

BISON OIL & GAS II, LLC

WELD COUNTY, COLORADO (NAD 83)

NE NE SEC. 26 T10N R59W 6th P.M.

NELSON RANCHES 10-59 26-2

ORIGINAL WELLBORE

16 May, 2018

Plan: PROPOSAL #1



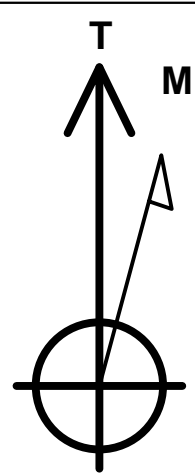
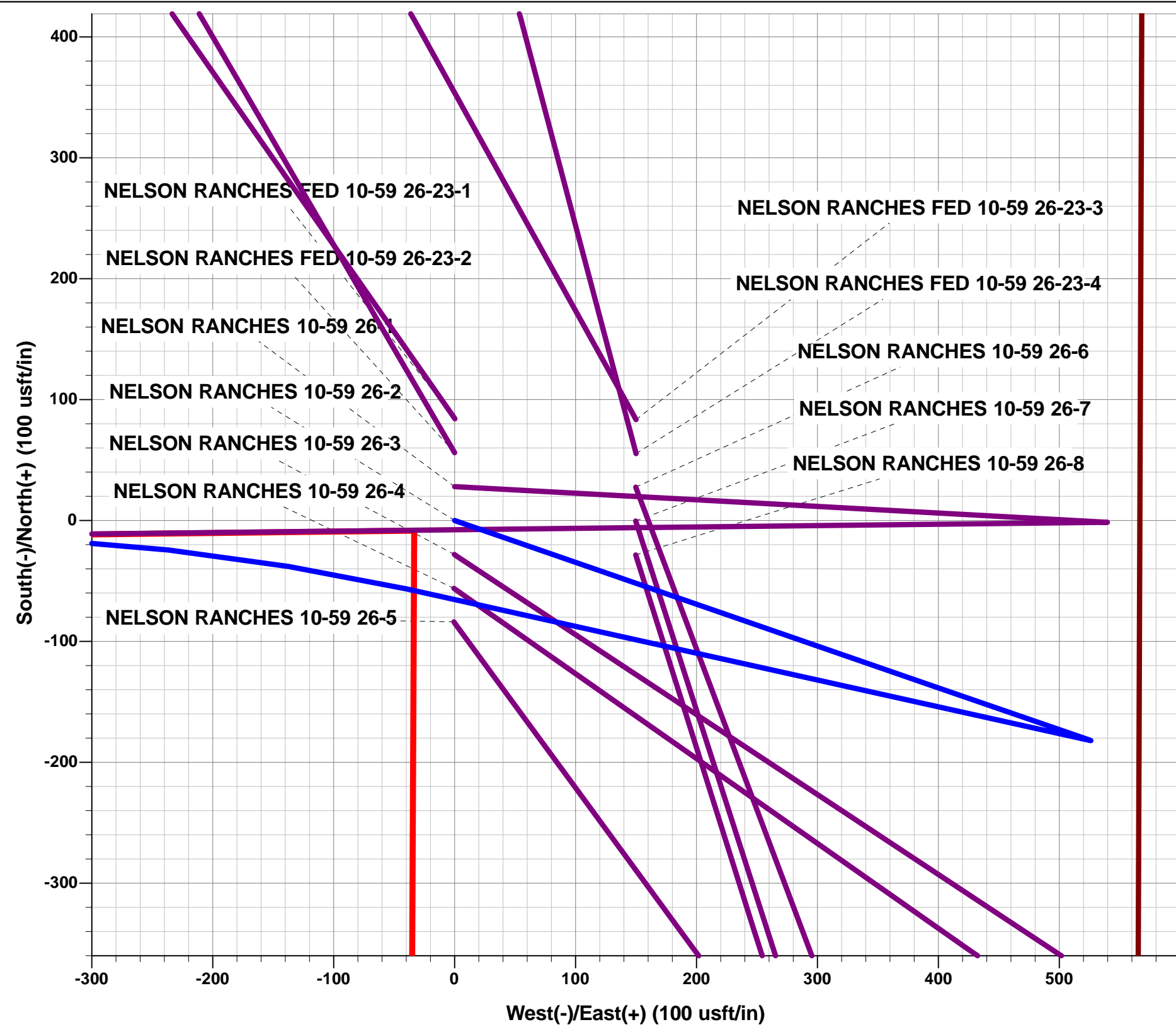
Project: WELD COUNTY, COLORADO (NAD 83)
Site: NE NE SEC. 26 T10N R59W 6th P.M.
Well: NELSON RANCHES 10-59 26-2
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 592ft FNL & 567ft FEL of Sec 26
800.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	START NUDGE (2°/100ft BUR)
1395.62	1400.00	12.00	109.08	-20.47	59.16	-58.88	62.60	EOB TO 12° INC
3425.90	3475.64	12.00	109.08	-161.55	467.00	-464.80	494.15	END OF TANGENT
4021.53	4075.64	0.00	0.00	-182.02	526.16	-523.69	556.75	EOD TO VERTICAL
5439.64	5493.75	0.00	0.00	-182.02	526.16	-523.69	556.75	KOP (10°/100ft BUR)
6012.60	6393.75	90.00	282.50	-58.01	-33.22	33.99	1129.71	BPI *NEW*: 650ft FNL & 600ft FEL of Sec 26
6012.60	6832.67	90.00	269.33	-12.87	-468.84	468.97	1568.63	EOT TO 269.33° AZ
6012.60	10512.57	90.00	269.33	-55.75	-4148.49	4148.86	5248.53	EPI: 600ft FNL & 600ft FWL of Sec 26
6012.60	10512.98	90.00	269.32	-55.75	-4148.90	4149.27	5248.94	EOT TO 269.32° AZ
6012.60	10812.37	90.00	269.31	-59.34	-4448.27	4448.66	5548.33	BHL: 600ft FNL & 300ft FWL of Sec 26

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - NELSON RANCHES 10-59 26-2	5439.64	-182.02	526.16	40.814230	-103.936645
BPI *NEW* - NELSON RANCHES 10-59 26-2	6012.60	-58.01	-33.22	40.814571	-103.938666
EPI - NELSON RANCHES 10-59 26-2	6012.60	-55.75	-4148.49	40.814576	-103.953533
BHL - NELSON RANCHES 10-59 26-2	6012.60	-59.34	-4448.27	40.814566	-103.954616



Azimuths to True North
Magnetic North: 7.70°

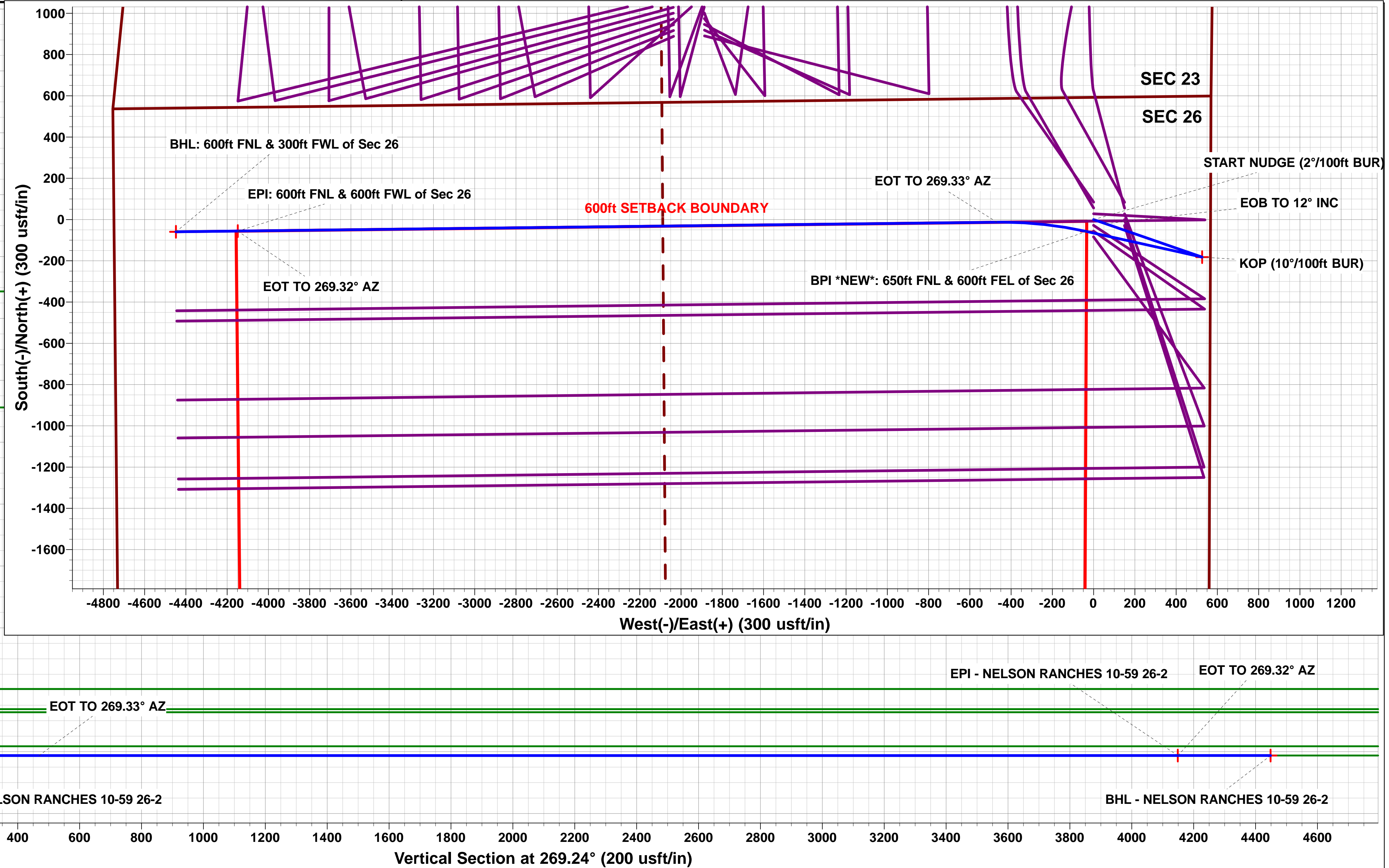
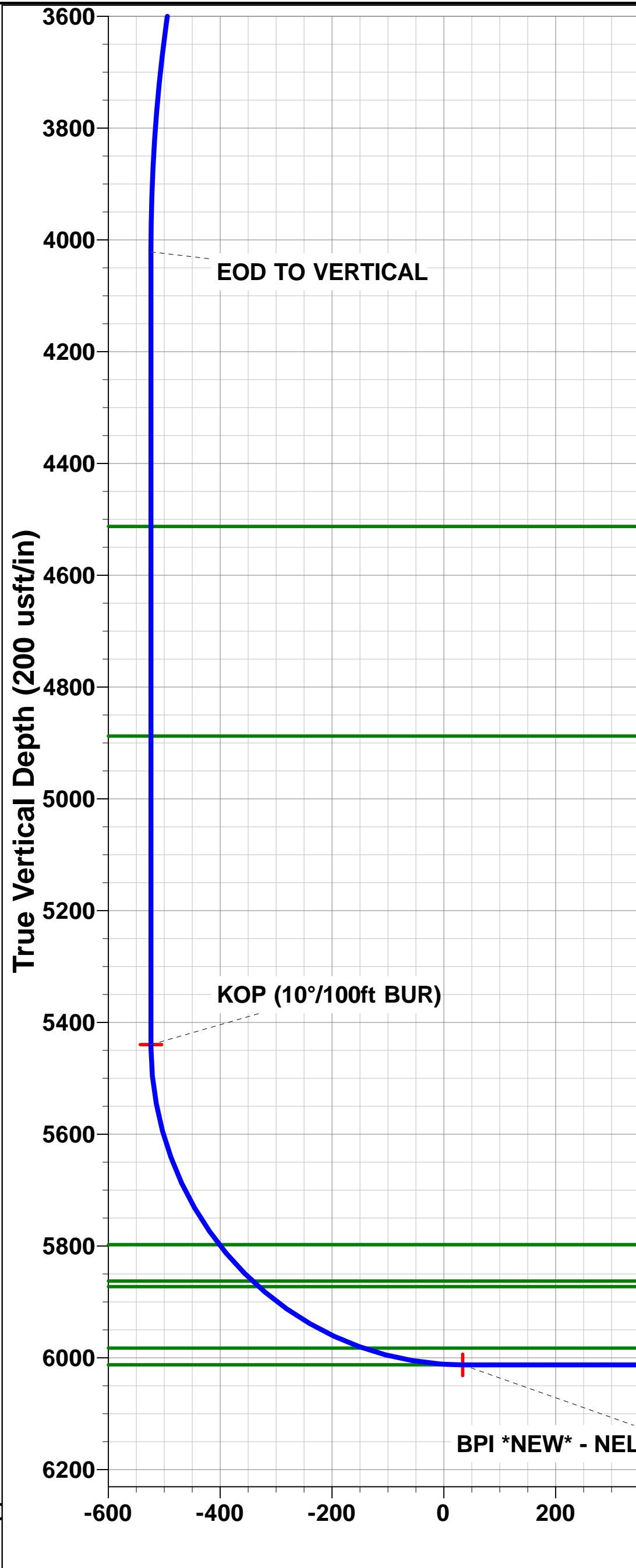
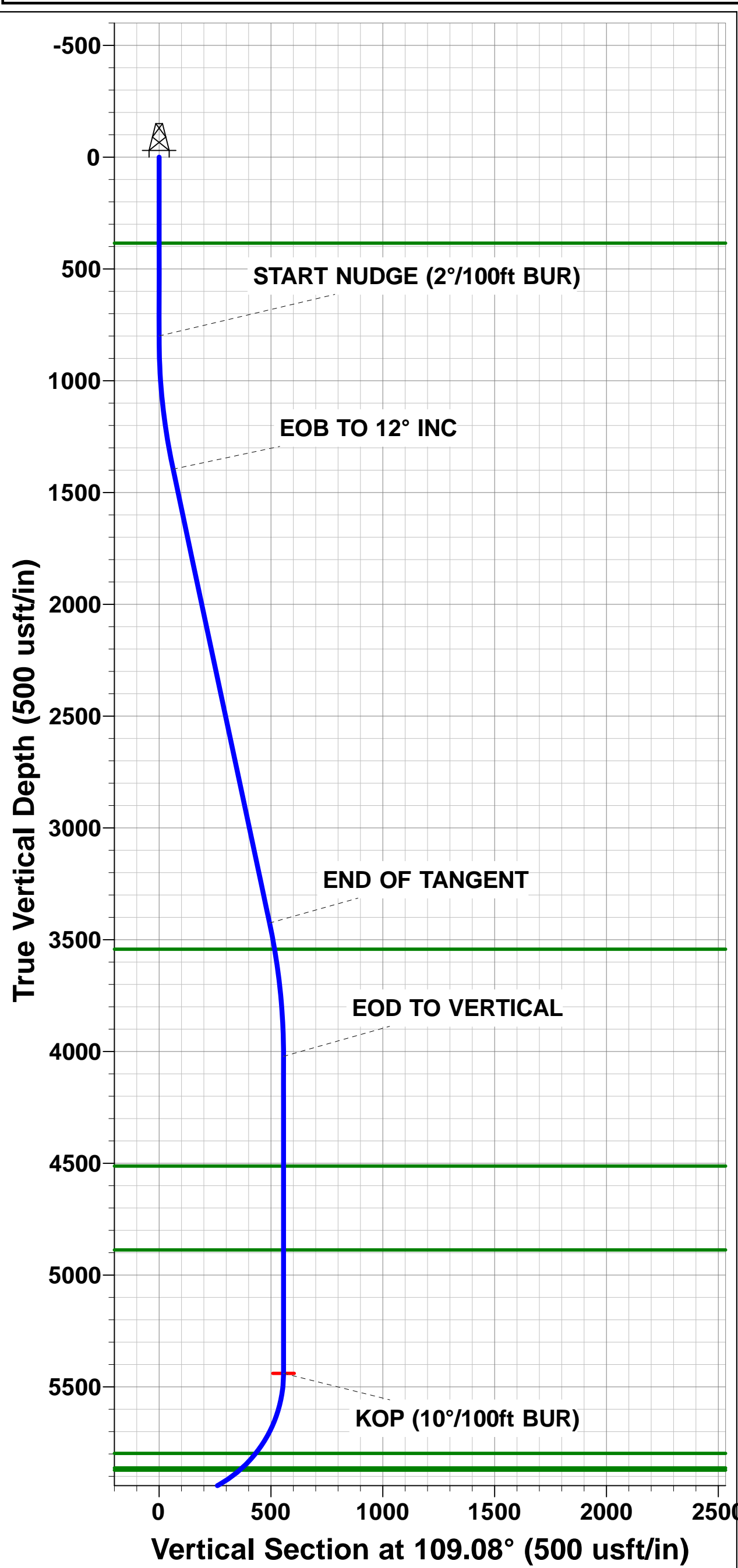
Magnetic Field
Strength: 52584.2snT
Dip Angle: 67.28°
Date: 16/05/2018
Model: IGRF2015

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
384.60	384.60	PIERRE SHALE
3542.60	3594.45	PARKMAN
4512.60	4566.71	SUSSEX
4887.60	4941.71	SHANNON
5797.60	5880.40	SHARON SPRINGS SHALE
5862.60	5969.54	NIOBRARA FORMATION
5872.60	5984.58	NIOBRARA A CHALK
5982.60	6207.52	NIOBRARA B CHALK
6012.60	6393.75	NIO B LP

PROPOSED LOCAL COORDINATES:

SHL: 592ft FNL & 567ft FEL of Sec 26
BEGIN PROD INT *NEW*: 650ft FNL & 600ft FEL of Sec 26
END PROD INTERVAL: 600ft FNL & 600ft FWL of Sec 26
BHL: 600ft FNL & 300ft FWL of Sec 26



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NELSON RANCHES 10-59 26-2
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Site:	NE NE SEC. 26 T10N R59W 6th P.M.	North Reference:	True
Well:	NELSON RANCHES 10-59 26-2	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		NE NE SEC. 26 T10N R59W 6th P.M.			
Site Position:		Northing:	1,543,542.91 usft	Latitude:	40.814961
From:	Lat/Long	Easting:	3,432,197.01 usft	Longitude:	-103.938545
Position Uncertainty:	0.00 usft	Slot Radius:	1.10000ft	Grid Convergence:	1.01 °

Well	NELSON RANCHES 10-59 26-2					
Well Position	+N/-S	-84.17 usft	Northing:	1,543,458.75 usft	Latitude:	40.814730
	+E/-W	-0.28 usft	Easting:	3,432,198.21 usft	Longitude:	-103.938546
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,937.60 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	16/05/2018	7.70	67.28	52,584

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.24

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100usf)	Turn Rate (°/100usf)	TFO (°)	Target
0.00	0.00	0.00	0.00	-4,962.60	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	-4,162.60	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	12.00	109.08	1,395.62	-3,566.98	-20.47	59.16	2.00	2.00	0.00	109.08	
3,475.64	12.00	109.08	3,425.90	-1,536.70	-161.55	467.00	0.00	0.00	0.00	0.00	
4,075.64	0.00	0.00	4,021.53	-941.07	-182.02	526.16	2.00	-2.00	0.00	180.00	
5,493.75	0.00	0.00	5,439.64	477.04	-182.02	526.16	0.00	0.00	0.00	0.00	KOP - NELSON RA
6,393.75	90.00	282.50	6,012.60	1,050.00	-58.01	-33.22	10.00	10.00	-8.61	282.50	BPI *NEW* - NELS
6,832.67	90.00	269.33	6,012.60	1,050.00	-12.87	-468.84	3.00	0.00	-3.00	-90.00	
10,512.57	90.00	269.33	6,012.60	1,050.00	-55.75	-4,148.49	0.00	0.00	0.00	0.00	EPI - NELSON RA
10,512.98	90.00	269.32	6,012.60	1,050.00	-55.75	-4,148.90	3.00	0.00	-3.00	-90.00	
10,812.37	90.00	269.31	6,012.60	1,050.00	-59.34	-4,448.27	0.00	0.00	0.00	-90.11	BHL - NELSON RA

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NELSON RANCHES 10-59 26-2
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Site:	NE NE SEC. 26 T10N R59W 6th P.M.	North Reference:	True
Well:	NELSON RANCHES 10-59 26-2	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: 592ft FNL & 567ft FEL of Sec 26										
0.00	0.00	0.00	0.00	4,962.60	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	4,862.60	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	4,762.60	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	4,662.60	0.00	0.00	0.00	0.00	0.00	0.00
PIERRE SHALE (BASE OF FOX HILLS)										
384.60	0.00	0.00	384.60	4,578.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	4,562.60	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	4,462.60	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	4,362.60	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	4,262.60	0.00	0.00	0.00	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
800.00	0.00	0.00	800.00	4,162.60	0.00	0.00	0.00	0.00	0.00	0.00
900.00	2.00	109.08	899.98	4,062.62	-0.57	1.65	-1.64	2.00	2.00	0.00
1,000.00	4.00	109.08	999.84	3,962.76	-2.28	6.60	-6.56	2.00	2.00	0.00
1,100.00	6.00	109.08	1,099.45	3,863.15	-5.13	14.83	-14.76	2.00	2.00	0.00
1,200.00	8.00	109.08	1,198.70	3,763.90	-9.11	26.35	-26.22	2.00	2.00	0.00
1,300.00	10.00	109.08	1,297.47	3,665.13	-14.23	41.13	-40.94	2.00	2.00	0.00
EOB TO 12° INC										
1,400.00	12.00	109.08	1,395.62	3,566.98	-20.47	59.16	-58.88	2.00	2.00	0.00
1,500.00	12.00	109.08	1,493.44	3,469.16	-27.26	78.81	-78.44	0.00	0.00	0.00
1,600.00	12.00	109.08	1,591.25	3,371.35	-34.06	98.46	-98.00	0.00	0.00	0.00
1,700.00	12.00	109.08	1,689.07	3,273.53	-40.86	118.11	-117.55	0.00	0.00	0.00
1,800.00	12.00	109.08	1,786.88	3,175.72	-47.66	137.76	-137.11	0.00	0.00	0.00
1,900.00	12.00	109.08	1,884.70	3,077.90	-54.45	157.41	-156.67	0.00	0.00	0.00
2,000.00	12.00	109.08	1,982.51	2,980.09	-61.25	177.05	-176.22	0.00	0.00	0.00
2,100.00	12.00	109.08	2,080.33	2,882.27	-68.05	196.70	-195.78	0.00	0.00	0.00
2,200.00	12.00	109.08	2,178.14	2,784.46	-74.84	216.35	-215.33	0.00	0.00	0.00
2,300.00	12.00	109.08	2,275.96	2,686.64	-81.64	236.00	-234.89	0.00	0.00	0.00
2,400.00	12.00	109.08	2,373.77	2,588.83	-88.44	255.65	-254.45	0.00	0.00	0.00
2,500.00	12.00	109.08	2,471.59	2,491.01	-95.24	275.30	-274.00	0.00	0.00	0.00
2,600.00	12.00	109.08	2,569.40	2,393.20	-102.03	294.95	-293.56	0.00	0.00	0.00
2,700.00	12.00	109.08	2,667.22	2,295.38	-108.83	314.60	-313.12	0.00	0.00	0.00
2,800.00	12.00	109.08	2,765.03	2,197.57	-115.63	334.24	-332.67	0.00	0.00	0.00
2,900.00	12.00	109.08	2,862.84	2,099.76	-122.43	353.89	-352.23	0.00	0.00	0.00
3,000.00	12.00	109.08	2,960.66	2,001.94	-129.22	373.54	-371.78	0.00	0.00	0.00
3,100.00	12.00	109.08	3,058.47	1,904.13	-136.02	393.19	-391.34	0.00	0.00	0.00
3,200.00	12.00	109.08	3,156.29	1,806.31	-142.82	412.84	-410.90	0.00	0.00	0.00
3,300.00	12.00	109.08	3,254.10	1,708.50	-149.61	432.49	-430.45	0.00	0.00	0.00
3,400.00	12.00	109.08	3,351.92	1,610.68	-156.41	452.14	-450.01	0.00	0.00	0.00
END OF TANGENT										
3,475.64	12.00	109.08	3,425.90	1,536.70	-161.55	467.00	-464.80	0.00	0.00	0.00
3,500.00	11.51	109.08	3,449.75	1,512.85	-163.18	471.69	-469.47	2.00	-2.00	0.00
PARKMAN										
3,594.45	9.62	109.08	3,542.60	1,420.00	-168.84	488.06	-485.76	2.00	-2.00	0.00
3,600.00	9.51	109.08	3,548.07	1,414.53	-169.14	488.93	-486.63	2.00	-2.00	0.00
3,700.00	7.51	109.08	3,646.96	1,315.64	-173.98	502.92	-500.55	2.00	-2.00	0.00
3,800.00	5.51	109.08	3,746.31	1,216.29	-177.69	513.64	-511.22	2.00	-2.00	0.00
3,900.00	3.51	109.08	3,846.00	1,116.60	-180.26	521.07	-518.62	2.00	-2.00	0.00
4,000.00	1.51	109.08	3,945.90	1,016.70	-181.69	525.22	-522.75	2.00	-2.00	0.00
EOD TO VERTICAL										
4,075.64	0.00	0.00	4,021.53	941.07	-182.02	526.16	-523.69	2.00	-2.00	0.00
4,100.00	0.00	0.00	4,045.89	916.71	-182.02	526.16	-523.69	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NELSON RANCHES 10-59 26-2
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Site:	NE NE SEC. 26 T10N R59W 6th P.M.	North Reference:	True
Well:	NELSON RANCHES 10-59 26-2	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)
4,200.00	0.00	0.00	4,145.89	816.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,300.00	0.00	0.00	4,245.89	716.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,400.00	0.00	0.00	4,345.89	616.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,500.00	0.00	0.00	4,445.89	516.71	-182.02	526.16	-523.69	0.00	0.00	0.00
SUSSEX										
4,566.71	0.00	0.00	4,512.60	450.00	-182.02	526.16	-523.69	0.00	0.00	0.00
4,600.00	0.00	0.00	4,545.89	416.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,700.00	0.00	0.00	4,645.89	316.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,800.00	0.00	0.00	4,745.89	216.71	-182.02	526.16	-523.69	0.00	0.00	0.00
4,900.00	0.00	0.00	4,845.89	116.71	-182.02	526.16	-523.69	0.00	0.00	0.00
SHANNON										
4,941.71	0.00	0.00	4,887.60	75.00	-182.02	526.16	-523.69	0.00	0.00	0.00
5,000.00	0.00	0.00	4,945.89	16.71	-182.02	526.16	-523.69	0.00	0.00	0.00
5,100.00	0.00	0.00	5,045.89	-83.29	-182.02	526.16	-523.69	0.00	0.00	0.00
5,200.00	0.00	0.00	5,145.89	-183.29	-182.02	526.16	-523.69	0.00	0.00	0.00
5,300.00	0.00	0.00	5,245.89	-283.29	-182.02	526.16	-523.69	0.00	0.00	0.00
5,400.00	0.00	0.00	5,345.89	-383.29	-182.02	526.16	-523.69	0.00	0.00	0.00
KOP (10°/100ft BUR)										
5,493.75	0.00	0.00	5,439.64	-477.04	-182.02	526.16	-523.69	0.00	0.00	0.00
5,500.00	0.62	282.50	5,445.89	-483.29	-182.01	526.13	-523.65	10.00	10.00	0.00
5,600.00	10.62	282.50	5,545.28	-582.68	-179.89	516.57	-514.12	10.00	10.00	0.00
5,700.00	20.62	282.50	5,641.46	-678.86	-174.07	490.31	-487.94	10.00	10.00	0.00
5,800.00	30.62	282.50	5,731.51	-768.91	-164.72	448.14	-445.90	10.00	10.00	0.00
SHARON SPRINGS SHALE										
5,880.40	38.66	282.50	5,797.60	-835.00	-154.84	403.56	-401.45	10.00	10.00	0.00
5,900.00	40.62	282.50	5,812.70	-850.10	-152.13	391.34	-389.28	10.00	10.00	0.00
NIOBRARA FORMATION										
5,969.54	47.58	282.50	5,862.60	-900.00	-141.66	344.13	-342.21	10.00	10.00	0.00
NIOBRARA A CHALK										
5,984.58	49.08	282.50	5,872.60	-910.00	-139.23	333.16	-331.27	10.00	10.00	0.00
6,000.00	50.62	282.50	5,882.54	-919.94	-136.68	321.65	-319.80	10.00	10.00	0.00
6,100.00	60.62	282.50	5,938.93	-976.33	-118.84	241.17	-239.57	10.00	10.00	0.00
6,200.00	70.62	282.50	5,980.15	-1,017.55	-99.15	152.36	-151.02	10.00	10.00	0.00
NIOBRARA B CHALK										
6,207.52	71.38	282.50	5,982.60	-1,020.00	-97.61	145.41	-144.10	10.00	10.00	0.00
6,300.00	80.62	282.50	6,004.95	-1,042.35	-78.21	57.91	-56.86	10.00	10.00	0.00
BPI *NEW*: 650ft FNL & 600ft FEL of Sec 26 - NIO B LP										
6,393.75	90.00	282.50	6,012.60	-1,050.00	-58.01	-33.22	33.99	10.00	10.00	0.00
6,400.00	90.00	282.31	6,012.60	-1,050.00	-56.67	-39.32	40.07	3.00	0.00	-3.00
6,500.00	90.00	279.31	6,012.60	-1,050.00	-37.91	-137.53	138.02	3.00	0.00	-3.00
6,600.00	90.00	276.31	6,012.60	-1,050.00	-24.32	-236.59	236.90	3.00	0.00	-3.00
6,700.00	90.00	273.31	6,012.60	-1,050.00	-15.93	-336.23	336.41	3.00	0.00	-3.00
6,800.00	90.00	270.31	6,012.60	-1,050.00	-12.77	-436.17	436.30	3.00	0.00	-3.00
EOT TO 269.33° AZ										
6,832.67	90.00	269.33	6,012.60	-1,050.00	-12.87	-468.84	468.97	3.00	0.00	-3.00
6,900.00	90.00	269.33	6,012.60	-1,050.00	-13.65	-536.16	536.30	0.00	0.00	0.00
7,000.00	90.00	269.33	6,012.60	-1,050.00	-14.82	-636.15	636.30	0.00	0.00	0.00
7,100.00	90.00	269.33	6,012.60	-1,050.00	-15.98	-736.15	736.30	0.00	0.00	0.00
7,200.00	90.00	269.33	6,012.60	-1,050.00	-17.15	-836.14	836.30	0.00	0.00	0.00
7,300.00	90.00	269.33	6,012.60	-1,050.00	-18.31	-936.13	936.30	0.00	0.00	0.00
7,400.00	90.00	269.33	6,012.60	-1,050.00	-19.48	-1,036.13	1,036.30	0.00	0.00	0.00
7,500.00	90.00	269.33	6,012.60	-1,050.00	-20.65	-1,136.12	1,136.29	0.00	0.00	0.00
7,600.00	90.00	269.33	6,012.60	-1,050.00	-21.81	-1,236.11	1,236.29	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NELSON RANCHES 10-59 26-2
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Site:	NE NE SEC. 26 T10N R59W 6th P.M.	North Reference:	True
Well:	NELSON RANCHES 10-59 26-2	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)
7,700.00	90.00	269.33	6,012.60	-1,050.00	-22.98	-1,336.11	1,336.29	0.00	0.00	0.00
7,800.00	90.00	269.33	6,012.60	-1,050.00	-24.14	-1,436.10	1,436.29	0.00	0.00	0.00
7,900.00	90.00	269.33	6,012.60	-1,050.00	-25.31	-1,536.09	1,536.29	0.00	0.00	0.00
8,000.00	90.00	269.33	6,012.60	-1,050.00	-26.47	-1,636.09	1,636.29	0.00	0.00	0.00
8,100.00	90.00	269.33	6,012.60	-1,050.00	-27.64	-1,736.08	1,736.29	0.00	0.00	0.00
8,200.00	90.00	269.33	6,012.60	-1,050.00	-28.80	-1,836.07	1,836.29	0.00	0.00	0.00
8,300.00	90.00	269.33	6,012.60	-1,050.00	-29.97	-1,936.07	1,936.29	0.00	0.00	0.00
8,400.00	90.00	269.33	6,012.60	-1,050.00	-31.13	-2,036.06	2,036.29	0.00	0.00	0.00
8,500.00	90.00	269.33	6,012.60	-1,050.00	-32.30	-2,136.05	2,136.29	0.00	0.00	0.00
8,600.00	90.00	269.33	6,012.60	-1,050.00	-33.46	-2,236.05	2,236.29	0.00	0.00	0.00
8,700.00	90.00	269.33	6,012.60	-1,050.00	-34.63	-2,336.04	2,336.29	0.00	0.00	0.00
8,800.00	90.00	269.33	6,012.60	-1,050.00	-35.79	-2,436.03	2,436.29	0.00	0.00	0.00
8,900.00	90.00	269.33	6,012.60	-1,050.00	-36.96	-2,536.03	2,536.29	0.00	0.00	0.00
9,000.00	90.00	269.33	6,012.60	-1,050.00	-38.12	-2,636.02	2,636.29	0.00	0.00	0.00
9,100.00	90.00	269.33	6,012.60	-1,050.00	-39.29	-2,736.01	2,736.29	0.00	0.00	0.00
9,200.00	90.00	269.33	6,012.60	-1,050.00	-40.45	-2,836.01	2,836.29	0.00	0.00	0.00
9,300.00	90.00	269.33	6,012.60	-1,050.00	-41.62	-2,936.00	2,936.29	0.00	0.00	0.00
9,400.00	90.00	269.33	6,012.60	-1,050.00	-42.79	-3,035.99	3,036.29	0.00	0.00	0.00
9,500.00	90.00	269.33	6,012.60	-1,050.00	-43.95	-3,135.98	3,136.29	0.00	0.00	0.00
9,600.00	90.00	269.33	6,012.60	-1,050.00	-45.12	-3,235.98	3,236.29	0.00	0.00	0.00
9,700.00	90.00	269.33	6,012.60	-1,050.00	-46.28	-3,335.97	3,336.29	0.00	0.00	0.00
9,800.00	90.00	269.33	6,012.60	-1,050.00	-47.45	-3,435.96	3,436.29	0.00	0.00	0.00
9,900.00	90.00	269.33	6,012.60	-1,050.00	-48.61	-3,535.96	3,536.29	0.00	0.00	0.00
10,000.00	90.00	269.33	6,012.60	-1,050.00	-49.78	-3,635.95	3,636.29	0.00	0.00	0.00
10,100.00	90.00	269.33	6,012.60	-1,050.00	-50.94	-3,735.94	3,736.29	0.00	0.00	0.00
10,200.00	90.00	269.33	6,012.60	-1,050.00	-52.11	-3,835.94	3,836.29	0.00	0.00	0.00
10,300.00	90.00	269.33	6,012.60	-1,050.00	-53.27	-3,935.93	3,936.29	0.00	0.00	0.00
10,400.00	90.00	269.33	6,012.60	-1,050.00	-54.44	-4,035.92	4,036.29	0.00	0.00	0.00
10,500.00	90.00	269.33	6,012.60	-1,050.00	-55.60	-4,135.92	4,136.29	0.00	0.00	0.00
EPI: 600ft FNL & 600ft FWL of Sec 26										
10,512.57	90.00	269.33	6,012.60	-1,050.00	-55.75	-4,148.49	4,148.86	0.00	0.00	0.00
EOT TO 269.32° AZ										
10,512.98	90.00	269.32	6,012.60	-1,050.00	-55.75	-4,148.90	4,149.27	3.00	0.00	-3.00
10,600.00	90.00	269.32	6,012.60	-1,050.00	-56.79	-4,235.91	4,236.29	0.00	0.00	0.00
10,700.00	90.00	269.31	6,012.60	-1,050.00	-57.99	-4,335.90	4,336.29	0.00	0.00	0.00
10,800.00	90.00	269.31	6,012.60	-1,050.00	-59.19	-4,435.90	4,436.29	0.00	0.00	0.00
BHL: 600ft FNL & 300ft FWL of Sec 26										
10,812.37	90.00	269.31	6,012.60	-1,050.00	-59.34	-4,448.27	4,448.66	0.00	0.00	0.00

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NELSON RANCHES 10-59 26-2
Company:	BISON OIL & GAS II, LLC	TVD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4962.60usft (Original Well Elev)
Site:	NE NE SEC. 26 T10N R59W 6th P.M.	North Reference:	True
Well:	NELSON RANCHES 10-59 26-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations					
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
384.60	384.60	PIERRE SHALE (BASE OF FOX HI			
3,594.45	3,542.60	PARKMAN			
4,566.71	4,512.60	SUSSEX			
4,941.71	4,887.60	SHANNON			
5,880.40	5,797.60	SHARON SPRINGS SHALE			
5,969.54	5,862.60	NIOBRARA FORMATION			
5,984.58	5,872.60	NIOBRARA A CHALK			
6,207.52	5,982.60	NIOBRARA B CHALK			
6,393.75	6,012.60	NIO B LP			

Plan Annotations				
MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.00	0.00	0.00	0.00	SHL: 592ft FNL & 567ft FEL of Sec 26
800.00	800.00	0.00	0.00	START NUDGE (2°/100ft BUR)
1,400.00	1,395.62	-20.47	59.16	EOB TO 12° INC
3,475.64	3,425.90	-161.55	467.00	END OF TANGENT
4,075.64	4,021.53	-182.02	526.16	EOD TO VERTICAL
5,493.75	5,439.64	-182.02	526.16	KOP (10°/100ft BUR)
6,393.75	6,012.60	-58.01	-33.22	BPI *NEW*: 650ft FNL & 600ft FEL of Sec 26
6,832.67	6,012.60	-12.87	-468.84	EOT TO 269.33° AZ
10,512.57	6,012.60	-55.75	-4,148.49	EPI: 600ft FNL & 600ft FWL of Sec 26
10,512.98	6,012.60	-55.75	-4,148.90	EOT TO 269.32° AZ
10,812.37	6,012.60	-59.34	-4,448.27	BHL: 600ft FNL & 300ft FWL of Sec 26