



Company: Whiting Oil & Gas
Field: Weld Co., CO
Location: Sec.26-T10N-R58W
Well: Razor Federal 26J-3510B
Borehole: Original Hole
Rig: Xtreme 18
Plan: Original Hole

PATHFINDER
A Schlumberger Company

WELL DETAILS: Razor Federal 26J-3510B

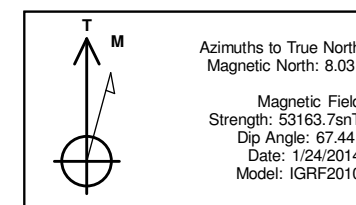
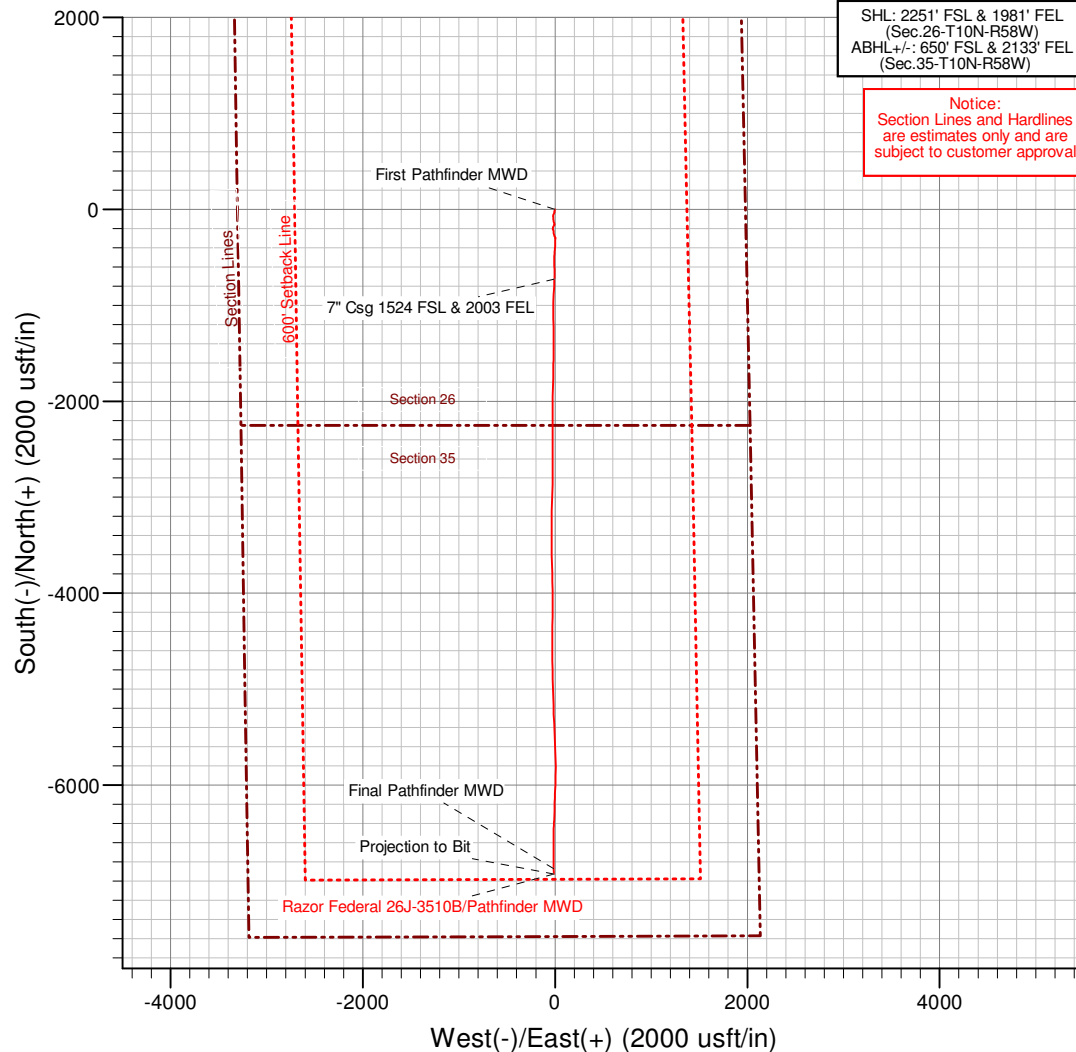
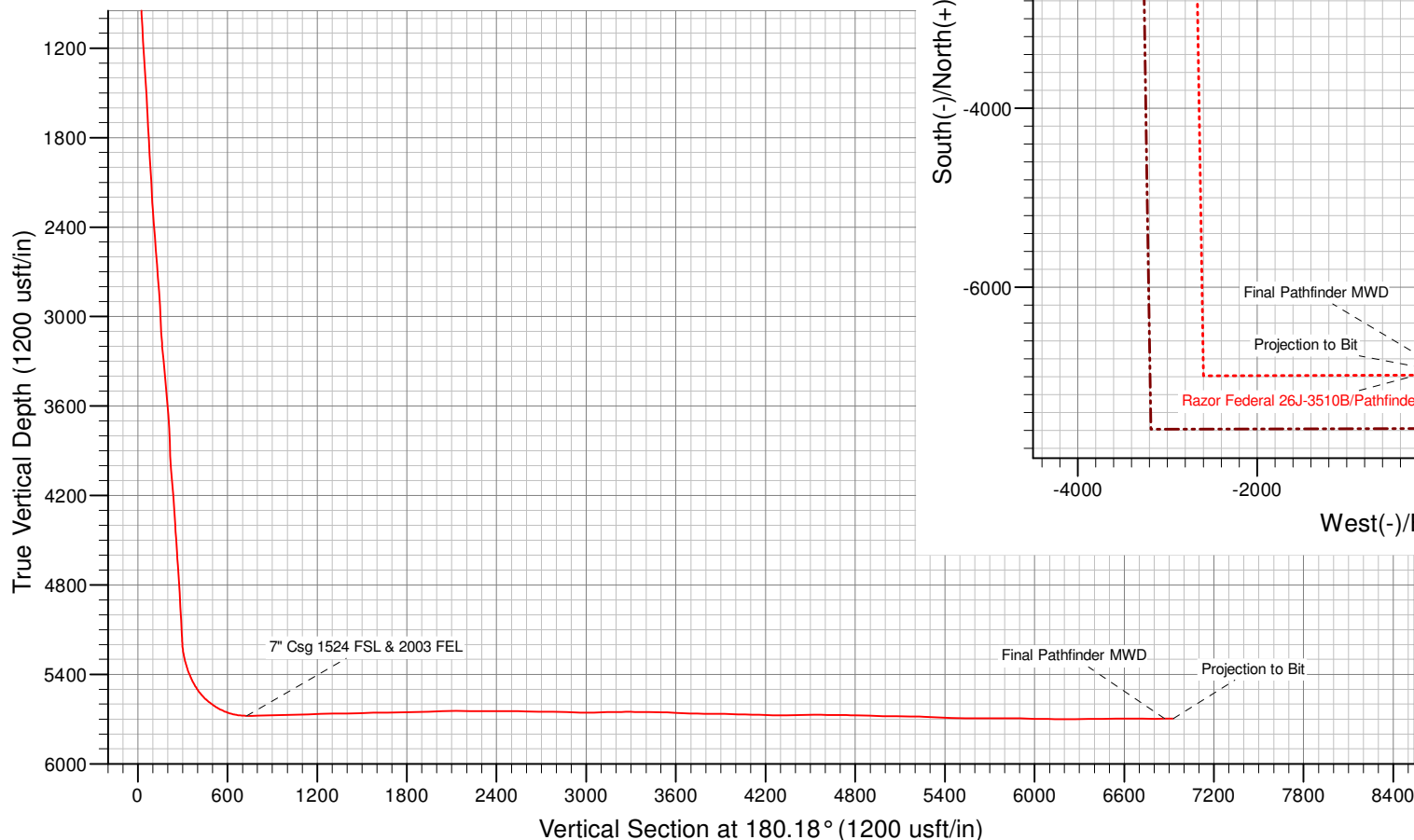
	GL 4726.00	KB @ 4743.00	ustft (Xtreme 18 KB 17')		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1541756.29	3462353.27	40° 48' 30.780 N	103° 49' 47.071 W

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL Razor Federal 26J-3510B	5675.00	-6977.04	-22.15	Point

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Tie Into Surface
137.00	137.00	0.35	261.22	-0.06	-0.41	0.07	0.42	First Pathfinder MWD
5679.00	5920.20	87.91	181.98	-726.78	-6.32	726.80	744.80	7" Csg 1524 FSL & 2003 FEL
5697.35	12066.00	90.48	179.30	-6869.36	-12.14	6869.37	6889.08	Final Pathfinder MWD
5696.87	12124.00	90.48	179.30	-6927.36	-11.43	6927.36	6947.08	Projection to Bit





Whiting Oil & Gas

Weld Co., CO

Sec.26-T10N-R58W

Razor Federal 26J-3510B

Original Hole

Survey: Pathfinder MWD

Standard Survey Report

12 June, 2014



Company:	Whiting Oil & Gas	Local Co-ordinate Reference:	Well Razor Federal 26J-3510B
Project:	Weld Co., CO	TVD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Site:	Sec.26-T10N-R58W	MD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Well:	Razor Federal 26J-3510B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

Project	Weld Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec.26-T10N-R58W					
Site Position:		Northing:	1,541,755.70	usft	Latitude:	40° 48' 30.780 N	
From:	Lat/Long	Easting:	3,462,320.33	usft	Longitude:	103° 49' 47.500 W	
Position Uncertainty:	0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	1.08 °

Well	Razor Federal 26J-3510B					
Well Position	+N/-S	0.00 usft	Northing:	1,541,756.30 usft	Latitude:	40° 48' 30.780 N
	+E/-W	0.00 usft	Easting:	3,462,353.27 usft	Longitude:	103° 49' 47.071 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	4,743.00 usft	Ground Level:	4,726.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/24/2014	8.03	67.44	53,164

Design	Original Hole				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.18	

Survey Program	Date	6/12/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
137.00	12,124.00	Pathfinder MWD (Original Hole)	Pathfinder	Pathfinder MWD	

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tie Into Surface									
137.00	0.35	261.22	137.00	-0.06	-0.41	0.07	0.26	0.26	0.00
First Pathfinder MWD									
231.00	0.62	243.43	231.00	-0.34	-1.15	0.34	0.33	0.29	-18.93
323.00	0.35	231.95	322.99	-0.73	-1.82	0.74	0.31	-0.29	-12.48
415.00	0.70	230.32	414.99	-1.26	-2.47	1.27	0.38	0.38	-1.77
508.00	1.49	191.62	507.97	-2.81	-3.15	2.82	1.12	0.85	-41.61
599.00	2.46	181.51	598.92	-5.92	-3.44	5.93	1.13	1.07	-11.11
691.00	3.17	175.34	690.81	-10.43	-3.29	10.44	0.84	0.77	-6.71



Company:	Whiting Oil & Gas	Local Co-ordinate Reference:	Well Razor Federal 26J-3510B
Project:	Weld Co., CO	TVD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Site:	Sec.26-T10N-R58W	MD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Well:	Razor Federal 26J-3510B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
783.00	2.64	172.30	782.69	-15.07	-2.80	15.07	0.60	-0.58	-3.30
875.00	3.34	182.45	874.56	-19.84	-2.63	19.85	0.95	0.76	11.03
967.00	3.08	197.39	966.42	-24.88	-3.48	24.89	0.95	-0.28	16.24
1,060.00	2.99	203.78	1,059.29	-29.48	-5.21	29.50	0.38	-0.10	6.87
1,153.00	4.13	197.24	1,152.11	-34.90	-7.18	34.92	1.30	1.23	-7.03
1,245.00	3.61	200.83	1,243.90	-40.77	-9.19	40.80	0.62	-0.57	3.90
1,337.00	3.69	204.41	1,335.71	-46.18	-11.44	46.21	0.26	0.09	3.89
1,430.00	3.69	205.48	1,428.52	-51.60	-13.97	51.65	0.07	0.00	1.15
1,521.00	3.52	205.48	1,519.34	-56.77	-16.43	56.82	0.19	-0.19	0.00
1,609.00	3.61	206.58	1,607.17	-61.68	-18.83	61.74	0.13	0.10	1.25
1,640.00	3.52	205.82	1,638.11	-63.41	-19.68	63.48	0.33	-0.29	-2.45
1,732.00	3.34	160.18	1,729.96	-68.48	-20.00	68.54	2.90	-0.20	-49.61
1,825.00	3.43	175.44	1,822.80	-73.80	-18.86	73.86	0.97	0.10	16.41
1,918.00	2.90	170.82	1,915.66	-78.90	-18.27	78.95	0.63	-0.57	-4.97
2,010.00	3.43	180.67	2,007.52	-83.94	-17.93	84.00	0.82	0.58	10.71
2,102.00	3.25	178.91	2,099.36	-89.30	-17.91	89.36	0.23	-0.20	-1.91
2,194.00	3.08	180.25	2,191.22	-94.38	-17.87	94.44	0.20	-0.18	1.46
2,287.00	4.22	174.33	2,284.03	-100.29	-17.54	100.34	1.29	1.23	-6.37
2,378.00	4.40	173.25	2,374.77	-107.09	-16.80	107.14	0.22	0.20	-1.19
2,469.00	4.31	167.75	2,465.51	-113.89	-15.67	113.94	0.47	-0.10	-6.04
2,561.00	4.48	166.38	2,557.24	-120.76	-14.09	120.81	0.22	0.18	-1.49
2,653.00	4.48	163.15	2,648.96	-127.69	-12.20	127.73	0.27	0.00	-3.51
2,746.00	4.13	170.35	2,741.70	-134.47	-10.59	134.51	0.69	-0.38	7.74
2,838.00	4.13	166.60	2,833.46	-140.96	-9.26	140.99	0.29	0.00	-4.08
2,931.00	4.04	159.12	2,926.22	-147.28	-7.32	147.30	0.58	-0.10	-8.04
3,023.00	3.08	169.30	3,018.05	-152.74	-5.70	152.75	1.25	-1.04	11.07
3,116.00	2.73	180.32	3,110.93	-157.41	-5.25	157.42	0.71	-0.38	11.85
3,206.00	5.45	209.63	3,200.70	-163.27	-7.38	163.29	3.72	3.02	32.57
3,299.00	5.89	209.19	3,293.24	-171.27	-11.89	171.31	0.48	0.47	-0.47
3,391.00	6.07	209.72	3,384.74	-179.62	-16.60	179.67	0.20	0.20	0.58
3,483.00	5.10	194.65	3,476.31	-187.80	-20.05	187.86	1.90	-1.05	-16.38
3,576.00	5.28	189.75	3,568.93	-196.01	-21.82	196.08	0.51	0.19	-5.27
3,668.00	4.31	171.78	3,660.61	-203.61	-22.04	203.68	1.93	-1.05	-19.53
3,759.00	3.34	157.62	3,751.41	-209.44	-20.54	209.51	1.48	-1.07	-15.56
3,852.00	2.20	139.16	3,844.30	-213.30	-18.34	213.36	1.54	-1.23	-19.85
3,944.00	2.46	156.98	3,936.23	-216.45	-16.42	216.50	0.83	0.28	19.37
4,036.00	4.92	175.76	4,028.03	-222.21	-15.35	222.25	2.94	2.67	20.41
4,128.00	4.92	176.25	4,119.69	-230.08	-14.80	230.12	0.05	0.00	0.53
4,221.00	4.57	173.10	4,212.37	-237.73	-14.10	237.78	0.47	-0.38	-3.39
4,313.00	3.69	171.65	4,304.13	-244.30	-13.23	244.34	0.96	-0.96	-1.58
4,404.00	2.81	169.31	4,394.99	-249.39	-12.39	249.43	0.98	-0.97	-2.57
4,497.00	4.04	177.40	4,487.82	-254.90	-11.82	254.94	1.42	1.32	8.70
4,589.00	3.34	168.51	4,579.63	-260.77	-11.14	260.80	0.98	-0.76	-9.66



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Well:	Razor Federal 26J-3510B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)	
4,681.00	5.10	160.12	4,671.38	-267.24	-9.21	267.27	2.02	1.91	-9.12	
4,773.00	4.40	156.67	4,763.06	-274.33	-6.42	274.35	0.82	-0.76	-3.75	
4,865.00	3.69	135.20	4,854.84	-279.67	-2.94	279.68	1.80	-0.77	-23.34	
4,958.00	3.34	168.42	4,947.67	-284.45	-0.29	284.45	2.19	-0.38	35.72	
5,051.00	3.17	160.71	5,040.52	-289.53	1.11	289.52	0.50	-0.18	-8.29	
5,143.00	3.25	159.14	5,132.38	-294.37	2.88	294.35	0.13	0.09	-1.71	
5,173.00	2.81	150.76	5,162.33	-295.80	3.54	295.79	2.08	-1.47	-27.93	
5,204.00	3.96	164.57	5,193.28	-297.50	4.19	297.48	4.52	3.71	44.55	
5,235.00	6.33	175.44	5,224.15	-300.23	4.61	300.22	8.23	7.65	35.06	
5,326.00	14.60	185.45	5,313.57	-316.68	3.92	316.67	9.27	9.09	11.00	
5,357.00	16.97	184.85	5,343.40	-325.08	3.17	325.07	7.66	7.65	-1.94	
5,388.00	19.35	184.00	5,372.85	-334.71	2.43	334.70	7.72	7.68	-2.74	
5,419.00	22.07	182.55	5,401.85	-345.65	1.81	345.65	8.93	8.77	-4.68	
5,450.00	25.15	182.94	5,430.25	-358.05	1.21	358.05	9.95	9.94	1.26	
5,480.00	28.40	181.44	5,457.03	-371.56	0.71	371.55	11.06	10.83	-5.00	
5,510.00	31.48	181.85	5,483.02	-386.52	0.27	386.52	10.29	10.27	1.37	
5,541.00	35.44	182.68	5,508.88	-403.60	-0.41	403.60	12.86	12.77	2.68	
5,571.00	39.75	183.55	5,532.64	-421.87	-1.41	421.87	14.47	14.37	2.90	
5,601.00	44.14	184.47	5,554.95	-441.86	-2.82	441.87	14.78	14.63	3.07	
5,632.00	49.15	186.10	5,576.23	-464.30	-4.91	464.31	16.61	16.16	5.26	
5,662.00	53.38	185.66	5,594.99	-487.57	-7.30	487.59	14.15	14.10	-1.47	
5,692.00	56.45	182.58	5,612.24	-512.05	-9.05	512.08	13.24	10.23	-10.27	
5,722.00	60.06	177.86	5,628.03	-537.55	-9.13	537.57	17.99	12.03	-15.73	
5,753.00	64.72	176.46	5,642.39	-564.97	-7.76	565.00	15.56	15.03	-4.52	
5,783.00	69.12	177.21	5,654.15	-592.52	-6.24	592.54	14.85	14.67	2.50	
5,813.00	74.30	178.70	5,663.56	-620.98	-5.23	620.99	17.90	17.27	4.97	
5,844.00	78.96	179.86	5,670.73	-651.13	-4.85	651.14	15.47	15.03	3.74	
5,870.00	82.66	180.96	5,674.88	-676.79	-5.04	676.80	14.83	14.23	4.23	
5,920.20	87.91	181.98	5,679.00	-726.78	-6.32	726.80	10.66	10.46	2.04	
7" Csg 1524 FSL & 2003 FEL										
5,954.00	91.45	182.67	5,679.19	-760.55	-7.70	760.57	10.66	10.47	2.03	
5,996.00	91.63	182.93	5,678.06	-802.49	-9.75	802.51	0.75	0.43	0.62	
6,080.00	92.15	183.23	5,675.29	-886.32	-14.26	886.36	0.71	0.62	0.36	
6,164.00	91.63	182.29	5,672.52	-970.17	-18.30	970.23	1.28	-0.62	-1.12	
6,249.00	90.84	178.37	5,670.69	-1,055.14	-18.79	1,055.19	4.70	-0.93	-4.61	
6,333.00	91.45	178.50	5,669.01	-1,139.09	-16.50	1,139.13	0.74	0.73	0.15	
6,418.00	92.77	178.59	5,665.88	-1,224.00	-14.34	1,224.04	1.56	1.55	0.11	
6,503.00	90.04	180.29	5,663.80	-1,308.96	-13.51	1,309.00	3.78	-3.21	2.00	
6,591.00	91.54	179.86	5,662.58	-1,396.95	-13.63	1,396.98	1.77	1.70	-0.49	
6,678.00	91.19	180.63	5,660.51	-1,483.92	-14.00	1,483.96	0.97	-0.40	0.89	
6,770.00	92.07	181.86	5,657.89	-1,575.86	-16.00	1,575.90	1.64	0.96	1.34	
6,864.00	90.13	180.63	5,656.09	-1,669.81	-18.04	1,669.86	2.44	-2.06	-1.31	
6,956.00	90.92	181.00	5,655.25	-1,761.80	-19.35	1,761.85	0.95	0.86	0.40	
7,048.00	91.54	181.14	5,653.27	-1,853.76	-21.06	1,853.82	0.69	0.67	0.15	



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
7,141.00	92.42	180.48	5,650.06	-1,946.70	-22.38	1,946.76	1.18	0.95	-0.71
7,232.00	91.19	180.02	5,647.19	-2,037.65	-22.77	2,037.71	1.44	-1.35	-0.51
7,324.00	90.31	179.45	5,645.99	-2,129.64	-22.35	2,129.70	1.14	-0.96	-0.62
7,416.00	89.60	180.65	5,646.06	-2,221.64	-22.43	2,221.70	1.52	-0.77	1.30
7,508.00	89.69	179.72	5,646.63	-2,313.63	-22.73	2,313.69	1.02	0.10	-1.01
7,600.00	89.16	179.93	5,647.55	-2,405.63	-22.44	2,405.69	0.62	-0.58	0.23
7,692.00	90.04	179.88	5,648.20	-2,497.62	-22.29	2,497.68	0.96	0.96	-0.05
7,785.00	88.99	180.09	5,648.98	-2,590.62	-22.27	2,590.68	1.15	-1.13	0.23
7,877.00	89.87	180.13	5,649.90	-2,682.61	-22.44	2,682.67	0.96	0.96	0.04
7,970.00	88.72	181.08	5,651.04	-2,775.60	-23.43	2,775.66	1.60	-1.24	1.02
8,062.00	88.02	181.26	5,653.66	-2,867.54	-25.30	2,867.61	0.79	-0.76	0.20
8,154.00	89.08	181.68	5,655.99	-2,959.48	-27.66	2,959.55	1.24	1.15	0.46
8,246.00	90.92	182.34	5,655.99	-3,051.42	-30.89	3,051.50	2.12	2.00	0.72
8,337.00	91.45	181.37	5,654.10	-3,142.35	-33.84	3,142.44	1.21	0.58	-1.07
8,429.00	91.01	179.52	5,652.13	-3,234.32	-34.55	3,234.42	2.07	-0.48	-2.01
8,521.00	88.37	179.99	5,652.63	-3,326.31	-34.16	3,326.40	2.91	-2.87	0.51
8,613.00	89.96	180.32	5,653.97	-3,418.30	-34.40	3,418.39	1.77	1.73	0.36
8,706.00	89.25	179.13	5,654.61	-3,511.29	-33.96	3,511.38	1.49	-0.76	-1.28
8,799.00	86.53	178.82	5,658.03	-3,604.21	-32.30	3,604.29	2.94	-2.92	-0.33
8,891.00	87.93	178.92	5,662.48	-3,696.08	-30.48	3,696.16	1.53	1.52	0.11
8,983.00	89.78	179.26	5,664.32	-3,788.04	-29.02	3,788.12	2.04	2.01	0.37
9,074.00	89.16	178.43	5,665.16	-3,879.02	-27.19	3,879.09	1.14	-0.68	-0.91
9,166.00	88.11	178.81	5,667.35	-3,970.97	-24.97	3,971.03	1.21	-1.14	0.41
9,258.00	89.34	179.68	5,669.40	-4,062.93	-23.76	4,062.99	1.64	1.34	0.95
9,351.00	87.67	180.00	5,671.82	-4,155.90	-23.50	4,155.95	1.83	-1.80	0.34
9,443.00	89.16	181.08	5,674.37	-4,247.85	-24.37	4,247.91	2.00	1.62	1.17
9,535.00	90.66	181.32	5,674.51	-4,339.83	-26.30	4,339.89	1.65	1.63	0.26
9,627.00	91.28	180.25	5,672.96	-4,431.81	-27.56	4,431.87	1.34	0.67	-1.16
9,719.00	90.13	179.62	5,671.82	-4,523.80	-27.45	4,523.86	1.43	-1.25	-0.68
9,811.00	88.72	179.50	5,672.75	-4,615.79	-26.75	4,615.85	1.54	-1.53	-0.13
9,903.00	90.40	179.76	5,673.45	-4,707.78	-26.15	4,707.84	1.85	1.83	0.28
9,996.00	88.46	178.55	5,674.38	-4,800.76	-24.78	4,800.82	2.46	-2.09	-1.30
10,089.00	87.93	178.99	5,677.31	-4,893.69	-22.79	4,893.74	0.74	-0.57	0.47
10,180.00	88.64	178.85	5,680.03	-4,984.63	-21.07	4,984.68	0.80	0.78	-0.15
10,272.00	89.43	178.03	5,681.58	-5,076.59	-18.57	5,076.62	1.24	0.86	-0.89
10,364.00	89.87	178.00	5,682.14	-5,168.53	-15.38	5,168.55	0.48	0.48	-0.03
10,456.00	86.97	178.02	5,684.68	-5,260.43	-12.19	5,260.44	3.15	-3.15	0.02
10,548.00	87.41	177.98	5,689.19	-5,352.26	-8.98	5,352.26	0.48	0.48	-0.04
10,641.00	88.29	177.52	5,692.68	-5,445.12	-5.33	5,445.11	1.07	0.95	-0.49
10,733.00	89.16	177.92	5,694.73	-5,537.03	-1.67	5,537.00	1.04	0.95	0.43
10,826.00	89.52	177.45	5,695.80	-5,629.94	2.08	5,629.91	0.64	0.39	-0.51
10,919.00	90.22	178.12	5,696.01	-5,722.87	5.68	5,722.83	1.04	0.75	0.72
11,010.00	89.87	178.86	5,695.94	-5,813.84	8.08	5,813.79	0.90	-0.38	0.81



Company:	Whiting Oil & Gas	Local Co-ordinate Reference:	Well Razor Federal 26J-3510B
Project:	Weld Co., CO	TVD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Site:	Sec.26-T10N-R58W	MD Reference:	KB @ 4743.00usft (Xtreme 18 KB 17')
Well:	Razor Federal 26J-3510B	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
11,103.00	89.69	181.53	5,696.29	-5,906.83	7.76	5,906.78	2.88	-0.19	2.87
11,194.00	88.64	182.96	5,697.62	-5,997.75	4.20	5,997.71	1.95	-1.15	1.57
11,286.00	88.72	182.42	5,699.74	-6,089.62	-0.12	6,089.59	0.59	0.09	-0.59
11,377.00	89.87	181.33	5,700.86	-6,180.56	-3.10	6,180.54	1.74	1.26	-1.20
11,468.00	90.57	182.03	5,700.51	-6,271.52	-5.77	6,271.51	1.09	0.77	0.77
11,559.00	91.10	182.91	5,699.18	-6,362.43	-9.69	6,362.43	1.13	0.58	0.97
11,650.00	90.04	180.20	5,698.28	-6,453.38	-12.16	6,453.39	3.20	-1.16	-2.98
11,741.00	90.92	180.54	5,697.52	-6,544.37	-12.74	6,544.38	1.04	0.97	0.37
11,832.00	89.78	179.93	5,696.96	-6,635.37	-13.12	6,635.38	1.42	-1.25	-0.67
11,916.00	89.69	179.85	5,697.35	-6,719.37	-12.96	6,719.38	0.14	-0.11	-0.10
12,000.00	89.96	179.77	5,697.60	-6,803.37	-12.68	6,803.37	0.34	0.32	-0.10
12,066.00	90.48	179.30	5,697.35	-6,869.36	-12.14	6,869.37	1.06	0.79	-0.71
Final Pathfinder MWD									
12,124.00	90.48	179.30	5,696.87	-6,927.36	-11.43	6,927.36	0.00	0.00	0.00
Projection to Bit - PBHL Razor Federal 26J-3510B									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.00	0.00	0.00	0.00	Tie Into Surface
137.00	137.00	-0.06	-0.41	First Pathfinder MWD
5,920.20	5,679.00	-726.78	-6.32	7" Csg 1524 FSL & 2003 FEL
12,066.00	5,697.35	-6,869.36	-12.14	Final Pathfinder MWD
12,124.00	5,696.87	-6,927.36	-11.43	Projection to Bit

Checked By: _____	Approved By: _____	Date: _____
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