

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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	356.1	3.12	165.07	356.0	-4.1	1.1	2.00	165.07	4.3	
4	5351.5	3.12	165.07	5344.0	-267.0	71.2	0.00	0.00	276.3	
5	5507.6	0.00	0.00	5500.0	-271.1	72.3	2.00	180.00	280.5	TARGET BHL 1980'FSL, 1980'FEL
6	9507.6	0.00	0.00	9500.0	-271.1	72.3	0.00	0.00	280.5	



Directional

Whiting Oil & Gas

SEC.26-T10N-R58W

Razor 26J-2633L Pad Sec.26-T10-R58W

Razor 26J-2633L

Wellbore #1

Plan: Plan #1 (4-19-13)

Standard Planning Report

24 April, 2013

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
356.1	3.12	165.07	356.0	-4.1	1.1	2.00	2.00	0.00	165.07	
5,351.5	3.12	165.07	5,344.0	-267.0	71.2	0.00	0.00	0.00	0.00	
5,507.6	0.00	0.00	5,500.0	-271.1	72.3	2.00	-2.00	0.00	180.00	TARGET BHL 1980
9,507.6	0.00	0.00	9,500.0	-271.1	72.3	0.00	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Razor 26J-2633L
Company:	Whiting Oil & Gas	TVD Reference:	WELL @ 4742.1ft (Original Well Elev)
Project:	SEC.26-T10N-R58W	MD Reference:	WELL @ 4742.1ft (Original Well Elev)
Site:	Razor 26J-2633L Pad Sec.26-T10-R58W	North Reference:	True
Well:	Razor 26J-2633L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-19-13)		

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
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	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
240.0	0.80	165.07	240.0	-0.3	0.1	0.3	2.00	2.00	0.00
280.0	1.60	165.07	280.0	-1.1	0.3	1.1	2.00	2.00	0.00
320.0	2.40	165.07	320.0	-2.4	0.6	2.5	2.00	2.00	0.00
356.1	3.12	165.07	356.0	-4.1	1.1	4.3	2.00	2.00	0.00
360.0	3.12	165.07	359.9	-4.3	1.1	4.5	0.00	0.00	0.00
400.0	3.12	165.07	399.9	-6.4	1.7	6.6	0.00	0.00	0.00
440.0	3.12	165.07	439.8	-8.5	2.3	8.8	0.00	0.00	0.00
480.0	3.12	165.07	479.7	-10.6	2.8	11.0	0.00	0.00	0.00
520.0	3.12	165.07	519.7	-12.7	3.4	13.2	0.00	0.00	0.00
560.0	3.12	165.07	559.6	-14.8	4.0	15.4	0.00	0.00	0.00
600.0	3.12	165.07	599.6	-16.9	4.5	17.5	0.00	0.00	0.00
640.0	3.12	165.07	639.5	-19.0	5.1	19.7	0.00	0.00	0.00
680.0	3.12	165.07	679.4	-21.2	5.6	21.9	0.00	0.00	0.00
720.0	3.12	165.07	719.4	-23.3	6.2	24.1	0.00	0.00	0.00
760.0	3.12	165.07	759.3	-25.4	6.8	26.2	0.00	0.00	0.00
800.0	3.12	165.07	799.3	-27.5	7.3	28.4	0.00	0.00	0.00
840.0	3.12	165.07	839.2	-29.6	7.9	30.6	0.00	0.00	0.00
880.0	3.12	165.07	879.1	-31.7	8.4	32.8	0.00	0.00	0.00
920.0	3.12	165.07	919.1	-33.8	9.0	35.0	0.00	0.00	0.00
960.0	3.12	165.07	959.0	-35.9	9.6	37.1	0.00	0.00	0.00
1,000.0	3.12	165.07	999.0	-38.0	10.1	39.3	0.00	0.00	0.00
1,040.0	3.12	165.07	1,038.9	-40.1	10.7	41.5	0.00	0.00	0.00
1,080.0	3.12	165.07	1,078.8	-42.2	11.2	43.7	0.00	0.00	0.00
1,120.0	3.12	165.07	1,118.8	-44.3	11.8	45.8	0.00	0.00	0.00
1,160.0	3.12	165.07	1,158.7	-46.4	12.4	48.0	0.00	0.00	0.00
1,200.0	3.12	165.07	1,198.7	-48.5	12.9	50.2	0.00	0.00	0.00
1,240.0	3.12	165.07	1,238.6	-50.6	13.5	52.4	0.00	0.00	0.00
1,280.0	3.12	165.07	1,278.6	-52.7	14.1	54.6	0.00	0.00	0.00
1,320.0	3.12	165.07	1,318.5	-54.8	14.6	56.7	0.00	0.00	0.00
1,360.0	3.12	165.07	1,358.4	-56.9	15.2	58.9	0.00	0.00	0.00
1,400.0	3.12	165.07	1,398.4	-59.0	15.7	61.1	0.00	0.00	0.00
1,440.0	3.12	165.07	1,438.3	-61.1	16.3	63.3	0.00	0.00	0.00
1,480.0	3.12	165.07	1,478.3	-63.2	16.9	65.5	0.00	0.00	0.00
1,501.8	3.12	165.07	1,500.0	-64.4	17.2	66.6	0.00	0.00	0.00
8 5/8"									
1,520.0	3.12	165.07	1,518.2	-65.3	17.4	67.6	0.00	0.00	0.00
1,560.0	3.12	165.07	1,558.1	-67.5	18.0	69.8	0.00	0.00	0.00
1,600.0	3.12	165.07	1,598.1	-69.6	18.5	72.0	0.00	0.00	0.00
1,640.0	3.12	165.07	1,638.0	-71.7	19.1	74.2	0.00	0.00	0.00
1,680.0	3.12	165.07	1,678.0	-73.8	19.7	76.3	0.00	0.00	0.00
1,720.0	3.12	165.07	1,717.9	-75.9	20.2	78.5	0.00	0.00	0.00
1,760.0	3.12	165.07	1,757.8	-78.0	20.8	80.7	0.00	0.00	0.00
1,800.0	3.12	165.07	1,797.8	-80.1	21.3	82.9	0.00	0.00	0.00
1,840.0	3.12	165.07	1,837.7	-82.2	21.9	85.1	0.00	0.00	0.00
1,880.0	3.12	165.07	1,877.7	-84.3	22.5	87.2	0.00	0.00	0.00
1,920.0	3.12	165.07	1,917.6	-86.4	23.0	89.4	0.00	0.00	0.00
1,960.0	3.12	165.07	1,957.5	-88.5	23.6	91.6	0.00	0.00	0.00
2,000.0	3.12	165.07	1,997.5	-90.6	24.2	93.8	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Razor 26J-2633L
Company:	Whiting Oil & Gas	TVD Reference:	WELL @ 4742.1ft (Original Well Elev)
Project:	SEC.26-T10N-R58W	MD Reference:	WELL @ 4742.1ft (Original Well Elev)
Site:	Razor 26J-2633L Pad Sec.26-T10-R58W	North Reference:	True
Well:	Razor 26J-2633L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-19-13)		

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)	
2,040.0	3.12	165.07	2,037.4	-92.7	24.7	95.9	0.00	0.00	0.00	
2,080.0	3.12	165.07	2,077.4	-94.8	25.3	98.1	0.00	0.00	0.00	
2,120.0	3.12	165.07	2,117.3	-96.9	25.8	100.3	0.00	0.00	0.00	
2,160.0	3.12	165.07	2,157.2	-99.0	26.4	102.5	0.00	0.00	0.00	
2,200.0	3.12	165.07	2,197.2	-101.1	27.0	104.7	0.00	0.00	0.00	
2,240.0	3.12	165.07	2,237.1	-103.2	27.5	106.8	0.00	0.00	0.00	
2,280.0	3.12	165.07	2,277.1	-105.3	28.1	109.0	0.00	0.00	0.00	
2,320.0	3.12	165.07	2,317.0	-107.4	28.6	111.2	0.00	0.00	0.00	
2,360.0	3.12	165.07	2,356.9	-109.5	29.2	113.4	0.00	0.00	0.00	
2,400.0	3.12	165.07	2,396.9	-111.7	29.8	115.6	0.00	0.00	0.00	
2,440.0	3.12	165.07	2,436.8	-113.8	30.3	117.7	0.00	0.00	0.00	
2,480.0	3.12	165.07	2,476.8	-115.9	30.9	119.9	0.00	0.00	0.00	
2,520.0	3.12	165.07	2,516.7	-118.0	31.4	122.1	0.00	0.00	0.00	
2,560.0	3.12	165.07	2,556.7	-120.1	32.0	124.3	0.00	0.00	0.00	
2,600.0	3.12	165.07	2,596.6	-122.2	32.6	126.4	0.00	0.00	0.00	
2,640.0	3.12	165.07	2,636.5	-124.3	33.1	128.6	0.00	0.00	0.00	
2,680.0	3.12	165.07	2,676.5	-126.4	33.7	130.8	0.00	0.00	0.00	
2,720.0	3.12	165.07	2,716.4	-128.5	34.3	133.0	0.00	0.00	0.00	
2,760.0	3.12	165.07	2,756.4	-130.6	34.8	135.2	0.00	0.00	0.00	
2,800.0	3.12	165.07	2,796.3	-132.7	35.4	137.3	0.00	0.00	0.00	
2,840.0	3.12	165.07	2,836.2	-134.8	35.9	139.5	0.00	0.00	0.00	
2,880.0	3.12	165.07	2,876.2	-136.9	36.5	141.7	0.00	0.00	0.00	
2,920.0	3.12	165.07	2,916.1	-139.0	37.1	143.9	0.00	0.00	0.00	
2,960.0	3.12	165.07	2,956.1	-141.1	37.6	146.0	0.00	0.00	0.00	
3,000.0	3.12	165.07	2,996.0	-143.2	38.2	148.2	0.00	0.00	0.00	
3,040.0	3.12	165.07	3,035.9	-145.3	38.7	150.4	0.00	0.00	0.00	
3,080.0	3.12	165.07	3,075.9	-147.4	39.3	152.6	0.00	0.00	0.00	
3,120.0	3.12	165.07	3,115.8	-149.5	39.9	154.8	0.00	0.00	0.00	
3,160.0	3.12	165.07	3,155.8	-151.6	40.4	156.9	0.00	0.00	0.00	
3,200.0	3.12	165.07	3,195.7	-153.7	41.0	159.1	0.00	0.00	0.00	
3,240.0	3.12	165.07	3,235.6	-155.9	41.5	161.3	0.00	0.00	0.00	
3,280.0	3.12	165.07	3,275.6	-158.0	42.1	163.5	0.00	0.00	0.00	
3,320.0	3.12	165.07	3,315.5	-160.1	42.7	165.6	0.00	0.00	0.00	
3,360.0	3.12	165.07	3,355.5	-162.2	43.2	167.8	0.00	0.00	0.00	
3,400.0	3.12	165.07	3,395.4	-164.3	43.8	170.0	0.00	0.00	0.00	
3,440.0	3.12	165.07	3,435.3	-166.4	44.3	172.2	0.00	0.00	0.00	
3,480.0	3.12	165.07	3,475.3	-168.5	44.9	174.4	0.00	0.00	0.00	
3,520.0	3.12	165.07	3,515.2	-170.6	45.5	176.5	0.00	0.00	0.00	
3,560.0	3.12	165.07	3,555.2	-172.7	46.0	178.7	0.00	0.00	0.00	
3,600.0	3.12	165.07	3,595.1	-174.8	46.6	180.9	0.00	0.00	0.00	
3,640.0	3.12	165.07	3,635.1	-176.9	47.2	183.1	0.00	0.00	0.00	
3,680.0	3.12	165.07	3,675.0	-179.0	47.7	185.3	0.00	0.00	0.00	
3,720.0	3.12	165.07	3,714.9	-181.1	48.3	187.4	0.00	0.00	0.00	
3,760.0	3.12	165.07	3,754.9	-183.2	48.8	189.6	0.00	0.00	0.00	
3,800.0	3.12	165.07	3,794.8	-185.3	49.4	191.8	0.00	0.00	0.00	
3,840.0	3.12	165.07	3,834.8	-187.4	50.0	194.0	0.00	0.00	0.00	
3,880.0	3.12	165.07	3,874.7	-189.5	50.5	196.1	0.00	0.00	0.00	
3,920.0	3.12	165.07	3,914.6	-191.6	51.1	198.3	0.00	0.00	0.00	
3,960.0	3.12	165.07	3,954.6	-193.7	51.6	200.5	0.00	0.00	0.00	
4,000.0	3.12	165.07	3,994.5	-195.8	52.2	202.7	0.00	0.00	0.00	
4,040.0	3.12	165.07	4,034.5	-197.9	52.8	204.9	0.00	0.00	0.00	
4,080.0	3.12	165.07	4,074.4	-200.0	53.3	207.0	0.00	0.00	0.00	
4,120.0	3.12	165.07	4,114.3	-202.2	53.9	209.2	0.00	0.00	0.00	
4,160.0	3.12	165.07	4,154.3	-204.3	54.4	211.4	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Razor 26J-2633L
Company:	Whiting Oil & Gas	TVD Reference:	WELL @ 4742.1ft (Original Well Elev)
Project:	SEC.26-T10N-R58W	MD Reference:	WELL @ 4742.1ft (Original Well Elev)
Site:	Razor 26J-2633L Pad Sec.26-T10-R58W	North Reference:	True
Well:	Razor 26J-2633L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-19-13)		

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)
4,200.0	3.12	165.07	4,194.2	-206.4	55.0	213.6	0.00	0.00	0.00
4,240.0	3.12	165.07	4,234.2	-208.5	55.6	215.7	0.00	0.00	0.00
4,280.0	3.12	165.07	4,274.1	-210.6	56.1	217.9	0.00	0.00	0.00
4,320.0	3.12	165.07	4,314.0	-212.7	56.7	220.1	0.00	0.00	0.00
4,360.0	3.12	165.07	4,354.0	-214.8	57.3	222.3	0.00	0.00	0.00
4,400.0	3.12	165.07	4,393.9	-216.9	57.8	224.5	0.00	0.00	0.00
4,440.0	3.12	165.07	4,433.9	-219.0	58.4	226.6	0.00	0.00	0.00
4,480.0	3.12	165.07	4,473.8	-221.1	58.9	228.8	0.00	0.00	0.00
4,520.0	3.12	165.07	4,513.7	-223.2	59.5	231.0	0.00	0.00	0.00
4,560.0	3.12	165.07	4,553.7	-225.3	60.1	233.2	0.00	0.00	0.00
4,600.0	3.12	165.07	4,593.6	-227.4	60.6	235.4	0.00	0.00	0.00
4,640.0	3.12	165.07	4,633.6	-229.5	61.2	237.5	0.00	0.00	0.00
4,680.0	3.12	165.07	4,673.5	-231.6	61.7	239.7	0.00	0.00	0.00
4,720.0	3.12	165.07	4,713.4	-233.7	62.3	241.9	0.00	0.00	0.00
4,760.0	3.12	165.07	4,753.4	-235.8	62.9	244.1	0.00	0.00	0.00
4,800.0	3.12	165.07	4,793.3	-237.9	63.4	246.2	0.00	0.00	0.00
4,840.0	3.12	165.07	4,833.3	-240.0	64.0	248.4	0.00	0.00	0.00
4,880.0	3.12	165.07	4,873.2	-242.1	64.5	250.6	0.00	0.00	0.00
4,920.0	3.12	165.07	4,913.2	-244.2	65.1	252.8	0.00	0.00	0.00
4,960.0	3.12	165.07	4,953.1	-246.4	65.7	255.0	0.00	0.00	0.00
5,000.0	3.12	165.07	4,993.0	-248.5	66.2	257.1	0.00	0.00	0.00
5,040.0	3.12	165.07	5,033.0	-250.6	66.8	259.3	0.00	0.00	0.00
5,080.0	3.12	165.07	5,072.9	-252.7	67.4	261.5	0.00	0.00	0.00
5,120.0	3.12	165.07	5,112.9	-254.8	67.9	263.7	0.00	0.00	0.00
5,160.0	3.12	165.07	5,152.8	-256.9	68.5	265.8	0.00	0.00	0.00
5,200.0	3.12	165.07	5,192.7	-259.0	69.0	268.0	0.00	0.00	0.00
5,240.0	3.12	165.07	5,232.7	-261.1	69.6	270.2	0.00	0.00	0.00
5,280.0	3.12	165.07	5,272.6	-263.2	70.2	272.4	0.00	0.00	0.00
5,320.0	3.12	165.07	5,312.6	-265.3	70.7	274.6	0.00	0.00	0.00
5,351.5	3.12	165.07	5,344.0	-267.0	71.2	276.3	0.00	0.00	0.00
5,360.0	2.95	165.07	5,352.5	-267.4	71.3	276.7	2.00	-2.00	0.00
5,400.0	2.15	165.07	5,392.5	-269.1	71.7	278.5	2.00	-2.00	0.00
5,440.0	1.35	165.07	5,432.4	-270.3	72.0	279.7	2.00	-2.00	0.00
5,480.0	0.55	165.07	5,472.4	-270.9	72.2	280.4	2.00	-2.00	0.00
5,507.6	0.00	0.00	5,500.0	-271.1	72.3	280.5	2.00	-2.00	0.00
5,520.0	0.00	0.00	5,512.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,534.6	0.00	0.00	5,527.0	-271.1	72.3	280.5	0.00	0.00	0.00
NIOBRARA									
5,560.0	0.00	0.00	5,552.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,592.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,640.0	0.00	0.00	5,632.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,680.0	0.00	0.00	5,672.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,720.0	0.00	0.00	5,712.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,760.0	0.00	0.00	5,752.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,792.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,840.0	0.00	0.00	5,832.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,880.0	0.00	0.00	5,872.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,920.0	0.00	0.00	5,912.4	-271.1	72.3	280.5	0.00	0.00	0.00
5,960.0	0.00	0.00	5,952.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,992.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,040.0	0.00	0.00	6,032.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,080.0	0.00	0.00	6,072.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,120.0	0.00	0.00	6,112.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,160.0	0.00	0.00	6,152.4	-271.1	72.3	280.5	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Razor 26J-2633L
Company:	Whiting Oil & Gas	TVD Reference:	WELL @ 4742.1ft (Original Well Elev)
Project:	SEC.26-T10N-R58W	MD Reference:	WELL @ 4742.1ft (Original Well Elev)
Site:	Razor 26J-2633L Pad Sec.26-T10-R58W	North Reference:	True
Well:	Razor 26J-2633L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-19-13)		

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)
6,200.0	0.00	0.00	6,192.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,240.0	0.00	0.00	6,232.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,280.0	0.00	0.00	6,272.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,320.0	0.00	0.00	6,312.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,360.0	0.00	0.00	6,352.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,392.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,440.0	0.00	0.00	6,432.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,480.0	0.00	0.00	6,472.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,520.0	0.00	0.00	6,512.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,560.0	0.00	0.00	6,552.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,592.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,640.0	0.00	0.00	6,632.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,680.0	0.00	0.00	6,672.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,720.0	0.00	0.00	6,712.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,760.0	0.00	0.00	6,752.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,792.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,840.0	0.00	0.00	6,832.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,880.0	0.00	0.00	6,872.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,920.0	0.00	0.00	6,912.4	-271.1	72.3	280.5	0.00	0.00	0.00
6,960.0	0.00	0.00	6,952.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,992.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,040.0	0.00	0.00	7,032.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,080.0	0.00	0.00	7,072.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,120.0	0.00	0.00	7,112.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,160.0	0.00	0.00	7,152.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,192.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,240.0	0.00	0.00	7,232.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,280.0	0.00	0.00	7,272.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,320.0	0.00	0.00	7,312.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,360.0	0.00	0.00	7,352.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,392.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,440.0	0.00	0.00	7,432.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,480.0	0.00	0.00	7,472.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,520.0	0.00	0.00	7,512.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,560.0	0.00	0.00	7,552.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,592.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,640.0	0.00	0.00	7,632.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,680.0	0.00	0.00	7,672.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,720.0	0.00	0.00	7,712.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,760.0	0.00	0.00	7,752.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,792.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,840.0	0.00	0.00	7,832.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,880.0	0.00	0.00	7,872.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,920.0	0.00	0.00	7,912.4	-271.1	72.3	280.5	0.00	0.00	0.00
7,960.0	0.00	0.00	7,952.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,992.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,040.0	0.00	0.00	8,032.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,080.0	0.00	0.00	8,072.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,120.0	0.00	0.00	8,112.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,160.0	0.00	0.00	8,152.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,192.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,240.0	0.00	0.00	8,232.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,280.0	0.00	0.00	8,272.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,320.0	0.00	0.00	8,312.4	-271.1	72.3	280.5	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well Razor 26J-2633L
Company:	Whiting Oil & Gas	TVD Reference:	WELL @ 4742.1ft (Original Well Elev)
Project:	SEC.26-T10N-R58W	MD Reference:	WELL @ 4742.1ft (Original Well Elev)
Site:	Razor 26J-2633L Pad Sec.26-T10-R58W	North Reference:	True
Well:	Razor 26J-2633L	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (4-19-13)		

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)
8,360.0	0.00	0.00	8,352.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,392.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,440.0	0.00	0.00	8,432.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,480.0	0.00	0.00	8,472.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,520.0	0.00	0.00	8,512.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,560.0	0.00	0.00	8,552.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,592.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,640.0	0.00	0.00	8,632.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,680.0	0.00	0.00	8,672.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,720.0	0.00	0.00	8,712.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,760.0	0.00	0.00	8,752.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,792.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,840.0	0.00	0.00	8,832.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,880.0	0.00	0.00	8,872.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,920.0	0.00	0.00	8,912.4	-271.1	72.3	280.5	0.00	0.00	0.00
8,960.0	0.00	0.00	8,952.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,992.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,040.0	0.00	0.00	9,032.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,080.0	0.00	0.00	9,072.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,120.0	0.00	0.00	9,112.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,160.0	0.00	0.00	9,152.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,192.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,240.0	0.00	0.00	9,232.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,280.0	0.00	0.00	9,272.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,320.0	0.00	0.00	9,312.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,360.0	0.00	0.00	9,352.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,392.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,440.0	0.00	0.00	9,432.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,480.0	0.00	0.00	9,472.4	-271.1	72.3	280.5	0.00	0.00	0.00
9,507.6	0.00	0.00	9,500.0	-271.1	72.3	280.5	0.00	0.00	0.00

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (")	Hole Diameter (")
1,501.8	1,500.0	8 5/8"		8-5/8	12-1/4

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,534.6	5,527.0	NIORARA		0.00	