

# Noble Energy

Garfield County, CO

Sec. 20-T7S-R94W

Rulison Federal 20-32C

Plan #1

Plan: Plan #1 Proposal

## Sperry Drilling Services

# Proposal Report

22 January, 2009

Well Coordinates: 589,013.27 N, 1,317,931.53 E (39° 25' 32.70" N, 107° 54' 53.19" W)

Ground Level: 7,906.00 ft

Local Coordinate Origin: Centered on Well Rulison Federal 20-32C

Viewing Datum: RKB 25' @ 7931.00ft (Original Well Elev)

TVDs to System: N

North Reference: True

Unit System: API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 42

**HALLIBURTON**

## Plan Report for Rulison Federal 20-32C - Plan #1 Proposal

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)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.00	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Kickoff at 225.00ft</b>										
300.00	2.25	87.41	299.98	0.07	1.47	1.47	3.00	3.00	0.00	87.41
400.00	5.25	87.41	399.76	0.36	8.00	8.01	3.00	3.00	0.00	0.00
500.00	8.25	87.41	499.05	0.89	19.74	19.76	3.00	3.00	0.00	0.00
600.00	11.25	87.41	597.60	1.66	36.66	36.70	3.00	3.00	0.00	0.00
610.00	11.55	87.41	607.40	1.75	38.63	38.67	3.00	3.00	0.00	0.00
<b>Build Rate = 3.00°/100ft</b>										
700.00	14.25	87.41	695.12	2.66	58.70	58.76	3.00	3.00	0.00	0.00
800.00	17.25	87.41	791.35	3.89	85.82	85.90	3.00	3.00	0.00	0.00
900.00	20.25	87.41	886.03	5.34	117.92	118.04	3.00	3.00	0.00	0.00
999.96	23.25	87.41	978.87	7.02	154.92	155.07	3.00	3.00	0.00	0.00
<b>End Build at 999.96ft</b>										
1,000.00	23.25	87.41	978.91	7.02	154.94	155.09	0.32	0.32	0.00	0.00
1,100.00	23.25	87.41	1,070.79	8.80	194.37	194.56	0.00	0.00	0.00	0.00
1,200.00	23.25	87.41	1,162.66	10.59	233.80	234.03	0.00	0.00	0.00	0.00
1,300.00	23.25	87.41	1,254.54	12.38	273.24	273.50	0.00	0.00	0.00	0.00
1,400.00	23.25	87.41	1,346.42	14.16	312.67	312.97	0.00	0.00	0.00	0.00
1,500.00	23.25	87.41	1,438.30	15.95	352.10	352.44	0.00	0.00	0.00	0.00
1,600.00	23.25	87.41	1,530.18	17.73	391.53	391.91	0.00	0.00	0.00	0.00
1,700.00	23.25	87.41	1,622.06	19.52	430.96	431.38	0.00	0.00	0.00	0.00
1,800.00	23.25	87.41	1,713.94	21.31	470.40	470.85	0.00	0.00	0.00	0.00
1,900.00	23.25	87.41	1,805.82	23.09	509.83	510.32	0.00	0.00	0.00	0.00
2,000.00	23.25	87.41	1,897.70	24.88	549.26	549.79	0.00	0.00	0.00	0.00
2,100.00	23.25	87.41	1,989.58	26.66	588.69	589.26	0.00	0.00	0.00	0.00
2,200.00	23.25	87.41	2,081.46	28.45	628.13	628.73	0.00	0.00	0.00	0.00
2,300.00	23.25	87.41	2,173.34	30.24	667.56	668.21	0.00	0.00	0.00	0.00
2,400.00	23.25	87.41	2,265.22	32.02	706.99	707.68	0.00	0.00	0.00	0.00
2,500.00	23.25	87.41	2,357.10	33.81	746.42	747.15	0.00	0.00	0.00	0.00
<b>8 5/8" Casing Pt.</b>										
2,600.00	23.25	87.41	2,448.98	35.59	785.85	786.62	0.00	0.00	0.00	0.00
2,700.00	23.25	87.41	2,540.86	37.38	825.29	826.09	0.00	0.00	0.00	0.00
2,800.00	23.25	87.41	2,632.74	39.17	864.72	865.56	0.00	0.00	0.00	0.00
2,900.00	23.25	87.41	2,724.62	40.95	904.15	905.03	0.00	0.00	0.00	0.00
3,000.00	23.25	87.41	2,816.50	42.74	943.58	944.50	0.00	0.00	0.00	0.00
3,100.00	23.25	87.41	2,908.38	44.52	983.02	983.97	0.00	0.00	0.00	0.00
3,200.00	23.25	87.41	3,000.26	46.31	1,022.45	1,023.44	0.00	0.00	0.00	0.00
<b>23.25 Inclination</b>										
3,300.00	23.25	87.41	3,092.14	48.09	1,061.88	1,062.91	0.00	0.00	0.00	0.00
3,400.00	23.25	87.41	3,184.02	49.88	1,101.31	1,102.38	0.00	0.00	0.00	0.00
3,500.00	23.25	87.41	3,275.90	51.67	1,140.74	1,141.85	0.00	0.00	0.00	0.00
3,600.00	23.25	87.41	3,367.78	53.45	1,180.18	1,181.32	0.00	0.00	0.00	0.00
3,700.00	23.25	87.41	3,459.66	55.24	1,219.61	1,220.79	0.00	0.00	0.00	0.00
3,800.00	23.25	87.41	3,551.54	57.02	1,259.04	1,260.26	0.00	0.00	0.00	0.00
3,900.00	23.25	87.41	3,643.42	58.81	1,298.47	1,299.73	0.00	0.00	0.00	0.00
4,000.00	23.25	87.41	3,735.30	60.60	1,337.91	1,339.20	0.00	0.00	0.00	0.00
4,100.00	23.25	87.41	3,827.18	62.38	1,377.34	1,378.67	0.00	0.00	0.00	0.00
4,200.00	23.25	87.41	3,919.06	64.17	1,416.77	1,418.15	0.00	0.00	0.00	0.00
4,300.00	23.25	87.41	4,010.94	65.95	1,456.20	1,457.62	0.00	0.00	0.00	0.00
4,400.00	23.25	87.41	4,102.82	67.74	1,495.63	1,497.09	0.00	0.00	0.00	0.00
4,500.00	23.25	87.41	4,194.70	69.53	1,535.07	1,536.56	0.00	0.00	0.00	0.00
4,600.00	23.25	87.41	4,286.58	71.31	1,574.50	1,576.03	0.00	0.00	0.00	0.00
4,700.00	23.25	87.41	4,378.46	73.10	1,613.93	1,615.50	0.00	0.00	0.00	0.00
4,800.00	23.25	87.41	4,470.34	74.88	1,653.36	1,654.97	0.00	0.00	0.00	0.00
4,900.00	23.25	87.41	4,562.22	76.67	1,692.80	1,694.44	0.00	0.00	0.00	0.00

## Plan Report for Rulison Federal 20-32C - Plan #1 Proposal

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)	Toolface Azimuth (°)
5,000.00	23.25	87.41	4,654.10	78.46	1,732.23	1,733.91	0.00	0.00	0.00	0.00
5,100.00	23.25	87.41	4,745.98	80.24	1,771.66	1,773.38	0.00	0.00	0.00	0.00
5,200.00	23.25	87.41	4,837.86	82.03	1,811.09	1,812.85	0.00	0.00	0.00	0.00
5,300.00	23.25	87.41	4,929.74	83.81	1,850.52	1,852.32	0.00	0.00	0.00	0.00
5,400.00	23.25	87.41	5,021.62	85.60	1,889.96	1,891.79	0.00	0.00	0.00	0.00
5,451.85	23.25	87.41	5,069.26	86.53	1,910.40	1,912.26	0.00	0.00	0.00	0.00
<b>Begin Drop at 5451.85ft</b>										
5,500.00	22.53	87.41	5,113.62	87.37	1,929.11	1,930.98	1.50	-1.50	0.00	180.00
5,600.00	21.03	87.41	5,206.48	89.05	1,966.17	1,968.08	1.50	-1.50	0.00	180.00
5,700.00	19.53	87.41	5,300.28	90.62	2,000.79	2,002.73	1.50	-1.50	0.00	180.00
5,800.00	18.03	87.41	5,394.95	92.08	2,032.94	2,034.92	1.50	-1.50	0.00	180.00
5,900.00	16.53	87.41	5,490.44	93.42	2,062.61	2,064.61	1.50	-1.50	0.00	180.00
6,000.00	15.03	87.41	5,586.67	94.65	2,089.77	2,091.80	1.50	-1.50	0.00	180.00
6,100.00	13.53	87.41	5,683.58	95.77	2,114.40	2,116.46	1.50	-1.50	0.00	180.00
6,200.00	12.03	87.41	5,781.10	96.77	2,136.50	2,138.57	1.50	-1.50	0.00	180.00
6,225.00	11.65	87.41	5,805.57	97.00	2,141.62	2,143.70	1.50	-1.50	0.00	180.00
<b>Drop Rate = 1.50°/100ft</b>										
6,300.00	10.53	87.41	5,879.17	97.65	2,156.03	2,158.12	1.50	-1.50	0.00	-180.00
6,400.00	9.03	87.41	5,977.71	98.42	2,172.99	2,175.10	1.50	-1.50	0.00	180.00
6,500.00	7.53	87.41	6,076.67	99.07	2,187.37	2,189.50	1.50	-1.50	0.00	180.00
6,600.00	6.03	87.41	6,175.97	99.60	2,199.16	2,201.30	1.50	-1.50	0.00	180.00
6,700.00	4.53	87.41	6,275.54	100.02	2,208.35	2,210.49	1.50	-1.50	0.00	180.00
6,800.00	3.03	87.41	6,375.32	100.32	2,214.93	2,217.08	1.50	-1.50	0.00	180.00
6,900.00	1.53	87.41	6,475.24	100.50	2,218.90	2,221.05	1.50	-1.50	0.00	180.00
7,000.00	0.03	87.41	6,575.23	100.56	2,220.25	2,222.40	1.50	-1.50	0.00	180.00
7,001.77	0.00	0.00	6,577.00	100.56	2,220.25	2,222.40	1.50	-1.50	-4,925.42	-180.00
<b>End Drop at 7001.77ft - Williams Fork - Rulison Federal 20-32C Plan #1 Driller's Tgt</b>										
7,100.00	0.08	243.44	6,675.23	100.53	2,220.19	2,222.34	0.08	0.08	-118.67	-116.56
7,200.00	0.16	243.44	6,775.23	100.44	2,220.00	2,222.16	0.08	0.08	0.00	0.00
7,300.00	0.24	243.44	6,875.22	100.28	2,219.69	2,221.84	0.08	0.08	0.00	0.00
7,400.00	0.32	243.44	6,975.22	100.06	2,219.26	2,221.40	0.08	0.08	0.00	0.00
7,500.00	0.40	243.44	7,075.22	99.79	2,218.70	2,220.83	0.08	0.08	0.00	0.00
7,600.00	0.48	243.44	7,175.22	99.44	2,218.02	2,220.13	0.08	0.08	0.00	0.00
7,700.00	0.56	243.44	7,275.21	99.04	2,217.21	2,219.31	0.08	0.08	0.00	0.00
7,800.00	0.64	243.44	7,375.21	98.57	2,216.27	2,218.36	0.08	0.08	0.00	0.00
7,819.79	0.65	243.44	7,395.00	98.47	2,216.07	2,218.16	0.08	0.08	0.00	0.00
<b>Top of Gas</b>										
7,900.00	0.72	243.44	7,475.20	98.04	2,215.21	2,217.28	0.08	0.08	0.00	0.00
8,000.00	0.80	243.44	7,575.19	97.45	2,214.03	2,216.08	0.08	0.08	0.00	0.00
8,100.00	0.88	243.44	7,675.18	96.80	2,212.72	2,214.75	0.08	0.08	0.00	0.00
8,200.00	0.96	243.44	7,775.17	96.08	2,211.28	2,213.29	0.08	0.08	0.00	0.00
8,300.00	1.04	243.44	7,875.15	95.30	2,209.73	2,211.70	0.08	0.08	0.00	0.00
8,400.00	1.12	243.44	7,975.14	94.46	2,208.04	2,209.99	0.08	0.08	0.00	0.00
8,500.00	1.20	243.44	8,075.12	93.55	2,206.23	2,208.15	0.08	0.08	0.00	0.00
8,600.00	1.28	243.44	8,175.09	92.59	2,204.30	2,206.19	0.08	0.08	0.00	0.00
8,700.00	1.36	243.44	8,275.07	91.56	2,202.24	2,204.09	0.08	0.08	0.00	0.00
8,800.00	1.44	243.44	8,375.04	90.47	2,200.06	2,201.87	0.08	0.08	0.00	0.00
8,900.00	1.52	243.44	8,475.00	89.31	2,197.75	2,199.53	0.08	0.08	0.00	0.00
9,000.00	1.60	243.44	8,574.97	88.10	2,195.32	2,197.05	0.08	0.08	0.00	0.00
9,029.28	1.62	243.44	8,604.24	87.73	2,194.58	2,196.31	0.08	0.08	0.00	0.00
9,100.00	1.56	243.44	8,674.93	86.85	2,192.82	2,194.52	0.08	-0.08	0.00	180.00
9,200.00	1.48	243.44	8,774.89	85.66	2,190.45	2,192.11	0.08	-0.08	0.00	180.00
9,300.00	1.39	243.44	8,874.86	84.54	2,188.21	2,189.83	0.08	-0.08	0.00	180.00
9,400.00	1.31	243.44	8,974.83	83.49	2,186.10	2,187.68	0.08	-0.08	0.00	180.00
9,500.00	1.22	243.44	9,074.81	82.50	2,184.12	2,185.67	0.08	-0.08	0.00	180.00
9,593.21	1.15	243.44	9,168.00	81.64	2,182.40	2,183.92	0.08	-0.08	0.00	-180.00
<b>Cameo</b>										
9,600.00	1.14	243.44	9,174.79	81.58	2,182.28	2,183.79	0.08	-0.08	0.00	180.00
9,700.00	1.06	243.44	9,274.77	80.72	2,180.56	2,182.05	0.08	-0.08	0.00	180.00

## Plan Report for Rulison Federal 20-32C - Plan #1 Proposal

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)	Toolface Azimuth (°)
9,800.00	0.97	243.44	9,374.75	79.93	2,178.98	2,180.44	0.08	-0.08	0.00	180.00
9,900.00	0.89	243.44	9,474.74	79.20	2,177.53	2,178.97	0.08	-0.08	0.00	180.00
10,000.00	0.80	243.44	9,574.73	78.54	2,176.21	2,177.63	0.08	-0.08	0.00	180.00
10,053.28	0.76	243.44	9,628.00	78.22	2,175.56	2,176.97	0.08	-0.08	0.00	180.00
<b>Rollins</b>										
10,100.00	0.72	243.44	9,674.72	77.95	2,175.02	2,176.42	0.08	-0.08	0.00	-180.00
10,200.00	0.63	243.44	9,774.71	77.42	2,173.97	2,175.34	0.08	-0.08	0.00	180.00
10,300.00	0.55	243.44	9,874.71	76.96	2,173.04	2,174.41	0.08	-0.08	0.00	180.00
10,392.30	0.47	243.44	9,967.00	76.59	2,172.31	2,173.66	0.08	-0.08	0.00	-180.00
<b>Cozzette</b>										
10,400.00	0.47	243.44	9,974.70	76.57	2,172.25	2,173.60	0.08	-0.08	0.00	180.00
10,500.00	0.38	243.44	10,074.70	76.23	2,171.59	2,172.93	0.08	-0.08	0.00	180.00
10,600.00	0.30	243.44	10,174.70	75.97	2,171.06	2,172.39	0.08	-0.08	0.00	180.00
10,671.30	0.24	243.44	10,246.00	75.82	2,170.77	2,172.09	0.08	-0.08	0.00	-180.00
<b>Corcoran</b>										
10,700.00	0.21	243.44	10,274.70	75.77	2,170.67	2,171.99	0.08	-0.08	0.00	180.00
10,800.00	0.13	243.44	10,374.70	75.64	2,170.40	2,171.72	0.08	-0.08	0.00	180.00
10,801.30	0.13	243.44	10,376.00	75.64	2,170.40	2,171.71	0.00	0.00	0.00	0.00
<b>Mancos</b>										
10,900.00	0.04	243.44	10,474.70	75.57	2,170.27	2,171.58	0.09	-0.09	0.00	180.00
10,951.30	0.00	0.00	10,526.00	75.56	2,170.25	2,171.56	0.08	-0.08	227.21	180.00
<b>Total Depth = 10951.30ft - Rulison Federal 20-32C Plan #1 BH Tgt</b>										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
225.00	225.00	0.00	0.00	Kickoff at 225.00ft
610.00	607.40	1.75	38.63	Build Rate = 3.00°/100ft
999.96	978.87	7.02	154.92	End Build at 999.96ft
3,200.00	3,000.26	46.31	1,022.45	23.25 Inclination
5,451.85	5,069.26	86.53	1,910.40	Begin Drop at 5451.85ft
6,225.00	5,805.57	97.00	2,141.62	Drop Rate = 1.50°/100ft
7,001.77	6,577.00	100.56	2,220.25	End Drop at 7001.77ft
10,951.30	10,526.00	75.56	2,170.25	Total Depth = 10951.30ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	+N/-S (ft)	+E/-W (ft)	Start TVD (ft)
Target	Rulison Federal 20-32C Plan #1 BH Tgt	88.01	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	10,951.30	Plan #1 Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,500.00	2,357.10	8 5/8" Casing Pt.	8-5/8	11

## Plan Report for Rulison Federal 20-32C - Plan #1 Proposal

**Formation Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,001.77	6,577.00	Williams Fork		0.00	
7,819.79	7,395.00	Top of Gas		0.00	
9,593.21	9,168.00	Cameo		0.00	
10,053.28	9,628.00	Rollins		0.00	
10,392.30	9,967.00	Cozzette		0.00	
10,671.30	10,246.00	Corcoran		0.00	
10,801.30	10,376.00	Mancos		0.00	

**Targets associated with this wellbore**

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Rulison Federal 20-32C Plan #1 Driller's Tgt	6,577.00	100.56	2,220.25	Rectangle
Rulison Federal 20-32C Plan #1 BH Tgt	10,526.00	75.56	2,170.25	Point
Rulison Federal 20-32C Plan #1 Zone Tgt	7,395.00	75.56	2,170.25	Rectangle

## North Reference Sheet for Sec. 20-T7S-R94W - Rulison Federal 20-32C - Plan #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 25' @ 7931.00ft (Original Well Elev). Northing and Easting are relative to Rulison Federal 20-32C

Coordinate System is US State Plane 1927 (Exact solution), Colorado Central 502 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -105.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:39° 45' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99995193

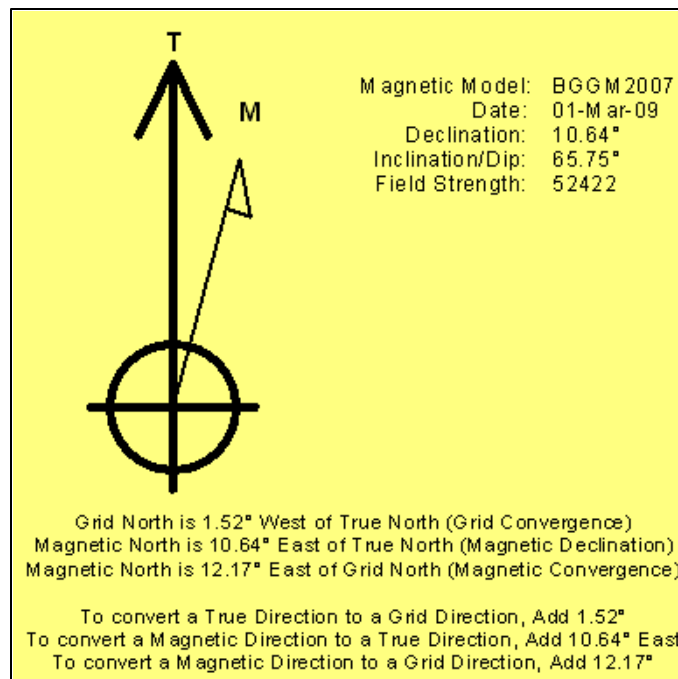
Grid Coordinates of Well: 589,013.27 ft N, 1,317,931.53 ft E

Geographical Coordinates of Well: 39° 25' 32.70" N, 107° 54' 53.19" W

Grid Convergence at Surface is: -1.52°

Based upon Minimum Curvature type calculations, at a Measured Depth of 10,951.30ft  
the Bottom Hole Displacement is 2,171.56ft in the Direction of 88.01° (True).

Magnetic Convergence at surface is: -12.17° ( 1 March 2009, , BGGM2007)



Project: Garfield County, CO  
Site: Sec. 20-T7S-R94W  
Well: Rulison Federal 20-32C  
Wellbore: Plan #1  
Plan: Plan #1 Proposal

Noble Energy

HALLIBURTON

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-/S	+E-/W	DLeg	TFace	VSec	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	225.00	0.00	0.00	225.00	0.00	0.00	0.00	0.00	0.00	
3	999.96	23.25	87.41	978.87	7.02	154.92	3.00	87.41	155.07	
4	5451.85	23.25	87.41	5069.26	86.53	1910.40	0.00	0.00	1912.26	Rulison Federal 20-32C Plan #1 Driller's Tgt
5	7001.77	0.00	0.00	6577.00	100.56	2220.25	1.50	180.00	2222.40	
6	9029.28	1.62	243.44	8604.24	87.73	2194.58	0.08	243.44	2196.31	
7	10951.30	0.00	0.00	10526.00	75.56	2170.25	0.08	180.00	2171.56	Rulison Federal 20-32C Plan #1 BH Tgt

WELL DETAILS: Rulison Federal 20-32C

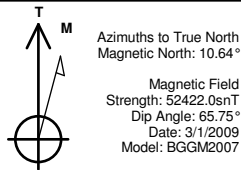
Northing	Easting	Ground Level:	Latitude	Longitude
589013.27	1317931.53	7906.00	39° 25' 32.703 N	107° 54' 53.194 W

FORMATION TOP DETAILS

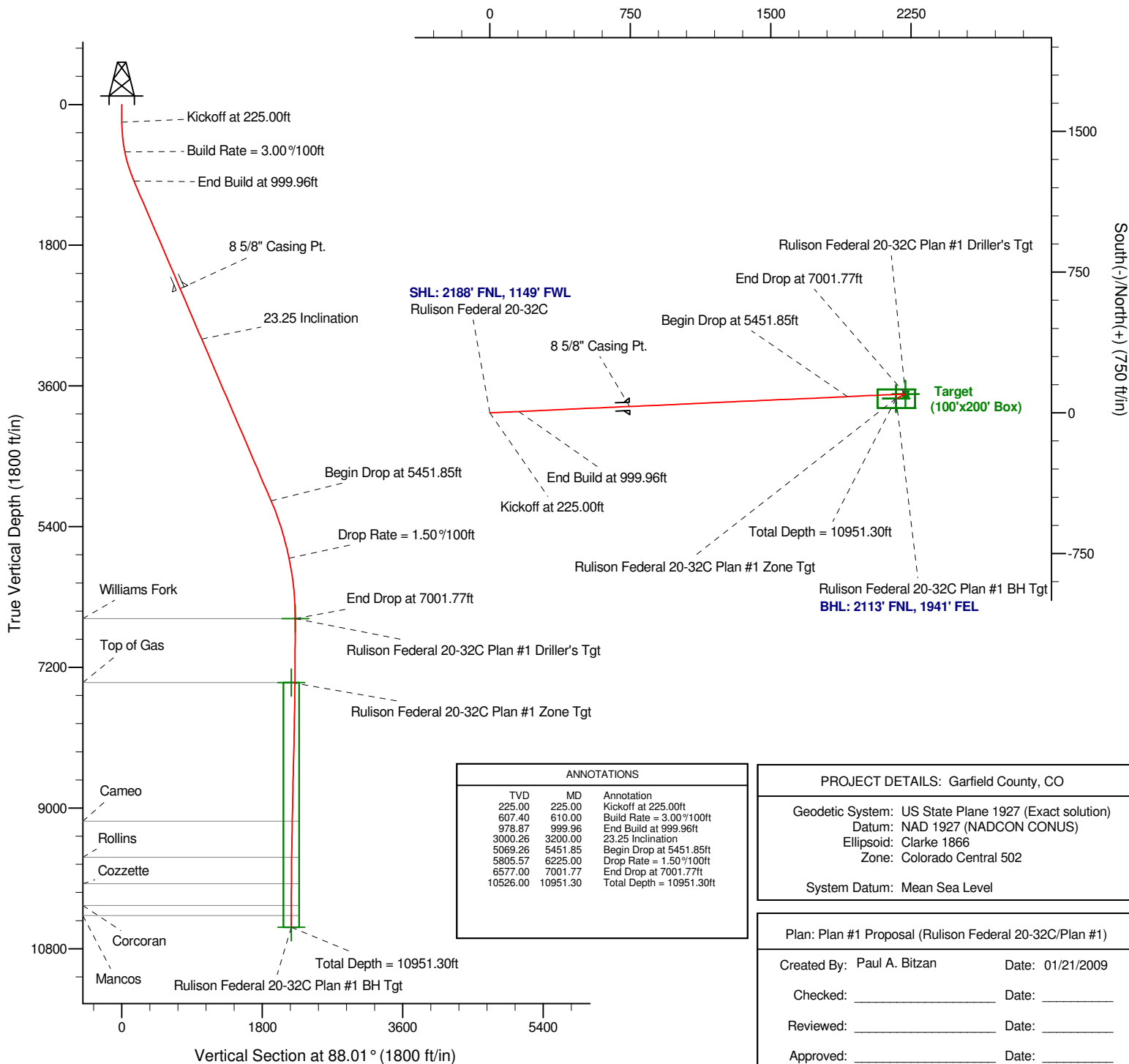
TVDPath	MDPath	Formation
6577.00	7001.77	Williams Fork
7395.00	7819.79	Top of Gas
9168.00	9593.21	Cameo
9628.00	10053.28	Rollins
9967.00	10392.30	Cozzette
10246.00	10671.30	Corcoran
10376.00	10801.30	Mancos

WELLBORE TARGET DETAILS

Name	TVD	+N-/S	+E-/W	Shape
Rulison Federal 20-32C Plan #1 Driller's Tgt	6577.00	100.56	2220.25	Rectangle (Sides: L25.00 W25.00)
Rulison Federal 20-32C Plan #1 Zone Tgt	7395.00	75.56	2170.25	Rectangle (Sides: L100.00 W200.00)
Rulison Federal 20-32C Plan #1 BH Tgt	10526.00	75.56	2170.25	Point



West(-)/East(+) (750 ft/in)



ANNOTATIONS

TVD	MD	Annotation
225.00	225.00	Kickoff at 225.00ft
607.40	610.00	Build Rate = 3.00%/100ft
978.87	999.96	End Build at 999.96ft
3000.26	3200.00	23.25 Inclination
5069.26	5451.85	Begin Drop at 5451.85ft
5805.57	6225.00	Drop Rate = 1.50%/100ft
6577.00	7001.77	End Drop at 7001.77ft
10526.00	10951.30	Total Depth = 10951.30ft

PROJECT DETAILS: Garfield County, CO

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: Colorado Central 502

System Datum: Mean Sea Level

Plan: Plan #1 Proposal (Rulison Federal 20-32C/Plan #1)

Created By: Paul A. Bitzan Date: 01/21/2009

Checked: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_