

Bison Oil & Gas II, LLC

**WELD COUNTY, COLORADO (NAD 83)
HUNT 8-60 17B SWNE SEC. 17 T8N R60W
HUNT FED 8-60 17B-20-6**

Wellbore #1

Plan: Design #1

Standard Survey Report

10 February, 2021



Project: WELD COUNTY, COLORADO (NAD 83)
Site: HUNT 8-60 17B SWNE SEC. 17 T8N R60W
Well: HUNT FED 8-60 17B-20-6
Wellbore: Wellbore #1
Design: Design #1

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.0	Start Build 10.00
1011.0	21.10	95.10	1006.3	-3.4	38.3	12.6	38.4	Start 5352.6 hold at 1011.0 MD
6363.6	21.10	95.10	6000.0	-174.9	1957.5	642.1	1965.3	Start DLS 15.75 TFO 176.61
6470.3	4.45	107.82	6103.7	-177.9	1980.8	650.6	1988.8	Start DLS 15.75 TFO 72.39
7033.3	90.00	180.16	6458.0	-541.7	2006.0	1009.8	2355.6	Start 7339.1 hold at 7033.3 MD
14372.3	90.00	180.16	6458.0	-7880.7	1985.0	8126.8	9694.6	Start 99.9 hold at 14372.3 MD
14472.2	90.00	180.16	6458.0	-7980.6	1984.7	8223.7	9794.5	TD at 14472.2

PROPOSED LOCAL COORDINATES:

SHL: 2366 ft FNL & 2363 ft FEL Sec 17

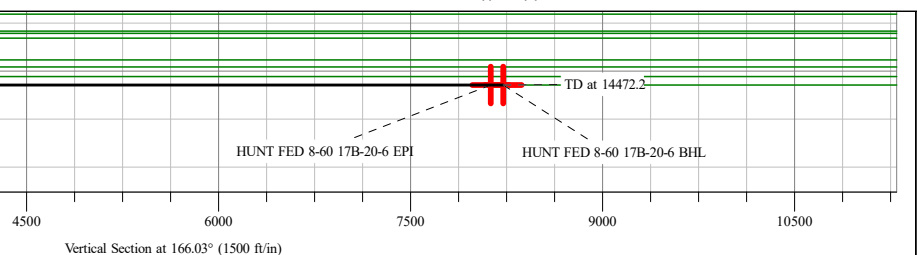
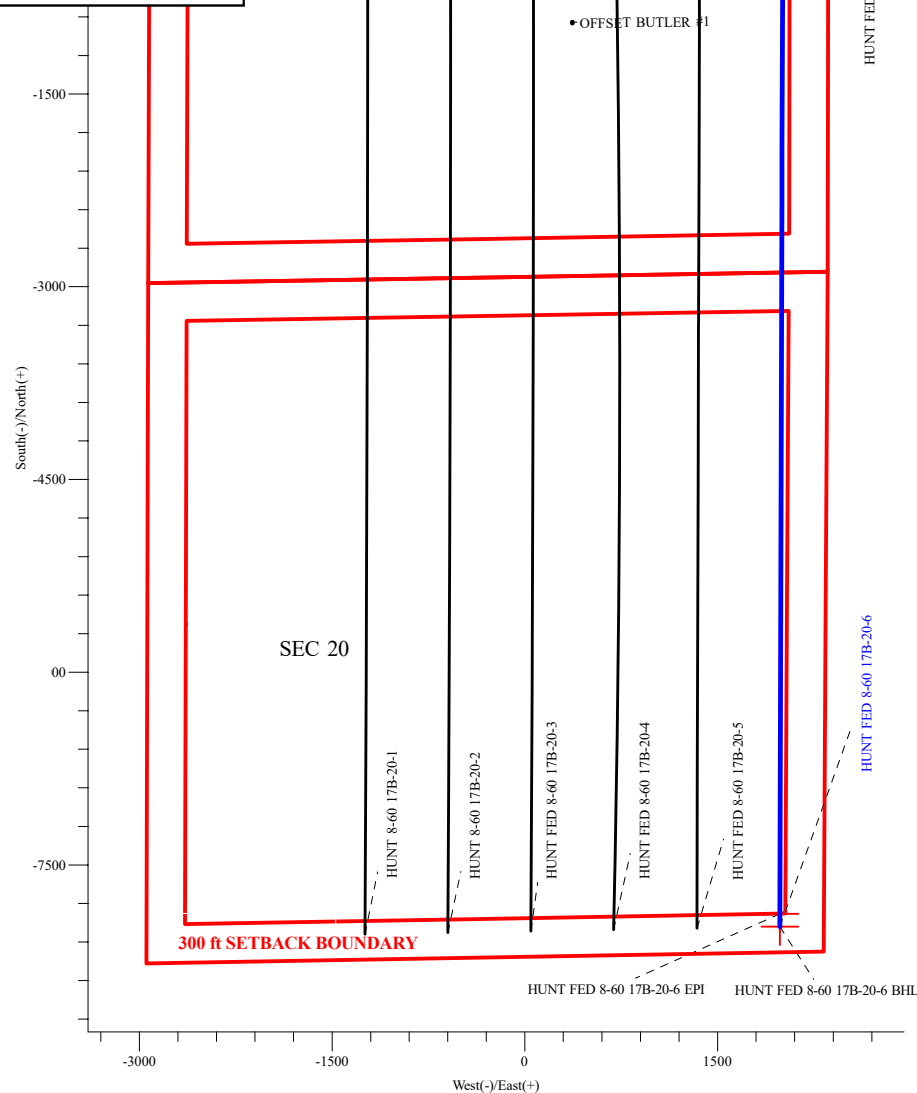
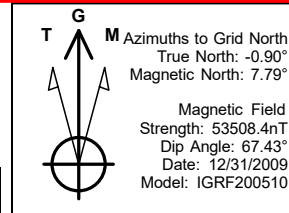
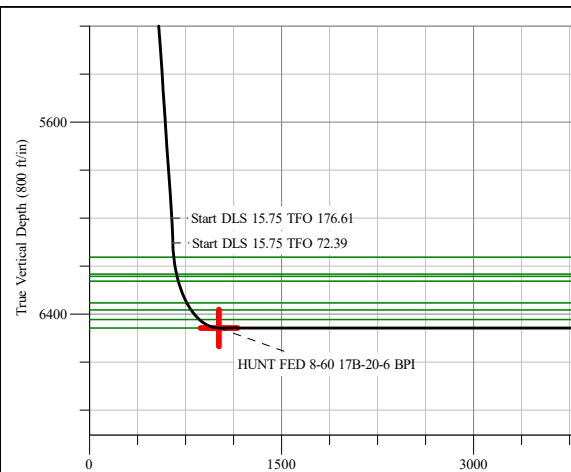
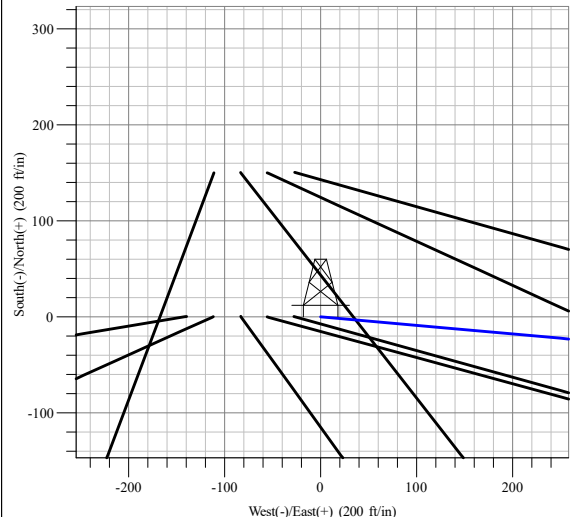
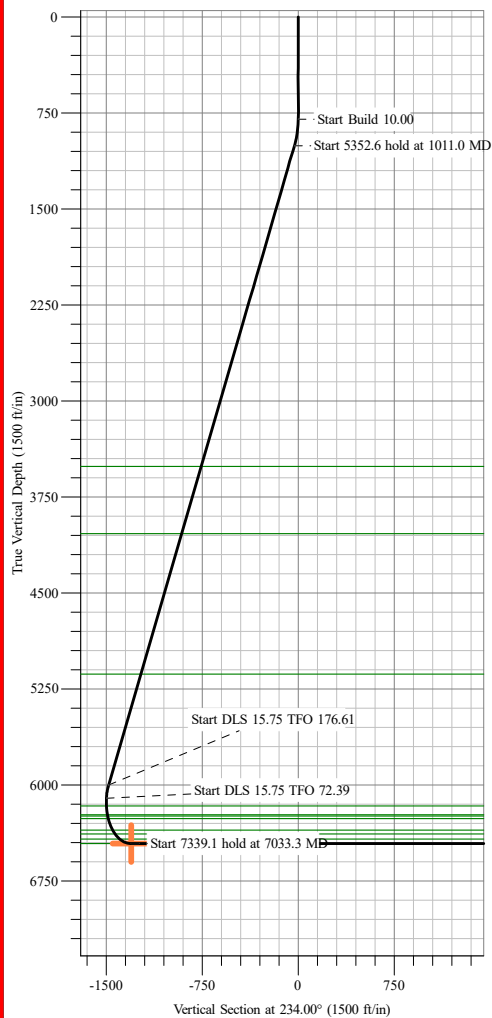
BPI: 2348 ft FSL & 356 ft FEL Sec 17

EPI: 300 ft FSL & 342 ft FEL Sec 20

BHL: 200 ft FSL & 342 ft FEL Sec 20

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
HUNT FED 8-60 17B-20-6 BPI	6458.0	-541.7	2006.0	453195.88	1032188.48	40° 39' 41.378 N 104° 6' 25.384 W	
HUNT FED 8-60 17B-20-6 EPI	6458.0	-7880.7	1985.0	450958.94	1032182.08	40° 38' 28.871 N 104° 6' 27.151 W	
HUNT FED 8-60 17B-20-6 BHL	6458.0	-7980.6	1984.9	450928.51	1032182.05	40° 38' 27.884 N 104° 6' 27.173 W	Point



Survey Report

Company:	Bison Oil & Gas II, LLC	Local Co-ordinate Reference:	Well HUNT FED 8-60 17B-20-6
Project:	WELD COUNTY, COLORADO (NAD 83)	TVD Reference:	GL @ 4938.6ft
Site:	HUNT 8-60 17B SWNE SEC. 17 T8N R60W	MD Reference:	GL @ 4938.6ft
Well:	HUNT FED 8-60 17B-20-6	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.16 Single User Db

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		

Site		HUNT 8-60 17B SWNE SEC. 17 T8N R60W			
Site Position:		Northing:		453,564.15 m	
From:	Lat/Long	Easting:		1,041,236.06 m	
Position Uncertainty:		Slot Radius:		13.200 in	
				Latitude: 40° 39' 48.532 N	
				Longitude: 104° 0' 0.000 W	

Well	HUNT FED 8-60 17B-20-6					
Well Position	+N/-S	0.0 ft	Northing:	453,360.99 m	Latitude:	40° 39' 47.041 N
	+E/-W	0.0 ft	Easting:	1,031,577.06 m	Longitude:	104° 6' 51.300 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,938.6 ft
Grid Convergence:		0.90 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.69	67.43	53,508.41382814

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	166.03	

Survey Tool Program	Date	2/10/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	14,472.2	Design #1 (Wellbore #1)	MWD	Fixed:v2:standard declination	

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	
100.0	0.00	0.00	100.0	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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 10.00										

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Site:	HUNT 8-60 17B SWNE SEC. 17 T8N R60W	MD Reference:	GL @ 4938.6ft
Well:	HUNT FED 8-60 17B-20-6	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.16 Single User Db

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)
900.0	10.00	95.10	899.5	-0.8	8.7	2.8	10.00	10.00	0.00
1,000.0	20.00	95.10	996.0	-3.1	34.4	11.3	10.00	10.00	0.00
1,011.0	21.10	95.10	1,006.3	-3.4	38.3	12.6	10.00	10.00	0.00
Start 5352.6 hold at 1011.0 MD									
1,100.0	21.10	95.10	1,089.3	-6.3	70.2	23.0	0.00	0.00	0.00
1,200.0	21.10	95.10	1,182.6	-9.5	106.0	34.8	0.00	0.00	0.00
1,300.0	21.10	95.10	1,275.9	-12.7	141.9	46.5	0.00	0.00	0.00
1,400.0	21.10	95.10	1,369.2	-15.9	177.7	58.3	0.00	0.00	0.00
1,500.0	21.10	95.10	1,462.5	-19.1	213.6	70.1	0.00	0.00	0.00
1,600.0	21.10	95.10	1,555.8	-22.3	249.5	81.8	0.00	0.00	0.00
1,700.0	21.10	95.10	1,649.1	-25.5	285.3	93.6	0.00	0.00	0.00
1,800.0	21.10	95.10	1,742.4	-28.7	321.2	105.4	0.00	0.00	0.00
1,900.0	21.10	95.10	1,835.7	-31.9	357.0	117.1	0.00	0.00	0.00
2,000.0	21.10	95.10	1,929.0	-35.1	392.9	128.9	0.00	0.00	0.00
2,100.0	21.10	95.10	2,022.2	-38.3	428.7	140.6	0.00	0.00	0.00
2,200.0	21.10	95.10	2,115.5	-41.5	464.6	152.4	0.00	0.00	0.00
2,300.0	21.10	95.10	2,208.8	-44.7	500.5	164.2	0.00	0.00	0.00
2,400.0	21.10	95.10	2,302.1	-47.9	536.3	175.9	0.00	0.00	0.00
2,500.0	21.10	95.10	2,395.4	-51.1	572.2	187.7	0.00	0.00	0.00
2,600.0	21.10	95.10	2,488.7	-54.3	608.0	199.5	0.00	0.00	0.00
2,700.0	21.10	95.10	2,582.0	-57.5	643.9	211.2	0.00	0.00	0.00
2,800.0	21.10	95.10	2,675.3	-60.7	679.7	223.0	0.00	0.00	0.00
2,900.0	21.10	95.10	2,768.6	-63.9	715.6	234.7	0.00	0.00	0.00
3,000.0	21.10	95.10	2,861.9	-67.1	751.5	246.5	0.00	0.00	0.00
3,100.0	21.10	95.10	2,955.2	-70.3	787.3	258.3	0.00	0.00	0.00
3,200.0	21.10	95.10	3,048.5	-73.5	823.2	270.0	0.00	0.00	0.00
3,300.0	21.10	95.10	3,141.8	-76.7	859.0	281.8	0.00	0.00	0.00
3,400.0	21.10	95.10	3,235.1	-79.9	894.9	293.5	0.00	0.00	0.00
3,500.0	21.10	95.10	3,328.4	-83.1	930.7	305.3	0.00	0.00	0.00
3,600.0	21.10	95.10	3,421.7	-86.3	966.6	317.1	0.00	0.00	0.00
3,700.0	21.10	95.10	3,515.0	-89.5	1,002.5	328.8	0.00	0.00	0.00
3,800.0	21.10	95.10	3,608.3	-92.8	1,038.3	340.6	0.00	0.00	0.00
3,900.0	21.10	95.10	3,701.6	-96.0	1,074.2	352.4	0.00	0.00	0.00
4,000.0	21.10	95.10	3,794.9	-99.2	1,110.0	364.1	0.00	0.00	0.00
4,100.0	21.10	95.10	3,888.2	-102.4	1,145.9	375.9	0.00	0.00	0.00
4,200.0	21.10	95.10	3,981.5	-105.6	1,181.7	387.6	0.00	0.00	0.00
4,300.0	21.10	95.10	4,074.7	-108.8	1,217.6	399.4	0.00	0.00	0.00
4,400.0	21.10	95.10	4,168.0	-112.0	1,253.5	411.2	0.00	0.00	0.00
4,500.0	21.10	95.10	4,261.3	-115.2	1,289.3	422.9	0.00	0.00	0.00
4,600.0	21.10	95.10	4,354.6	-118.4	1,325.2	434.7	0.00	0.00	0.00
4,700.0	21.10	95.10	4,447.9	-121.6	1,361.0	446.5	0.00	0.00	0.00
4,800.0	21.10	95.10	4,541.2	-124.8	1,396.9	458.2	0.00	0.00	0.00
4,900.0	21.10	95.10	4,634.5	-128.0	1,432.7	470.0	0.00	0.00	0.00

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.16 Single User Db

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)
5,000.0	21.10	95.10	4,727.8	-131.2	1,468.6	481.7	0.00	0.00	0.00
5,100.0	21.10	95.10	4,821.1	-134.4	1,504.5	493.5	0.00	0.00	0.00
5,200.0	21.10	95.10	4,914.4	-137.6	1,540.3	505.3	0.00	0.00	0.00
5,300.0	21.10	95.10	5,007.7	-140.8	1,576.2	517.0	0.00	0.00	0.00
5,400.0	21.10	95.10	5,101.0	-144.0	1,612.0	528.8	0.00	0.00	0.00
5,500.0	21.10	95.10	5,194.3	-147.2	1,647.9	540.6	0.00	0.00	0.00
5,600.0	21.10	95.10	5,287.6	-150.4	1,683.7	552.3	0.00	0.00	0.00
5,700.0	21.10	95.10	5,380.9	-153.6	1,719.6	564.1	0.00	0.00	0.00
5,800.0	21.10	95.10	5,474.2	-156.8	1,755.4	575.8	0.00	0.00	0.00
5,900.0	21.10	95.10	5,567.5	-160.0	1,791.3	587.6	0.00	0.00	0.00
6,000.0	21.10	95.10	5,660.8	-163.2	1,827.2	599.4	0.00	0.00	0.00
6,100.0	21.10	95.10	5,754.1	-166.4	1,863.0	611.1	0.00	0.00	0.00
6,200.0	21.10	95.10	5,847.4	-169.6	1,898.9	622.9	0.00	0.00	0.00
6,300.0	21.10	95.10	5,940.7	-172.8	1,934.7	634.6	0.00	0.00	0.00
6,363.6	21.10	95.10	6,000.0	-174.9	1,957.5	642.1	0.00	0.00	0.00
Start DLS 15.75 TFO 176.61									
6,400.0	15.39	96.38	6,034.5	-176.0	1,968.9	646.0	15.75	-15.71	3.50
6,470.3	4.45	107.82	6,103.7	-177.9	1,980.8	650.6	15.75	-15.57	16.29
Start DLS 15.75 TFO 72.39									
6,500.0	7.36	145.20	6,133.2	-179.8	1,983.0	653.0	15.75	9.82	125.67
6,600.0	22.16	169.69	6,229.7	-203.8	1,990.0	678.0	15.75	14.80	24.49
6,700.0	37.72	174.67	6,316.1	-253.1	1,996.3	727.4	15.75	15.56	4.98
6,800.0	53.38	177.01	6,386.0	-324.1	2,001.3	797.5	15.75	15.66	2.34
6,900.0	69.07	178.54	6,433.9	-411.4	2,004.6	883.0	15.75	15.69	1.53
7,000.0	84.77	179.78	6,456.5	-508.5	2,006.0	977.6	15.75	15.70	1.23
7,033.3	90.00	180.16	6,458.0	-541.7	2,006.0	1,009.8	15.75	15.70	1.17
Start 7339.1 hold at 7033.3 MD - HUNT FED 8-60 17B-20-6 BPI									
7,100.0	90.00	180.16	6,458.0	-608.4	2,005.8	1,074.5	0.00	0.00	0.00
7,200.0	90.00	180.16	6,458.0	-708.4	2,005.5	1,171.5	0.00	0.00	0.00
7,300.0	90.00	180.16	6,458.0	-808.4	2,005.2	1,268.5	0.00	0.00	0.00
7,400.0	90.00	180.16	6,458.0	-908.4	2,004.9	1,365.4	0.00	0.00	0.00
7,500.0	90.00	180.16	6,458.0	-1,008.4	2,004.6	1,462.4	0.00	0.00	0.00
7,600.0	90.00	180.16	6,458.0	-1,108.4	2,004.4	1,559.4	0.00	0.00	0.00
7,700.0	90.00	180.16	6,458.0	-1,208.4	2,004.1	1,656.4	0.00	0.00	0.00
7,800.0	90.00	180.16	6,458.0	-1,308.4	2,003.8	1,753.3	0.00	0.00	0.00
7,900.0	90.00	180.16	6,458.0	-1,408.4	2,003.5	1,850.3	0.00	0.00	0.00
8,000.0	90.00	180.16	6,458.0	-1,508.4	2,003.2	1,947.3	0.00	0.00	0.00
8,100.0	90.00	180.16	6,458.0	-1,608.4	2,002.9	2,044.3	0.00	0.00	0.00
8,200.0	90.00	180.16	6,458.0	-1,708.4	2,002.6	2,141.2	0.00	0.00	0.00
8,300.0	90.00	180.16	6,458.0	-1,808.4	2,002.4	2,238.2	0.00	0.00	0.00
8,400.0	90.00	180.16	6,458.0	-1,908.4	2,002.1	2,335.2	0.00	0.00	0.00
8,500.0	90.00	180.16	6,458.0	-2,008.4	2,001.8	2,432.2	0.00	0.00	0.00
8,600.0	90.00	180.16	6,458.0	-2,108.4	2,001.5	2,529.1	0.00	0.00	0.00
8,700.0	90.00	180.16	6,458.0	-2,208.4	2,001.2	2,626.1	0.00	0.00	0.00

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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)
8,800.0	90.00	180.16	6,458.0	-2,308.4	2,000.9	2,723.1	0.00	0.00	0.00
8,900.0	90.00	180.16	6,458.0	-2,408.4	2,000.6	2,820.1	0.00	0.00	0.00
9,000.0	90.00	180.16	6,458.0	-2,508.4	2,000.4	2,917.0	0.00	0.00	0.00
9,100.0	90.00	180.16	6,458.0	-2,608.4	2,000.1	3,014.0	0.00	0.00	0.00
9,200.0	90.00	180.16	6,458.0	-2,708.4	1,999.8	3,111.0	0.00	0.00	0.00
9,300.0	90.00	180.16	6,458.0	-2,808.4	1,999.5	3,208.0	0.00	0.00	0.00
9,400.0	90.00	180.16	6,458.0	-2,908.4	1,999.2	3,304.9	0.00	0.00	0.00
9,500.0	90.00	180.16	6,458.0	-3,008.4	1,998.9	3,401.9	0.00	0.00	0.00
9,600.0	90.00	180.16	6,458.0	-3,108.4	1,998.6	3,498.9	0.00	0.00	0.00
9,700.0	90.00	180.16	6,458.0	-3,208.4	1,998.4	3,595.9	0.00	0.00	0.00
9,800.0	90.00	180.16	6,458.0	-3,308.4	1,998.1	3,692.8	0.00	0.00	0.00
9,900.0	90.00	180.16	6,458.0	-3,408.4	1,997.8	3,789.8	0.00	0.00	0.00
10,000.0	90.00	180.16	6,458.0	-3,508.4	1,997.5	3,886.8	0.00	0.00	0.00
10,100.0	90.00	180.16	6,458.0	-3,608.4	1,997.2	3,983.8	0.00	0.00	0.00
10,200.0	90.00	180.16	6,458.0	-3,708.4	1,996.9	4,080.7	0.00	0.00	0.00
10,300.0	90.00	180.16	6,458.0	-3,808.4	1,996.6	4,177.7	0.00	0.00	0.00
10,400.0	90.00	180.16	6,458.0	-3,908.4	1,996.4	4,274.7	0.00	0.00	0.00
10,500.0	90.00	180.16	6,458.0	-4,008.4	1,996.1	4,371.7	0.00	0.00	0.00
10,600.0	90.00	180.16	6,458.0	-4,108.4	1,995.8	4,468.6	0.00	0.00	0.00
10,700.0	90.00	180.16	6,458.0	-4,208.4	1,995.5	4,565.6	0.00	0.00	0.00
10,800.0	90.00	180.16	6,458.0	-4,308.4	1,995.2	4,662.6	0.00	0.00	0.00
10,900.0	90.00	180.16	6,458.0	-4,408.4	1,994.9	4,759.6	0.00	0.00	0.00
11,000.0	90.00	180.16	6,458.0	-4,508.4	1,994.6	4,856.5	0.00	0.00	0.00
11,100.0	90.00	180.16	6,458.0	-4,608.4	1,994.4	4,953.5	0.00	0.00	0.00
11,200.0	90.00	180.16	6,458.0	-4,708.4	1,994.1	5,050.5	0.00	0.00	0.00
11,300.0	90.00	180.16	6,458.0	-4,808.4	1,993.8	5,147.5	0.00	0.00	0.00
11,400.0	90.00	180.16	6,458.0	-4,908.4	1,993.5	5,244.4	0.00	0.00	0.00
11,500.0	90.00	180.16	6,458.0	-5,008.4	1,993.2	5,341.4	0.00	0.00	0.00
11,600.0	90.00	180.16	6,458.0	-5,108.4	1,992.9	5,438.4	0.00	0.00	0.00
11,700.0	90.00	180.16	6,458.0	-5,208.4	1,992.6	5,535.4	0.00	0.00	0.00
11,800.0	90.00	180.16	6,458.0	-5,308.4	1,992.4	5,632.3	0.00	0.00	0.00
11,900.0	90.00	180.16	6,458.0	-5,408.4	1,992.1	5,729.3	0.00	0.00	0.00
12,000.0	90.00	180.16	6,458.0	-5,508.4	1,991.8	5,826.3	0.00	0.00	0.00
12,100.0	90.00	180.16	6,458.0	-5,608.4	1,991.5	5,923.3	0.00	0.00	0.00
12,200.0	90.00	180.16	6,458.0	-5,708.4	1,991.2	6,020.2	0.00	0.00	0.00
12,300.0	90.00	180.16	6,458.0	-5,808.4	1,990.9	6,117.2	0.00	0.00	0.00
12,400.0	90.00	180.16	6,458.0	-5,908.4	1,990.6	6,214.2	0.00	0.00	0.00
12,500.0	90.00	180.16	6,458.0	-6,008.4	1,990.4	6,311.2	0.00	0.00	0.00
12,600.0	90.00	180.16	6,458.0	-6,108.4	1,990.1	6,408.1	0.00	0.00	0.00
12,700.0	90.00	180.16	6,458.0	-6,208.4	1,989.8	6,505.1	0.00	0.00	0.00
12,800.0	90.00	180.16	6,458.0	-6,308.4	1,989.5	6,602.1	0.00	0.00	0.00
12,900.0	90.00	180.16	6,458.0	-6,408.4	1,989.2	6,699.0	0.00	0.00	0.00
13,000.0	90.00	180.16	6,458.0	-6,508.4	1,988.9	6,796.0	0.00	0.00	0.00

Survey Report

Company:	Bison Oil & Gas II, LLC	Local Co-ordinate Reference:	Well HUNT FED 8-60 17B-20-6
Project:	WELD COUNTY, COLORADO (NAD 83)	TVD Reference:	GL @ 4938.6ft
Site:	HUNT 8-60 17B SWNE SEC. 17 T8N R60W	MD Reference:	GL @ 4938.6ft
Well:	HUNT FED 8-60 17B-20-6	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.16 Single User Db

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)
13,100.0	90.00	180.16	6,458.0	-6,608.4	1,988.6	6,893.0	0.00	0.00	0.00
13,200.0	90.00	180.16	6,458.0	-6,708.4	1,988.4	6,990.0	0.00	0.00	0.00
13,300.0	90.00	180.16	6,458.0	-6,808.4	1,988.1	7,086.9	0.00	0.00	0.00
13,400.0	90.00	180.16	6,458.0	-6,908.4	1,987.8	7,183.9	0.00	0.00	0.00
13,500.0	90.00	180.16	6,458.0	-7,008.4	1,987.5	7,280.9	0.00	0.00	0.00
13,600.0	90.00	180.16	6,458.0	-7,108.4	1,987.2	7,377.9	0.00	0.00	0.00
13,700.0	90.00	180.16	6,458.0	-7,208.4	1,986.9	7,474.8	0.00	0.00	0.00
13,800.0	90.00	180.16	6,458.0	-7,308.4	1,986.6	7,571.8	0.00	0.00	0.00
13,900.0	90.00	180.16	6,458.0	-7,408.4	1,986.4	7,668.8	0.00	0.00	0.00
14,000.0	90.00	180.16	6,458.0	-7,508.4	1,986.1	7,765.8	0.00	0.00	0.00
14,100.0	90.00	180.16	6,458.0	-7,608.4	1,985.8	7,862.7	0.00	0.00	0.00
14,200.0	90.00	180.16	6,458.0	-7,708.4	1,985.5	7,959.7	0.00	0.00	0.00
14,300.0	90.00	180.16	6,458.0	-7,808.4	1,985.2	8,056.7	0.00	0.00	0.00
14,372.3	90.00	180.16	6,458.0	-7,880.7	1,985.0	8,126.8	0.00	0.00	0.00
Start 99.9 hold at 14372.3 MD - HUNT FED 8-60 17B-20-6 EPI									
14,400.0	90.00	180.16	6,458.0	-7,908.4	1,984.9	8,153.7	0.00	0.00	0.00
14,472.2	90.00	180.16	6,458.0	-7,980.6	1,984.7	8,223.7	0.00	0.00	0.00
TD at 14472.2 - HUNT FED 8-60 17B-20-6 BHL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
- hit/miss target									
- Shape									
HUNT FED 8-60 17B- - plan misses target center by 0.2ft at 14472.2ft MD (6458.0 TVD, -7980.6 N, 1984.7 E) - Point	0.00	359.10	6,458.0	-7,980.6	1,984.9	450,928.51	1,032,182.06	40° 38' 27.884 N	104° 6' 27.173 W
HUNT FED 8-60 17B- - plan hits target center - Point	0.00	359.10	6,458.0	-541.7	2,006.0	453,195.88	1,032,188.48	40° 39' 41.378 N	104° 6' 25.384 W
HUNT FED 8-60 17B- - plan hits target center - Point	0.00	359.10	6,458.0	-7,880.7	1,985.0	450,958.94	1,032,182.09	40° 38' 28.871 N	104° 6' 27.151 W

Survey Report

Company:	Bison Oil & Gas II, LLC	Local Co-ordinate Reference:	Well HUNT FED 8-60 17B-20-6
Project:	WELD COUNTY, COLORADO (NAD 83)	TVD Reference:	GL @ 4938.6ft
Site:	HUNT 8-60 17B SWNE SEC. 17 T8N R60W	MD Reference:	GL @ 4938.6ft
Well:	HUNT FED 8-60 17B-20-6	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.16 Single User Db

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,695.7	3,511.0	Parkman				
4,258.5	4,036.0	Sussex				
5,435.4	5,134.0	Shannon				
6,530.2	6,163.0	Sharon Springs Shale				
6,603.5	6,233.0	Niobrara Formation				
6,614.4	6,243.0	Niobrara A Chalk				
6,636.7	6,263.0	Niobrara A Landing Point				
6,749.3	6,353.0	Niobrara B Chalk				
6,795.1	6,383.0	Niobrara B Landing Point				
6,872.2	6,423.0	Niobrara C Chalk				
7,033.3	6,458.0	Niobrara C Landing Point				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
800	800	0	0	Start Build 10.00	
1011	1006	-3	38	Start 5352.6 hold at 1011.0 MD	
6364	6000	-175	1958	Start DLS 15.75 TFO 176.61	
6470	6104	-178	1981	Start DLS 15.75 TFO 72.39	
7033	6458	-542	2006	Start 7339.1 hold at 7033.3 MD	
14,372	6458	-7881	1985	Start 99.9 hold at 14372.3 MD	
14,472	6458	-7981	1985	TD at 14472.2	