

Condor Energy

Well Name: **Wickstrom 18-4H**

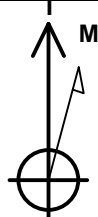
Surface Location: Wickstrom 18-2H Pad Sec.18-T6N-R60W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4699.3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1425953.01	3377762.95	40.494700	-104.141680	
RKB - 12.5' WELL @ 4711.8ft (RKB - 12.5')						

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
HARDLINE 600' SHL	-5.7	-253.1	1600.0	Polygon
SECTION LINE	-5.7	346.9	1600.0	Polygon
Dyer Group #2 (P&A) 800' Circle	0.2	-309.6	-942.9	Circle (Radius: 800.0)
Furrow #19-13 (DA) 800' Circle	0.2	-9537.8	-272.7	Circle (Radius: 800.0)
HARDLINE 600' BHL	1.0	-9590.6	-872.5	Polygon
SHL 343'FNL & 1599'FWL, Sec.18	1.0	0.0	0.0	Point
BHL 1235'FSL & 660'FWL, Sec.19	6100.0	-8954.9	-820.8	Point
Landing Pt. 1458'FNL & 660'FWL	6100.0	-1109.6	-931.8	Point

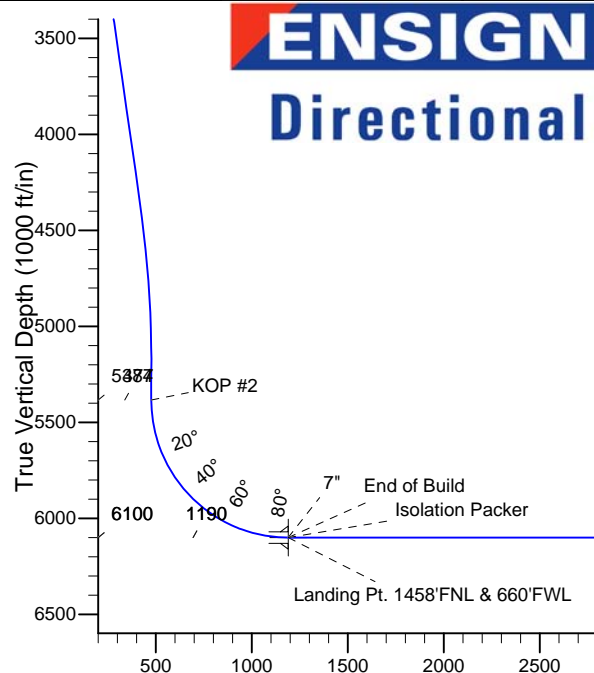
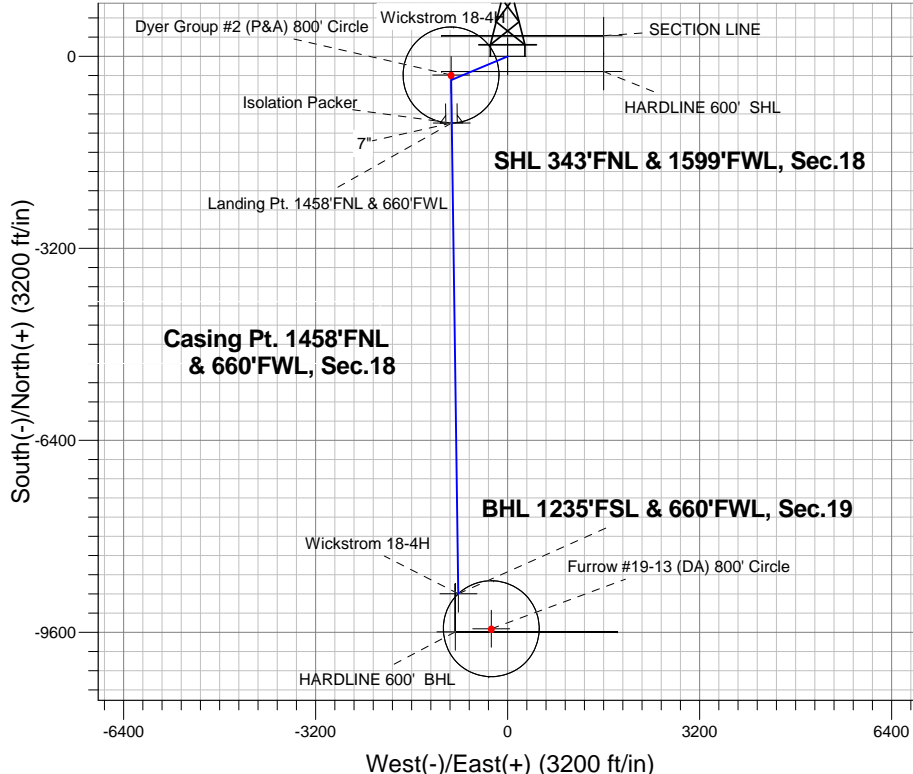


Azimuths to True North
Magnetic North: 8.19°

Magnetic Field
Strength: 52975.7nT
Dip Angle: 67.14°
Date: 1/7/2014
Model: IGRF2010

Wickstrom 18-2H Pad Sec.18-T6N-R60W
Wickstrom 18-4H
Plan #2 (1-7-14)
15:12, January 07 2014

South(-)/North(+) (3200 ft/in)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1847.4	16.95	247.33	1835.1	-47.9	-114.8	2.00	247.33	58.2	
4	4492.1	16.95	247.33	4364.9	-345.1	-826.2	0.00	0.00	419.0	
5	5339.5	0.00	0.00	5200.0	-393.0	-941.0	2.00	180.00	477.2	
6	5523.3	0.00	0.00	5383.8	-393.0	-941.0	0.00	0.00	477.2	
7	6648.3	90.00	179.26	6100.0	-1109.1	-931.8	8.00	179.26	1189.6	
8	6648.7	90.00	179.26	6100.0	-1109.6	-931.8	0.00	0.00	1190.0	Landing Pt. 1458'FNL & 660'FWL
9	6652.3	90.00	179.19	6100.0	-1113.2	-931.7	2.00	-90.00	1193.6	
10	14494.8	90.00	179.19	6100.0	-8954.9	-820.8	0.00	0.00	8992.4	BHL 1235'FSL & 660'FWL, Sec.19

BHL 1235'FSL & 660'FWL, Sec.19

Vertical Section at 185.24° (1000 ft/in)



Condor Energy

SEC.18-T6N-R60W

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

Wickstrom 18-4H

Wellbore #1

Plan: Plan #2 (1-7-14)

Standard Planning Report

07 January, 2014

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Company:	Condor Energy	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (1-7-14)		

Project	SEC.18-T6N-R60W, Morgan County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site						Wickstrom 18-2H Pad Sec.18-T6N-R60W											
Site Position:						Northing:			1,426,014.95 ft			Latitude:			40.494870		
From:			Lat/Long			Easting:			3,377,762.01 ft			Longitude:			-104.141680		
Position Uncertainty:			0.0 ft			Slot Radius:			"			Grid Convergence:			0.88 °		

Well	Wickstrom 18-4H					
Well Position	+N/-S	-61.9 ft	Northing:	1,425,953.01 ft	Latitude:	40.494700
	+E/-W	0.0 ft	Easting:	3,377,762.95 ft	Longitude:	-104.141680
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,699.3 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/7/2014	8.19	67.14	52,976

Design	Plan #2 (1-7-14)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	185.24

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,847.4	16.95	247.33	1,835.1	-47.9	-114.8	2.00	2.00	0.00	247.33	
4,492.1	16.95	247.33	4,364.9	-345.1	-826.2	0.00	0.00	0.00	0.00	
5,339.5	0.00	0.00	5,200.0	-393.0	-941.0	2.00	-2.00	0.00	180.00	
5,523.3	0.00	0.00	5,383.8	-393.0	-941.0	0.00	0.00	0.00	0.00	
6,648.3	90.00	179.26	6,100.0	-1,109.1	-931.8	8.00	8.00	0.00	179.26	
6,648.7	90.00	179.26	6,100.0	-1,109.6	-931.8	0.00	0.00	0.00	0.00	Landing Pt. 1458'Fl
6,652.3	90.00	179.19	6,100.0	-1,113.2	-931.7	2.00	0.00	-2.00	-90.00	
14,494.8	90.00	179.19	6,100.0	-8,954.9	-820.8	0.00	0.00	0.00	0.00	BHL 1235'FSL & 66

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Company:	Condor Energy	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (1-7-14)		

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
KOP #1									
1,100.0	2.00	247.33	1,100.0	-0.7	-1.6	0.8	2.00	2.00	0.00
1,200.0	4.00	247.33	1,199.8	-2.7	-6.4	3.3	2.00	2.00	0.00
1,300.0	6.00	247.33	1,299.5	-6.0	-14.5	7.3	2.00	2.00	0.00
1,400.0	8.00	247.33	1,398.7	-10.7	-25.7	13.0	2.00	2.00	0.00
1,500.0	10.00	247.33	1,497.5	-16.8	-40.2	20.4	2.00	2.00	0.00
1,600.0	12.00	247.33	1,595.6	-24.1	-57.8	29.3	2.00	2.00	0.00
1,700.0	14.00	247.33	1,693.1	-32.8	-78.5	39.8	2.00	2.00	0.00
1,800.0	16.00	247.33	1,789.6	-42.8	-102.4	51.9	2.00	2.00	0.00
1,847.4	16.95	247.33	1,835.1	-47.9	-114.8	58.2	2.00	2.00	0.00
1,900.0	16.95	247.33	1,885.4	-53.9	-129.0	65.4	0.00	0.00	0.00
2,000.0	16.95	247.33	1,981.1	-65.1	-155.9	79.0	0.00	0.00	0.00
2,100.0	16.95	247.33	2,076.7	-76.3	-182.8	92.7	0.00	0.00	0.00
2,200.0	16.95	247.33	2,172.4	-87.6	-209.7	106.3	0.00	0.00	0.00
2,300.0	16.95	247.33	2,268.0	-98.8	-236.6	120.0	0.00	0.00	0.00
2,400.0	16.95	247.33	2,363.7	-110.0	-263.5	133.6	0.00	0.00	0.00
2,500.0	16.95	247.33	2,459.4	-121.3	-290.3	147.3	0.00	0.00	0.00
2,600.0	16.95	247.33	2,555.0	-132.5	-317.2	160.9	0.00	0.00	0.00
2,700.0	16.95	247.33	2,650.7	-143.7	-344.1	174.5	0.00	0.00	0.00
2,800.0	16.95	247.33	2,746.3	-155.0	-371.0	188.2	0.00	0.00	0.00
2,900.0	16.95	247.33	2,842.0	-166.2	-397.9	201.8	0.00	0.00	0.00
3,000.0	16.95	247.33	2,937.6	-177.4	-424.8	215.5	0.00	0.00	0.00
3,100.0	16.95	247.33	3,033.3	-188.7	-451.7	229.1	0.00	0.00	0.00
3,200.0	16.95	247.33	3,129.0	-199.9	-478.6	242.8	0.00	0.00	0.00
3,300.0	16.95	247.33	3,224.6	-211.1	-505.5	256.4	0.00	0.00	0.00
3,400.0	16.95	247.33	3,320.3	-222.4	-532.4	270.0	0.00	0.00	0.00
3,500.0	16.95	247.33	3,415.9	-233.6	-559.3	283.7	0.00	0.00	0.00
3,600.0	16.95	247.33	3,511.6	-244.8	-586.2	297.3	0.00	0.00	0.00
3,700.0	16.95	247.33	3,607.2	-256.1	-613.1	311.0	0.00	0.00	0.00
3,800.0	16.95	247.33	3,702.9	-267.3	-640.0	324.6	0.00	0.00	0.00
3,900.0	16.95	247.33	3,798.6	-278.5	-666.9	338.3	0.00	0.00	0.00
4,000.0	16.95	247.33	3,894.2	-289.8	-693.8	351.9	0.00	0.00	0.00
4,100.0	16.95	247.33	3,989.9	-301.0	-720.7	365.5	0.00	0.00	0.00
4,200.0	16.95	247.33	4,085.5	-312.2	-747.6	379.2	0.00	0.00	0.00
4,300.0	16.95	247.33	4,181.2	-323.5	-774.5	392.8	0.00	0.00	0.00
4,400.0	16.95	247.33	4,276.8	-334.7	-801.4	406.5	0.00	0.00	0.00
4,492.1	16.95	247.33	4,364.9	-345.1	-826.2	419.0	0.00	0.00	0.00
4,500.0	16.79	247.33	4,372.5	-345.9	-828.3	420.1	2.00	-2.00	0.00
4,600.0	14.79	247.33	4,468.7	-356.4	-853.4	432.8	2.00	-2.00	0.00
4,700.0	12.79	247.33	4,565.8	-365.6	-875.4	444.0	2.00	-2.00	0.00
4,800.0	10.79	247.33	4,663.7	-373.5	-894.3	453.5	2.00	-2.00	0.00
4,900.0	8.79	247.33	4,762.3	-380.0	-910.0	461.5	2.00	-2.00	0.00
5,000.0	6.79	247.33	4,861.3	-385.3	-922.5	467.8	2.00	-2.00	0.00

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Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (1-7-14)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	4.79	247.33	4,960.8	-389.1	-931.8	472.6	2.00	-2.00	0.00
5,200.0	2.79	247.33	5,060.6	-391.7	-937.9	475.7	2.00	-2.00	0.00
5,300.0	0.79	247.33	5,160.5	-392.9	-940.7	477.1	2.00	-2.00	0.00
5,339.5	0.00	0.00	5,200.0	-393.0	-941.0	477.2	2.00	-2.00	0.00
5,400.0	0.00	0.00	5,260.5	-393.0	-941.0	477.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,360.5	-393.0	-941.0	477.2	0.00	0.00	0.00
5,523.3	0.00	0.00	5,383.8	-393.0	-941.0	477.2	0.00	0.00	0.00
KOP #2									
5,600.0	6.14	179.26	5,460.4	-397.1	-940.9	481.3	8.00	8.00	0.00
5,700.0	14.14	179.26	5,558.7	-414.7	-940.7	498.8	8.00	8.00	0.00
5,800.0	22.14	179.26	5,653.7	-445.8	-940.3	529.8	8.00	8.00	0.00
5,900.0	30.14	179.26	5,743.4	-489.8	-939.8	573.5	8.00	8.00	0.00
6,000.0	38.14	179.26	5,826.1	-545.9	-939.0	629.3	8.00	8.00	0.00
6,100.0	46.14	179.26	5,900.2	-612.9	-938.2	696.0	8.00	8.00	0.00
6,200.0	54.14	179.26	5,964.2	-689.6	-937.2	772.3	8.00	8.00	0.00
6,300.0	62.14	179.26	6,017.0	-774.5	-936.1	856.7	8.00	8.00	0.00
6,400.0	70.14	179.26	6,057.4	-865.8	-934.9	947.6	8.00	8.00	0.00
6,500.0	78.14	179.26	6,084.7	-961.9	-933.7	1,043.1	8.00	8.00	0.00
6,600.0	86.14	179.26	6,098.4	-1,060.9	-932.4	1,141.6	8.00	8.00	0.00
6,648.3	90.00	179.26	6,100.0	-1,109.1	-931.8	1,189.6	8.00	8.00	0.00
6,648.7	90.00	179.26	6,100.0	-1,109.6	-931.8	1,190.0	0.00	0.00	0.00
End of Build - Isolation Packer - 7"									
6,652.3	90.00	179.19	6,100.0	-1,113.2	-931.7	1,193.6	1.98	0.00	-1.98
6,700.0	90.00	179.19	6,100.0	-1,160.9	-931.0	1,241.0	0.00	0.00	0.00
6,800.0	90.00	179.19	6,100.0	-1,260.9	-929.6	1,340.4	0.00	0.00	0.00
6,900.0	90.00	179.19	6,100.0	-1,360.8	-928.2	1,439.9	0.00	0.00	0.00
7,000.0	90.00	179.19	6,100.0	-1,460.8	-926.8	1,539.3	0.00	0.00	0.00
7,100.0	90.00	179.19	6,100.0	-1,560.8	-925.4	1,638.8	0.00	0.00	0.00
7,200.0	90.00	179.19	6,100.0	-1,660.8	-924.0	1,738.2	0.00	0.00	0.00
7,300.0	90.00	179.19	6,100.0	-1,760.8	-922.6	1,837.7	0.00	0.00	0.00
7,400.0	90.00	179.19	6,100.0	-1,860.8	-921.1	1,937.1	0.00	0.00	0.00
7,500.0	90.00	179.19	6,100.0	-1,960.8	-919.7	2,036.5	0.00	0.00	0.00
7,600.0	90.00	179.19	6,100.0	-2,060.8	-918.3	2,136.0	0.00	0.00	0.00
7,700.0	90.00	179.19	6,100.0	-2,160.8	-916.9	2,235.4	0.00	0.00	0.00
7,800.0	90.00	179.19	6,100.0	-2,260.8	-915.5	2,334.9	0.00	0.00	0.00
7,900.0	90.00	179.19	6,100.0	-2,360.7	-914.1	2,434.3	0.00	0.00	0.00
8,000.0	90.00	179.19	6,100.0	-2,460.7	-912.7	2,533.8	0.00	0.00	0.00
8,100.0	90.00	179.19	6,100.0	-2,560.7	-911.2	2,633.2	0.00	0.00	0.00
8,200.0	90.00	179.19	6,100.0	-2,660.7	-909.8	2,732.7	0.00	0.00	0.00
8,300.0	90.00	179.19	6,100.0	-2,760.7	-908.4	2,832.1	0.00	0.00	0.00
8,400.0	90.00	179.19	6,100.0	-2,860.7	-907.0	2,931.5	0.00	0.00	0.00
8,500.0	90.00	179.19	6,100.0	-2,960.7	-905.6	3,031.0	0.00	0.00	0.00
8,600.0	90.00	179.19	6,100.0	-3,060.7	-904.2	3,130.4	0.00	0.00	0.00
8,700.0	90.00	179.19	6,100.0	-3,160.7	-902.8	3,229.9	0.00	0.00	0.00
8,800.0	90.00	179.19	6,100.0	-3,260.7	-901.3	3,329.3	0.00	0.00	0.00
8,900.0	90.00	179.19	6,100.0	-3,360.6	-899.9	3,428.8	0.00	0.00	0.00
9,000.0	90.00	179.19	6,100.0	-3,460.6	-898.5	3,528.2	0.00	0.00	0.00
9,100.0	90.00	179.19	6,100.0	-3,560.6	-897.1	3,627.6	0.00	0.00	0.00
9,200.0	90.00	179.19	6,100.0	-3,660.6	-895.7	3,727.1	0.00	0.00	0.00
9,300.0	90.00	179.19	6,100.0	-3,760.6	-894.3	3,826.5	0.00	0.00	0.00
9,400.0	90.00	179.19	6,100.0	-3,860.6	-892.9	3,926.0	0.00	0.00	0.00
9,500.0	90.00	179.19	6,100.0	-3,960.6	-891.4	4,025.4	0.00	0.00	0.00
9,600.0	90.00	179.19	6,100.0	-4,060.6	-890.0	4,124.9	0.00	0.00	0.00
9,700.0	90.00	179.19	6,100.0	-4,160.6	-888.6	4,224.3	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Company:	Condor Energy	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Project:	SEC.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	North Reference:	True
Well:	Wickstrom 18-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (1-7-14)		

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	90.00	179.19	6,100.0	-4,260.6	-887.2	4,323.7	0.00	0.00	0.00
9,900.0	90.00	179.19	6,100.0	-4,360.5	-885.8	4,423.2	0.00	0.00	0.00
10,000.0	90.00	179.19	6,100.0	-4,460.5	-884.4	4,522.6	0.00	0.00	0.00
10,100.0	90.00	179.19	6,100.0	-4,560.5	-882.9	4,622.1	0.00	0.00	0.00
10,200.0	90.00	179.19	6,100.0	-4,660.5	-881.5	4,721.5	0.00	0.00	0.00
10,300.0	90.00	179.19	6,100.0	-4,760.5	-880.1	4,821.0	0.00	0.00	0.00
10,400.0	90.00	179.19	6,100.0	-4,860.5	-878.7	4,920.4	0.00	0.00	0.00
10,500.0	90.00	179.19	6,100.0	-4,960.5	-877.3	5,019.9	0.00	0.00	0.00
10,600.0	90.00	179.19	6,100.0	-5,060.5	-875.9	5,119.3	0.00	0.00	0.00
10,700.0	90.00	179.19	6,100.0	-5,160.5	-874.5	5,218.7	0.00	0.00	0.00
10,800.0	90.00	179.19	6,100.0	-5,260.5	-873.0	5,318.2	0.00	0.00	0.00
10,900.0	90.00	179.19	6,100.0	-5,360.4	-871.6	5,417.6	0.00	0.00	0.00
11,000.0	90.00	179.19	6,100.0	-5,460.4	-870.2	5,517.1	0.00	0.00	0.00
11,100.0	90.00	179.19	6,100.0	-5,560.4	-868.8	5,616.5	0.00	0.00	0.00
11,200.0	90.00	179.19	6,100.0	-5,660.4	-867.4	5,716.0	0.00	0.00	0.00
11,300.0	90.00	179.19	6,100.0	-5,760.4	-866.0	5,815.4	0.00	0.00	0.00
11,400.0	90.00	179.19	6,100.0	-5,860.4	-864.6	5,914.8	0.00	0.00	0.00
11,500.0	90.00	179.19	6,100.0	-5,960.4	-863.1	6,014.3	0.00	0.00	0.00
11,600.0	90.00	179.19	6,100.0	-6,060.4	-861.7	6,113.7	0.00	0.00	0.00
11,700.0	90.00	179.19	6,100.0	-6,160.4	-860.3	6,213.2	0.00	0.00	0.00
11,800.0	90.00	179.19	6,100.0	-6,260.4	-858.9	6,312.6	0.00	0.00	0.00
11,900.0	90.00	179.19	6,100.0	-6,360.3	-857.5	6,412.1	0.00	0.00	0.00
12,000.0	90.00	179.19	6,100.0	-6,460.3	-856.1	6,511.5	0.00	0.00	0.00
12,100.0	90.00	179.19	6,100.0	-6,560.3	-854.7	6,610.9	0.00	0.00	0.00
12,200.0	90.00	179.19	6,100.0	-6,660.3	-853.2	6,710.4	0.00	0.00	0.00
12,300.0	90.00	179.19	6,100.0	-6,760.3	-851.8	6,809.8	0.00	0.00	0.00
12,400.0	90.00	179.19	6,100.0	-6,860.3	-850.4	6,909.3	0.00	0.00	0.00
12,500.0	90.00	179.19	6,100.0	-6,960.3	-849.0	7,008.7	0.00	0.00	0.00
12,600.0	90.00	179.19	6,100.0	-7,060.3	-847.6	7,108.2	0.00	0.00	0.00
12,700.0	90.00	179.19	6,100.0	-7,160.3	-846.2	7,207.6	0.00	0.00	0.00
12,800.0	90.00	179.19	6,100.0	-7,260.3	-844.8	7,307.1	0.00	0.00	0.00
12,900.0	90.00	179.19	6,100.0	-7,360.2	-843.3	7,406.5	0.00	0.00	0.00
13,000.0	90.00	179.19	6,100.0	-7,460.2	-841.9	7,505.9	0.00	0.00	0.00
13,100.0	90.00	179.19	6,100.0	-7,560.2	-840.5	7,605.4	0.00	0.00	0.00
13,200.0	90.00	179.19	6,100.0	-7,660.2	-839.1	7,704.8	0.00	0.00	0.00
13,300.0	90.00	179.19	6,100.0	-7,760.2	-837.7	7,804.3	0.00	0.00	0.00
13,400.0	90.00	179.19	6,100.0	-7,860.2	-836.3	7,903.7	0.00	0.00	0.00
13,500.0	90.00	179.19	6,100.0	-7,960.2	-834.9	8,003.2	0.00	0.00	0.00
13,600.0	90.00	179.19	6,100.0	-8,060.2	-833.4	8,102.6	0.00	0.00	0.00
13,700.0	90.00	179.19	6,100.0	-8,160.2	-832.0	8,202.0	0.00	0.00	0.00
13,800.0	90.00	179.19	6,100.0	-8,260.2	-830.6	8,301.5	0.00	0.00	0.00
13,900.0	90.00	179.19	6,100.0	-8,360.1	-829.2	8,400.9	0.00	0.00	0.00
14,000.0	90.00	179.19	6,100.0	-8,460.1	-827.8	8,500.4	0.00	0.00	0.00
14,100.0	90.00	179.19	6,100.0	-8,560.1	-826.4	8,599.8	0.00	0.00	0.00
14,200.0	90.00	179.19	6,100.0	-8,660.1	-825.0	8,699.3	0.00	0.00	0.00
14,300.0	90.00	179.19	6,100.0	-8,760.1	-823.5	8,798.7	0.00	0.00	0.00
14,400.0	90.00	179.19	6,100.0	-8,860.1	-822.1	8,898.1	0.00	0.00	0.00
14,494.8	90.00	179.19	6,100.0	-8,954.9	-820.8	8,992.4	0.00	0.00	0.00

Plan Annotations					
	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
			+N/-S	+E/-W	
			(ft)	(ft)	
	1,000.0	1,000.0	0.0	0.0	KOP #1
	5,523.3	5,383.8	-393.0	-941.0	KOP #2
	6,648.7	6,100.0	-1,109.6	-931.8	End of Build
	6,648.7	6,100.0	-1,109.6	-931.8	Isolation Packer



Condor Energy

SEC.18-T6N-R60W

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

Wickstrom 18-4H

Wellbore #1

Plan #2 (1-7-14)

Anticollision Report

07 January, 2014

Wickstrom 18-2H Pad Sec.18-T6N-R60W - Dyer Group #2 (P&A) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 6200-UNKNOWN													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)			
1,700.0	1,693.1	1,693.9	1,693.9	3.9	33.9	5.06	-309.7	-942.9	907.6	871.2	36.40	24.933		
1,800.0	1,789.6	1,790.4	1,790.4	4.4	35.8	5.25	-309.7	-942.9	881.8	843.7	38.17	23.101		
1,900.0	1,885.4	1,886.2	1,886.2	4.8	37.7	5.46	-309.7	-942.9	853.2	813.1	40.08	21.287		
2,000.0	1,981.1	1,981.9	1,981.9	5.4	39.6	5.65	-309.7	-942.9	824.1	782.0	42.17	19.543		
2,100.0	2,076.7	2,077.5	2,077.5	5.9	41.6	5.86	-309.7	-942.9	795.1	750.9	44.27	17.960		
2,200.0	2,172.4	2,173.2	2,173.2	6.5	43.5	6.08	-309.7	-942.9	766.1	719.7	46.38	16.519		
2,300.0	2,268.0	2,268.8	2,268.8	7.0	45.4	6.32	-309.7	-942.9	737.1	688.6	48.49	15.202		
2,400.0	2,363.7	2,364.5	2,364.5	7.6	47.3	6.58	-309.7	-942.9	708.1	657.5	50.61	13.993		
2,500.0	2,459.4	2,460.2	2,460.2	8.2	49.2	6.86	-309.7	-942.9	679.2	626.4	52.73	12.880		
2,600.0	2,555.0	2,555.8	2,555.8	8.8	51.1	7.17	-309.7	-942.9	650.2	595.4	54.86	11.853		
2,700.0	2,650.7	2,651.5	2,651.5	9.4	53.0	7.50	-309.7	-942.9	621.3	564.3	56.99	10.901		
2,800.0	2,746.3	2,747.1	2,747.1	10.0	54.9	7.87	-309.7	-942.9	592.4	533.3	59.13	10.018		
2,900.0	2,842.0	2,842.8	2,842.8	10.6	56.9	8.27	-309.7	-942.9	563.5	502.2	61.28	9.196		
3,000.0	2,937.6	2,938.4	2,938.4	11.2	58.8	8.72	-309.7	-942.9	534.6	471.2	63.43	8.429		
3,100.0	3,033.3	3,034.1	3,034.1	11.8	60.7	9.22	-309.7	-942.9	505.8	440.2	65.59	7.712		
3,200.0	3,129.0	3,129.8	3,129.8	12.4	62.6	9.78	-309.7	-942.9	477.0	409.3	67.75	7.041		
3,300.0	3,224.6	3,225.4	3,225.4	13.0	64.5	10.42	-309.7	-942.9	448.3	378.4	69.93	6.411		
3,400.0	3,320.3	3,321.1	3,321.1	13.6	66.4	11.13	-309.7	-942.9	419.6	347.5	72.12	5.818		
3,500.0	3,415.9	3,416.7	3,416.7	14.2	68.3	11.96	-309.7	-942.9	391.0	316.7	74.33	5.260		
3,600.0	3,511.6	3,512.4	3,512.4	14.8	70.2	12.91	-309.7	-942.9	362.5	285.9	76.56	4.734		
3,700.0	3,607.2	3,608.0	3,608.0	15.5	72.2	14.02	-309.7	-942.9	334.1	255.2	78.82	4.238		
3,800.0	3,702.9	3,703.7	3,703.7	16.1	74.1	15.34	-309.7	-942.9	305.8	224.7	81.12	3.769		
3,900.0	3,798.6	3,799.4	3,799.4	16.7	76.0	16.93	-309.7	-942.9	277.7	194.2	83.48	3.327		
4,000.0	3,894.2	3,895.0	3,895.0	17.3	77.9	18.87	-309.7	-942.9	249.8	163.9	85.91	2.908		
4,100.0	3,989.9	3,990.7	3,990.7	17.9	79.8	21.29	-309.7	-942.9	222.3	133.9	88.46	2.513		
4,200.0	4,085.5	4,086.3	4,086.3	18.6	81.7	24.37	-309.7	-942.9	195.3	104.1	91.18	2.142		
4,300.0	4,181.2	4,182.0	4,182.0	19.2	83.6	28.41	-309.7	-942.9	168.9	74.8	94.16	1.794		
4,400.0	4,276.8	4,277.6	4,277.6	19.8	85.6	33.88	-309.7	-942.9	143.7	46.1	97.53	1.473	Level 3	
4,500.0	4,372.5	4,373.3	4,373.3	20.4	87.5	41.48	-309.7	-942.9	120.2	18.6	101.53	1.184	Level 2	
4,600.0	4,468.7	4,469.5	4,469.5	20.9	89.4	51.22	-309.7	-942.9	100.9	-5.2	106.18	0.951	Level 1	
4,700.0	4,565.8	4,566.6	4,566.6	21.2	91.3	62.93	-309.7	-942.9	87.6	-23.0	110.63	0.792	Level 1	
4,800.0	4,663.7	4,664.5	4,664.5	21.6	93.3	75.63	-309.7	-942.9	80.2	-34.1	114.37	0.701	Level 1	
4,900.0	4,762.3	4,763.1	4,763.1	21.9	95.3	87.63	-309.7	-942.9	77.7	-39.5	117.16	0.663	Level 1	
4,921.8	4,783.8	4,784.6	4,784.6	22.0	95.7	90.00	-309.7	-942.9	77.6	-40.0	117.66	0.660	Level 1, CC	
5,000.0	4,861.3	4,862.1	4,862.1	22.2	97.2	97.50	-309.7	-942.9	78.3	-40.9	119.25	0.657	Level 1	
5,100.0	4,960.8	4,961.6	4,961.6	22.4	99.2	104.66	-309.7	-942.9	80.3	-40.8	121.07	0.663	Level 1	
5,200.0	5,060.6	5,061.4	5,061.4	22.6	101.2	109.15	-309.7	-942.9	82.2	-40.7	122.90	0.669	Level 1	
5,300.0	5,160.5	5,161.3	5,161.3	22.7	103.2	111.20	-309.7	-942.9	83.3	-41.6	124.85	0.667	Level 1	
5,400.0	5,260.5	5,261.3	5,261.3	22.8	105.2	-1.29	-309.7	-942.9	83.4	-43.5	126.86	0.657	Level 1	
5,500.0	5,360.5	5,361.3	5,361.3	22.9	107.2	-1.29	-309.7	-942.9	83.4	-45.6	128.97	0.646	Level 1, ES, SF	
5,600.0	5,460.4	5,461.2	5,461.2	23.0	109.2	179.47	-309.7	-942.9	87.5	-43.0	130.46	0.671	Level 1	
5,700.0	5,558.7	5,559.5	5,559.5	23.2	111.2	179.55	-309.7	-942.9	105.1	-24.3	129.37	0.812	Level 1	
5,800.0	5,653.7	5,654.5	5,654.5	23.5	113.1	179.64	-309.7	-942.9	136.2	10.6	125.62	1.084	Level 2	
5,900.0	5,743.4	5,744.2	5,744.2	23.9	114.9	179.70	-309.7	-942.9	180.2	61.0	119.20	1.512		
6,000.0	5,826.1	5,826.9	5,826.9	24.3	116.5	179.75	-309.7	-942.9	236.3	126.1	110.18	2.144		
6,100.0	5,900.2	5,901.0	5,901.0	24.8	118.0	179.78	-309.7	-942.9	303.3	204.6	98.72	3.072		
6,200.0	5,964.2	5,965.0	5,965.0	25.5	119.3	179.79	-309.7	-942.9	380.0	294.9	85.06	4.467		
6,300.0	6,017.0	6,017.8	6,017.8	26.3	120.4	179.79	-309.7	-942.9	464.9	395.3	69.57	6.682		
6,400.0	6,057.4	6,058.2	6,058.2	27.2	121.2	179.76	-309.7	-942.9	556.2	503.6	52.68	10.558		
6,500.0	6,084.7	6,085.5	6,085.5	28.2	121.7	179.66	-309.7	-942.9	652.4	617.4	34.99	18.642		
6,600.0	6,098.4	6,099.2	6,099.2	29.3	122.0	179.09	-309.7	-942.9	751.3	734.0	17.36	43.281		
6,700.0	6,100.0	6,100.8	6,100.8	30.5	122.0	-90.00	-309.7	-942.9	851.3	703.6	147.65	5.765		

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Offset Design Wickstrom 18-2H Pad Sec.18-T6N-R60W - Dyer Group #2 (P&A) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 6200-UNKNOWN												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
6,800.0	6,100.0	6,100.8	6,100.8	31.8	122.0	-90.00	-309.7	-942.9	951.3	802.1	149.24	6.374	

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Offset Design Wickstrom 18-2H Pad Sec.18-T6N-R60W - Furrow #19-13 (DA) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 ft
Survey Program: 6200-UNKNOWN												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	
14,300.0	6,100.0	6,100.8	6,100.8	168.7	122.0	-90.00	-9,537.8	-272.7	953.0	663.1	289.99	3.286	
14,400.0	6,100.0	6,100.8	6,100.8	170.6	122.0	-90.00	-9,537.8	-272.7	872.5	580.6	291.91	2.989	
14,494.8	6,100.0	6,100.8	6,100.8	172.4	122.0	-90.00	-9,537.8	-272.7	800.1	506.4	293.73	2.724 CC, ES, SF	

Wickstrom 18-2H Pad Sec.18-T6N-R60W - Wickstrom 18-1H - Wellbore #1 - Plan #2 (7-24-13)												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
0.0	0.0	0.8	0.8	0.0	0.0	0.00	32.8	0.0	32.8	32.8	0.00	N/A	
100.0	100.0	100.8	100.8	0.1	0.1	0.00	32.8	0.0	32.8	32.6	0.23	144.721	
200.0	200.0	200.8	200.8	0.3	0.3	0.00	32.8	0.0	32.8	32.1	0.68	48.497	
300.0	300.0	300.8	300.8	0.6	0.6	0.00	32.8	0.0	32.8	31.7	1.13	29.129	
400.0	400.0	400.8	400.8	0.8	0.8	0.00	32.8	0.0	32.8	31.2	1.58	20.816	
500.0	500.0	500.8	500.8	1.0	1.0	0.00	32.8	0.0	32.8	30.8	2.02	16.194	
600.0	600.0	600.8	600.8	1.2	1.2	0.00	32.8	0.0	32.8	30.3	2.47	13.252	
700.0	700.0	700.8	700.8	1.5	1.5	0.00	32.8	0.0	32.8	29.9	2.92	11.215	
800.0	800.0	800.8	800.8	1.7	1.7	0.00	32.8	0.0	32.8	29.4	3.37	9.720	
900.0	900.0	900.8	900.8	1.9	1.9	0.00	32.8	0.0	32.8	29.0	3.82	8.577	
1,000.0	1,000.0	1,000.8	1,000.8	2.1	2.1	0.00	32.8	0.0	32.8	28.5	4.27	7.675 CC, ES	
1,100.0	1,100.0	1,100.8	1,100.8	2.3	2.4	115.41	32.8	0.0	33.5	28.8	4.70	7.123	
1,200.0	1,199.8	1,200.6	1,200.6	2.5	2.6	122.89	32.8	0.0	36.1	30.9	5.12	7.041 SF	
1,300.0	1,299.5	1,300.2	1,300.2	2.7	2.8	130.53	33.4	-1.6	41.5	35.9	5.54	7.488	
1,400.0	1,398.7	1,399.8	1,399.7	3.0	3.0	135.08	35.2	-6.6	49.7	43.8	5.96	8.347	
1,500.0	1,497.5	1,499.4	1,498.8	3.3	3.2	137.19	38.1	-14.7	60.5	54.1	6.40	9.447	
1,600.0	1,595.6	1,598.7	1,597.4	3.6	3.5	137.70	42.2	-26.1	73.5	66.6	6.88	10.679	
1,700.0	1,693.1	1,697.8	1,695.3	3.9	3.7	137.27	47.4	-40.6	88.8	81.4	7.42	11.963	
1,800.0	1,789.6	1,796.6	1,792.3	4.4	4.0	136.32	53.8	-58.2	106.2	98.2	8.03	13.229	
1,900.0	1,885.4	1,894.9	1,888.1	4.8	4.4	135.10	61.3	-78.8	125.6	116.8	8.74	14.366	
2,000.0	1,981.1	1,993.0	1,983.4	5.4	4.8	133.94	69.1	-100.5	145.2	135.6	9.53	15.231	
2,100.0	2,076.7	2,091.0	2,078.7	5.9	5.2	133.05	76.9	-122.2	164.8	154.4	10.36	15.906	
2,200.0	2,172.4	2,189.0	2,174.0	6.5	5.6	132.35	84.8	-143.9	184.5	173.2	11.22	16.438	
2,300.0	2,268.0	2,287.0	2,269.3	7.0	6.0	131.78	92.6	-165.5	204.1	192.0	12.11	16.861	
2,400.0	2,363.7	2,385.1	2,364.5	7.6	6.4	131.32	100.4	-187.2	223.8	210.8	13.01	17.201	
2,500.0	2,459.4	2,483.1	2,459.8	8.2	6.9	130.93	108.3	-208.9	243.5	229.6	13.93	17.478	
2,600.0	2,555.0	2,581.1	2,555.1	8.8	7.3	130.60	116.1	-230.6	263.3	248.4	14.87	17.705	
2,700.0	2,650.7	2,679.1	2,650.4	9.4	7.8	130.31	123.9	-252.2	283.0	267.2	15.82	17.894	

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Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Offset Design Wickstrom 18-2H Pad Sec.18-T6N-R60W - Wickstrom 18-1H - Wellbore #1 - Plan #2 (7-24-13)												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	5,060.6	5,144.8	5,061.4	22.6	18.1	131.22	288.9	-709.0	718.1	681.1	36.97	19.424	
5,300.0	5,160.5	5,244.8	5,161.3	22.7	18.2	131.44	288.9	-709.0	720.1	682.9	37.20	19.360	
5,400.0	5,260.5	5,344.8	5,261.3	22.8	18.4	18.79	288.9	-709.0	720.3	683.0	37.32	19.301	
5,500.0	5,360.5	5,444.8	5,361.3	22.9	18.5	18.79	288.9	-709.0	720.3	682.7	37.58	19.166	
5,600.0	5,460.4	5,500.0	5,416.5	23.0	18.6	-160.37	289.7	-709.0	726.3	688.5	37.79	19.220	
5,700.0	5,558.7	5,550.0	5,466.4	23.2	18.7	-160.00	293.7	-709.2	751.1	713.9	37.22	20.178	
5,800.0	5,653.7	5,600.0	5,515.8	23.5	18.8	-159.32	301.2	-709.5	794.1	758.0	36.02	22.046	
5,900.0	5,743.4	5,650.0	5,564.6	23.9	18.9	-158.21	312.1	-709.9	853.3	819.1	34.26	24.909	
6,000.0	5,826.1	5,667.7	5,581.7	24.3	19.0	-155.42	316.8	-710.1	925.6	893.7	31.95	28.972	

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 216-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	6.7	6.7	0.0	0.0	0.00	61.9	0.0	61.9	61.9	0.01	8,033.506 CC		
100.0	100.0	106.5	106.5	0.1	0.1	-0.11	62.1	-0.1	62.1	61.9	0.23	267.590		
200.0	200.0	206.3	206.2	0.3	0.2	-0.40	62.7	-0.4	62.7	62.1	0.57	110.138		
300.0	300.0	306.3	306.3	0.6	0.4	-0.75	63.3	-0.8	63.4	62.4	0.99	63.985		
400.0	400.0	406.4	406.4	0.8	0.6	-0.97	63.9	-1.1	63.9	62.5	1.42	44.973		
500.0	500.0	506.6	506.6	1.0	0.8	-1.05	64.2	-1.2	64.2	62.4	1.85	34.671		
600.0	600.0	606.9	606.9	1.2	1.1	-0.70	64.1	-0.8	64.2	61.9	2.29	28.043		
700.0	700.0	707.2	707.2	1.5	1.3	0.16	63.6	0.2	63.6	60.9	2.72	23.361		
800.0	800.0	807.1	807.0	1.7	1.5	1.39	62.9	1.5	62.9	59.7	3.16	19.912		
900.0	900.0	906.8	906.8	1.9	1.7	2.72	62.5	3.0	62.6	59.0	3.60	17.402		
934.8	934.8	941.6	941.5	2.0	1.8	3.21	62.5	3.5	62.6	58.8	3.75	16.690		
1,000.0	1,000.0	1,006.5	1,006.5	2.1	1.9	4.09	62.5	4.5	62.7	58.6	4.03	15.543 ES		
1,100.0	1,100.0	1,106.1	1,106.0	2.3	2.1	118.79	63.1	5.3	64.2	59.7	4.45	14.431		
1,200.0	1,199.8	1,205.5	1,205.5	2.5	2.3	122.35	64.4	5.2	68.1	63.3	4.85	14.051		
1,300.0	1,299.5	1,305.2	1,305.1	2.7	2.5	127.09	66.1	4.4	74.6	69.4	5.26	14.192		
1,400.0	1,398.7	1,404.6	1,404.5	3.0	2.7	132.68	67.7	3.4	83.7	78.1	5.68	14.752		
1,500.0	1,497.5	1,503.6	1,503.5	3.3	2.9	138.45	69.2	2.3	95.9	89.8	6.10	15.725		
1,600.0	1,595.6	1,601.8	1,601.7	3.6	3.1	144.23	70.3	1.7	111.5	105.0	6.52	17.115		
1,700.0	1,693.1	1,699.1	1,699.0	3.9	3.3	149.68	70.8	1.8	131.1	124.2	6.93	18.919		
1,800.0	1,789.6	1,796.9	1,796.8	4.4	3.5	154.63	70.5	2.5	154.3	147.0	7.33	21.043		
1,900.0	1,885.4	1,892.1	1,891.9	4.8	3.7	158.62	69.9	2.9	180.8	173.0	7.75	23.322		
2,000.0	1,981.1	1,984.5	1,984.4	5.4	3.9	161.20	70.9	2.7	208.9	200.7	8.20	25.487		
2,100.0	2,076.7	2,077.2	2,077.0	5.9	4.1	162.72	74.5	2.8	239.2	230.5	8.66	27.633		
2,200.0	2,172.4	2,171.5	2,171.3	6.5	4.3	163.93	78.2	3.0	269.7	260.6	9.12	29.571		
2,300.0	2,268.0	2,262.8	2,262.4	7.0	4.5	164.60	83.3	3.0	301.2	291.6	9.59	31.403		
2,400.0	2,363.7	2,351.7	2,350.9	7.6	4.7	164.85	90.3	3.1	334.0	323.9	10.07	33.156		
2,500.0	2,459.4	2,441.7	2,440.5	8.2	4.9	164.86	99.5	3.9	368.7	358.1	10.57	34.883		
2,600.0	2,555.0	2,535.5	2,533.8	8.8	5.2	164.87	108.8	4.5	403.1	392.0	11.07	36.406		
2,700.0	2,650.7	2,622.8	2,620.6	9.4	5.4	164.83	118.5	5.9	438.9	427.3	11.57	37.929		
2,800.0	2,746.3	2,719.3	2,716.4	10.0	5.6	164.73	129.7	7.2	474.8	462.7	12.10	39.252		
2,900.0	2,842.0	2,812.9	2,809.4	10.6	5.8	164.62	140.2	7.8	510.0	497.3	12.62	40.418		
3,000.0	2,937.6	2,900.3	2,896.2	11.2	6.1	164.52	150.9	9.2	546.4	533.2	13.13	41.607		
3,100.0	3,033.3	3,006.3	3,001.4	11.8	6.3	164.38	163.5	9.9	581.9	568.2	13.69	42.501		
3,200.0	3,129.0	3,102.9	3,097.5	12.4	6.6	164.32	173.5	9.5	615.7	601.5	14.23	43.281		
3,300.0	3,224.6	3,191.5	3,185.6	13.0	6.8	164.28	183.0	9.7	650.3	635.6	14.75	44.089		
3,400.0	3,320.3	3,284.1	3,277.6	13.6	7.0	164.21	193.4	10.0	685.2	669.9	15.29	44.811		
3,500.0	3,415.9	3,374.8	3,367.7	14.2	7.3	164.13	204.0	10.3	720.4	704.6	15.83	45.499		
3,600.0	3,511.6	3,465.4	3,457.6	14.8	7.5	164.06	214.8	11.0	756.0	739.7	16.38	46.166		
3,700.0	3,607.2	3,558.0	3,549.5	15.5	7.8	163.96	226.1	11.6	791.8	774.9	16.93	46.772		
3,800.0	3,702.9	3,649.0	3,639.8	16.1	8.0	163.89	237.3	12.4	827.8	810.3	17.48	47.365		
3,900.0	3,798.6	3,743.3	3,733.4	16.7	8.3	163.80	249.2	13.3	863.9	845.9	18.04	47.900		
4,000.0	3,894.2	3,845.1	3,834.4	17.3	8.6	163.75	261.3	14.1	899.6	881.0	18.61	48.351		
4,100.0	3,989.9	3,948.9	3,937.7	17.9	8.8	163.78	271.9	14.6	934.1	914.9	19.17	48.735		
4,200.0	4,085.5	4,046.6	4,035.0	18.6	9.1	163.85	281.0	15.1	967.9	948.2	19.71	49.109		
6,000.0	5,826.1	6,699.7	6,097.6	24.3	18.4	-96.60	-603.5	1.0	978.3	943.6	34.72	28.179		
6,100.0	5,900.2	6,761.6	6,094.1	24.8	19.1	-95.52	-665.2	-1.7	956.5	920.1	36.42	26.262		
6,200.0	5,964.2	6,832.9	6,090.7	25.5	19.9	-93.84	-736.4	-4.6	941.4	902.9	38.47	24.472		
6,300.0	6,017.0	6,889.0	6,088.9	26.3	20.6	-92.69	-792.4	-6.7	931.8	891.4	40.41	23.060		
6,400.0	6,057.4	6,952.0	6,088.8	27.2	21.4	-91.40	-855.4	-6.8	928.5	885.9	42.60	21.796		
6,500.0	6,084.7	7,076.3	6,089.4	28.2	23.1	-89.50	-979.7	-8.0	925.8	880.0	45.79	20.219		
6,600.0	6,098.4	7,172.0	6,089.9	29.3	24.4	-88.95	-1,075.4	-9.7	923.0	874.4	48.54	19.013		
6,700.0	6,100.0	7,277.3	6,092.6	30.5	25.9	-89.12	-1,180.6	-11.2	920.1	868.7	51.47	17.878		

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

Wickstrom 18-2H Pad Sec.18-T6N-R60W - Wickstrom 18-2H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 216-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	
6,800.0	6,100.0	7,411.7	6,098.5	31.8	27.9	-89.48	-1,314.8	-17.1	914.1	859.1	55.06	16.601		
6,900.0	6,100.0	7,516.6	6,103.4	33.2	29.6	-89.79	-1,419.3	-23.3	906.8	848.4	58.39	15.529		
7,000.0	6,100.0	7,616.2	6,105.0	34.6	31.2	-89.89	-1,518.7	-30.0	898.6	836.9	61.71	14.563		
7,100.0	6,100.0	7,707.9	6,105.1	36.1	32.8	-89.90	-1,610.2	-35.4	891.3	826.4	64.94	13.725		
7,200.0	6,100.0	7,804.9	6,104.3	37.6	34.4	-89.84	-1,707.1	-40.6	884.6	816.3	68.27	12.958		
7,300.0	6,100.0	7,901.0	6,104.0	39.2	35.9	-89.82	-1,803.1	-45.5	878.0	806.5	71.57	12.269		
7,400.0	6,100.0	7,995.3	6,103.2	40.7	37.5	-89.77	-1,897.3	-49.7	872.2	797.3	74.87	11.649		
7,500.0	6,100.0	8,098.1	6,102.9	42.4	39.1	-89.75	-2,000.0	-54.0	866.6	788.3	78.31	11.066		
7,600.0	6,100.0	8,223.3	6,103.2	44.0	41.2	-89.77	-2,125.0	-61.2	859.5	777.4	82.13	10.465		
7,700.0	6,100.0	8,323.0	6,101.3	45.7	42.9	-89.63	-2,224.4	-68.8	850.5	764.8	85.62	9.933		
7,800.0	6,100.0	8,407.9	6,097.8	47.4	44.4	-89.39	-2,308.9	-74.5	842.4	753.5	88.88	9.477		
7,900.0	6,100.0	8,486.4	6,095.3	49.1	45.7	-89.22	-2,387.3	-78.1	836.5	744.5	92.01	9.091		
8,000.0	6,100.0	8,585.0	6,094.6	50.8	47.3	-89.16	-2,485.9	-80.8	832.3	736.9	95.46	8.719		
8,100.0	6,100.0	8,715.8	6,097.1	52.5	49.5	-89.33	-2,616.5	-87.4	825.8	726.3	99.48	8.301		
8,200.0	6,100.0	8,813.9	6,098.8	54.3	51.2	-89.44	-2,714.4	-93.8	817.8	714.8	103.01	7.939		
8,300.0	6,100.0	8,914.6	6,100.6	56.1	52.9	-89.57	-2,814.8	-100.6	809.7	703.1	106.59	7.596		
8,400.0	6,100.0	9,010.1	6,101.0	57.8	54.6	-89.59	-2,910.1	-106.7	801.8	691.7	110.10	7.283		
8,500.0	6,100.0	9,105.8	6,100.8	59.6	56.2	-89.57	-3,005.7	-112.3	794.5	680.9	113.63	6.993		
8,600.0	6,100.0	9,215.2	6,098.4	61.4	58.1	-89.39	-3,114.8	-118.8	787.2	669.8	117.38	6.707		
8,700.0	6,100.0	9,333.2	6,096.8	63.2	60.2	-89.27	-3,232.4	-128.4	777.7	656.5	121.25	6.414		
8,800.0	6,100.0	9,427.5	6,095.3	65.0	61.8	-89.14	-3,326.4	-136.9	767.3	642.5	124.76	6.150		
8,900.0	6,100.0	9,512.9	6,093.4	66.9	63.3	-88.99	-3,411.5	-143.5	758.2	630.1	128.11	5.918		
9,000.0	6,100.0	9,599.0	6,091.8	68.7	64.8	-88.86	-3,497.5	-148.6	751.0	619.6	131.46	5.713		
9,100.0	6,100.0	9,683.2	6,091.0	70.5	66.2	-88.79	-3,581.6	-151.8	745.7	610.9	134.77	5.533		
9,200.0	6,100.0	9,803.6	6,090.6	72.3	68.3	-88.75	-3,701.9	-156.1	740.9	602.2	138.73	5.341		
9,300.0	6,100.0	9,944.1	6,090.5	74.2	70.7	-88.72	-3,841.8	-168.4	730.6	587.6	143.00	5.109		
9,400.0	6,100.0	10,048.3	6,091.6	76.0	72.5	-88.79	-3,945.3	-180.7	717.4	570.7	146.68	4.891		
9,500.0	6,100.0	10,142.3	6,092.4	77.9	74.2	-88.82	-4,038.7	-191.5	704.4	554.2	150.23	4.689		
9,600.0	6,100.0	10,236.0	6,091.9	79.7	75.9	-88.77	-4,131.8	-201.5	692.4	538.6	153.78	4.502		
9,700.0	6,100.0	10,322.0	6,090.9	81.6	77.4	-88.67	-4,217.4	-209.7	681.5	524.3	157.19	4.335		
9,800.0	6,100.0	10,412.2	6,089.7	83.4	79.0	-88.55	-4,307.4	-216.4	672.6	512.0	160.67	4.186		
9,900.0	6,100.0	10,493.8	6,087.9	85.3	80.4	-88.38	-4,388.8	-221.4	665.2	501.2	163.99	4.056		
10,000.0	6,100.0	10,570.5	6,087.7	87.2	81.8	-88.36	-4,465.5	-223.2	661.5	494.3	167.23	3.956		
10,100.0	6,100.0	10,659.2	6,091.1	89.0	83.3	-88.65	-4,554.1	-222.7	660.5	489.8	170.69	3.869		
10,200.0	6,100.0	10,768.1	6,093.7	90.9	85.2	-88.87	-4,662.9	-222.0	659.6	485.1	174.53	3.780		
10,300.0	6,100.0	10,883.3	6,094.2	92.8	87.3	-88.91	-4,778.1	-223.9	656.6	478.1	178.46	3.679		
10,400.0	6,100.0	10,976.7	6,092.8	94.6	88.9	-88.78	-4,871.5	-226.3	652.6	470.6	182.01	3.586		
10,500.0	6,100.0	11,069.9	6,090.5	96.5	90.6	-88.58	-4,964.7	-227.3	650.2	464.6	185.55	3.504		
10,596.4	6,100.0	11,153.0	6,089.4	98.3	92.0	-88.47	-5,047.7	-227.2	649.0	460.2	188.82	3.437		
10,600.0	6,100.0	11,156.0	6,089.4	98.4	92.1	-88.47	-5,050.7	-227.2	649.0	460.1	188.94	3.435		
10,700.0	6,100.0	11,275.5	6,089.9	100.3	94.2	-88.51	-5,170.2	-226.2	648.6	455.7	192.93	3.362		
10,800.0	6,100.0	11,378.2	6,092.4	102.2	95.9	-88.73	-5,272.9	-227.8	645.5	448.9	196.63	3.283		
10,900.0	6,100.0	11,511.1	6,101.8	104.0	98.2	-89.56	-5,405.3	-232.9	640.3	439.4	200.90	3.187		
11,000.0	6,100.0	11,627.8	6,105.8	105.9	100.3	-89.92	-5,521.5	-243.5	629.7	424.8	204.86	3.074		
11,100.0	6,100.0	11,731.7	6,105.6	107.8	102.1	-89.90	-5,624.8	-253.9	618.2	409.7	208.58	2.964		
11,200.0	6,100.0	11,837.2	6,105.0	109.7	103.9	-89.84	-5,729.7	-265.6	605.8	393.5	212.31	2.853		
11,300.0	6,100.0	11,924.3	6,104.9	111.6	105.4	-89.83	-5,816.3	-274.6	594.0	378.3	215.71	2.754		
11,400.0	6,100.0	12,021.3	6,104.8	113.5	107.1	-89.82	-5,912.9	-283.7	583.3	363.9	219.33	2.659		
11,500.0	6,100.0	12,110.0	6,103.0	115.4	108.7	-89.63	-6,001.3	-290.5	574.1	351.3	222.81	2.577		
11,600.0	6,100.0	12,203.0	6,101.7	117.3	110.4	-89.50	-6,094.1	-296.4	566.4	340.1	226.34	2.502		
11,700.0	6,100.0	12,295.0	6,103.5	119.2	111.9	-89.67	-6,185.9	-300.8	560.1	330.2	229.85	2.437		
11,800.0	6,100.0	12,381.6	6,106.5	121.1	113.5	-89.98	-6,272.5	-303.4	555.7	322.4	233.29	2.382		

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Wickstrom 18-2H Pad Sec.18-T6N-R60W - Wickstrom 18-2H - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 ft
Survey Program: 216-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
11,900.0	6,100.0	12,476.4	6,109.9	123.0	115.2	-90.33	-6,367.2	-305.0	552.5	315.6	236.91	2.332	
12,000.0	6,100.0	12,583.0	6,113.8	124.9	117.0	-90.74	-6,473.7	-307.0	549.3	308.6	240.71	2.282	
12,100.0	6,100.0	12,684.4	6,116.5	126.8	118.8	-91.03	-6,575.1	-309.7	545.3	300.9	244.42	2.231	
12,200.0	6,100.0	12,781.9	6,117.9	128.7	120.6	-91.19	-6,672.4	-312.1	541.4	293.3	248.09	2.182	
12,300.0	6,100.0	12,880.6	6,119.2	130.6	122.4	-91.33	-6,771.1	-314.0	538.1	286.3	251.77	2.137	
12,400.0	6,100.0	12,999.0	6,118.6	132.5	124.5	-91.28	-6,889.5	-318.0	533.3	277.5	255.78	2.085	
12,500.0	6,100.0	13,116.6	6,116.8	134.4	126.5	-91.10	-7,006.7	-326.8	524.4	264.6	259.74	2.019	
12,600.0	6,100.0	13,220.4	6,116.0	136.3	128.3	-91.04	-7,110.1	-336.5	513.6	250.1	263.44	1.950	
12,700.0	6,100.0	13,317.6	6,116.3	138.2	130.0	-91.10	-7,206.9	-345.8	502.6	235.6	267.04	1.882	
12,800.0	6,100.0	13,417.1	6,115.5	140.1	131.8	-91.03	-7,305.8	-355.0	492.0	221.3	270.73	1.817	
12,900.0	6,100.0	13,511.0	6,113.6	142.0	133.5	-90.82	-7,399.4	-362.9	482.1	207.7	274.32	1.757	
13,000.0	6,100.0	13,597.8	6,111.7	143.9	135.0	-90.61	-7,486.0	-368.6	474.1	196.3	277.78	1.707	
13,100.0	6,100.0	13,680.3	6,110.7	145.8	136.5	-90.48	-7,568.4	-371.6	469.0	187.8	281.16	1.668	
13,200.0	6,100.0	13,774.2	6,110.4	147.7	138.1	-90.45	-7,662.4	-372.4	466.8	182.0	284.76	1.639	
13,300.0	6,100.0	13,874.4	6,109.1	149.6	140.0	-90.30	-7,762.6	-372.8	464.9	176.4	288.48	1.612	
13,400.0	6,100.0	13,970.9	6,107.2	151.5	141.7	-90.06	-7,859.0	-372.9	463.3	171.2	292.14	1.586	
13,500.0	6,100.0	14,079.9	6,104.3	153.4	143.6	-89.70	-7,968.0	-373.6	461.3	165.4	295.99	1.559	
13,600.0	6,100.0	14,190.9	6,101.7	155.3	145.6	-89.37	-8,078.9	-376.8	457.0	157.2	299.82	1.524	
13,700.0	6,100.0	14,294.7	6,097.8	157.2	147.4	-88.86	-8,182.5	-382.0	450.6	147.1	303.51	1.485 Level 3	
13,800.0	6,100.0	14,390.8	6,094.0	159.1	149.1	-88.37	-8,278.4	-386.2	444.9	137.9	307.04	1.449 Level 3	
13,900.0	6,100.0	14,495.6	6,090.5	161.1	150.9	-87.88	-8,383.1	-391.1	439.0	128.3	310.69	1.413 Level 3	
14,000.0	6,100.0	14,592.4	6,088.2	163.0	152.6	-87.54	-8,479.7	-396.4	432.2	118.0	314.20	1.376 Level 3	
14,100.0	6,100.0	14,686.4	6,088.3	164.9	154.3	-87.53	-8,573.6	-399.7	427.3	109.5	317.76	1.345 Level 3	
14,128.1	6,100.0	14,695.0	6,088.4	165.4	154.4	-87.53	-8,582.2	-400.0	426.4	108.0	318.46	1.339 Level 3, SF	
14,200.0	6,100.0	14,695.0	6,088.4	166.8	154.4	-87.53	-8,582.2	-400.0	432.4	112.6	319.84	1.352 Level 3	
14,300.0	6,100.0	14,695.0	6,088.4	168.7	154.4	-87.53	-8,582.2	-400.0	459.8	138.0	321.75	1.429 Level 3	
14,400.0	6,100.0	14,695.0	6,088.4	170.6	154.4	-87.53	-8,582.2	-400.0	505.7	182.1	323.67	1.562	
14,494.8	6,100.0	14,695.0	6,088.4	172.4	154.4	-87.53	-8,582.2	-400.0	562.4	236.9	325.49	1.728	

Wickstrom 18-2H Pad Sec.18-T6N-R60W - Wickstrom 18-3H - Wellbore #1 - Plan #1 (7-24-13)													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	
0.0	0.0	1.0	1.0	0.0	0.0	0.00	91.1	0.0	91.1	91.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	0.00	91.1	0.0	91.1	90.9	0.23	401.207		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	91.1	0.0	91.1	90.4	0.68	134.624		
300.0	300.0	301.0	301.0	0.6	0.6	0.00	91.1	0.0	91.1	90.0	1.13	80.882		
400.0	400.0	401.0	401.0	0.8	0.8	0.00	91.1	0.0	91.1	89.5	1.58	57.806		
500.0	500.0	501.0	501.0	1.0	1.0	0.00	91.1	0.0	91.1	89.1	2.03	44.974		
600.0	600.0	601.0	601.0	1.2	1.2	0.00	91.1	0.0	91.1	88.6	2.47	36.805		
700.0	700.0	701.0	701.0	1.5	1.5	0.00	91.1	0.0	91.1	88.2	2.92	31.147		
800.0	800.0	801.0	801.0	1.7	1.7	0.00	91.1	0.0	91.1	87.7	3.37	26.997		
900.0	900.0	901.0	901.0	1.9	1.9	0.00	91.1	0.0	91.1	87.3	3.82	23.822		
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	0.00	91.1	0.0	91.1	86.8	4.27	21.316 CC, ES		
1,100.0	1,100.0	1,101.0	1,101.0	2.3	2.4	113.66	91.1	0.0	91.8	87.1	4.70	19.510		
1,200.0	1,199.8	1,200.8	1,200.8	2.5	2.6	116.54	91.1	0.0	94.0	88.9	5.12	18.348		
1,300.0	1,299.5	1,300.5	1,300.5	2.7	2.8	121.01	91.1	0.0	98.2	92.6	5.55	17.687		
1,400.0	1,398.7	1,399.7	1,399.7	3.0	3.0	126.58	91.1	0.0	105.0	99.0	5.99	17.529 SF		
1,500.0	1,497.5	1,498.5	1,498.5	3.3	3.3	132.65	91.1	0.0	115.1	108.6	6.44	17.879		
1,600.0	1,595.6	1,596.6	1,596.6	3.6	3.5	138.67	91.1	0.0	128.9	122.0	6.88	18.725		
1,700.0	1,693.1	1,694.1	1,694.1	3.9	3.7	144.22	91.1	0.0	146.7	139.3	7.32	20.030		
1,800.0	1,789.6	1,790.6	1,790.6	4.4	3.9	149.10	91.1	0.0	168.5	160.8	7.75	21.736		
1,900.0	1,885.4	1,886.4	1,886.4	4.8	4.1	153.32	91.1	0.0	194.0	185.8	8.20	23.670		
2,000.0	1,981.1	1,982.1	1,982.1	5.4	4.3	156.70	91.1	0.0	220.6	212.0	8.66	25.488		
2,100.0	2,076.7	2,078.0	2,078.0	5.9	4.6	159.11	91.8	-0.8	247.8	238.7	9.12	27.163		
2,200.0	2,172.4	2,174.6	2,174.5	6.5	4.8	160.36	94.8	-3.8	275.0	265.4	9.60	28.636		
2,300.0	2,268.0	2,271.5	2,271.1	7.0	5.0	160.75	100.1	-9.1	302.1	292.0	10.11	29.885		
2,400.0	2,363.7	2,368.0	2,367.1	7.6	5.2	160.65	107.1	-16.2	329.1	318.4	10.64	30.933		
2,500.0	2,459.4	2,464.3	2,462.9	8.2	5.4	160.54	114.1	-23.3	356.0	344.8	11.18	31.848		
2,600.0	2,555.0	2,560.6	2,558.7	8.8	5.7	160.45	121.1	-30.3	382.9	371.2	11.73	32.654		
2,700.0	2,650.7	2,656.9	2,654.5	9.4	5.9	160.36	128.1	-37.4	409.9	397.6	12.28	33.367		
2,800.0	2,746.3	2,753.2	2,750.3	10.0	6.1	160.29	135.1	-44.5	436.8	423.9	12.85	34.000		
2,900.0	2,842.0	2,849.5	2,846.0	10.6	6.4	160.23	142.1	-51.6	463.7	450.3	13.42	34.565		
3,000.0	2,937.6	2,945.8	2,941.8	11.2	6.6	160.18	149.1	-58.7	490.6	476.7	13.99	35.070		
3,100.0	3,033.3	3,042.1	3,037.6	11.8	6.9	160.13	156.2	-65.8	517.6	503.0	14.57	35.524		
3,200.0	3,129.0	3,138.5	3,133.4	12.4	7.1	160.08	163.2	-72.9	544.5	529.3	15.15	35.933		
3,300.0	3,224.6	3,234.8	3,229.2	13.0	7.4	160.04	170.2	-80.0	571.4	555.7	15.74	36.304		
3,400.0	3,320.3	3,331.1	3,325.0	13.6	7.7	160.00	177.2	-87.0	598.4	582.0	16.33	36.640		
3,500.0	3,415.9	3,427.4	3,420.8	14.2	7.9	159.97	184.2	-94.1	625.3	608.4	16.92	36.946		
3,600.0	3,511.6	3,523.7	3,516.5	14.8	8.2	159.94	191.2	-101.2	652.2	634.7	17.52	37.225		
3,700.0	3,607.2	3,620.0	3,612.3	15.5	8.4	159.91	198.2	-108.3	679.2	661.0	18.12	37.481		
3,800.0	3,702.9	3,716.3	3,708.1	16.1	8.7	159.88	205.2	-115.4	706.1	687.4	18.72	37.717		
3,900.0	3,798.6	3,812.6	3,803.9	16.7	9.0	159.86	212.3	-122.5	733.0	713.7	19.32	37.933		
4,000.0	3,894.2	3,908.9	3,899.7	17.3	9.2	159.84	219.3	-129.6	760.0	740.0	19.93	38.133		
4,100.0	3,989.9	4,005.2	3,995.5	17.9	9.5	159.82	226.3	-136.7	786.9	766.3	20.54	38.318		
4,200.0	4,085.5	4,101.5	4,091.3	18.6	9.8	159.80	233.3	-143.8	813.8	792.7	21.14	38.489		
4,300.0	4,181.2	4,197.8	4,187.1	19.2	10.0	159.78	240.3	-150.8	840.8	819.0	21.75	38.648		
4,400.0	4,276.8	4,294.1	4,282.8	19.8	10.3	159.76	247.3	-157.9	867.7	845.3	22.37	38.796		
4,500.0	4,372.5	4,390.4	4,378.6	20.4	10.6	159.76	254.3	-165.0	894.6	871.6	22.98	38.927		
4,600.0	4,468.7	4,487.2	4,474.9	20.9	10.9	159.88	261.4	-172.1	919.7	896.1	23.61	38.949		
4,700.0	4,565.8	4,584.7	4,571.9	21.2	11.1	159.90	268.5	-179.3	941.6	917.4	24.23	38.867		
4,800.0	4,663.7	4,682.9	4,669.6	21.6	11.4	159.93	275.6	-186.6	960.3	935.5	24.82	38.694		
4,900.0	4,762.3	4,780.6	4,766.8	21.9	11.7	159.72	282.3	-193.2	975.9	950.5	25.35	38.490		
5,000.0	4,861.3	4,878.4	4,864.3	22.2	11.9	159.71	286.7	-197.7	988.3	962.5	25.79	38.327		
5,100.0	4,960.8	4,976.5	4,962.4	22.4	12.0	159.80	288.8	-199.8	997.7	971.5	26.14	38.164		

Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4711.8ft (RKB - 12.5')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Wickstrom 18-4H
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.88°



Company:	Condor Energy	Local Co-ordinate Reference:	Well Wickstrom 18-4H
Project:	SEC.18-T6N-R60W	TVD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Reference Site:	Wickstrom 18-2H Pad Sec.18-T6N-R60W	MD Reference:	WELL @ 4711.8ft (RKB - 12.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Wickstrom 18-4H	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 #2 (1-7-14)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4711.8ft (RKB - 12.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Wickstrom 18-4H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.88°

