



# WHITING PETROLEUM CORP.

Project: Weld County, CO

Site: Sec 7-T10N-R57W

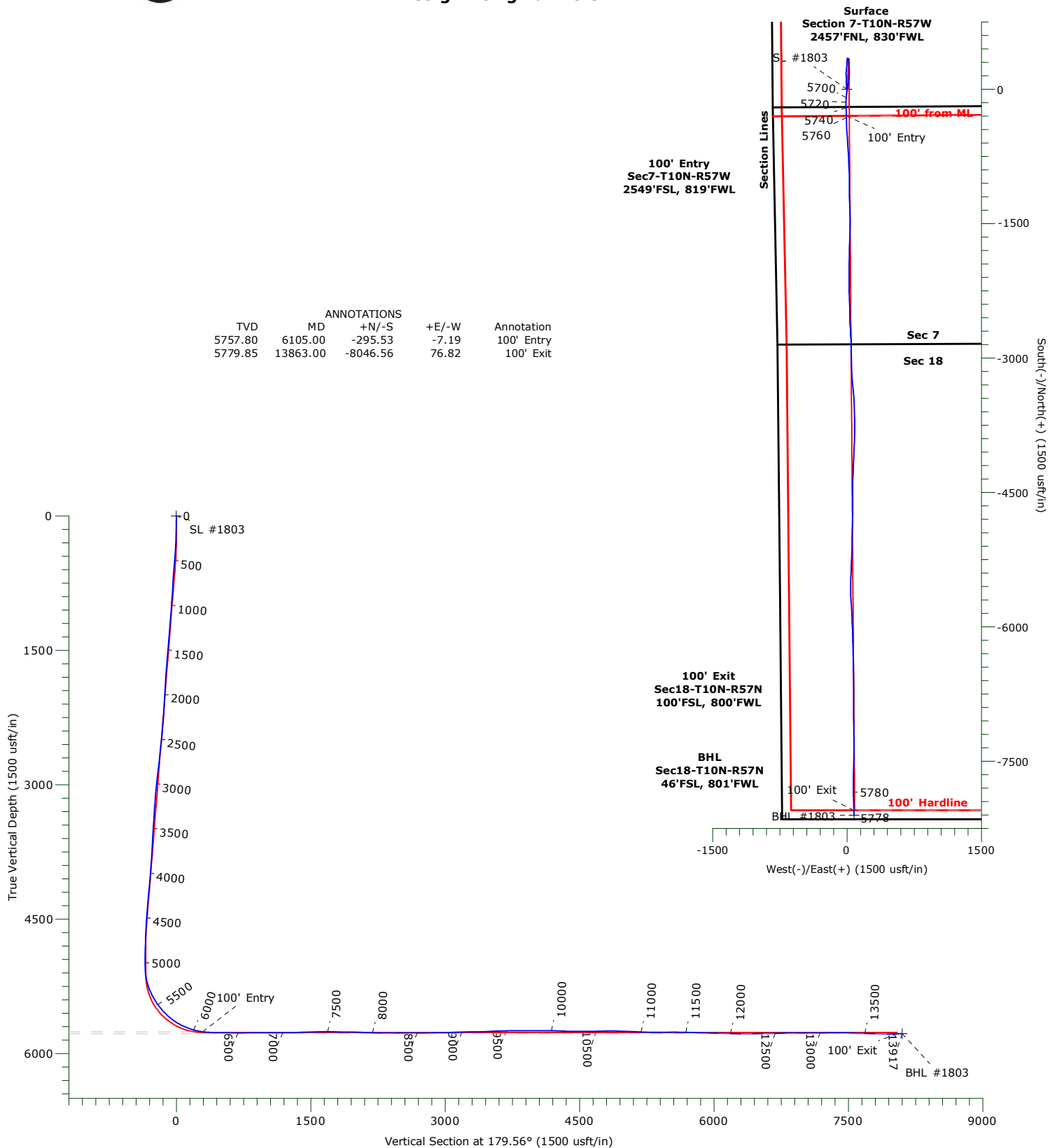
Well: Horsetail #07E-1803

Wellbore: Original Hole

Design: Original Hole



**Precision**  
Directional Services



## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL #1803	0.00	0.00	0.00	1558450.38	3469980.08	40.853964°N	103.801041°W	Point
BHL #1803	5778.38	-8100.53	78.00	1550352.83	3470213.26	40.831731°N	103.800760°W	Point

# Precision Drilling Corporation

## Survey Report

<b>Company:</b>	WHITING PETROLEUM CORP.	<b>Local Co-ordinate Reference:</b>	Well Horsetail #07E-1803
<b>Project:</b>	Weld County, CO	<b>TVD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Site:</b>	Sec 7-T10N-R57W	<b>MD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Well:</b>	Horsetail #07E-1803	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Compass_US

<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		Sec 7-T10N-R57W				
Site Position:		Northing:	1,558,398.04	usft	Latitude:	40.853825°N
From:	Lat/Long	Easting:	3,469,889.54	usft	Longitude:	103.801372°W
Position Uncertainty:		0.00	usft	Slot Radius:	13.20	in
					Grid Convergence:	1.10 °

Well	Horsetail #07E-1803					
Well Position	+N-S	0.00 usft	Northing:	1,558,450.38 usft	Latitude:	40.853964°N
	+E-W	0.00 usft	Easting:	3,469,980.08 usft	Longitude:	103.801042°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,925.60 usft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	01/31/16	7.87	67.40	52,881

<b>Design</b>	Original Hole				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N-S (usft)</b>	<b>+E-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	179.56	

<b>Survey Program</b>	<b>Date</b>	01/26/16			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
130.00	13,853.00	Survey #1 (Original Hole)	MWD+IFR+MS	MWD + IFR + Multi Station	
13,917.00	13,917.00	Survey #2 (Original Hole)	BLIND	OWSG BLIND	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N-S (usft)</b>	<b>+E-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
130.00	1.02	295.75	129.99	0.50	-1.04	-0.51	0.78	0.78	0.00	
221.00	1.62	314.76	220.97	1.76	-2.69	-1.78	0.81	0.66	20.89	
313.00	3.15	341.58	312.89	5.07	-4.41	-5.11	2.02	1.66	29.15	
404.00	4.55	349.98	403.68	11.00	-5.83	-11.05	1.65	1.54	9.23	
496.00	4.46	356.19	495.40	18.16	-6.70	-18.22	0.54	-0.10	6.75	
587.00	4.51	4.67	586.12	25.26	-6.64	-25.31	0.73	0.05	9.32	
680.00	4.02	8.76	678.86	32.13	-5.85	-32.17	0.62	-0.53	4.40	
770.00	3.76	0.79	768.66	38.20	-5.33	-38.24	0.67	-0.29	-8.86	
862.00	3.81	3.25	860.46	44.26	-5.11	-44.30	0.18	0.05	2.67	

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## Survey Report

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<b>Project:</b>	Weld County, CO	<b>TVD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Site:</b>	Sec 7-T10N-R57W	<b>MD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Well:</b>	Horsetail #07E-1803	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Compass_US

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
953.00	3.79	0.58	951.26	50.29	-4.91	-50.33	0.20	-0.02	-2.93
1,045.00	4.44	354.72	1,043.02	56.88	-5.21	-56.91	0.84	0.71	-6.37
1,137.00	4.77	351.47	1,134.72	64.20	-6.10	-64.25	0.46	0.36	-3.53
1,320.00	3.99	353.98	1,317.19	78.06	-7.90	-78.12	0.44	-0.43	1.37
1,413.00	4.68	4.70	1,409.92	85.06	-7.93	-85.12	1.14	0.74	11.53
1,597.00	4.80	3.62	1,593.29	100.22	-6.83	-100.27	0.08	0.07	-0.59
1,688.00	4.86	1.18	1,683.97	107.88	-6.51	-107.93	0.24	0.07	-2.68
1,779.00	4.23	2.16	1,774.68	115.09	-6.30	-115.13	0.70	-0.69	1.08
1,872.00	3.50	348.57	1,867.47	121.30	-6.73	-121.34	1.25	-0.78	-14.61
1,963.00	3.55	351.04	1,958.30	126.80	-7.72	-126.86	0.18	0.05	2.71
2,036.00	2.90	356.34	2,031.18	130.88	-8.19	-130.94	0.98	-0.89	7.26
2,131.00	2.33	357.23	2,126.08	135.20	-8.44	-135.27	0.60	-0.60	0.94
2,226.00	4.59	0.83	2,220.91	140.93	-8.48	-141.00	2.39	2.38	3.79
2,320.00	4.18	2.07	2,314.63	148.12	-8.30	-148.18	0.45	-0.44	1.32
2,416.00	6.01	355.00	2,410.25	156.62	-8.61	-156.68	2.01	1.91	-7.36
2,511.00	5.57	354.85	2,504.76	166.17	-9.46	-166.24	0.46	-0.46	-0.16
2,606.00	6.23	2.40	2,599.26	175.91	-9.66	-175.98	1.07	0.69	7.95
2,701.00	5.76	0.07	2,693.74	185.83	-9.43	-185.90	0.56	-0.49	-2.45
2,795.00	6.84	8.69	2,787.17	196.08	-8.58	-196.14	1.52	1.15	9.17
2,891.00	6.60	5.00	2,882.51	207.23	-7.24	-207.28	0.51	-0.25	-3.84
2,986.00	6.01	3.94	2,976.94	217.63	-6.42	-217.67	0.63	-0.62	-1.12
3,082.00	4.97	2.93	3,072.50	226.79	-5.86	-226.83	1.09	-1.08	-1.05
3,177.00	5.25	8.70	3,167.12	235.20	-5.00	-235.23	0.62	0.29	6.07
3,270.00	4.12	8.74	3,259.81	242.71	-3.84	-242.73	1.22	-1.22	0.04
3,365.00	3.06	2.20	3,354.62	248.62	-3.23	-248.63	1.19	-1.12	-6.88
3,555.00	3.77	7.80	3,544.28	259.87	-2.19	-259.88	0.41	0.37	2.95
3,650.00	3.46	8.61	3,639.09	265.80	-1.33	-265.80	0.33	-0.33	0.85
3,746.00	3.20	3.78	3,734.93	271.34	-0.72	-271.34	0.40	-0.27	-5.03
3,841.00	3.15	359.96	3,829.79	276.59	-0.55	-276.59	0.23	-0.05	-4.02
3,937.00	4.81	359.37	3,925.55	283.26	-0.60	-283.25	1.73	1.73	-0.61
4,033.00	4.23	359.58	4,021.25	290.82	-0.67	-290.82	0.60	-0.60	0.22
4,153.00	5.79	357.09	4,140.79	301.29	-1.01	-301.29	1.31	1.30	-2.08
4,248.00	5.50	14.30	4,235.34	310.49	-0.12	-310.48	1.80	-0.31	18.12
4,343.00	4.69	7.49	4,329.96	318.75	1.51	-318.73	1.06	-0.85	-7.17
4,439.00	3.96	4.77	4,425.69	325.95	2.29	-325.92	0.79	-0.76	-2.83
4,534.00	3.49	3.36	4,520.49	332.10	2.74	-332.07	0.50	-0.49	-1.48
4,630.00	3.06	359.96	4,616.33	337.58	2.91	-337.55	0.49	-0.45	-3.54
4,725.00	2.86	6.90	4,711.20	342.47	3.19	-342.44	0.43	-0.21	7.31
4,821.00	1.57	52.25	4,807.14	345.66	4.52	-345.61	2.17	-1.34	47.24
4,916.00	1.31	53.25	4,902.11	347.10	6.42	-347.04	0.27	-0.27	1.05
5,011.00	1.01	49.89	4,997.09	348.29	7.93	-348.22	0.32	-0.32	-3.54
5,107.00	4.55	160.89	5,092.99	345.24	9.82	-345.15	5.21	3.69	115.63
5,202.00	13.46	166.30	5,186.72	330.90	13.68	-330.79	9.41	9.38	5.69

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<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Compass_US

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,297.00	21.37	171.60	5,277.30	302.99	18.84	-302.84	8.48	8.33	5.58
5,391.00	28.19	175.60	5,362.60	263.87	23.05	-263.68	7.47	7.26	4.26
5,487.00	35.33	176.44	5,444.18	213.49	26.51	-213.28	7.45	7.44	0.88
5,583.00	42.11	183.23	5,519.07	153.55	26.42	-153.34	8.33	7.06	7.07
5,630.00	45.98	187.73	5,552.85	121.05	23.26	-120.87	10.58	8.23	9.57
5,677.00	47.24	189.54	5,585.14	87.29	18.13	-87.15	3.88	2.68	3.85
5,724.00	51.76	188.95	5,615.66	52.02	12.39	-51.93	9.66	9.62	-1.26
5,773.00	56.34	189.17	5,644.42	12.86	6.15	-12.81	9.35	9.35	0.45
5,820.00	62.41	188.96	5,668.35	-27.06	-0.22	27.06	12.92	12.91	-0.45
5,868.00	64.98	186.06	5,689.62	-69.71	-5.83	69.67	7.62	5.35	-6.04
5,915.00	68.93	182.90	5,708.02	-112.81	-9.19	112.74	10.43	8.40	-6.72
5,964.00	70.70	180.24	5,724.93	-158.78	-10.44	158.70	6.25	3.61	-5.43
6,011.00	73.69	178.63	5,739.30	-203.52	-10.00	203.44	7.15	6.36	-3.43
6,059.00	78.99	178.06	5,750.63	-250.13	-8.65	250.05	11.10	11.04	-1.19
6,105.00	83.08	178.27	5,757.80	-295.53	-7.19	295.47	8.90	8.89	0.45
<b>100' Entry</b>									
6,106.00	83.17	178.27	5,757.92	-296.52	-7.16	296.46	8.90	8.89	0.44
6,154.00	85.56	178.09	5,762.63	-344.26	-5.64	344.21	4.99	4.98	-0.38
6,250.00	89.12	177.44	5,767.08	-440.07	-1.90	440.05	3.77	3.71	-0.68
6,345.00	88.96	176.57	5,768.68	-534.93	3.06	534.94	0.93	-0.17	-0.92
6,440.00	89.63	175.99	5,769.84	-629.72	9.22	629.77	0.93	0.71	-0.61
6,535.00	91.32	176.43	5,769.06	-724.51	15.50	724.60	1.84	1.78	0.46
6,631.00	90.34	177.64	5,767.67	-820.36	20.47	820.50	1.62	-1.02	1.26
6,726.00	88.97	177.07	5,768.24	-915.26	24.85	915.42	1.56	-1.44	-0.60
6,821.00	90.66	180.05	5,768.55	-1,010.21	27.24	1,010.39	3.61	1.78	3.14
6,915.00	89.88	179.99	5,768.10	-1,104.21	27.20	1,104.39	0.83	-0.83	-0.06
7,011.00	90.45	178.80	5,767.83	-1,200.20	28.22	1,200.39	1.37	0.59	-1.24
7,106.00	91.48	178.04	5,766.23	-1,295.15	30.84	1,295.35	1.35	1.08	-0.80
7,201.00	92.44	177.53	5,762.98	-1,390.02	34.51	1,390.25	1.14	1.01	-0.54
7,296.00	91.95	179.63	5,759.34	-1,484.92	36.86	1,485.16	2.27	-0.52	2.21
7,391.00	90.50	182.45	5,757.31	-1,579.87	35.13	1,580.09	3.34	-1.53	2.97
7,487.00	89.87	182.37	5,757.00	-1,675.78	31.10	1,675.97	0.66	-0.66	-0.08
7,581.00	89.40	181.53	5,757.60	-1,769.73	27.90	1,769.89	1.02	-0.50	-0.89
7,676.00	89.00	181.17	5,758.92	-1,864.69	25.66	1,864.83	0.57	-0.42	-0.38
7,772.00	88.66	180.76	5,760.88	-1,960.66	24.04	1,960.78	0.55	-0.35	-0.43
7,867.00	87.73	180.18	5,763.87	-2,055.61	23.26	2,055.72	1.15	-0.98	-0.61
7,961.00	88.45	179.73	5,767.01	-2,149.55	23.34	2,149.67	0.90	0.77	-0.48
8,055.00	87.97	179.03	5,769.94	-2,243.50	24.36	2,243.62	0.90	-0.51	-0.74
8,149.00	89.55	177.75	5,771.98	-2,337.44	27.00	2,337.57	2.16	1.68	-1.36
8,245.00	90.81	178.45	5,771.68	-2,433.38	30.18	2,433.54	1.50	1.31	0.73
8,340.00	90.26	178.44	5,770.79	-2,528.34	32.76	2,528.52	0.58	-0.58	-0.01
8,436.00	90.16	177.81	5,770.44	-2,624.29	35.90	2,624.49	0.66	-0.10	-0.66
8,532.00	90.11	176.71	5,770.21	-2,720.18	40.49	2,720.41	1.15	-0.05	-1.15

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<b>Well:</b>	Horsetail #07E-1803	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Compass_US

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,625.00	90.29	177.50	5,769.89	-2,813.06	45.18	2,813.32	0.87	0.19	0.85
8,721.00	91.07	179.29	5,768.75	-2,909.01	47.87	2,909.29	2.03	0.81	1.86
8,816.00	91.94	179.05	5,766.25	-3,003.96	49.25	3,004.25	0.95	0.92	-0.25
8,908.00	92.20	178.73	5,762.93	-3,095.89	51.03	3,096.19	0.45	0.28	-0.35
8,999.00	91.49	176.64	5,760.00	-3,186.76	54.70	3,187.09	2.42	-0.78	-2.30
9,090.00	90.50	173.95	5,758.42	-3,277.43	62.17	3,277.81	3.15	-1.09	-2.96
9,182.00	90.12	174.23	5,757.92	-3,368.94	71.64	3,369.39	0.51	-0.41	0.30
9,274.00	92.71	177.71	5,755.65	-3,460.66	78.10	3,461.16	4.71	2.82	3.78
9,365.00	93.18	178.29	5,750.97	-3,551.49	81.27	3,552.01	0.82	0.52	0.64
9,457.00	91.95	177.80	5,746.86	-3,643.34	84.41	3,643.88	1.44	-1.34	-0.53
9,548.00	91.26	179.59	5,744.31	-3,734.27	86.48	3,734.83	2.11	-0.76	1.97
9,639.00	89.42	181.00	5,743.77	-3,825.27	86.01	3,825.81	2.55	-2.02	1.55
9,731.00	90.22	181.80	5,744.06	-3,917.24	83.76	3,917.76	1.23	0.87	0.87
9,823.00	89.25	182.77	5,744.48	-4,009.16	80.10	4,009.66	1.49	-1.05	1.05
9,914.00	90.21	183.08	5,744.91	-4,100.04	75.45	4,100.50	1.11	1.05	0.34
10,006.00	88.37	181.93	5,746.05	-4,191.94	71.43	4,192.36	2.36	-2.00	-1.25
10,099.00	88.08	182.00	5,748.93	-4,284.84	68.24	4,285.24	0.32	-0.31	0.08
10,191.00	89.14	181.17	5,751.16	-4,376.77	65.70	4,377.15	1.46	1.15	-0.90
10,283.00	88.94	179.88	5,752.70	-4,468.76	64.86	4,469.12	1.42	-0.22	-1.40
10,375.00	90.29	179.73	5,753.32	-4,560.75	65.17	4,561.12	1.48	1.47	-0.16
10,466.00	91.59	180.99	5,751.83	-4,651.73	64.60	4,652.09	1.99	1.43	1.38
10,557.00	91.09	180.99	5,749.70	-4,742.69	63.03	4,743.04	0.55	-0.55	0.00
10,649.00	90.28	181.60	5,748.60	-4,834.66	60.95	4,834.99	1.10	-0.88	0.66
10,741.00	88.11	180.72	5,749.89	-4,926.63	59.09	4,926.94	2.55	-2.36	-0.96
10,831.00	88.06	180.09	5,752.90	-5,016.58	58.45	5,016.88	0.70	-0.06	-0.70
10,923.00	87.82	180.92	5,756.21	-5,108.51	57.64	5,108.80	0.94	-0.26	0.90
11,014.00	88.05	182.19	5,759.49	-5,199.42	55.17	5,199.69	1.42	0.25	1.40
11,105.00	88.26	183.89	5,762.42	-5,290.24	50.35	5,290.47	1.88	0.23	1.87
11,197.00	91.22	182.58	5,762.83	-5,382.08	45.16	5,382.27	3.52	3.22	-1.42
11,289.00	90.38	180.79	5,761.55	-5,474.03	42.45	5,474.19	2.15	-0.91	-1.95
11,380.00	89.74	180.01	5,761.46	-5,565.02	41.82	5,565.18	1.11	-0.70	-0.86
11,473.00	88.59	178.22	5,762.81	-5,658.00	43.25	5,658.16	2.29	-1.24	-1.92
11,564.00	88.83	175.60	5,764.86	-5,748.83	48.16	5,749.03	2.89	0.26	-2.88
11,656.00	88.36	177.04	5,767.12	-5,840.61	54.06	5,840.86	1.65	-0.51	1.57
11,748.00	87.76	178.45	5,770.23	-5,932.49	57.68	5,932.75	1.66	-0.65	1.53
11,839.00	88.13	178.16	5,773.49	-6,023.39	60.37	6,023.67	0.52	0.41	-0.32
11,931.00	88.14	177.45	5,776.49	-6,115.27	63.89	6,115.58	0.77	0.01	-0.77
12,023.00	89.11	179.07	5,778.70	-6,207.20	66.68	6,207.53	2.05	1.05	1.76
12,114.00	89.80	178.94	5,779.56	-6,298.18	68.26	6,298.52	0.77	0.76	-0.14
12,206.00	90.19	178.13	5,779.57	-6,390.15	70.62	6,390.50	0.98	0.42	-0.88
12,298.00	90.85	178.98	5,778.73	-6,482.11	72.94	6,482.48	1.17	0.72	0.92
12,389.00	92.01	179.84	5,776.46	-6,573.08	73.87	6,573.45	1.59	1.27	0.95
12,480.00	90.79	179.78	5,774.24	-6,664.05	74.17	6,664.42	1.34	-1.34	-0.07
12,572.00	91.23	179.39	5,772.62	-6,756.03	74.84	6,756.41	0.64	0.48	-0.42

# Precision Drilling Corporation

## Survey Report

<b>Company:</b>	WHITING PETROLEUM CORP.	<b>Local Co-ordinate Reference:</b>	Well Horsetail #07E-1803
<b>Project:</b>	Weld County, CO	<b>TVD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Site:</b>	Sec 7-T10N-R57W	<b>MD Reference:</b>	4925.6'GL+21'KB @ 4946.60usft (Unit 409)
<b>Well:</b>	Horsetail #07E-1803	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Compass_US

### Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,664.00	90.13	180.78	5,771.53	-6,848.02	74.70	6,848.39	1.93	-1.20	1.51
12,756.00	89.86	180.12	5,771.53	-6,940.02	73.98	6,940.38	0.78	-0.29	-0.72
12,847.00	89.67	179.41	5,771.91	-7,031.02	74.35	7,031.38	0.81	-0.21	-0.78
12,938.00	90.29	179.02	5,771.94	-7,122.01	75.60	7,122.38	0.80	0.68	-0.43
13,030.00	91.43	178.26	5,770.56	-7,213.97	77.78	7,214.35	1.49	1.24	-0.83
13,121.00	90.94	179.65	5,768.68	-7,304.93	79.44	7,305.33	1.62	-0.54	1.53
13,212.00	90.59	181.41	5,767.46	-7,395.92	78.60	7,396.30	1.97	-0.38	1.93
13,304.00	87.80	181.38	5,768.75	-7,487.87	76.36	7,488.24	3.03	-3.03	-0.03
13,395.00	86.94	180.95	5,772.93	-7,578.75	74.51	7,579.10	1.06	-0.95	-0.47
13,486.00	89.02	180.59	5,776.14	-7,669.68	73.29	7,670.02	2.32	2.29	-0.40
13,577.00	88.74	180.28	5,777.92	-7,760.66	72.60	7,760.99	0.46	-0.31	-0.34
13,668.00	88.36	179.46	5,780.22	-7,851.63	72.81	7,851.96	0.99	-0.42	-0.90
13,761.00	90.11	178.55	5,781.46	-7,944.61	74.42	7,944.94	2.12	1.88	-0.98
13,853.00	91.56	178.74	5,780.12	-8,036.57	76.60	8,036.92	1.59	1.58	0.21
13,863.00	91.56	178.74	5,779.85	-8,046.56	76.82	8,046.92	0.00	0.00	0.00
<b>100' Exit</b>									
13,917.00	91.56	178.74	5,778.38	-8,100.53	78.00	8,100.89	0.00	0.00	0.00
<b>BHL #1803</b>									

### Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL #1803	0.00	0.00	0.00	0.00	0.00	1,558,450.38	3,469,980.08	40.853964°N	103.801042°W
- hit/miss target									
- actual wellpath hits target center									
- Point									
BHL #1803	0.00	0.00	5,778.38	-8,100.53	78.00	1,550,352.83	3,470,213.26	40.831731°N	103.800760°W
- actual wellpath hits target center									
- Point									

### Design Annotations

	Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
			+N/-S (usft)	+E/-W (usft)	
	6,105.00	5,757.80	-295.53	-7.19	100' Entry
	13,863.00	5,779.85	-8,046.56	76.82	100' Exit