4	8.00	8.00	0.00
5,600.0	16.03	182.53	5,585.4	207.2	13.8	-207.6	8.00	8.00	0.00
5,700.0	24.03	182.53	5,679.3	173.0	12.3	-173.4	8.00	8.00	0.00
5,800.0	32.03	182.53	5,767.5	126.1	10.2	-126.4	8.00	8.00	0.00
5,900.0	40.03	182.53	5,848.3	67.4	7.6	-67.7	8.00	8.00	0.00
6,000.0	48.03	182.53	5,920.1	-2.0	4.5	1.8	8.00	8.00	0.00
6,100.0	56.03	182.53	5,981.6	-80.7	1.0	80.5	8.00	8.00	0.00
6,200.0	64.03	182.53	6,031.5	-167.1	-2.8	167.1	8.00	8.00	0.00
6,300.0	72.03	182.53	6,068.9	-259.7	-6.9	259.7	8.00	8.00	0.00
6,400.0	80.03	182.53	6,093.0	-356.6	-11.2	356.7	8.00	8.00	0.00
6,500.0	88.03	182.53	6,103.4	-455.8	-15.6	456.1	8.00	8.00	0.00
6,524.7	90.00	182.53	6,103.9	-480.5	-16.7	480.8	8.00	8.00	0.00
6,525.4	90.00	182.53	6,103.9	-481.2	-16.7	481.5	0.00	0.00	0.00
7"									
6,537.3	90.07	182.76	6,103.9	-493.1	-17.2	493.4	2.00	0.62	1.90
6,600.0	90.07	182.76	6,103.8	-555.7	-20.3	556.1	0.00	0.00	0.00
6,700.0	90.07	182.76	6,103.6	-655.6	-25.1	656.1	0.00	0.00	0.00
6,800.0	90.07	182.76	6,103.5	-755.5	-29.9	756.1	0.00	0.00	0.00
6,900.0	90.07	182.76	6,103.4	-855.4	-34.7	856.1	0.00	0.00	0.00
7,000.0	90.07	182.76	6,103.3	-955.3	-39.5	956.1	0.00	0.00	0.00
7,100.0	90.07	182.76	6,103.1	-1,055.1	-44.3	1,056.1	0.00	0.00	0.00
7,200.0	90.07	182.76	6,103.0	-1,155.0	-49.2	1,156.1	0.00	0.00	0.00
7,300.0	90.07	182.76	6,102.9	-1,254.9	-54.0	1,256.1	0.00	0.00	0.00
7,400.0	90.07	182.76	6,102.7	-1,354.8	-58.8	1,356.1	0.00	0.00	0.00
7,500.0	90.07	182.76	6,102.6	-1,454.7	-63.6	1,456.1	0.00	0.00	0.00
7,600.0	90.07	182.76	6,102.5	-1,554.6	-68.4	1,556.1	0.00	0.00	0.00
7,700.0	90.07	182.76	6,102.3	-1,654.5	-73.2	1,656.1	0.00	0.00	0.00
7,800.0	90.07	182.76	6,102.2	-1,754.3	-78.0	1,756.1	0.00	0.00	0.00
7,900.0	90.07	182.76	6,102.1	-1,854.2	-82.9	1,856.1	0.00	0.00	0.00
8,000.0	90.07	182.76	6,102.0	-1,954.1	-87.7	1,956.1	0.00	0.00	0.00
8,100.0	90.07	182.76	6,101.8	-2,054.0	-92.5	2,056.1	0.00	0.00	0.00
8,200.0	90.07	182.76	6,101.7	-2,153.9	-97.3	2,156.1	0.00	0.00	0.00
8,300.0	90.07	182.76	6,101.6	-2,253.8	-102.1	2,256.1	0.00	0.00	0.00
8,400.0	90.07	182.76	6,101.4	-2,353.6	-106.9	2,356.1	0.00	0.00	0.00
8,500.0	90.07	182.76	6,101.3	-2,453.5	-111.8	2,456.1	0.00	0.00	0.00
8,600.0	90.07	182.76	6,101.2	-2,553.4	-116.6	2,556.1	0.00	0.00	0.00
8,700.0	90.07	182.76	6,101.0	-2,653.3	-121.4	2,656.1	0.00	0.00	0.00
8,800.0	90.07	182.76	6,100.9	-2,753.2	-126.2	2,756.1	0.00	0.00	0.00
8,900.0	90.07	182.76	6,100.8	-2,853.1	-131.0	2,856.1	0.00	0.00	0.00
9,000.0	90.07	182.76	6,100.7	-2,952.9	-135.8	2,956.1	0.00	0.00	0.00
9,100.0	90.07	182.76	6,100.5	-3,052.8	-140.6	3,056.1	0.00	0.00	0.00
9,200.0	90.07	182.76	6,100.4	-3,152.7	-145.5	3,156.1	0.00	0.00	0.00
9,300.0	90.07	182.76	6,100.3	-3,252.6	-150.3	3,256.1	0.00	0.00	0.00
9,400.0	90.07	182.76	6,100.1	-3,352.5	-155.1	3,356.1	0.00	0.00	0.00
9,500.0	90.07	182.76	6,100.0	-3,452.4	-159.9	3,456.1	0.00	0.00	0.00
9,600.0	90.07	182.76	6,099.9	-3,552.2	-164.7	3,556.1	0.00	0.00	0.00
9,700.0	90.07	182.76	6,099.7	-3,652.1	-169.5	3,656.1	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
Design:	Plan #1 (2-25-13)		

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)
9,800.0	90.07	182.76	6,099.6	-3,752.0	-174.4	3,756.1	0.00	0.00	0.00
9,900.0	90.07	182.76	6,099.5	-3,851.9	-179.2	3,856.1	0.00	0.00	0.00
10,000.0	90.07	182.76	6,099.4	-3,951.8	-184.0	3,956.1	0.00	0.00	0.00
10,100.0	90.07	182.76	6,099.2	-4,051.7	-188.8	4,056.1	0.00	0.00	0.00
10,200.0	90.07	182.76	6,099.1	-4,151.5	-193.6	4,156.1	0.00	0.00	0.00
10,300.0	90.07	182.76	6,099.0	-4,251.4	-198.4	4,256.1	0.00	0.00	0.00
10,400.0	90.07	182.76	6,098.8	-4,351.3	-203.2	4,356.1	0.00	0.00	0.00
10,500.0	90.07	182.76	6,098.7	-4,451.2	-208.1	4,456.1	0.00	0.00	0.00
10,554.7	90.07	182.76	6,098.6	-4,505.9	-210.7	4,510.8	0.00	0.00	0.00
10,577.3	89.63	182.70	6,098.7	-4,528.4	-211.8	4,533.3	2.00	-1.98	-0.27
10,600.0	89.63	182.70	6,098.8	-4,551.1	-212.8	4,556.1	0.00	0.00	0.00
10,700.0	89.63	182.70	6,099.5	-4,651.0	-217.6	4,656.1	0.00	0.00	0.00
10,800.0	89.63	182.70	6,100.1	-4,750.9	-222.3	4,756.1	0.00	0.00	0.00
10,900.0	89.63	182.70	6,100.8	-4,850.7	-227.0	4,856.1	0.00	0.00	0.00
11,000.0	89.63	182.70	6,101.4	-4,950.6	-231.7	4,956.1	0.00	0.00	0.00
11,100.0	89.63	182.70	6,102.1	-5,050.5	-236.4	5,056.1	0.00	0.00	0.00
11,200.0	89.63	182.70	6,102.7	-5,150.4	-241.1	5,156.0	0.00	0.00	0.00
11,300.0	89.63	182.70	6,103.4	-5,250.3	-245.8	5,256.0	0.00	0.00	0.00
11,400.0	89.63	182.70	6,104.0	-5,350.2	-250.5	5,356.0	0.00	0.00	0.00
11,500.0	89.63	182.70	6,104.7	-5,450.1	-255.2	5,456.0	0.00	0.00	0.00
11,600.0	89.63	182.70	6,105.3	-5,550.0	-259.9	5,556.0	0.00	0.00	0.00
11,700.0	89.63	182.70	6,106.0	-5,649.8	-264.6	5,656.0	0.00	0.00	0.00
11,800.0	89.63	182.70	6,106.6	-5,749.7	-269.4	5,756.0	0.00	0.00	0.00
11,900.0	89.63	182.70	6,107.3	-5,849.6	-274.1	5,856.0	0.00	0.00	0.00
12,000.0	89.63	182.70	6,107.9	-5,949.5	-278.8	5,956.0	0.00	0.00	0.00
12,100.0	89.63	182.70	6,108.6	-6,049.4	-283.5	6,056.0	0.00	0.00	0.00
12,200.0	89.63	182.70	6,109.2	-6,149.3	-288.2	6,156.0	0.00	0.00	0.00
12,300.0	89.63	182.70	6,109.9	-6,249.2	-292.9	6,256.0	0.00	0.00	0.00
12,400.0	89.63	182.70	6,110.5	-6,349.1	-297.6	6,356.0	0.00	0.00	0.00
12,500.0	89.63	182.70	6,111.2	-6,448.9	-302.3	6,456.0	0.00	0.00	0.00
12,600.0	89.63	182.70	6,111.8	-6,548.8	-307.0	6,556.0	0.00	0.00	0.00
12,700.0	89.63	182.70	6,112.5	-6,648.7	-311.7	6,656.0	0.00	0.00	0.00
12,800.0	89.63	182.70	6,113.1	-6,748.6	-316.4	6,756.0	0.00	0.00	0.00
12,900.0	89.63	182.70	6,113.8	-6,848.5	-321.2	6,856.0	0.00	0.00	0.00
13,000.0	89.63	182.70	6,114.4	-6,948.4	-325.9	6,956.0	0.00	0.00	0.00
13,100.0	89.63	182.70	6,115.1	-7,048.3	-330.6	7,056.0	0.00	0.00	0.00
13,200.0	89.63	182.70	6,115.7	-7,148.1	-335.3	7,156.0	0.00	0.00	0.00
13,300.0	89.63	182.70	6,116.4	-7,248.0	-340.0	7,256.0	0.00	0.00	0.00
13,400.0	89.63	182.70	6,117.0	-7,347.9	-344.7	7,356.0	0.00	0.00	0.00
13,500.0	89.63	182.70	6,117.7	-7,447.8	-349.4	7,456.0	0.00	0.00	0.00
13,600.0	89.63	182.70	6,118.3	-7,547.7	-354.1	7,556.0	0.00	0.00	0.00
13,700.0	89.63	182.70	6,119.0	-7,647.6	-358.8	7,656.0	0.00	0.00	0.00
13,800.0	89.63	182.70	6,119.6	-7,747.5	-363.5	7,756.0	0.00	0.00	0.00
13,900.0	89.63	182.70	6,120.3	-7,847.4	-368.3	7,856.0	0.00	0.00	0.00
14,000.0	89.63	182.70	6,120.9	-7,947.2	-373.0	7,956.0	0.00	0.00	0.00
14,100.0	89.63	182.70	6,121.6	-8,047.1	-377.7	8,056.0	0.00	0.00	0.00
14,200.0	89.63	182.70	6,122.2	-8,147.0	-382.4	8,156.0	0.00	0.00	0.00
14,300.0	89.63	182.70	6,122.9	-8,246.9	-387.1	8,256.0	0.00	0.00	0.00
14,400.0	89.63	182.70	6,123.5	-8,346.8	-391.8	8,356.0	0.00	0.00	0.00
14,500.0	89.63	182.70	6,124.2	-8,446.7	-396.5	8,456.0	0.00	0.00	0.00
14,600.0	89.63	182.70	6,124.8	-8,546.6	-401.2	8,556.0	0.00	0.00	0.00
14,700.0	89.63	182.70	6,125.5	-8,646.5	-405.9	8,656.0	0.00	0.00	0.00
14,706.1	89.63	182.70	6,125.5	-8,652.5	-406.2	8,662.0	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Company:	Condor Energy	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-25-13)		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
HARDLINE 600'	0.00	0.00	1.0	-315.0	600.0	1,425,709.17	3,378,366.74	40.494005	-104.139523
- plan misses target center by 677.7ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,425,709.17	3,378,366.74		
Point 2			1.0	0.0	-1,200.0	1,425,690.79	3,377,166.92		
SECTION LINE	0.00	0.00	1.0	285.0	600.0	1,426,309.08	3,378,357.55	40.495652	-104.139523
- plan misses target center by 664.2ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,426,309.08	3,378,357.55		
Point 2			1.0	0.0	-1,200.0	1,426,290.70	3,377,157.73		
WP2	0.00	0.00	6,098.6	-4,505.9	-210.7	1,421,506.52	3,377,620.35	40.482502	-104.142437
- plan hits target center									
- Point									
SHL 285'FNL & 1600'	0.00	0.00	1.0	0.0	0.0	1,426,014.94	3,377,762.01	40.494870	-104.141680
- plan hits target center									
- Point									
WP1 660'FNL & 1577	0.00	0.00	6,103.9	-375.2	-16.7	1,425,639.50	3,377,751.07	40.493840	-104.141740
- plan misses target center by 9.0ft at 6419.9ft MD (6096.2 TVD, -376.2 N, -12.0 E)									
- Point									
BHL 1600'FSL & 1080'	0.00	0.00	6,125.5	-8,652.5	-406.2	1,417,357.52	3,377,488.38	40.471120	-104.143140
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name		Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
6,525.4	6,103.9	7"		7	7-1/2

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)		
2,000.0	2,000.0	0.0	0.0	KOP #1	
5,399.7	5,387.7	235.0	15.0	KOP #2	



Condor Energy

SEC.18-T6N-R60W

Wickstrom 18-2H Pad Sec.18-T6N-R60W

Wickstrom 18-2H

Wellbore #1

Plan #1 (2-25-13)

Anticollision Report

27 February, 2013

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-2H	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 (2-25-13)	Offset TVD Reference:	Offset Datum

Offset Design Wickstrom 18-2H Pad Sec.19-T6N-R60W - Wickstrom 18-1H - Wellbore #1 - Plan #1 (2-25-13)													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		
2,306.4	2,305.8	2,295.8	2,286.2	5.1	5.9	-10.16	187.7	-18.7	173.6	163.4	10.23	16.968		
2,400.0	2,398.9	2,389.3	2,379.2	5.3	6.2	-10.71	198.3	-19.8	174.5	163.8	10.67	16.355		
2,500.0	2,498.3	2,489.6	2,478.8	5.5	6.5	-11.30	209.6	-21.1	175.3	164.2	11.13	15.752		
2,600.0	2,597.7	2,596.1	2,584.8	5.8	6.7	-11.95	219.5	-22.1	174.2	162.7	11.55	15.081		
2,700.0	2,697.2	2,702.3	2,690.8	6.0	7.0	-12.67	225.5	-22.8	169.4	157.5	11.97	14.153		
2,800.0	2,796.6	2,808.0	2,796.5	6.3	7.1	-13.52	227.6	-23.0	161.0	148.6	12.39	12.994		
2,900.0	2,896.0	2,907.6	2,896.1	6.5	7.3	-14.47	227.6	-23.0	150.6	137.8	12.82	11.752		
3,000.0	2,995.5	3,007.1	2,995.6	6.8	7.5	-15.56	227.6	-23.0	140.3	127.1	13.27	10.576		
3,100.0	3,094.9	3,106.5	3,095.0	7.0	7.7	-16.82	227.6	-23.0	130.1	116.4	13.72	9.480		
3,200.0	3,194.3	3,205.9	3,194.4	7.3	7.9	-18.30	227.6	-23.0	119.9	105.7	14.18	8.456		
3,300.0	3,293.7	3,305.3	3,293.8	7.6	8.1	-20.05	227.6	-23.0	109.8	95.2	14.64	7.500		
3,400.0	3,393.2	3,404.8	3,393.3	7.8	8.3	-22.15	227.6	-23.0	99.8	84.7	15.11	6.607		
3,500.0	3,492.6	3,504.2	3,492.7	8.1	8.4	-24.71	227.6	-23.0	90.0	74.4	15.59	5.775		
3,600.0	3,592.0	3,603.6	3,592.1	8.4	8.6	-27.88	227.6	-23.0	80.4	64.4	16.08	5.003		
3,700.0	3,691.5	3,703.1	3,691.6	8.7	8.8	-31.90	227.6	-23.0	71.2	54.6	16.59	4.289		
3,800.0	3,790.9	3,802.5	3,791.0	8.9	9.0	-37.08	227.6	-23.0	62.3	45.2	17.14	3.638		
3,900.0	3,890.3	3,901.9	3,890.4	9.2	9.2	-43.88	227.6	-23.0	54.2	36.5	17.73	3.057		
4,000.0	3,989.7	4,001.3	3,989.8	9.5	9.4	-52.90	227.6	-23.0	47.1	28.7	18.38	2.561		
4,100.0	4,089.2	4,100.8	4,089.3	9.8	9.6	-64.69	227.6	-23.0	41.5	22.4	19.08	2.173		
4,205.6	4,194.2	4,205.8	4,194.3	10.1	9.9	-80.15	227.6	-23.0	38.0	18.2	19.82	1.918		
4,274.6	4,262.9	4,274.5	4,263.0	10.2	10.0	-90.00	227.6	-23.0	37.4	17.2	20.20	1.854		
4,300.0	4,288.2	4,299.8	4,288.3	10.3	10.1	-93.03	227.6	-23.0	37.5	17.2	20.32	1.845		
4,400.0	4,388.0	4,399.6	4,388.1	10.5	10.3	-101.52	227.6	-23.0	38.2	17.5	20.71	1.845		
4,500.0	4,488.0	4,499.6	4,488.1	10.7	10.5	-104.67	227.6	-23.0	38.7	17.6	21.08	1.837		
4,512.0	4,500.0	4,511.6	4,500.1	10.7	10.5	-101.05	227.6	-23.0	38.7	17.6	21.10	1.835		
4,600.0	4,588.0	4,599.6	4,588.1	10.8	10.7	-101.05	227.6	-23.0	38.7	17.3	21.45	1.805		
4,700.0	4,688.0	4,699.6	4,688.1	11.0	10.9	-101.05	227.6	-23.0	38.7	16.9	21.86	1.771		
4,800.0	4,788.0	4,799.6	4,788.1	11.2	11.1	-101.05	227.6	-23.0	38.7	16.4	22.28	1.738		
4,900.0	4,888.0	4,899.6	4,888.1	11.5	11.3	-101.05	227.6	-23.0	38.7	16.0	22.69	1.706		
5,000.0	4,988.0	4,999.6	4,988.1	11.7	11.5	-101.05	227.6	-23.0	38.7	15.6	23.11	1.675		
5,100.0	5,088.0	5,099.6	5,088.1	11.9	11.7	-101.05	227.6	-23.0	38.7	15.2	23.53	1.645		
5,200.0	5,188.0	5,199.6	5,188.1	12.1	11.9	-101.05	227.6	-23.0	38.7	14.8	23.95	1.616		
5,300.0	5,288.0	5,299.6	5,288.1	12.3	12.1	-101.05	227.6	-23.0	38.7	14.3	24.37	1.588		
5,399.7	5,387.7	5,399.3	5,387.8	12.5	12.4	-101.05	227.6	-23.0	38.7	13.9	24.80	1.561		
5,450.0	5,437.9	5,449.6	5,438.0	12.6	12.5	81.74	229.4	-23.2	38.3	13.3	25.03	1.530		
5,466.1	5,454.0	5,465.4	5,453.8	12.6	12.5	85.62	230.7	-23.3	38.2	13.1	25.10	1.523 SF		
5,500.0	5,487.7	5,498.1	5,486.3	12.6	12.6	96.67	234.5	-23.7	39.0	13.8	25.18	1.549		
5,550.0	5,536.9	5,543.9	5,531.4	12.7	12.7	116.16	242.2	-24.6	45.5	20.5	25.02	1.818		
5,600.0	5,585.4	5,586.1	5,572.4	12.7	12.9	132.34	251.9	-25.6	61.0	36.4	24.59	2.481		
5,650.0	5,632.9	5,623.9	5,608.7	12.7	13.0	142.77	262.6	-26.8	84.9	60.8	24.09	3.523		
5,700.0	5,679.3	5,657.1	5,640.0	12.7	13.2	148.94	273.5	-28.0	115.2	91.6	23.58	4.887		
5,750.0	5,724.2	5,685.5	5,666.4	12.7	13.3	152.43	284.1	-29.1	150.5	127.5	23.04	6.533		
5,800.0	5,767.5	5,709.4	5,688.2	12.7	13.4	154.15	293.7	-30.1	189.8	167.3	22.49	8.438		
5,850.0	5,808.9	5,729.0	5,705.9	12.7	13.5	154.53	302.2	-31.0	232.0	210.1	21.93	10.579		
5,900.0	5,848.3	5,750.0	5,724.5	12.8	13.6	154.55	311.7	-32.1	276.8	255.4	21.37	12.953		
5,950.0	5,885.4	5,750.0	5,724.5	12.8	13.6	149.75	311.7	-32.1	323.3	302.0	21.25	15.215		
6,000.0	5,920.1	5,765.6	5,738.2	12.9	13.7	146.59	319.2	-32.9	371.0	349.9	21.14	17.547		
6,050.0	5,952.2	5,771.5	5,743.3	13.1	13.7	137.64	322.1	-33.2	419.8	397.7	22.09	19.004		
6,100.0	5,981.6	5,774.9	5,746.2	13.2	13.7	119.60	323.8	-33.4	469.2	444.5	24.74	18.970		
6,150.0	6,008.1	5,775.9	5,747.2	13.5	13.7	86.14	324.3	-33.4	518.9	491.8	27.14	19.120		
6,200.0	6,031.5	5,775.0	5,746.4	13.7	13.7	51.06	323.8	-33.4	568.6	545.2	23.43	24.265		
6,250.0	6,051.8	5,772.3	5,744.0	14.0	13.7	31.19	322.5	-33.2	618.1	599.2	18.95	32.621		

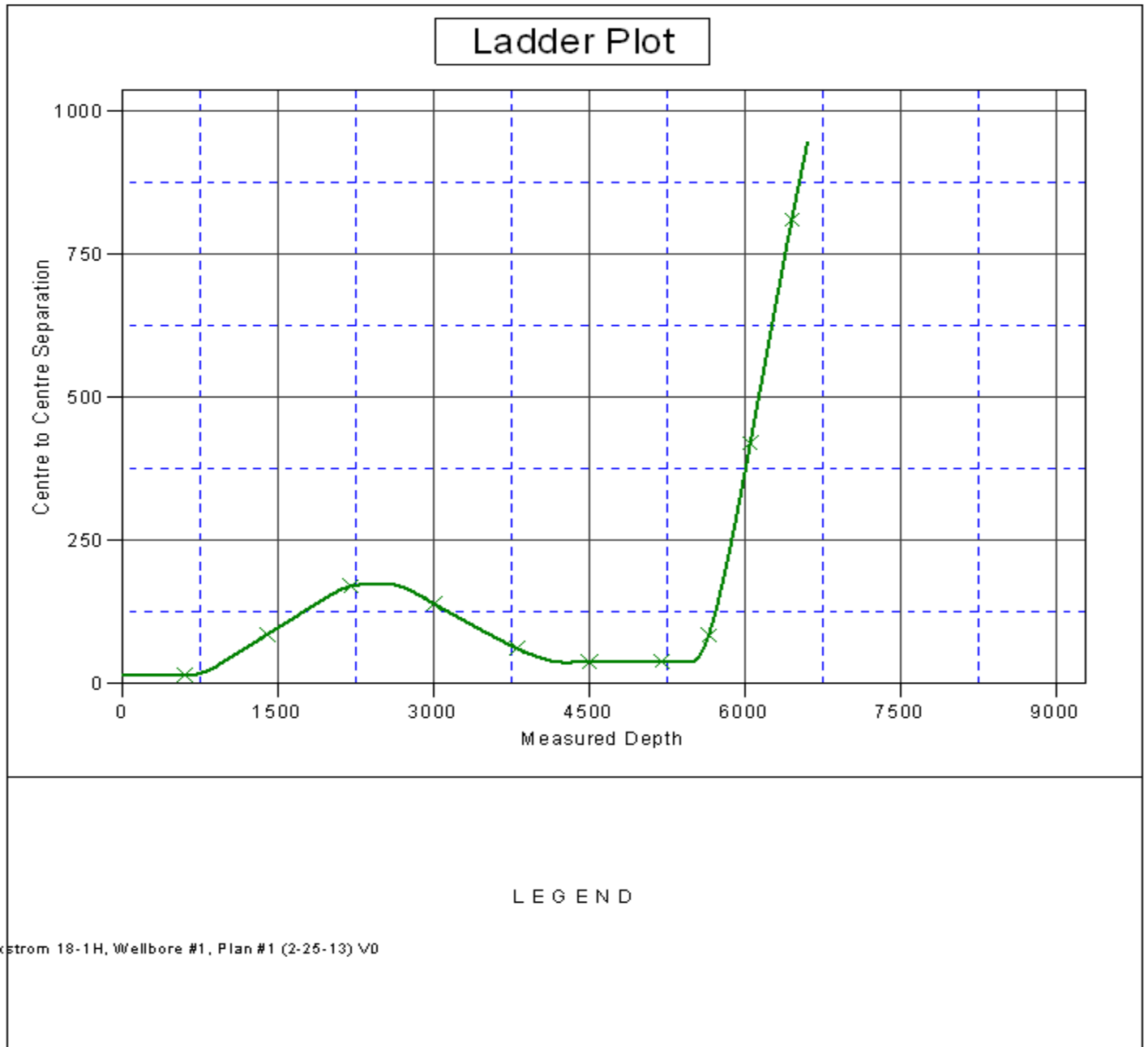
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-2H	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 (2-25-13)	Offset TVD Reference:	Offset Datum

Offset Design Wickstrom 18-2H Pad Sec.19-T6N-R60W - Wickstrom 18-1H - Wellbore #1 - Plan #1 (2-25-13)												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	
6,300.0	6,068.9	5,767.9	5,740.2	14.4	13.7	21.06	320.3	-33.0	667.2	650.9	16.30	40.925	
6,350.0	6,082.7	5,750.0	5,724.5	14.8	13.6	14.25	311.7	-32.1	715.9	701.4	14.54	49.224	
6,400.0	6,093.0	5,750.0	5,724.5	15.3	13.6	11.51	311.7	-32.1	763.5	749.7	13.81	55.291	
6,450.0	6,100.0	5,750.0	5,724.5	15.8	13.6	9.57	311.7	-32.1	810.3	796.9	13.40	60.466	
6,500.0	6,103.4	5,750.0	5,724.5	16.3	13.6	8.14	311.7	-32.1	856.2	842.9	13.28	64.488	
6,524.7	6,103.9	5,733.1	5,709.5	16.6	13.5	7.11	304.0	-31.2	878.2	864.9	13.24	66.346	
6,525.4	6,103.9	5,732.9	5,709.4	16.6	13.5	7.11	303.9	-31.2	878.8	865.6	13.24	66.380	
6,537.3	6,103.9	5,730.6	5,707.3	16.8	13.5	7.47	302.8	-31.1	889.4	876.1	13.34	66.687	
6,600.0	6,103.8	5,718.6	5,696.5	17.5	13.4	7.17	297.6	-30.5	945.6	932.0	13.59	69.608	

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-2H	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 (2-25-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4712.5ft (Original Well Elev) Coordinates are relative to: Wickstrom 18-2H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
 Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.88°



Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-2H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4712.5ft (Original Well Elev)
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4712.5ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-2H	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 (2-25-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4712.5ft (Original Well Elev) Coordinates are relative to: Wickstrom 18-2H
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.88°

