

BISON IV OPERATING

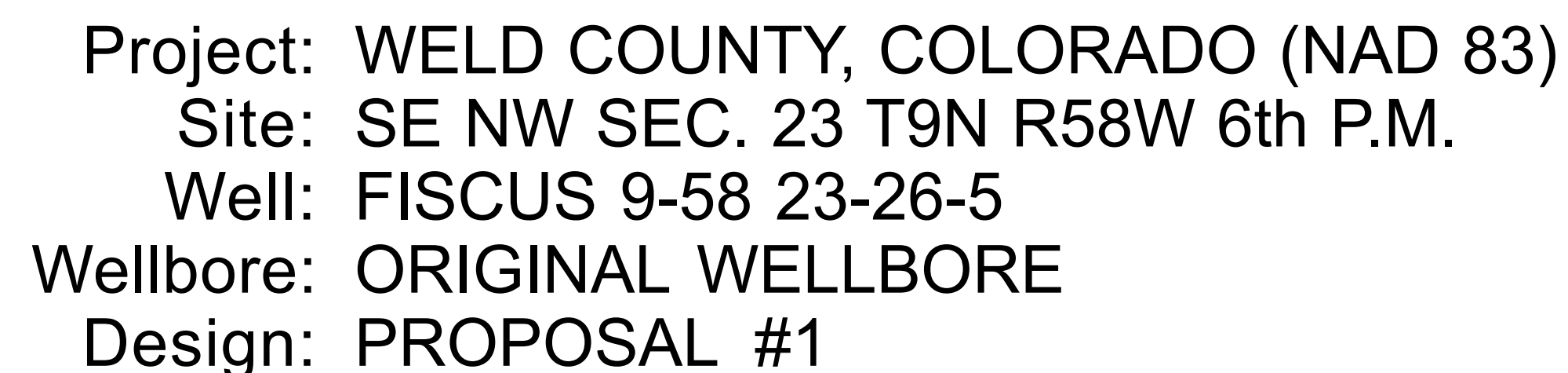
**WELD COUNTY, COLORADO (NAD 83)
SE NW SEC. 23 T9N R58W 6th P.M.
FISCUS 9-58 23-26-5**

ORIGINAL WELLBORE

01 February, 2024

Plan: PROPOSAL #1

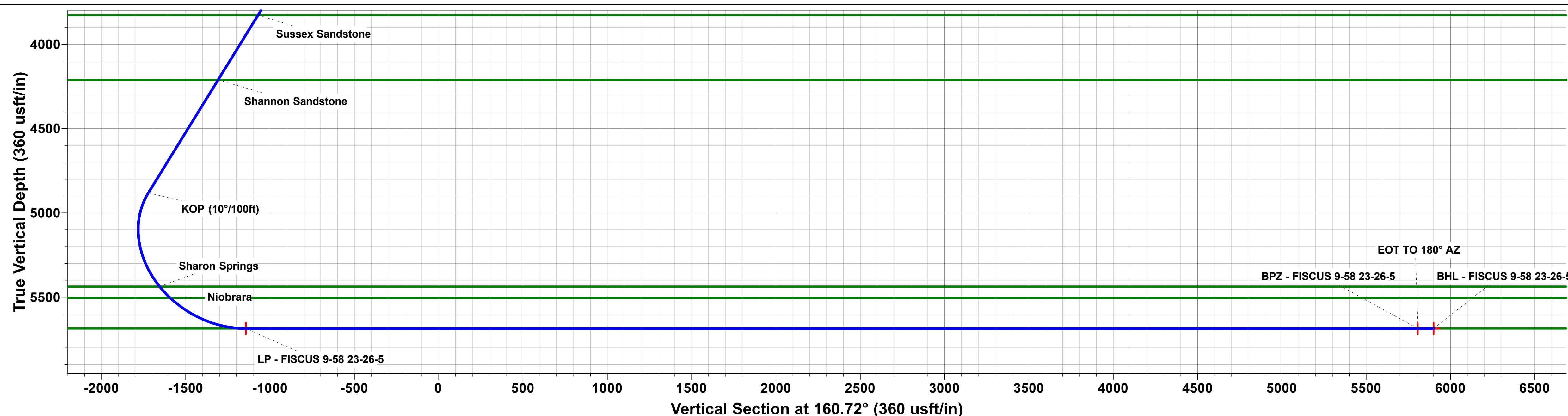
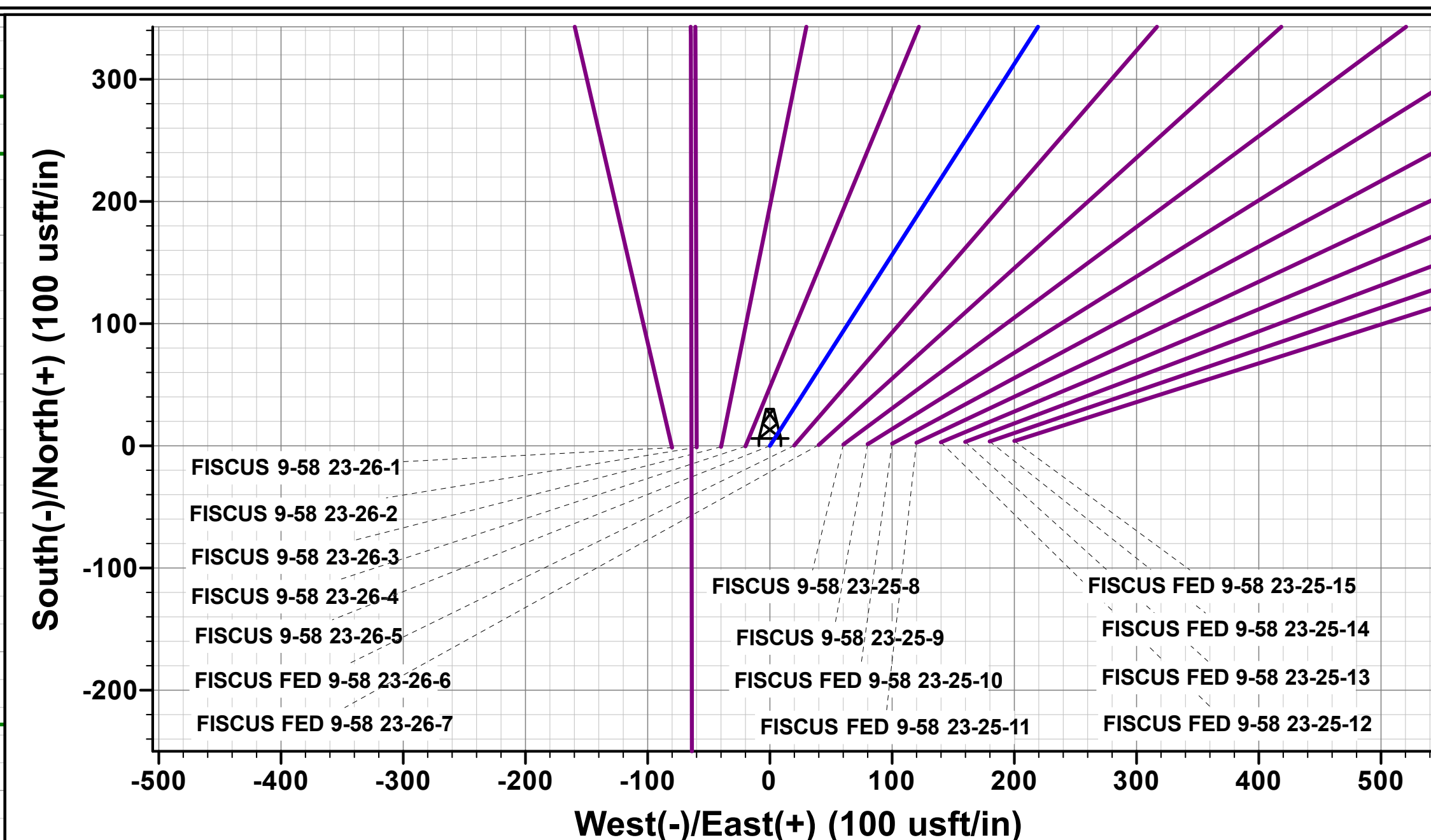




MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Dep	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 2151ft FNL & 1731ft FWL of Sec 23
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	START NUDDGE (3°/100ft)
2799.34	44.98	32.60	2650.00	470.87	301.11	-345.06	558.91	EOB TO 44.98° INC
5954.41	44.98	32.60	4881.76	2349.76	1502.59	-1721.90	2789.11	KOP (10°/100ft)
7219.51	90.00	179.92	5686.00	1889.87	1937.20	-1144.31	3680.03	LP: 300ft FNL & 1603ft FEL of Sec 23
14578.25	90.00	179.92	5686.00	-5468.86	1947.76	5805.27	11038.76	BPZ: 2340ft FNL & 1590ft FEL of Sec 26
14580.87	90.00	180.00	5686.00	-5471.49	1947.76	5807.75	11041.39	EOT TO 180° AZ
14678.08	90.00	180.00	5686.00	-5568.69	1947.77	5899.50	11138.59	BHL: 2440ft FNL & 1590ft FEL of Sec 26

BHL: 2440ft FNL & 1590ft FEL of Sec 26

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
LP - FISCUS 9-58 23-26-5	5686.00	1889.87	1937.20	40.743496	-103.827221
BPZ - FISCUS 9-58 23-26-5	5686.00	-5468.86	1947.76	40.723298	-103.827185
BHL - FISCUS 9-58 23-26-5	5686.00	-5568.69	1947.77	40.723024	-103.827185



Database:	Database 1	Local Co-ordinate Reference:	Well FISCUS 9-58 23-26-5
Company:	BISON IV OPERATING	TVD Reference:	KBE @ 4732.00usft
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KBE @ 4732.00usft
Site:	SE NW SEC. 23 T9N R58W 6th P.M.	North Reference:	True
Well:	FISCUS 9-58 23-26-5	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		

Site	SE NW SEC. 23 T9N R58W 6th P.M.				
Site Position:		Northing:	1,516,143.38 usft	Latitude:	40.738305
From:	Lat/Long	Easting:	3,461,516.71 usft	Longitude:	-103.834501
Position Uncertainty:	0.00 usft	Slot Radius:	1.10 ft	Grid Convergence:	1.08 °

Well	FISCUS 9-58 23-26-5					
Well Position	+N/-S	1.45 usft	Northing:	1,516,146.34 usft	Latitude:	40.738309
	+E/-W	80.09 usft	Easting:	3,461,596.76 usft	Longitude:	-103.834212
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	4,712.00 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2024-02-01	7.10	66.94	51,945.06002209

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	160.72

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	-4,732.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	-3,432.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,799.34	44.98	32.60	2,650.00	-2,082.00	470.87	301.11	3.00	3.00	0.00	32.60	
5,954.41	44.98	32.60	4,881.76	149.76	2,349.76	1,502.59	0.00	0.00	0.00	0.00	
7,219.51	90.00	179.92	5,686.00	954.00	1,889.87	1,937.20	10.00	3.56	11.64	137.80	LP - FISCUS 9-58 2
14,578.25	90.00	179.92	5,686.00	954.00	-5,468.86	1,947.76	0.00	0.00	0.00	0.00	BPZ - FISCUS 9-58
14,580.87	90.00	180.00	5,686.00	954.00	-5,471.49	1,947.76	3.00	0.00	3.00	90.00	
14,678.08	90.00	180.00	5,686.00	954.00	-5,568.69	1,947.77	0.00	0.00	0.00	0.00	BHL - FISCUS 9-58

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KBE @ 4732.00usft
Site:	SE NW SEC. 23 T9N R58W 6th P.M.	North Reference:	True
Well:	FISCUS 9-58 23-26-5	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: 2151ft FNL & 1731ft FWL of Sec 23 - Laramie Fox Hills										
0.00	0.00	0.00	0.00	4,732.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	4,632.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	4,532.00	0.00	0.00	0.00	0.00	0.00	0.00
Upper Pierre										
207.00	0.00	0.00	207.00	4,525.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	4,432.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	4,332.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	4,232.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	4,132.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	4,032.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	3,932.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	3,832.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	3,732.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	3,632.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	3,532.00	0.00	0.00	0.00	0.00	0.00	0.00
START NUDGE (3°/100ft)										
1,300.00	0.00	0.00	1,300.00	3,432.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	3.00	32.60	1,399.95	3,332.05	2.21	1.41	-1.62	3.00	3.00	0.00
1,500.00	6.00	32.60	1,499.63	3,232.37	8.81	5.64	-6.46	3.00	3.00	0.00
1,600.00	9.00	32.60	1,598.77	3,133.23	19.81	12.67	-14.52	3.00	3.00	0.00
1,700.00	12.00	32.60	1,697.08	3,034.92	35.16	22.48	-25.77	3.00	3.00	0.00
1,800.00	15.00	32.60	1,794.31	2,937.69	54.83	35.06	-40.18	3.00	3.00	0.00
1,900.00	18.00	32.60	1,890.18	2,841.82	78.75	50.36	-57.71	3.00	3.00	0.00
2,000.00	21.00	32.60	1,984.43	2,747.57	106.87	68.34	-78.31	3.00	3.00	0.00
2,100.00	24.00	32.60	2,076.81	2,655.19	139.11	88.95	-101.94	3.00	3.00	0.00
2,200.00	27.00	32.60	2,167.06	2,564.94	175.37	112.14	-128.51	3.00	3.00	0.00
2,300.00	30.00	32.60	2,254.93	2,477.07	215.57	137.85	-157.97	3.00	3.00	0.00
Pierre Shale										
2,308.17	30.25	32.60	2,262.00	2,470.00	219.02	140.06	-160.50	3.00	3.00	0.00
2,400.00	33.00	32.60	2,340.18	2,391.82	259.58	165.99	-190.22	3.00	3.00	0.00
2,500.00	36.00	32.60	2,422.59	2,309.41	307.29	196.50	-225.18	3.00	3.00	0.00
2,600.00	39.00	32.60	2,501.91	2,230.09	358.57	229.30	-262.76	3.00	3.00	0.00
2,700.00	42.00	32.60	2,577.95	2,154.05	413.28	264.28	-302.85	3.00	3.00	0.00
EOB TO 44.98° INC										
2,799.34	44.98	32.60	2,650.00	2,082.00	470.87	301.11	-345.06	3.00	3.00	0.00
2,800.00	44.98	32.60	2,650.47	2,081.53	471.27	301.36	-345.35	0.00	0.00	0.00
2,900.00	44.98	32.60	2,721.21	2,010.79	530.82	339.44	-388.98	0.00	0.00	0.00
3,000.00	44.98	32.60	2,791.94	1,940.06	590.37	377.52	-432.62	0.00	0.00	0.00
3,100.00	44.98	32.60	2,862.68	1,869.32	649.92	415.60	-476.26	0.00	0.00	0.00
3,200.00	44.98	32.60	2,933.42	1,798.58	709.47	453.68	-519.90	0.00	0.00	0.00
3,300.00	44.98	32.60	3,004.15	1,727.85	769.02	491.77	-563.54	0.00	0.00	0.00
3,400.00	44.98	32.60	3,074.89	1,657.11	828.58	529.85	-607.18	0.00	0.00	0.00
3,500.00	44.98	32.60	3,145.62	1,586.38	888.13	567.93	-650.82	0.00	0.00	0.00
Parkman Sandstone										
3,562.74	44.98	32.60	3,190.00	1,542.00	925.49	591.82	-678.20	0.00	0.00	0.00
3,600.00	44.98	32.60	3,216.36	1,515.64	947.68	606.01	-694.46	0.00	0.00	0.00
3,700.00	44.98	32.60	3,287.09	1,444.91	1,007.23	644.09	-738.10	0.00	0.00	0.00
3,800.00	44.98	32.60	3,357.83	1,374.17	1,066.78	682.17	-781.74	0.00	0.00	0.00
3,900.00	44.98	32.60	3,428.56	1,303.44	1,126.33	720.25	-825.38	0.00	0.00	0.00
4,000.00	44.98	32.60	3,499.30	1,232.70	1,185.88	758.33	-869.02	0.00	0.00	0.00
4,100.00	44.98	32.60	3,570.03	1,161.97	1,245.43	796.41	-912.65	0.00	0.00	0.00
4,200.00	44.98	32.60	3,640.77	1,091.23	1,304.99	834.50	-956.29	0.00	0.00	0.00

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Company:	BISON IV OPERATING	TVD Reference:	KBE @ 4732.00usft
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KBE @ 4732.00usft
Site:	SE NW SEC. 23 T9N R58W 6th P.M.	North Reference:	True
Well:	FISCUS 9-58 23-26-5	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)
4,300.00	44.98	32.60	3,711.50	1,020.50	1,364.54	872.58	-999.93	0.00	0.00	0.00
4,400.00	44.98	32.60	3,782.24	949.76	1,424.09	910.66	-1,043.57	0.00	0.00	0.00
Sussex Sandstone										
4,463.28	44.98	32.60	3,827.00	905.00	1,461.77	934.76	-1,071.19	0.00	0.00	0.00
4,500.00	44.98	32.60	3,852.97	879.03	1,483.64	948.74	-1,087.21	0.00	0.00	0.00
4,600.00	44.98	32.60	3,923.71	808.29	1,543.19	986.82	-1,130.85	0.00	0.00	0.00
4,700.00	44.98	32.60	3,994.44	737.56	1,602.74	1,024.90	-1,174.49	0.00	0.00	0.00
4,800.00	44.98	32.60	4,065.18	666.82	1,662.29	1,062.98	-1,218.13	0.00	0.00	0.00
4,900.00	44.98	32.60	4,135.92	596.08	1,721.84	1,101.06	-1,261.77	0.00	0.00	0.00
5,000.00	44.98	32.60	4,206.65	525.35	1,781.40	1,139.14	-1,305.41	0.00	0.00	0.00
Shannon Sandstone										
5,006.15	44.98	32.60	4,211.00	521.00	1,785.06	1,141.49	-1,308.09	0.00	0.00	0.00
5,100.00	44.98	32.60	4,277.39	454.61	1,840.95	1,177.23	-1,349.05	0.00	0.00	0.00
5,200.00	44.98	32.60	4,348.12	383.88	1,900.50	1,215.31	-1,392.69	0.00	0.00	0.00
5,300.00	44.98	32.60	4,418.86	313.14	1,960.05	1,253.39	-1,436.32	0.00	0.00	0.00
5,400.00	44.98	32.60	4,489.59	242.41	2,019.60	1,291.47	-1,479.96	0.00	0.00	0.00
5,500.00	44.98	32.60	4,560.33	171.67	2,079.15	1,329.55	-1,523.60	0.00	0.00	0.00
5,600.00	44.98	32.60	4,631.06	100.94	2,138.70	1,367.63	-1,567.24	0.00	0.00	0.00
5,700.00	44.98	32.60	4,701.80	30.20	2,198.25	1,405.71	-1,610.88	0.00	0.00	0.00
5,800.00	44.98	32.60	4,772.53	-40.53	2,257.81	1,443.79	-1,654.52	0.00	0.00	0.00
5,900.00	44.98	32.60	4,843.27	-111.27	2,317.36	1,481.87	-1,698.16	0.00	0.00	0.00
KOP (10°/100ft)										
5,954.41	44.98	32.60	4,881.76	-149.76	2,349.76	1,502.59	-1,721.90	0.00	0.00	0.00
6,000.00	41.69	37.20	4,914.92	-182.92	2,375.42	1,520.45	-1,740.23	10.00	-7.21	10.10
6,100.00	35.29	49.59	4,993.27	-261.27	2,420.75	1,562.66	-1,769.08	10.00	-6.40	12.39
6,200.00	30.57	65.89	5,077.34	-345.34	2,449.93	1,607.98	-1,781.67	10.00	-4.72	16.30
6,300.00	28.41	85.81	5,164.59	-432.59	2,462.09	1,655.04	-1,777.60	10.00	-2.16	19.92
6,400.00	29.38	106.50	5,252.36	-520.36	2,456.84	1,702.41	-1,757.01	10.00	0.97	20.69
6,500.00	33.20	124.38	5,337.99	-605.99	2,434.36	1,748.64	-1,720.53	10.00	3.82	17.88
6,600.00	39.04	138.21	5,418.87	-686.87	2,395.32	1,792.34	-1,669.25	10.00	5.84	13.83
Sharon Springs										
6,623.61	40.62	140.94	5,437.00	-705.00	2,383.81	1,802.14	-1,655.15	10.00	6.71	11.58
6,700.00	46.13	148.67	5,492.54	-760.54	2,340.91	1,832.17	-1,604.74	10.00	7.21	10.12
Niobrara										
6,716.73	47.40	150.17	5,504.00	-772.00	2,330.42	1,838.37	-1,592.79	10.00	7.58	8.95
6,800.00	53.96	156.80	5,556.77	-824.77	2,272.79	1,866.92	-1,528.96	10.00	7.88	7.97
6,900.00	62.24	163.42	5,609.61	-877.61	2,193.02	1,895.55	-1,444.21	10.00	8.28	6.62
7,000.00	70.79	169.08	5,649.44	-917.44	2,104.02	1,917.17	-1,353.07	10.00	8.55	5.66
7,100.00	79.50	174.18	5,675.07	-943.07	2,008.51	1,931.13	-1,258.30	10.00	8.71	5.09
7,200.00	88.28	178.99	5,685.71	-953.71	1,909.38	1,937.01	-1,162.79	10.00	8.78	4.81
LP: 300ft FNL & 1603ft FEL of Sec 23 - Niobrara C Landing										
7,219.51	90.00	179.92	5,686.00	-954.00	1,889.87	1,937.20	-1,144.31	10.00	8.80	4.75
7,300.00	90.00	179.92	5,686.00	-954.00	1,809.38	1,937.32	-1,068.30	0.00	0.00	0.00
7,400.00	90.00	179.92	5,686.00	-954.00	1,709.38	1,937.46	-973.86	0.00	0.00	0.00
7,500.00	90.00	179.92	5,686.00	-954.00	1,609.38	1,937.60	-879.42	0.00	0.00	0.00
7,600.00	90.00	179.92	5,686.00	-954.00	1,509.38	1,937.75	-784.98	0.00	0.00	0.00
7,700.00	90.00	179.92	5,686.00	-954.00	1,409.38	1,937.89	-690.54	0.00	0.00	0.00
7,800.00	90.00	179.92	5,686.00	-954.00	1,309.38	1,938.03	-596.10	0.00	0.00	0.00
7,900.00	90.00	179.92	5,686.00	-954.00	1,209.38	1,938.18	-501.66	0.00	0.00	0.00
8,000.00	90.00	179.92	5,686.00	-954.00	1,109.38	1,938.32	-407.22	0.00	0.00	0.00
8,100.00	90.00	179.92	5,686.00	-954.00	1,009.38	1,938.46	-312.78	0.00	0.00	0.00
8,200.00	90.00	179.92	5,686.00	-954.00	909.38	1,938.61	-218.34	0.00	0.00	0.00
8,300.00	90.00	179.92	5,686.00	-954.00	809.38	1,938.75	-123.90	0.00	0.00	0.00

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Company:	BISON IV OPERATING	MD Reference:	KBE @ 4732.00usft
Project:	WELD COUNTY, COLORADO (NAD 83)	KD Reference:	KBE @ 4732.00usft
Site:	SE NW SEC. 23 T9N R58W 6th P.M.	North Reference:	True
Well:	FISCUS 9-58 23-26-5	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)
8,400.00	90.00	179.92	5,686.00	-954.00	709.38	1,938.89	-29.46	0.00	0.00	0.00
8,500.00	90.00	179.92	5,686.00	-954.00	609.38	1,939.04	64.98	0.00	0.00	0.00
8,600.00	90.00	179.92	5,686.00	-954.00	509.38	1,939.18	159.42	0.00	0.00	0.00
8,700.00	90.00	179.92	5,686.00	-954.00	409.38	1,939.32	253.86	0.00	0.00	0.00
8,800.00	90.00	179.92	5,686.00	-954.00	309.38	1,939.47	348.30	0.00	0.00	0.00
8,900.00	90.00	179.92	5,686.00	-954.00	209.38	1,939.61	442.74	0.00	0.00	0.00
9,000.00	90.00	179.92	5,686.00	-954.00	109.38	1,939.75	537.18	0.00	0.00	0.00
9,100.00	90.00	179.92	5,686.00	-954.00	9.38	1,939.90	631.62	0.00	0.00	0.00
9,200.00	90.00	179.92	5,686.00	-954.00	-90.62	1,940.04	726.06	0.00	0.00	0.00
9,300.00	90.00	179.92	5,686.00	-954.00	-190.62	1,940.19	820.50	0.00	0.00	0.00
9,400.00	90.00	179.92	5,686.00	-954.00	-290.62	1,940.33	914.94	0.00	0.00	0.00
9,500.00	90.00	179.92	5,686.00	-954.00	-390.62	1,940.47	1,009.38	0.00	0.00	0.00
9,600.00	90.00	179.92	5,686.00	-954.00	-490.62	1,940.62	1,103.82	0.00	0.00	0.00
9,700.00	90.00	179.92	5,686.00	-954.00	-590.62	1,940.76	1,198.26	0.00	0.00	0.00
9,800.00	90.00	179.92	5,686.00	-954.00	-690.62	1,940.90	1,292.70	0.00	0.00	0.00
9,900.00	90.00	179.92	5,686.00	-954.00	-790.62	1,941.05	1,387.14	0.00	0.00	0.00
10,000.00	90.00	179.92	5,686.00	-954.00	-890.62	1,941.19	1,481.58	0.00	0.00	0.00
10,100.00	90.00	179.92	5,686.00	-954.00	-990.62	1,941.33	1,576.02	0.00	0.00	0.00
10,200.00	90.00	179.92	5,686.00	-954.00	-1,090.62	1,941.48	1,670.46	0.00	0.00	0.00
10,300.00	90.00	179.92	5,686.00	-954.00	-1,190.62	1,941.62	1,764.90	0.00	0.00	0.00
10,400.00	90.00	179.92	5,686.00	-954.00	-1,290.62	1,941.76	1,859.34	0.00	0.00	0.00
10,500.00	90.00	179.92	5,686.00	-954.00	-1,390.62	1,941.91	1,953.78	0.00	0.00	0.00
10,600.00	90.00	179.92	5,686.00	-954.00	-1,490.62	1,942.05	2,048.22	0.00	0.00	0.00
10,700.00	90.00	179.92	5,686.00	-954.00	-1,590.62	1,942.19	2,142.66	0.00	0.00	0.00
10,800.00	90.00	179.92	5,686.00	-954.00	-1,690.62	1,942.34	2,237.10	0.00	0.00	0.00
10,900.00	90.00	179.92	5,686.00	-954.00	-1,790.62	1,942.48	2,331.53	0.00	0.00	0.00
11,000.00	90.00	179.92	5,686.00	-954.00	-1,890.62	1,942.62	2,425.97	0.00	0.00	0.00
11,100.00	90.00	179.92	5,686.00	-954.00	-1,990.62	1,942.77	2,520.41	0.00	0.00	0.00
11,200.00	90.00	179.92	5,686.00	-954.00	-2,090.62	1,942.91	2,614.85	0.00	0.00	0.00
11,300.00	90.00	179.92	5,686.00	-954.00	-2,190.62	1,943.05	2,709.29	0.00	0.00	0.00
11,400.00	90.00	179.92	5,686.00	-954.00	-2,290.62	1,943.20	2,803.73	0.00	0.00	0.00
11,500.00	90.00	179.92	5,686.00	-954.00	-2,390.62	1,943.34	2,898.17	0.00	0.00	0.00
11,600.00	90.00	179.92	5,686.00	-954.00	-2,490.62	1,943.49	2,992.61	0.00	0.00	0.00
11,700.00	90.00	179.92	5,686.00	-954.00	-2,590.62	1,943.63	3,087.05	0.00	0.00	0.00
11,800.00	90.00	179.92	5,686.00	-954.00	-2,690.62	1,943.77	3,181.49	0.00	0.00	0.00
11,900.00	90.00	179.92	5,686.00	-954.00	-2,790.62	1,943.92	3,275.93	0.00	0.00	0.00
12,000.00	90.00	179.92	5,686.00	-954.00	-2,890.62	1,944.06	3,370.37	0.00	0.00	0.00
12,100.00	90.00	179.92	5,686.00	-954.00	-2,990.62	1,944.20	3,464.81	0.00	0.00	0.00
12,200.00	90.00	179.92	5,686.00	-954.00	-3,090.62	1,944.35	3,559.25	0.00	0.00	0.00
12,300.00	90.00	179.92	5,686.00	-954.00	-3,190.62	1,944.49	3,653.69	0.00	0.00	0.00
12,400.00	90.00	179.92	5,686.00	-954.00	-3,290.62	1,944.63	3,748.13	0.00	0.00	0.00
12,500.00	90.00	179.92	5,686.00	-954.00	-3,390.62	1,944.78	3,842.57	0.00	0.00	0.00
12,600.00	90.00	179.92	5,686.00	-954.00	-3,490.62	1,944.92	3,937.01	0.00	0.00	0.00
12,700.00	90.00	179.92	5,686.00	-954.00	-3,590.62	1,945.06	4,031.45	0.00	0.00	0.00
12,800.00	90.00	179.92	5,686.00	-954.00	-3,690.62	1,945.21	4,125.89	0.00	0.00	0.00
12,900.00	90.00	179.92	5,686.00	-954.00	-3,790.61	1,945.35	4,220.33	0.00	0.00	0.00
13,000.00	90.00	179.92	5,686.00	-954.00	-3,890.61	1,945.49	4,314.77	0.00	0.00	0.00
13,100.00	90.00	179.92	5,686.00	-954.00	-3,990.61	1,945.64	4,409.21	0.00	0.00	0.00
13,200.00	90.00	179.92	5,686.00	-954.00	-4,090.61	1,945.78	4,503.65	0.00	0.00	0.00
13,300.00	90.00	179.92	5,686.00	-954.00	-4,190.61	1,945.92	4,598.09	0.00	0.00	0.00
13,400.00	90.00	179.92	5,686.00	-954.00	-4,290.61	1,946.07	4,692.53	0.00	0.00	0.00
13,500.00	90.00	179.92	5,686.00	-954.00	-4,390.61	1,946.21	4,786.97	0.00	0.00	0.00
13,600.00	90.00	179.92	5,686.00	-954.00	-4,490.61	1,946.36	4,881.41	0.00	0.00	0.00
13,700.00	90.00	179.92	5,686.00	-954.00	-4,590.61	1,946.50	4,975.85	0.00	0.00	0.00

Database:	Database 1	Local Co-ordinate Reference:	Well FISCUS 9-58 23-26-5
Company:	BISON IV OPERATING	TVD Reference:	KBE @ 4732.00usft
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KBE @ 4732.00usft
Site:	SE NW SEC. 23 T9N R58W 6th P.M.	North Reference:	True
Well:	FISCUS 9-58 23-26-5	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)
13,800.00	90.00	179.92	5,686.00	-954.00	-4,690.61	1,946.64	5,070.29	0.00	0.00	0.00
13,900.00	90.00	179.92	5,686.00	-954.00	-4,790.61	1,946.79	5,164.73	0.00	0.00	0.00
14,000.00	90.00	179.92	5,686.00	-954.00	-4,890.61	1,946.93	5,259.17	0.00	0.00	0.00
14,100.00	90.00	179.92	5,686.00	-954.00	-4,990.61	1,947.07	5,353.61	0.00	0.00	0.00
14,200.00	90.00	179.92	5,686.00	-954.00	-5,090.61	1,947.22	5,448.05	0.00	0.00	0.00
14,300.00	90.00	179.92	5,686.00	-954.00	-5,190.61	1,947.36	5,542.49	0.00	0.00	0.00
14,400.00	90.00	179.92	5,686.00	-954.00	-5,290.61	1,947.50	5,636.93	0.00	0.00	0.00
14,500.00	90.00	179.92	5,686.00	-954.00	-5,390.61	1,947.65	5,731.37	0.00	0.00	0.00
BPZ: 2340ft FNL & 1590ft FEL of Sec 26										
14,578.25	90.00	179.92	5,686.00	-954.00	-5,468.86	1,947.76	5,805.27	0.00	0.00	0.00
EOT TO 180° AZ										
14,580.87	90.00	180.00	5,686.00	-954.00	-5,471.49	1,947.76	5,807.75	3.00	0.00	3.00
14,600.00	90.00	180.00	5,686.00	-954.00	-5,490.61	1,947.76	5,825.80	0.00	0.00	0.00
BHL: 2440ft FNL & 1590ft FEL of Sec 26										
14,678.08	90.00	180.00	5,686.00	-954.00	-5,568.69	1,947.77	5,899.50	0.00	0.00	0.00

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
0.00	0.00	Laramie Fox Hills				
207.00	207.00	Upper Pierre				
2,308.17	2,262.00	Pierre Shale				
3,562.74	3,190.00	Parkman Sandstone				
4,463.28	3,827.00	Sussex Sandstone				
5,006.15	4,211.00	Shannon Sandstone				
6,623.61	5,437.00	Sharon Springs				
6,716.73	5,504.00	Niobrara				
7,219.51	5,686.00	Niobrara C Landing				

Plan Annotations					
MD (usft)	TVD (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
0.00	0.00	0.00	0.00	SHL: 2151ft FNL & 1731ft FWL of Sec 23	
1,300.00	1,300.00	0.00	0.00	START NUDGE (3°/100ft)	
2,799.34	2,650.00	470.87	301.11	EOB TO 44.98° INC	
5,954.41	4,881.76	2,349.76	1,502.59	KOP (10°/100ft)	
7,219.51	5,686.00	1,889.87	1,937.20	LP: 300ft FNL & 1603ft FEL of Sec 23	
14,578.25	5,686.00	-5,468.86	1,947.76	BPZ: 2340ft FNL & 1590ft FEL of Sec 26	
14,580.87	5,686.00	-5,471.49	1,947.76	EOT TO 180° AZ	
14,678.08	5,686.00	-5,568.69	1,947.77	BHL: 2440ft FNL & 1590ft FEL of Sec 26	