

BISON OIL & GAS II, LLC

WELD COUNTY, COLORADO (NAD 83)

NW SW SEC. 29 T9N R60W 6th P.M.

BASHOR FED 9-60 29-30-31-3

ORIGINAL WELLBORE

08 September, 2017

Plan: PROPOSAL #1



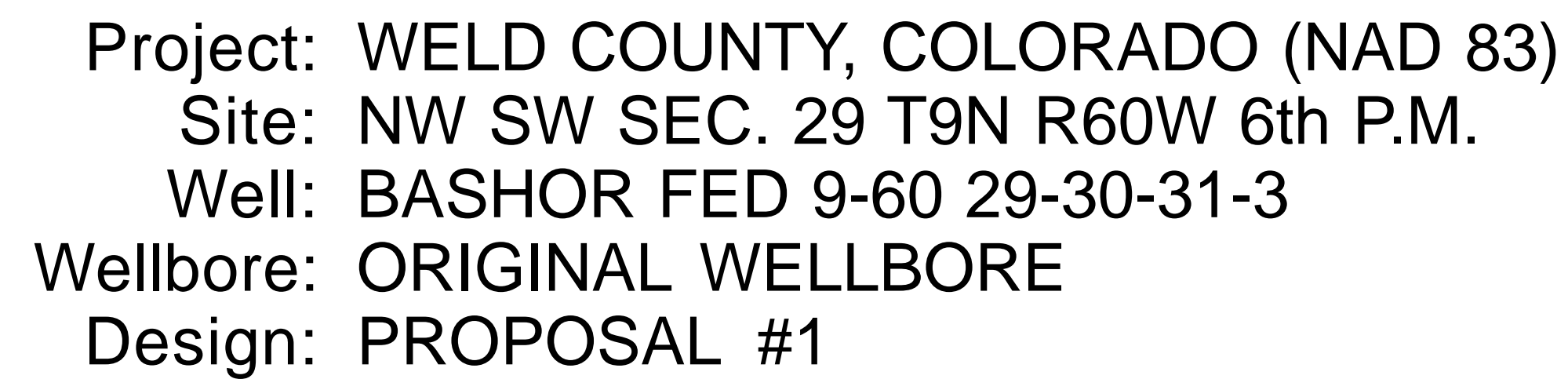


Figure 1: Vertical Section at 283.68° (500 usft/in). The graph displays the true vertical depth (500 usft/in) on the y-axis (0 to 6000) against the vertical section at 283.68° (500 usft/in) on the x-axis (0 to 3000). The blue curve represents the wellbore path. Key points and labels include: 'START NUDGE (2°/100ft BUR)' at the top, 'EOB TO 22.6° INC' indicating the end of borehole to 22.6 degrees inclination, 'END OF TANGENT' at approximately 4500 depth, 'EOD TO VERTICAL' at approximately 5500 depth, and 'KOP (10°/100ft BUR)' at approximately 5800 depth. A small wellhead icon is at the top left.

Figure 2: South(-)/North(+) (50 usft/in) vs. West(-)/East(+) (50 usft/in). This graph shows the south/north and west/east coordinates (50 usft/in) on the y-axis (-150 to 100) and x-axis (-250 to 250). Multiple purple lines represent different borehole segments, labeled 'BASHOR FED 9-60 29-30-31-1' through 'BASHOR FED 9-60 29-30-31-7'. A small wellhead icon is at the top right.

Figure 3: True Vertical Depth (400 usft/in) vs. Horizontal Distance. This graph shows the true vertical depth (400 usft/in) on the y-axis (4800 to 6800) against the horizontal distance on the x-axis (0 to 3600). The blue curve represents the wellbore path. Key points and labels include: 'END OF TANGENT' at the top, 'EOD TO VERTICAL' at approximately 5600 depth, 'KOP (10°/100ft BUR)' at approximately 5800 depth, and 'BPI: 2040ft FSL & 1416ft FEL of Sec 30' at the bottom right. A small wellhead icon is at the top left.

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BASHOR FED 9-60 29-30-31-3
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4980.7usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4980.7usft (Original Well Elev)
Site:	NW SW SEC. 29 T9N R60W 6th P.M.	North Reference:	True
Well:	BASHOR FED 9-60 29-30-31-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Project	WELD COUNTY, COLORADO (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	NW SW SEC. 29 T9N R60W 6th P.M.				
Site Position:		Northing:	1,507,696.32 usft	Latitude:	40.718911
From:	Map	Easting:	3,380,993.65 usft	Longitude:	-104.125510
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000 ft	Grid Convergence:	0.89 °

Well	BASHOR FED 9-60 29-30-31-3					
Well Position	+N/-S	-55.9 usft	Northing:	1,507,640.43 usft	Latitude:	40.718758
	+E/-W	1.0 usft	Easting:	3,380,995.54 usft	Longitude:	-104.125506
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	4,955.7 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	07/09/2017	7.87	67.20	52,595

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	191.33

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,980.7	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	-4,680.7	0.0	0.0	0.00	0.00	0.00	0.00	
1,429.9	22.60	283.68	1,400.9	-3,579.8	52.0	-213.7	2.00	2.00	0.00	283.68	
4,971.9	22.60	283.68	4,670.8	-309.9	374.0	-1,536.2	0.00	0.00	0.00	0.00	
6,101.8	0.00	0.00	5,771.7	791.0	426.0	-1,749.9	2.00	-2.00	0.00	180.00	
6,201.8	0.00	0.00	5,871.7	891.0	426.0	-1,749.9	0.00	0.00	0.00	0.00	KOP: BASHOR FED 9
7,101.8	90.00	177.40	6,444.7	1,464.0	-146.4	-1,723.9	10.00	10.00	0.00	177.40	
13,702.3	90.00	177.40	6,444.7	1,464.0	-6,740.1	-1,424.7	0.00	0.00	0.00	32.74	EPI: BASHOR FED 9
13,704.1	90.00	177.35	6,444.7	1,464.0	-6,741.8	-1,424.6	3.00	0.00	-3.00	-90.00	
14,002.1	90.00	177.36	6,444.7	1,464.0	-7,039.5	-1,410.8	0.00	0.00	0.00	132.25	BHL: BASHOR FED 9

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Site:	NW SW SEC. 29 T9N R60W 6th P.M.	North Reference:	True
Well:	BASHOR FED 9-60 29-30-31-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
SHL: 2155ft FSL & 310ft FWL of Sec 29										
0.0	0.00	0.00	0.0	4,980.70	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,880.70	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,780.70	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
300.0	0.00	0.00	300.0	4,680.70	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.00	283.68	400.0	4,580.72	0.4	-1.7	-0.1	2.00	2.00	0.00
500.0	4.00	283.68	499.8	4,480.86	1.7	-6.8	-0.3	2.00	2.00	0.00
PIERRE SHALE (BASE FOX HILLS)										
561.1	5.22	283.68	560.7	4,420.00	2.8	-11.5	-0.5	2.00	2.00	0.00
600.0	6.00	283.68	599.5	4,381.25	3.7	-15.2	-0.6	2.00	2.00	0.00
700.0	8.00	283.68	698.7	4,282.00	6.6	-27.1	-1.1	2.00	2.00	0.00
800.0	10.00	283.68	797.5	4,183.23	10.3	-42.3	-1.8	2.00	2.00	0.00
900.0	12.00	283.68	895.6	4,085.08	14.8	-60.8	-2.6	2.00	2.00	0.00
1,000.0	14.00	283.68	993.1	3,987.64	20.1	-82.7	-3.5	2.00	2.00	0.00
1,100.0	16.00	283.68	1,089.6	3,891.06	26.3	-107.8	-4.5	2.00	2.00	0.00
1,200.0	18.00	283.68	1,185.3	3,795.43	33.2	-136.2	-5.7	2.00	2.00	0.00
1,300.0	20.00	283.68	1,279.8	3,700.88	40.9	-167.9	-7.1	2.00	2.00	0.00
1,400.0	22.00	283.68	1,373.2	3,607.53	49.3	-202.7	-8.6	2.00	2.00	0.00
EOB TO 22.6° INC										
1,429.9	22.60	283.68	1,400.9	3,579.83	52.0	-213.7	-9.0	2.00	2.00	0.00
1,500.0	22.60	283.68	1,465.6	3,515.15	58.4	-239.9	-10.1	0.00	0.00	0.00
1,600.0	22.60	283.68	1,557.9	3,422.83	67.5	-277.2	-11.7	0.00	0.00	0.00
1,700.0	22.60	283.68	1,650.2	3,330.51	76.6	-314.6	-13.3	0.00	0.00	0.00
1,800.0	22.60	283.68	1,742.5	3,238.18	85.7	-351.9	-14.8	0.00	0.00	0.00
1,900.0	22.60	283.68	1,834.8	3,145.86	94.8	-389.2	-16.4	0.00	0.00	0.00
2,000.0	22.60	283.68	1,927.2	3,053.54	103.8	-426.6	-18.0	0.00	0.00	0.00
2,100.0	22.60	283.68	2,019.5	2,961.22	112.9	-463.9	-19.6	0.00	0.00	0.00
2,200.0	22.60	283.68	2,111.8	2,868.90	122.0	-501.2	-21.1	0.00	0.00	0.00
2,300.0	22.60	283.68	2,204.1	2,776.58	131.1	-538.6	-22.7	0.00	0.00	0.00
2,400.0	22.60	283.68	2,296.4	2,684.25	140.2	-575.9	-24.3	0.00	0.00	0.00
2,500.0	22.60	283.68	2,388.8	2,591.93	149.3	-613.3	-25.9	0.00	0.00	0.00
2,600.0	22.60	283.68	2,481.1	2,499.61	158.4	-650.6	-27.5	0.00	0.00	0.00
2,700.0	22.60	283.68	2,573.4	2,407.29	167.5	-687.9	-29.0	0.00	0.00	0.00
2,800.0	22.60	283.68	2,665.7	2,314.97	176.6	-725.3	-30.6	0.00	0.00	0.00
2,900.0	22.60	283.68	2,758.1	2,222.65	185.7	-762.6	-32.2	0.00	0.00	0.00
3,000.0	22.60	283.68	2,850.4	2,130.32	194.7	-799.9	-33.8	0.00	0.00	0.00
3,100.0	22.60	283.68	2,942.7	2,038.00	203.8	-837.3	-35.3	0.00	0.00	0.00
3,200.0	22.60	283.68	3,035.0	1,945.68	212.9	-874.6	-36.9	0.00	0.00	0.00
3,300.0	22.60	283.68	3,127.3	1,853.36	222.0	-912.0	-38.5	0.00	0.00	0.00
3,400.0	22.60	283.68	3,219.7	1,761.04	231.1	-949.3	-40.1	0.00	0.00	0.00
3,500.0	22.60	283.68	3,312.0	1,668.71	240.2	-986.6	-41.6	0.00	0.00	0.00
3,600.0	22.60	283.68	3,404.3	1,576.39	249.3	-1,024.0	-43.2	0.00	0.00	0.00
3,700.0	22.60	283.68	3,496.6	1,484.07	258.4	-1,061.3	-44.8	0.00	0.00	0.00
PARKMAN										
3,782.4	22.60	283.68	3,572.7	1,408.00	265.9	-1,092.1	-46.1	0.00	0.00	0.00
3,800.0	22.60	283.68	3,589.0	1,391.75	267.5	-1,098.6	-46.4	0.00	0.00	0.00
3,900.0	22.60	283.68	3,681.3	1,299.43	276.5	-1,136.0	-47.9	0.00	0.00	0.00
4,000.0	22.60	283.68	3,773.6	1,207.11	285.6	-1,173.3	-49.5	0.00	0.00	0.00
4,100.0	22.60	283.68	3,865.9	1,114.78	294.7	-1,210.7	-51.1	0.00	0.00	0.00
4,200.0	22.60	283.68	3,958.2	1,022.46	303.8	-1,248.0	-52.7	0.00	0.00	0.00
4,300.0	22.60	283.68	4,050.6	930.14	312.9	-1,285.3	-54.2	0.00	0.00	0.00
SUSSEX										

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Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,351.1	22.60	283.68	4,097.7	883.00	317.5	-1,304.4	-55.0	0.00	0.00	0.00
4,400.0	22.60	283.68	4,142.9	837.82	322.0	-1,322.7	-55.8	0.00	0.00	0.00
4,500.0	22.60	283.68	4,235.2	745.50	331.1	-1,360.0	-57.4	0.00	0.00	0.00
4,600.0	22.60	283.68	4,327.5	653.18	340.2	-1,397.3	-59.0	0.00	0.00	0.00
4,700.0	22.60	283.68	4,419.8	560.85	349.3	-1,434.7	-60.5	0.00	0.00	0.00
4,800.0	22.60	283.68	4,512.2	468.53	358.4	-1,472.0	-62.1	0.00	0.00	0.00
4,900.0	22.60	283.68	4,604.5	376.21	367.4	-1,509.3	-63.7	0.00	0.00	0.00
END OF TANGENT										
4,971.9	22.60	283.68	4,670.8	309.87	374.0	-1,536.2	-64.8	0.00	0.00	0.00
5,000.0	22.04	283.68	4,696.9	283.84	376.5	-1,546.6	-65.3	2.00	-2.00	0.00
5,100.0	20.04	283.68	4,790.2	190.51	385.0	-1,581.4	-66.7	2.00	-2.00	0.00
5,200.0	18.04	283.68	4,884.7	95.98	392.7	-1,613.1	-68.1	2.00	-2.00	0.00
5,300.0	16.04	283.68	4,980.3	0.37	399.6	-1,641.6	-69.3	2.00	-2.00	0.00
5,400.0	14.04	283.68	5,076.9	-96.20	405.8	-1,666.8	-70.3	2.00	-2.00	0.00
5,500.0	12.04	283.68	5,174.3	-193.62	411.1	-1,688.7	-71.3	2.00	-2.00	0.00
SHANNON										
5,521.8	11.60	283.68	5,195.7	-215.00	412.2	-1,693.1	-71.4	2.00	-2.00	0.00
5,600.0	10.04	283.68	5,272.5	-291.76	415.6	-1,707.3	-72.0	2.00	-2.00	0.00
5,700.0	8.04	283.68	5,371.2	-390.52	419.4	-1,722.6	-72.7	2.00	-2.00	0.00
5,800.0	6.04	283.68	5,470.5	-489.76	422.2	-1,734.5	-73.2	2.00	-2.00	0.00
5,900.0	4.04	283.68	5,570.1	-589.37	424.3	-1,743.0	-73.5	2.00	-2.00	0.00
6,000.0	2.04	283.68	5,669.9	-689.22	425.6	-1,748.1	-73.8	2.00	-2.00	0.00
6,100.0	0.04	283.68	5,769.9	-789.20	426.0	-1,749.9	-73.8	2.00	-2.00	0.00
EOD TO VERTICAL										
6,101.8	0.00	0.00	5,771.7	-791.00	426.0	-1,749.9	-73.8	2.00	-2.00	4,244.87
6,200.0	0.00	0.00	5,869.9	-889.20	426.0	-1,749.9	-73.8	0.00	0.00	0.00
KOP (10°/100ft BUR)										
6,201.8	0.00	0.00	5,871.7	-891.00	426.0	-1,749.9	-73.8	0.00	0.00	0.00
6,300.0	9.82	177.40	5,969.4	-988.72	417.6	-1,749.5	-65.7	10.00	10.00	0.00
6,400.0	19.82	177.40	6,066.0	-1,085.27	392.1	-1,748.4	-40.9	10.00	10.00	0.00
6,500.0	29.82	177.40	6,156.6	-1,175.92	350.2	-1,746.5	-0.2	10.00	10.00	0.00
SHARON SPRINGS SHALE										
6,582.1	38.03	177.40	6,224.7	-1,244.00	304.5	-1,744.4	44.2	10.00	10.00	0.00
6,600.0	39.82	177.40	6,238.6	-1,257.92	293.3	-1,743.9	55.1	10.00	10.00	0.00
NIORARA FORMATION										
6,677.6	47.58	177.40	6,294.7	-1,314.00	239.7	-1,741.4	107.2	10.00	10.00	0.00
NIORARA A CHALK										
6,692.7	49.08	177.40	6,304.7	-1,324.00	228.5	-1,740.9	118.1	10.00	10.00	0.00
6,700.0	49.82	177.40	6,309.5	-1,328.76	222.9	-1,740.7	123.5	10.00	10.00	0.00
6,800.0	59.82	177.40	6,367.0	-1,386.31	141.4	-1,737.0	202.7	10.00	10.00	0.00
6,900.0	69.82	177.40	6,409.5	-1,428.81	51.1	-1,732.9	290.4	10.00	10.00	0.00
NIORARA B CHALK										
6,915.6	71.38	177.40	6,414.7	-1,434.00	36.4	-1,732.2	304.7	10.00	10.00	0.00
7,000.0	79.81	177.40	6,435.7	-1,454.97	-45.2	-1,728.5	384.0	10.00	10.00	0.00
7,100.0	89.81	177.40	6,444.7	-1,464.00	-144.5	-1,724.0	480.5	10.00	10.00	0.00
BPI: 2040ft FSL & 1416ft FEL of Sec 30										
7,101.8	90.00	177.40	6,444.7	-1,464.00	-146.4	-1,723.9	482.3	10.00	10.00	0.00
7,200.0	90.00	177.40	6,444.7	-1,464.00	-244.4	-1,719.5	577.6	0.00	0.00	0.00
7,300.0	90.00	177.40	6,444.7	-1,464.01	-344.3	-1,714.9	674.6	0.00	0.00	0.00
7,400.0	90.00	177.40	6,444.7	-1,464.01	-444.2	-1,710.4	771.7	0.00	0.00	0.00
7,500.0	90.00	177.40	6,444.7	-1,464.02	-544.1	-1,705.8	868.7	0.00	0.00	0.00
7,600.0	90.00	177.40	6,444.7	-1,464.02	-644.0	-1,701.3	965.8	0.00	0.00	0.00
7,700.0	90.00	177.40	6,444.7	-1,464.02	-743.9	-1,696.8	1,062.8	0.00	0.00	0.00

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Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,800.0	90.00	177.40	6,444.7	-1,464.03	-843.8	-1,692.2	1,159.9	0.00	0.00	0.00
7,900.0	90.00	177.40	6,444.7	-1,464.03	-943.7	-1,687.7	1,257.0	0.00	0.00	0.00
8,000.0	90.00	177.40	6,444.7	-1,464.03	-1,043.6	-1,683.2	1,354.0	0.00	0.00	0.00
8,100.0	90.00	177.40	6,444.7	-1,464.03	-1,143.5	-1,678.6	1,451.1	0.00	0.00	0.00
8,200.0	90.00	177.40	6,444.7	-1,464.04	-1,243.4	-1,674.1	1,548.1	0.00	0.00	0.00
8,300.0	90.00	177.40	6,444.7	-1,464.04	-1,343.3	-1,669.6	1,645.2	0.00	0.00	0.00
8,400.0	90.00	177.40	6,444.7	-1,464.04	-1,443.2	-1,665.0	1,742.3	0.00	0.00	0.00
8,500.0	90.00	177.40	6,444.7	-1,464.04	-1,543.1	-1,660.5	1,839.3	0.00	0.00	0.00
8,600.0	90.00	177.40	6,444.7	-1,464.05	-1,643.0	-1,656.0	1,936.4	0.00	0.00	0.00
8,700.0	90.00	177.40	6,444.7	-1,464.05	-1,742.9	-1,651.4	2,033.4	0.00	0.00	0.00
8,800.0	90.00	177.40	6,444.8	-1,464.05	-1,842.8	-1,646.9	2,130.5	0.00	0.00	0.00
8,900.0	90.00	177.40	6,444.8	-1,464.05	-1,942.7	-1,642.4	2,227.5	0.00	0.00	0.00
9,000.0	90.00	177.40	6,444.8	-1,464.05	-2,042.6	-1,637.8	2,324.6	0.00	0.00	0.00
9,100.0	90.00	177.40	6,444.8	-1,464.06	-2,142.5	-1,633.3	2,421.7	0.00	0.00	0.00
9,200.0	90.00	177.40	6,444.8	-1,464.06	-2,242.4	-1,628.7	2,518.7	0.00	0.00	0.00
9,300.0	90.00	177.40	6,444.8	-1,464.06	-2,342.3	-1,624.2	2,615.8	0.00	0.00	0.00
9,400.0	90.00	177.40	6,444.8	-1,464.06	-2,442.2	-1,619.7	2,712.8	0.00	0.00	0.00
9,500.0	90.00	177.40	6,444.8	-1,464.06	-2,542.1	-1,615.1	2,809.9	0.00	0.00	0.00
9,600.0	90.00	177.40	6,444.8	-1,464.06	-2,642.0	-1,610.6	2,907.0	0.00	0.00	0.00
9,700.0	90.00	177.40	6,444.8	-1,464.06	-2,741.9	-1,606.1	3,004.0	0.00	0.00	0.00
9,800.0	90.00	177.40	6,444.8	-1,464.06	-2,841.8	-1,601.5	3,101.1	0.00	0.00	0.00
9,900.0	90.00	177.40	6,444.8	-1,464.07	-2,941.7	-1,597.0	3,198.1	0.00	0.00	0.00
10,000.0	90.00	177.40	6,444.8	-1,464.07	-3,041.6	-1,592.5	3,295.2	0.00	0.00	0.00
10,100.0	90.00	177.40	6,444.8	-1,464.07	-3,141.5	-1,587.9	3,392.2	0.00	0.00	0.00
10,200.0	90.00	177.40	6,444.8	-1,464.07	-3,241.4	-1,583.4	3,489.3	0.00	0.00	0.00
10,300.0	90.00	177.40	6,444.8	-1,464.07	-3,341.3	-1,578.9	3,586.4	0.00	0.00	0.00
10,400.0	90.00	177.40	6,444.8	-1,464.07	-3,441.1	-1,574.3	3,683.4	0.00	0.00	0.00
10,500.0	90.00	177.40	6,444.8	-1,464.07	-3,541.0	-1,569.8	3,780.5	0.00	0.00	0.00
10,600.0	90.00	177.40	6,444.8	-1,464.07	-3,640.9	-1,565.3	3,877.5	0.00	0.00	0.00
10,700.0	90.00	177.40	6,444.8	-1,464.07	-3,740.8	-1,560.7	3,974.6	0.00	0.00	0.00
10,800.0	90.00	177.40	6,444.8	-1,464.07	-3,840.7	-1,556.2	4,071.7	0.00	0.00	0.00
10,900.0	90.00	177.40	6,444.8	-1,464.07	-3,940.6	-1,551.7	4,168.7	0.00	0.00	0.00
11,000.0	90.00	177.40	6,444.8	-1,464.06	-4,040.5	-1,547.1	4,265.8	0.00	0.00	0.00
11,100.0	90.00	177.40	6,444.8	-1,464.06	-4,140.4	-1,542.6	4,362.8	0.00	0.00	0.00
11,200.0	90.00	177.40	6,444.8	-1,464.06	-4,240.3	-1,538.1	4,459.9	0.00	0.00	0.00
11,300.0	90.00	177.40	6,444.8	-1,464.06	-4,340.2	-1,533.5	4,556.9	0.00	0.00	0.00
11,400.0	90.00	177.40	6,444.8	-1,464.06	-4,440.1	-1,529.0	4,654.0	0.00	0.00	0.00
11,500.0	90.00	177.40	6,444.8	-1,464.06	-4,540.0	-1,524.5	4,751.1	0.00	0.00	0.00
11,600.0	90.00	177.40	6,444.8	-1,464.06	-4,639.9	-1,519.9	4,848.1	0.00	0.00	0.00
11,700.0	90.00	177.40	6,444.8	-1,464.06	-4,739.8	-1,515.4	4,945.2	0.00	0.00	0.00
11,800.0	90.00	177.40	6,444.8	-1,464.05	-4,839.7	-1,510.9	5,042.2	0.00	0.00	0.00
11,900.0	90.00	177.40	6,444.8	-1,464.05	-4,939.6	-1,506.3	5,139.3	0.00	0.00	0.00
12,000.0	90.00	177.40	6,444.8	-1,464.05	-5,039.5	-1,501.8	5,236.4	0.00	0.00	0.00
12,100.0	90.00	177.40	6,444.7	-1,464.05	-5,139.4	-1,497.3	5,333.4	0.00	0.00	0.00
12,200.0	90.00	177.40	6,444.7	-1,464.05	-5,239.3	-1,492.7	5,430.5	0.00	0.00	0.00
12,300.0	90.00	177.40	6,444.7	-1,464.04	-5,339.2	-1,488.2	5,527.5	0.00	0.00	0.00
12,400.0	90.00	177.40	6,444.7	-1,464.04	-5,439.1	-1,483.7	5,624.6	0.00	0.00	0.00
12,500.0	90.00	177.40	6,444.7	-1,464.04	-5,539.0	-1,479.1	5,721.7	0.00	0.00	0.00
12,600.0	90.00	177.40	6,444.7	-1,464.04	-5,638.9	-1,474.6	5,818.7	0.00	0.00	0.00
12,700.0	90.00	177.40	6,444.7	-1,464.03	-5,738.8	-1,470.1	5,915.8	0.00	0.00	0.00
12,800.0	90.00	177.40	6,444.7	-1,464.03	-5,838.7	-1,465.5	6,012.8	0.00	0.00	0.00
12,900.0	90.00	177.40	6,444.7	-1,464.03	-5,938.6	-1,461.0	6,109.9	0.00	0.00	0.00
13,000.0	90.00	177.40	6,444.7	-1,464.03	-6,038.5	-1,456.5	6,206.9	0.00	0.00	0.00
13,100.0	90.00	177.40	6,444.7	-1,464.02	-6,138.4	-1,452.0	6,304.0	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BASHOR FED 9-60 29-30-31-3
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4980.7usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4980.7usft (Original Well Elev)
Site:	NW SW SEC. 29 T9N R60W 6th P.M.	North Reference:	True
Well:	BASHOR FED 9-60 29-30-31-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	177.40	6,444.7	-1,464.02	-6,238.3	-1,447.4	6,401.1	0.00	0.00	0.00
13,300.0	90.00	177.40	6,444.7	-1,464.02	-6,338.2	-1,442.9	6,498.1	0.00	0.00	0.00
13,400.0	90.00	177.40	6,444.7	-1,464.01	-6,438.1	-1,438.4	6,595.2	0.00	0.00	0.00
13,500.0	90.00	177.40	6,444.7	-1,464.01	-6,538.0	-1,433.8	6,692.2	0.00	0.00	0.00
13,600.0	90.00	177.40	6,444.7	-1,464.00	-6,637.9	-1,429.3	6,789.3	0.00	0.00	0.00
13,700.0	90.00	177.40	6,444.7	-1,464.00	-6,737.8	-1,424.8	6,886.4	0.00	0.00	0.00
EPI: 600ft FSL & 1412ft FEL of Sec 31										
13,702.3	90.00	177.40	6,444.7	-1,464.00	-6,740.1	-1,424.7	6,888.6	0.00	0.00	0.00
EOT TO 177.35° Az										
13,704.1	90.00	177.35	6,444.7	-1,464.00	-6,741.8	-1,424.6	6,890.3	3.00	0.00	-3.00
13,800.0	90.00	177.35	6,444.7	-1,464.00	-6,837.7	-1,420.1	6,983.4	0.00	0.00	0.00
13,900.0	90.00	177.35	6,444.7	-1,464.00	-6,937.5	-1,415.5	7,080.4	0.00	0.00	0.00
14,000.0	90.00	177.36	6,444.7	-1,464.00	-7,037.4	-1,410.9	7,177.5	0.00	0.00	0.00
BHL: 300ft FSL & 1416ft FEL of Sec 31										
14,002.1	90.00	177.36	6,444.7	-1,464.00	-7,039.5	-1,410.8	7,179.5	0.00	0.00	0.00

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
561.1	560.7	PIERRE SHALE (BASE FOX HILLS)				
3,782.4	3,572.7	PARKMAN				
4,351.1	4,097.7	SUSSEX				
5,521.8	5,195.7	SHANNON				
6,582.1	6,224.7	SHARON SPRINGS SHALE				
6,677.6	6,294.7	NIORARA FORMATION				
6,692.7	6,304.7	NIORARA A CHALK				
6,915.6	6,414.7	NIORARA B CHALK				

Plan Annotations					
MD (usft)	TVD (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
0.0	0.0	0.0	0.0	SHL: 2155ft FSL & 310ft FWL of Sec 29	
300.0	300.0	0.0	0.0	START NUDGE (2°/100ft BUR)	
1,429.9	1,400.9	52.0	-213.7	EOB TO 22.6° INC	
4,971.9	4,670.8	374.0	-1,536.2	END OF TANGENT	
6,101.8	5,771.7	426.0	-1,749.9	EOD TO VERTICAL	
6,201.8	5,871.7	426.0	-1,749.9	KOP (10°/100ft BUR)	
7,101.8	6,444.7	-146.4	-1,723.9	BPI: 2040ft FSL & 1416ft FEL of Sec 30	
13,702.3	6,444.7	-6,740.1	-1,424.7	EPI: 600ft FSL & 1412ft FEL of Sec 31	
13,704.1	6,444.7	-6,741.8	-1,424.6	EOT TO 177.35° Az	
14,002.1	6,444.7	-7,039.5	-1,410.8	BHL: 300ft FSL & 1416ft FEL of Sec 31	