Condor Energy

Well Name: **Schmidt 5-1H**

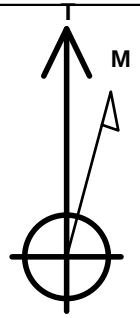
Surface Location: Schmidt 5-1H Pad Sec.5-T6N-R60W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4799.1

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1436571.06	3384186.95	40.523570	-104.117990	

Original Well Elev WELL @ 4811.6ft (Original Well Elev)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
HARDLINE 600' BHL	1.0	-4329.8	300.0	Polygon
HARDLINE 600' SHL	1.0	-300.1	300.0	Polygon
SECTION LINE	1.0	300.0	300.0	Polygon
SHL 300'FNL & 2506'FEL	1.0	0.0	0.0	Point
Landing Pt. 850'FNL & 2600'FEL	6178.0	-550.1	-94.5	Point
BHL 660'FSL & 2600'FEL	6182.0	-4269.8	-86.2	Point



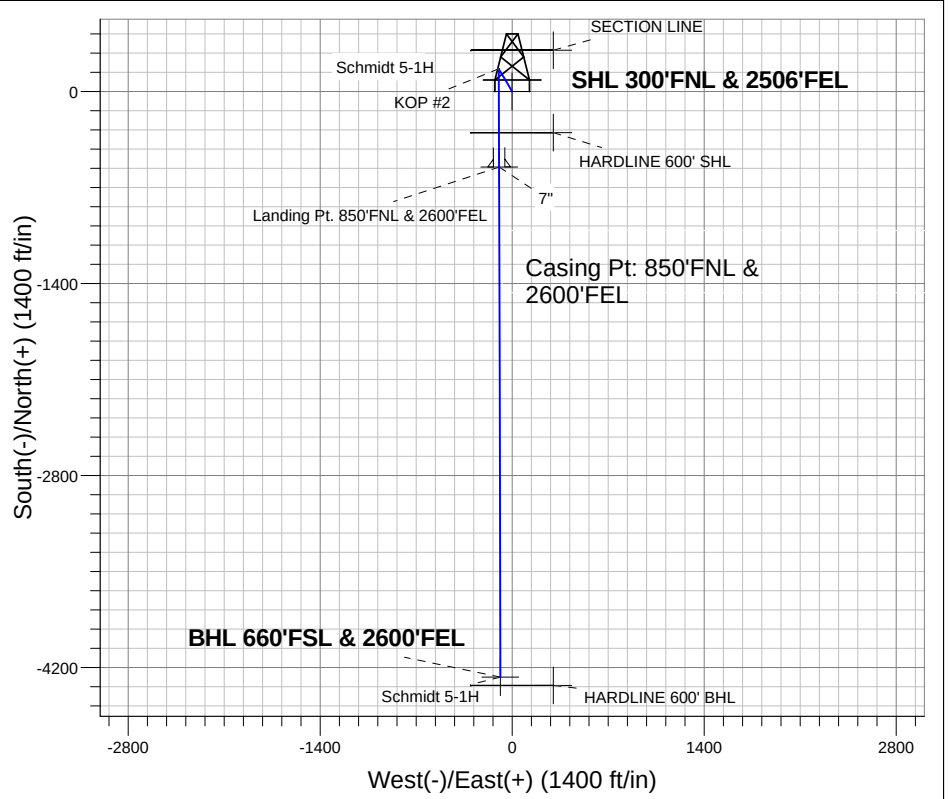
Azimuths to True North
Magnetic North: 8.29°

Magnetic Field
Strength: 53083.3snT
Dip Angle: 67.20°
Date: 2/28/2013
Model: IGRF2010

Schmidt 5-1H Pad Sec.5-T6N-R60W
Schmidt 5-1H
Plan #1 (2-28-13)
10:02, February 28 2013

ANNOTATIONS

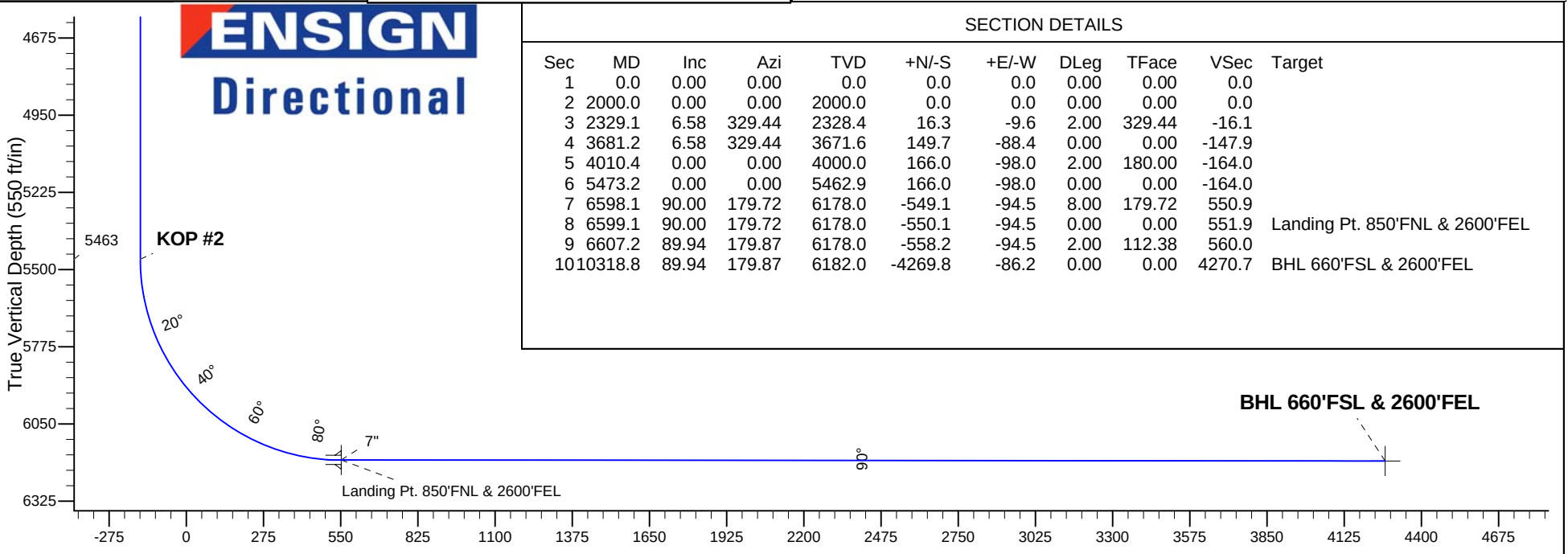
TVD	MD	Annotation
2000.0	2000.0	KOP #1
5462.8	5473.2	KOP #2



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	2329.1	6.58	329.44	2328.4	16.3	-9.6	2.00	329.44	-16.1	
4	3681.2	6.58	329.44	3671.6	149.7	-88.4	0.00	0.00	-147.9	
5	4010.4	0.00	0.00	4000.0	166.0	-98.0	2.00	180.00	-164.0	
6	5473.2	0.00	0.00	5462.9	166.0	-98.0	0.00	0.00	-164.0	
7	6598.1	90.00	179.72	6178.0	-549.1	-94.5	8.00	179.72	550.9	
8	6599.1	90.00	179.72	6178.0	-550.1	-94.5	0.00	0.00	551.9	Landing Pt. 850'FNL & 2600'FEL
9	6607.2	89.94	179.87	6178.0	-558.2	-94.5	2.00	112.38	560.0	
10	10318.8	89.94	179.87	6182.0	-4269.8	-86.2	0.00	0.00	4270.7	BHL 660'FSL & 2600'FEL



Condor Energy

SEC.5-T6N-R60W
Schmidt 5-1H Pad Sec.5-T6N-R60W
Schmidt 5-1H

Wellbore #1

Plan: Plan #1 (2-28-13)

Standard Planning Report

28 February, 2013

Database:	Landmark	**Local Co-ordinate Reference:**	Well Schmidt 5-1H
Company:	Condor Energy	**TVD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Project:	SEC.5-T6N-R60W	**MD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Site:	Schmidt 5-1H Pad Sec.5-T6N-R60W	**North Reference:**	True
Well:	Schmidt 5-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-28-13)		

Project SEC.5-T6N-R60W, Morgan Country, 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 Schmidt 5-1H Pad Sec.5-T6N-R60W

Site Position:		**Northing:**	1,436,571.07 ft	**Latitude:**	40.523570
From:	Lat/Long	**Easting:**	3,384,186.95 ft	**Longitude:**	-104.117990
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.89 °

Well Schmidt 5-1H

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,436,571.06 ft	**Latitude:**	40.523570
	+E/-W	0.0 ft	**Easting:**	3,384,186.95 ft	**Longitude:**	-104.117990
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,799.1 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/28/2013	8.29	67.20	53,083

Design Plan #1 (2-28-13)

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	181.16

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,329.1	6.58	329.44	2,328.4	16.3	-9.6	2.00	2.00	0.00	329.44	
3,681.2	6.58	329.44	3,671.6	149.7	-88.4	0.00	0.00	0.00	0.00	
4,010.4	0.00	0.00	4,000.0	166.0	-98.0	2.00	-2.00	0.00	180.00	
5,473.2	0.00	0.00	5,462.9	166.0	-98.0	0.00	0.00	0.00	0.00	
6,598.1	90.00	179.72	6,178.0	-549.1	-94.5	8.00	8.00	0.00	179.72	
6,599.1	90.00	179.72	6,178.0	-550.1	-94.5	0.00	0.00	0.00	0.00	Landing Pt. 850'FN
6,607.2	89.94	179.87	6,178.0	-558.2	-94.5	2.00	-0.76	1.85	112.38	
10,318.8	89.94	179.87	6,182.0	-4,269.8	-86.2	0.00	0.00	0.00	0.00	BHL 660'FSL & 26(

Database:	Landmark	**Local Co-ordinate Reference:**	Well Schmidt 5-1H
Company:	Condor Energy	**TVD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Project:	SEC.5-T6N-R60W	**MD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Site:	Schmidt 5-1H Pad Sec.5-T6N-R60W	**North Reference:**	True
Well:	Schmidt 5-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-28-13)		

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	329.44	2,100.0	1.5	-0.9	-1.5	2.00	2.00	0.00
2,200.0	4.00	329.44	2,199.8	6.0	-3.5	-5.9	2.00	2.00	0.00
2,300.0	6.00	329.44	2,299.5	13.5	-8.0	-13.4	2.00	2.00	0.00
2,329.1	6.58	329.44	2,328.4	16.3	-9.6	-16.1	2.00	2.00	0.00
2,400.0	6.58	329.44	2,398.8	23.3	-13.7	-23.0	0.00	0.00	0.00
2,500.0	6.58	329.44	2,498.2	33.1	-19.6	-32.7	0.00	0.00	0.00
2,600.0	6.58	329.44	2,597.5	43.0	-25.4	-42.5	0.00	0.00	0.00
2,700.0	6.58	329.44	2,696.8	52.9	-31.2	-52.2	0.00	0.00	0.00
2,800.0	6.58	329.44	2,796.2	62.7	-37.0	-62.0	0.00	0.00	0.00
2,900.0	6.58	329.44	2,895.5	72.6	-42.9	-71.7	0.00	0.00	0.00
3,000.0	6.58	329.44	2,994.9	82.5	-48.7	-81.5	0.00	0.00	0.00
3,100.0	6.58	329.44	3,094.2	92.4	-54.5	-91.2	0.00	0.00	0.00
3,200.0	6.58	329.44	3,193.5	102.2	-60.4	-101.0	0.00	0.00	0.00
3,300.0	6.58	329.44	3,292.9	112.1	-66.2	-110.7	0.00	0.00	0.00
3,400.0	6.58	329.44	3,392.2	122.0	-72.0	-120.5	0.00	0.00	0.00
3,500.0	6.58	329.44	3,491.6	131.8	-77.8	-130.2	0.00	0.00	0.00
3,600.0	6.58	329.44	3,590.9	141.7	-83.7	-140.0	0.00	0.00	0.00
3,681.2	6.58	329.44	3,671.6	149.7	-88.4	-147.9	0.00	0.00	0.00
3,700.0	6.21	329.44	3,690.2	151.5	-89.5	-149.7	2.00	-2.00	0.00
3,800.0	4.21	329.44	3,789.8	159.4	-94.1	-157.4	2.00	-2.00	0.00
3,900.0	2.21	329.44	3,889.7	164.2	-96.9	-162.2	2.00	-2.00	0.00
4,000.0	0.21	329.44	3,989.6	166.0	-98.0	-164.0	2.00	-2.00	0.00
4,010.4	0.00	0.00	4,000.0	166.0	-98.0	-164.0	2.00	-2.00	0.00
4,100.0	0.00	0.00	4,089.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,189.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,289.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,389.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,489.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,589.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,689.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,789.6	166.0	-98.0	-164.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,889.6	166.0	-98.0	-164.0	0.00	0.00	0.00

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Site:	Schmidt 5-1H Pad Sec.5-T6N-R60W	**North Reference:**	True
Well:	Schmidt 5-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-28-13)		

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	4,989.6	166.0	-98.0	-164.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,089.6	166.0	-98.0	-164.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,189.6	166.0	-98.0	-164.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,289.6	166.0	-98.0	-164.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,389.6	166.0	-98.0	-164.0	0.00	0.00	0.00
5,473.2	0.00	0.00	5,462.8	166.0	-98.0	-164.0	0.00	0.00	0.00
KOP #2									
5,500.0	2.14	179.72	5,489.6	165.5	-98.0	-163.5	7.99	7.99	0.00
5,600.0	10.14	179.72	5,589.0	154.8	-97.9	-152.8	8.00	8.00	0.00
5,700.0	18.14	179.72	5,685.9	130.4	-97.8	-128.4	8.00	8.00	0.00
5,800.0	26.14	179.72	5,778.4	92.7	-97.6	-90.7	8.00	8.00	0.00
5,900.0	34.14	179.72	5,864.8	42.6	-97.4	-40.6	8.00	8.00	0.00
6,000.0	42.15	179.72	5,943.4	-19.2	-97.1	21.1	8.00	8.00	0.00
6,100.0	50.15	179.72	6,012.6	-91.2	-96.8	93.1	8.00	8.00	0.00
6,200.0	58.15	179.72	6,071.2	-172.2	-96.4	174.1	8.00	8.00	0.00
6,300.0	66.15	179.72	6,117.8	-260.5	-95.9	262.4	8.00	8.00	0.00
6,400.0	74.15	179.72	6,151.8	-354.5	-95.5	356.4	8.00	8.00	0.00
6,500.0	82.15	179.72	6,172.3	-452.3	-95.0	454.1	8.00	8.00	0.00
6,598.1	90.00	179.72	6,178.0	-549.1	-94.5	550.9	8.00	8.00	0.00
6,599.1	90.00	179.72	6,178.0	-550.1	-94.5	551.9	0.00	0.00	0.00
7"									
6,600.0	89.99	179.74	6,178.0	-551.0	-94.5	552.8	1.95	-0.74	1.81
6,607.2	89.94	179.87	6,178.0	-558.2	-94.5	560.0	2.00	-0.76	1.85
6,700.0	89.94	179.87	6,178.1	-651.0	-94.3	652.8	0.00	0.00	0.00
6,800.0	89.94	179.87	6,178.2	-751.0	-94.1	752.7	0.00	0.00	0.00
6,900.0	89.94	179.87	6,178.3	-851.0	-93.8	852.7	0.00	0.00	0.00
7,000.0	89.94	179.87	6,178.4	-951.0	-93.6	952.7	0.00	0.00	0.00
7,100.0	89.94	179.87	6,178.5	-1,051.0	-93.4	1,052.7	0.00	0.00	0.00
7,200.0	89.94	179.87	6,178.6	-1,151.0	-93.2	1,152.6	0.00	0.00	0.00
7,300.0	89.94	179.87	6,178.8	-1,251.0	-92.9	1,252.6	0.00	0.00	0.00
7,400.0	89.94	179.87	6,178.9	-1,351.0	-92.7	1,352.6	0.00	0.00	0.00
7,500.0	89.94	179.87	6,179.0	-1,451.0	-92.5	1,452.6	0.00	0.00	0.00
7,600.0	89.94	179.87	6,179.1	-1,551.0	-92.3	1,552.5	0.00	0.00	0.00
7,700.0	89.94	179.87	6,179.2	-1,651.0	-92.1	1,652.5	0.00	0.00	0.00
7,800.0	89.94	179.87	6,179.3	-1,751.0	-91.8	1,752.5	0.00	0.00	0.00
7,900.0	89.94	179.87	6,179.4	-1,851.0	-91.6	1,852.5	0.00	0.00	0.00
8,000.0	89.94	179.87	6,179.5	-1,951.0	-91.4	1,952.4	0.00	0.00	0.00
8,100.0	89.94	179.87	6,179.6	-2,051.0	-91.2	2,052.4	0.00	0.00	0.00
8,200.0	89.94	179.87	6,179.7	-2,151.0	-90.9	2,152.4	0.00	0.00	0.00
8,300.0	89.94	179.87	6,179.8	-2,251.0	-90.7	2,252.4	0.00	0.00	0.00
8,400.0	89.94	179.87	6,179.9	-2,351.0	-90.5	2,352.3	0.00	0.00	0.00
8,500.0	89.94	179.87	6,180.0	-2,451.0	-90.3	2,452.3	0.00	0.00	0.00
8,600.0	89.94	179.87	6,180.1	-2,551.0	-90.0	2,552.3	0.00	0.00	0.00
8,700.0	89.94	179.87	6,180.3	-2,651.0	-89.8	2,652.3	0.00	0.00	0.00
8,800.0	89.94	179.87	6,180.4	-2,751.0	-89.6	2,752.2	0.00	0.00	0.00
8,900.0	89.94	179.87	6,180.5	-2,851.0	-89.4	2,852.2	0.00	0.00	0.00
9,000.0	89.94	179.87	6,180.6	-2,951.0	-89.1	2,952.2	0.00	0.00	0.00
9,100.0	89.94	179.87	6,180.7	-3,051.0	-88.9	3,052.2	0.00	0.00	0.00
9,200.0	89.94	179.87	6,180.8	-3,151.0	-88.7	3,152.1	0.00	0.00	0.00
9,300.0	89.94	179.87	6,180.9	-3,251.0	-88.5	3,252.1	0.00	0.00	0.00
9,400.0	89.94	179.87	6,181.0	-3,351.0	-88.3	3,352.1	0.00	0.00	0.00
9,500.0	89.94	179.87	6,181.1	-3,451.0	-88.0	3,452.1	0.00	0.00	0.00
9,600.0	89.94	179.87	6,181.2	-3,551.0	-87.8	3,552.0	0.00	0.00	0.00
9,700.0	89.94	179.87	6,181.3	-3,651.0	-87.6	3,652.0	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well Schmidt 5-1H
Company:	Condor Energy	**TVD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Project:	SEC.5-T6N-R60W	**MD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Site:	Schmidt 5-1H Pad Sec.5-T6N-R60W	**North Reference:**	True
Well:	Schmidt 5-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-28-13)		

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	89.94	179.87	6,181.4	-3,751.0	-87.4	3,752.0	0.00	0.00	0.00
9,900.0	89.94	179.87	6,181.5	-3,851.0	-87.1	3,852.0	0.00	0.00	0.00
10,000.0	89.94	179.87	6,181.7	-3,951.0	-86.9	3,951.9	0.00	0.00	0.00
10,100.0	89.94	179.87	6,181.8	-4,051.0	-86.7	4,051.9	0.00	0.00	0.00
10,200.0	89.94	179.87	6,181.9	-4,151.0	-86.5	4,151.9	0.00	0.00	0.00
10,300.0	89.94	179.87	6,182.0	-4,251.0	-86.2	4,251.9	0.00	0.00	0.00
10,318.8	89.94	179.87	6,182.0	-4,269.8	-86.2	4,270.7	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
HARDLINE 600' SHL	0.00	0.00	1.0	-300.1	300.0	1,436,275.68	3,384,491.58	40.522746	-104.116911
- plan misses target center by 424.3ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,436,275.68	3,384,491.58		
Point 2			1.0	0.0	-600.0	1,436,266.33	3,383,891.67		
BHL 660'FSL & 2600'I	0.00	0.00	6,182.0	-4,269.8	-86.2	1,432,300.56	3,384,167.31	40.511850	-104.118300
- plan hits target center									
- Point									
HARDLINE 600' BHL	0.00	0.00	1.0	-4,329.8	300.0	1,432,246.61	3,384,554.38	40.511685	-104.116911
- plan misses target center by 4340.2ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,432,246.61	3,384,554.38		
Point 2			1.0	0.0	-600.0	1,432,237.26	3,383,954.47		
SECTION LINE	0.00	0.00	1.0	300.0	300.0	1,436,875.69	3,384,482.23	40.524393	-104.116911
- plan misses target center by 424.3ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			1.0	0.0	0.0	1,436,875.69	3,384,482.23		
Point 2			1.0	0.0	-600.0	1,436,866.34	3,383,882.32		
Landing Pt. 850'FNL &	0.00	0.00	6,178.0	-550.1	-94.5	1,436,019.56	3,384,101.01	40.522060	-104.118330
- plan hits target center									
- Point									
SHL 300'FNL & 2506'	0.00	0.00	1.0	0.0	0.0	1,436,571.07	3,384,186.95	40.523570	-104.117990
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,599.1	6,178.0	7"	7	7-1/2

Database:	Landmark	**Local Co-ordinate Reference:**	Well Schmidt 5-1H
Company:	Condor Energy	**TVD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Project:	SEC.5-T6N-R60W	**MD Reference:**	WELL @ 4811.6ft (Original Well Elev)
Site:	Schmidt 5-1H Pad Sec.5-T6N-R60W	**North Reference:**	True
Well:	Schmidt 5-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-28-13)		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,000.0	2,000.0	0.0	0.0	KOP #1
5,473.2	5,462.8	166.0	-98.0	KOP #2