



# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DEHAAN 7X-HC-16-07-65 - Slot DEHAAN
<b>Company:</b>	Nickel Road Operating LLC	<b>TVD Reference:</b>	KB @ 5300.00usft
<b>Project:</b>	WELD COUNTY, CO	<b>MD Reference:</b>	KB @ 5300.00usft
<b>Site:</b>	S17-T7N-R65W (DEHAAN)	<b>North Reference:</b>	Grid
<b>Well:</b>	DEHAAN 7X-HC-16-07-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #2		

<b>Project</b>	WELD COUNTY, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		S17-T7N-R65W (DEHAAN)			
Site Position:		Northing:	1,454,732.81 usft	Latitude:	40.578843
From:	Map	Easting:	3,224,073.79 usft	Longitude:	-104.693317
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.52 °

Well	DEHAAN 7X-HC-16-07-65 - Slot DEHAAN S 7X-HC-16-07-65 SHL					
Well Position	+N/-S	0.00 usft	Northing:	1,451,769.31 usft	Latitude:	40.570715
	+E/-W	0.00 usft	Easting:	3,223,825.63 usft	Longitude:	-104.694307
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	5,280.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	HDGM	1/11/2018	8.10	67.00	52,391.60000000

<b>Design</b>	PLAN #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	91.23

<b>Plan Sections</b>										
<b>Measured Depth</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical Depth</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Dogleg Rate</b>	<b>Build Rate</b>	<b>Turn Rate</b>	<b>TFO</b>	<b>Target</b>
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
465.29	5.31	268.89	464.91	-0.24	-12.27	2.00	2.00	0.00	268.89	
6,592.64	5.31	268.89	6,566.01	-11.17	-578.76	0.00	0.00	0.00	0.00	
7,788.03	90.33	91.08	7,348.37	-27.51	138.31	8.00	7.11	-14.87	-177.80	
17,063.03	90.33	91.08	7,295.00	-202.71	9,411.50	0.00	0.00	0.00	0.00	DEHAAN S 7X-HC-16

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<b>Project:</b>	WELD COUNTY, CO	<b>MD Reference:</b>	KB @ 5300.00usft
<b>Site:</b>	S17-T7N-R65W (DEHAAN)	<b>North Reference:</b>	Grid
<b>Well:</b>	DEHAAN 7X-HC-16-07-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #2		

### Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
300.00	2.00	268.89	299.98	-0.03	-1.74	-1.74	2.00	2.00	
400.00	4.00	268.89	399.84	-0.13	-6.98	-6.97	2.00	2.00	
465.29	5.31	268.89	464.91	-0.24	-12.27	-12.26	2.00	2.00	
500.00	5.31	268.89	499.47	-0.30	-15.48	-15.47	0.00	0.00	
600.00	5.31	268.89	599.04	-0.48	-24.73	-24.71	0.00	0.00	
700.00	5.31	268.89	698.62	-0.66	-33.97	-33.95	0.00	0.00	
800.00	5.31	268.89	798.19	-0.83	-43.22	-43.19	0.00	0.00	
900.00	5.31	268.89	897.76	-1.01	-52.46	-52.43	0.00	0.00	
1,000.00	5.31	268.89	997.33	-1.19	-61.71	-61.67	0.00	0.00	
1,100.00	5.31	268.89	1,096.90	-1.37	-70.95	-70.91	0.00	0.00	
1,200.00	5.31	268.89	1,196.47	-1.55	-80.20	-80.15	0.00	0.00	
1,300.00	5.31	268.89	1,296.04	-1.73	-89.44	-89.39	0.00	0.00	
1,400.00	5.31	268.89	1,395.62	-1.91	-98.69	-98.63	0.00	0.00	
1,500.00	5.31	268.89	1,495.19	-2.08	-107.93	-107.86	0.00	0.00	
1,600.00	5.31	268.89	1,594.76	-2.26	-117.18	-117.10	0.00	0.00	
1,700.00	5.31	268.89	1,694.33	-2.44	-126.43	-126.34	0.00	0.00	
1,800.00	5.31	268.89	1,793.90	-2.62	-135.67	-135.58	0.00	0.00	
1,900.00	5.31	268.89	1,893.47	-2.80	-144.92	-144.82	0.00	0.00	
2,000.00	5.31	268.89	1,993.05	-2.98	-154.16	-154.06	0.00	0.00	
2,100.00	5.31	268.89	2,092.62	-3.15	-163.41	-163.30	0.00	0.00	
2,200.00	5.31	268.89	2,192.19	-3.33	-172.65	-172.54	0.00	0.00	
2,300.00	5.31	268.89	2,291.76	-3.51	-181.90	-181.78	0.00	0.00	
2,400.00	5.31	268.89	2,391.33	-3.69	-191.14	-191.02	0.00	0.00	
2,500.00	5.31	268.89	2,490.90	-3.87	-200.39	-200.26	0.00	0.00	
2,600.00	5.31	268.89	2,590.47	-4.05	-209.63	-209.50	0.00	0.00	
2,700.00	5.31	268.89	2,690.05	-4.23	-218.88	-218.74	0.00	0.00	
2,800.00	5.31	268.89	2,789.62	-4.40	-228.12	-227.98	0.00	0.00	
2,900.00	5.31	268.89	2,889.19	-4.58	-237.37	-237.22	0.00	0.00	
3,000.00	5.31	268.89	2,988.76	-4.76	-246.61	-246.45	0.00	0.00	
3,100.00	5.31	268.89	3,088.33	-4.94	-255.86	-255.69	0.00	0.00	
3,200.00	5.31	268.89	3,187.90	-5.12	-265.10	-264.93	0.00	0.00	
3,300.00	5.31	268.89	3,287.48	-5.30	-274.35	-274.17	0.00	0.00	
3,400.00	5.31	268.89	3,387.05	-5.48	-283.60	-283.41	0.00	0.00	
3,500.00	5.31	268.89	3,486.62	-5.65	-292.84	-292.65	0.00	0.00	
3,600.00	5.31	268.89	3,586.19	-5.83	-302.09	-301.89	0.00	0.00	
3,700.00	5.31	268.89	3,685.76	-6.01	-311.33	-311.13	0.00	0.00	
3,800.00	5.31	268.89	3,785.33	-6.19	-320.58	-320.37	0.00	0.00	
3,900.00	5.31	268.89	3,884.90	-6.37	-329.82	-329.61	0.00	0.00	
4,000.00	5.31	268.89	3,984.48	-6.55	-339.07	-338.85	0.00	0.00	
4,100.00	5.31	268.89	4,084.05	-6.72	-348.31	-348.09	0.00	0.00	
4,200.00	5.31	268.89	4,183.62	-6.90	-357.56	-357.33	0.00	0.00	
4,300.00	5.31	268.89	4,283.19	-7.08	-366.80	-366.57	0.00	0.00	
4,400.00	5.31	268.89	4,382.76	-7.26	-376.05	-375.81	0.00	0.00	
4,500.00	5.31	268.89	4,482.33	-7.44	-385.29	-385.04	0.00	0.00	
4,600.00	5.31	268.89	4,581.91	-7.62	-394.54	-394.28	0.00	0.00	
4,700.00	5.31	268.89	4,681.48	-7.80	-403.78	-403.52	0.00	0.00	
4,800.00	5.31	268.89	4,781.05	-7.97	-413.03	-412.76	0.00	0.00	
4,900.00	5.31	268.89	4,880.62	-8.15	-422.28	-422.00	0.00	0.00	
5,000.00	5.31	268.89	4,980.19	-8.33	-431.52	-431.24	0.00	0.00	

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<b>Project:</b>	WELD COUNTY, CO	<b>MD Reference:</b>	KB @ 5300.00usft
<b>Site:</b>	S17-T7N-R65W (DEHAAN)	<b>North Reference:</b>	Grid
<b>Well:</b>	DEHAAN 7X-HC-16-07-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #2		

### Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
5,100.00	5.31	268.89	5,079.76	-8.51	-440.77	-440.48	0.00	0.00	
5,200.00	5.31	268.89	5,179.33	-8.69	-450.01	-449.72	0.00	0.00	
5,300.00	5.31	268.89	5,278.91	-8.87	-459.26	-458.96	0.00	0.00	
5,400.00	5.31	268.89	5,378.48	-9.05	-468.50	-468.20	0.00	0.00	
5,500.00	5.31	268.89	5,478.05	-9.22	-477.75	-477.44	0.00	0.00	
5,600.00	5.31	268.89	5,577.62	-9.40	-486.99	-486.68	0.00	0.00	
5,700.00	5.31	268.89	5,677.19	-9.58	-496.24	-495.92	0.00	0.00	
5,800.00	5.31	268.89	5,776.76	-9.76	-505.48	-505.16	0.00	0.00	
5,900.00	5.31	268.89	5,876.34	-9.94	-514.73	-514.39	0.00	0.00	
6,000.00	5.31	268.89	5,975.91	-10.12	-523.97	-523.63	0.00	0.00	
6,100.00	5.31	268.89	6,075.48	-10.29	-533.22	-532.87	0.00	0.00	
6,200.00	5.31	268.89	6,175.05	-10.47	-542.46	-542.11	0.00	0.00	
6,300.00	5.31	268.89	6,274.62	-10.65	-551.71	-551.35	0.00	0.00	
6,400.00	5.31	268.89	6,374.19	-10.83	-560.95	-560.59	0.00	0.00	
6,500.00	5.31	268.89	6,473.76	-11.01	-570.20	-569.83	0.00	0.00	
6,592.64	5.31	268.89	6,566.01	-11.17	-578.76	-578.39	0.00	0.00	
6,600.00	4.72	268.62	6,573.34	-11.19	-579.41	-579.03	8.00	-7.99	
6,700.00	3.29	94.62	6,673.25	-11.52	-580.66	-580.27	8.00	-1.42	
6,800.00	11.29	92.10	6,772.36	-12.11	-567.99	-567.60	8.00	8.00	
6,900.00	19.29	91.66	6,868.74	-12.95	-541.66	-541.26	8.00	8.00	
7,000.00	27.29	91.48	6,960.52	-14.02	-502.17	-501.75	8.00	8.00	
7,100.00	35.29	91.37	7,045.91	-15.31	-450.30	-449.86	8.00	8.00	
7,200.00	43.29	91.30	7,123.25	-16.78	-387.04	-386.59	8.00	8.00	
7,300.00	51.29	91.25	7,191.02	-18.41	-313.65	-313.18	8.00	8.00	
7,400.00	59.29	91.20	7,247.92	-20.16	-231.53	-231.04	8.00	8.00	
7,496.56	67.01	91.17	7,291.50	-21.94	-145.46	-144.95	8.00	8.00	DEHAAN S 7X-HC-16-07-65 LPL
7,500.00	67.29	91.17	7,292.84	-22.01	-142.29	-141.79	8.00	8.00	
7,600.00	75.29	91.14	7,324.89	-23.91	-47.68	-47.15	8.00	8.00	
7,700.00	83.29	91.11	7,343.47	-25.83	50.48	51.03	8.00	8.00	
7,788.03	90.33	91.08	7,348.37	-27.51	138.31	138.87	8.00	8.00	
7,800.00	90.33	91.08	7,348.30	-27.74	150.27	150.83	0.00	0.00	
7,900.00	90.33	91.08	7,347.72	-29.63	250.25	250.83	0.00	0.00	
8,000.00	90.33	91.08	7,347.15	-31.52	350.23	350.83	0.00	0.00	
8,100.00	90.33	91.08	7,346.57	-33.41	450.21	450.83	0.00	0.00	
8,200.00	90.33	91.08	7,346.00	-35.29	550.19	550.83	0.00	0.00	
8,300.00	90.33	91.08	7,345.42	-37.18	650.17	650.82	0.00	0.00	
8,400.00	90.33	91.08	7,344.85	-39.07	750.16	750.82	0.00	0.00	
8,500.00	90.33	91.08	7,344.27	-40.96	850.14	850.82	0.00	0.00	
8,600.00	90.33	91.08	7,343.69	-42.85	950.12	950.82	0.00	0.00	
8,700.00	90.33	91.08	7,343.12	-44.74	1,050.10	1,050.82	0.00	0.00	
8,800.00	90.33	91.08	7,342.54	-46.63	1,150.08	1,150.81	0.00	0.00	
8,900.00	90.33	91.08	7,341.97	-48.52	1,250.06	1,250.81	0.00	0.00	
9,000.00	90.33	91.08	7,341.39	-50.41	1,350.04	1,350.81	0.00	0.00	
9,100.00	90.33	91.08	7,340.82	-52.29	1,450.02	1,450.81	0.00	0.00	
9,200.00	90.33	91.08	7,340.24	-54.18	1,550.00	1,550.81	0.00	0.00	
9,300.00	90.33	91.08	7,339.67	-56.07	1,649.98	1,650.80	0.00	0.00	
9,400.00	90.33	91.08	7,339.09	-57.96	1,749.96	1,750.80	0.00	0.00	
9,500.00	90.33	91.08	7,338.52	-59.85	1,849.94	1,850.80	0.00	0.00	
9,600.00	90.33	91.08	7,337.94	-61.74	1,949.92	1,950.80	0.00	0.00	
9,700.00	90.33	91.08	7,337.37	-63.63	2,049.90	2,050.80	0.00	0.00	
9,800.00	90.33	91.08	7,336.79	-65.52	2,149.88	2,150.79	0.00	0.00	
9,900.00	90.33	91.08	7,336.21	-67.41	2,249.86	2,250.79	0.00	0.00	

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<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
10,000.00	90.33	91.08	7,335.64	-69.29	2,349.84	2,350.79	0.00	0.00	
10,100.00	90.33	91.08	7,335.06	-71.18	2,449.82	2,450.79	0.00	0.00	
10,200.00	90.33	91.08	7,334.49	-73.07	2,549.80	2,550.79	0.00	0.00	
10,300.00	90.33	91.08	7,333.91	-74.96	2,649.79	2,650.78	0.00	0.00	
10,400.00	90.33	91.08	7,333.34	-76.85	2,749.77	2,750.78	0.00	0.00	
10,500.00	90.33	91.08	7,332.76	-78.74	2,849.75	2,850.78	0.00	0.00	
10,600.00	90.33	91.08	7,332.19	-80.63	2,949.73	2,950.78	0.00	0.00	
10,700.00	90.33	91.08	7,331.61	-82.52	3,049.71	3,050.78	0.00	0.00	
10,800.00	90.33	91.08	7,331.04	-84.41	3,149.69	3,150.77	0.00	0.00	
10,900.00	90.33	91.08	7,330.46	-86.30	3,249.67	3,250.77	0.00	0.00	
11,000.00	90.33	91.08	7,329.89	-88.18	3,349.65	3,350.77	0.00	0.00	
11,100.00	90.33	91.08	7,329.31	-90.07	3,449.63	3,450.77	0.00	0.00	
11,200.00	90.33	91.08	7,328.73	-91.96	3,549.61	3,550.77	0.00	0.00	
11,300.00	90.33	91.08	7,328.16	-93.85	3,649.59	3,650.76	0.00	0.00	
11,400.00	90.33	91.08	7,327.58	-95.74	3,749.57	3,750.76	0.00	0.00	
11,500.00	90.33	91.08	7,327.01	-97.63	3,849.55	3,850.76	0.00	0.00	
11,600.00	90.33	91.08	7,326.43	-99.52	3,949.53	3,950.76	0.00	0.00	
11,700.00	90.33	91.08	7,325.86	-101.41	4,049.51	4,050.76	0.00	0.00	
11,800.00	90.33	91.08	7,325.28	-103.30	4,149.49	4,150.75	0.00	0.00	
11,900.00	90.33	91.08	7,324.71	-105.18	4,249.47	4,250.75	0.00	0.00	
12,000.00	90.33	91.08	7,324.13	-107.07	4,349.45	4,350.75	0.00	0.00	
12,100.00	90.33	91.08	7,323.56	-108.96	4,449.43	4,450.75	0.00	0.00	
12,200.00	90.33	91.08	7,322.98	-110.85	4,549.41	4,550.75	0.00	0.00	
12,300.00	90.33	91.08	7,322.41	-112.74	4,649.40	4,650.74	0.00	0.00	
12,400.00	90.33	91.08	7,321.83	-114.63	4,749.38	4,750.74	0.00	0.00	
12,500.00	90.33	91.08	7,321.25	-116.52	4,849.36	4,850.74	0.00	0.00	
12,600.00	90.33	91.08	7,320.68	-118.41	4,949.34	4,950.74	0.00	0.00	
12,700.00	90.33	91.08	7,320.10	-120.30	5,049.32	5,050.74	0.00	0.00	
12,800.00	90.33	91.08	7,319.53	-122.18	5,149.30	5,150.73	0.00	0.00	
12,900.00	90.33	91.08	7,318.95	-124.07	5,249.28	5,250.73	0.00	0.00	
13,000.00	90.33	91.08	7,318.38	-125.96	5,349.26	5,350.73	0.00	0.00	
13,100.00	90.33	91.08	7,317.80	-127.85	5,449.24	5,450.73	0.00	0.00	
13,200.00	90.33	91.08	7,317.23	-129.74	5,549.22	5,550.73	0.00	0.00	
13,300.00	90.33	91.08	7,316.65	-131.63	5,649.20	5,650.72	0.00	0.00	
13,400.00	90.33	91.08	7,316.08	-133.52	5,749.18	5,750.72	0.00	0.00	
13,500.00	90.33	91.08	7,315.50	-135.41	5,849.16	5,850.72	0.00	0.00	
13,600.00	90.33	91.08	7,314.93	-137.30	5,949.14	5,950.72	0.00	0.00	
13,700.00	90.33	91.08	7,314.35	-139.18	6,049.12	6,050.72	0.00	0.00	
13,800.00	90.33	91.08	7,313.77	-141.07	6,149.10	6,150.71	0.00	0.00	
13,900.00	90.33	91.08	7,313.20	-142.96	6,249.08	6,250.71	0.00	0.00	
14,000.00	90.33	91.08	7,312.62	-144.85	6,349.06	6,350.71	0.00	0.00	
14,100.00	90.33	91.08	7,312.05	-146.74	6,449.04	6,450.71	0.00	0.00	
14,200.00	90.33	91.08	7,311.47	-148.63	6,549.02	6,550.71	0.00	0.00	
14,300.00	90.33	91.08	7,310.90	-150.52	6,649.01	6,650.70	0.00	0.00	
14,400.00	90.33	91.08	7,310.32	-152.41	6,748.99	6,750.70	0.00	0.00	
14,500.00	90.33	91.08	7,309.75	-154.30	6,848.97	6,850.70	0.00	0.00	
14,600.00	90.33	91.08	7,309.17	-156.19	6,948.95	6,950.70	0.00	0.00	
14,700.00	90.33	91.08	7,308.60	-158.07	7,048.93	7,050.70	0.00	0.00	
14,800.00	90.33	91.08	7,308.02	-159.96	7,148.91	7,150.69	0.00	0.00	
14,900.00	90.33	91.08	7,307.45	-161.85	7,248.89	7,250.69	0.00	0.00	
15,000.00	90.33	91.08	7,306.87	-163.74	7,348.87	7,350.69	0.00	0.00	
15,100.00	90.33	91.08	7,306.29	-165.63	7,448.85	7,450.69	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well DEHAAN 7X-HC-16-07-65 - Slot DEHAAN
<b>Company:</b>	Nickel Road Operating LLC	<b>TVD Reference:</b>	KB @ 5300.00usft
<b>Project:</b>	WELD COUNTY, CO	<b>MD Reference:</b>	KB @ 5300.00usft
<b>Site:</b>	S17-T7N-R65W (DEHAAN)	<b>North Reference:</b>	Grid
<b>Well:</b>	DEHAAN 7X-HC-16-07-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
15,200.00	90.33	91.08	7,305.72	-167.52	7,548.83	7,550.69	0.00	0.00	
15,300.00	90.33	91.08	7,305.14	-169.41	7,648.81	7,650.68	0.00	0.00	
15,400.00	90.33	91.08	7,304.57	-171.30	7,748.79	7,750.68	0.00	0.00	
15,500.00	90.33	91.08	7,303.99	-173.19	7,848.77	7,850.68	0.00	0.00	
15,600.00	90.33	91.08	7,303.42	-175.07	7,948.75	7,950.68	0.00	0.00	
15,700.00	90.33	91.08	7,302.84	-176.96	8,048.73	8,050.68	0.00	0.00	
15,800.00	90.33	91.08	7,302.27	-178.85	8,148.71	8,150.67	0.00	0.00	
15,900.00	90.33	91.08	7,301.69	-180.74	8,248.69	8,250.67	0.00	0.00	
16,000.00	90.33	91.08	7,301.12	-182.63	8,348.67	8,350.67	0.00	0.00	
16,100.00	90.33	91.08	7,300.54	-184.52	8,448.65	8,450.67	0.00	0.00	
16,200.00	90.33	91.08	7,299.97	-186.41	8,548.63	8,550.67	0.00	0.00	
16,300.00	90.33	91.08	7,299.39	-188.30	8,648.62	8,650.66	0.00	0.00	
16,400.00	90.33	91.08	7,298.81	-190.19	8,748.60	8,750.66	0.00	0.00	
16,500.00	90.33	91.08	7,298.24	-192.07	8,848.58	8,850.66	0.00	0.00	
16,600.00	90.33	91.08	7,297.66	-193.96	8,948.56	8,950.66	0.00	0.00	
16,700.00	90.33	91.08	7,297.09	-195.85	9,048.54	9,050.66	0.00	0.00	
16,800.00	90.33	91.08	7,296.51	-197.74	9,148.52	9,150.65	0.00	0.00	
16,900.00	90.33	91.08	7,295.94	-199.63	9,248.50	9,250.65	0.00	0.00	
17,000.00	90.33	91.08	7,295.36	-201.52	9,348.48	9,350.65	0.00	0.00	
17,063.03	90.33	91.08	7,295.00	-202.71	9,411.50	9,413.68	0.00	0.00	DEHAAN S 7X-HC-16-07-65 BHL

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
DEHAAN S 7X-HC-16-0	0.00	0.00	7,291.63	-21.95	-145.53	1,451,747.36	3,223,680.10	40.570658	-104.694832
- hit/miss target									
- plan misses target center by 0.14usft at 7496.56usft MD (7291.50 TVD, -21.94 N, -145.46 E)									
- Shape									
- Point									
DEHAAN S 7X-HC-16-0	0.00	0.00	7,295.00	-202.71	9,411.50	1,451,566.60	3,233,237.13	40.569919	-104.660438
- plan hits target center									
- Point									