

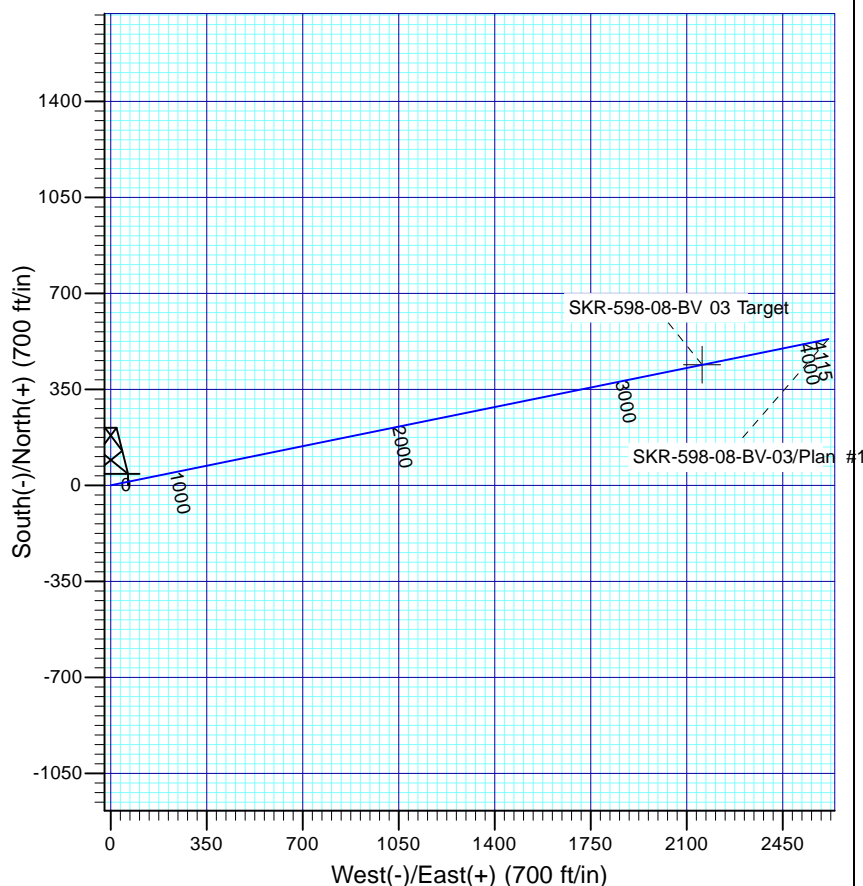
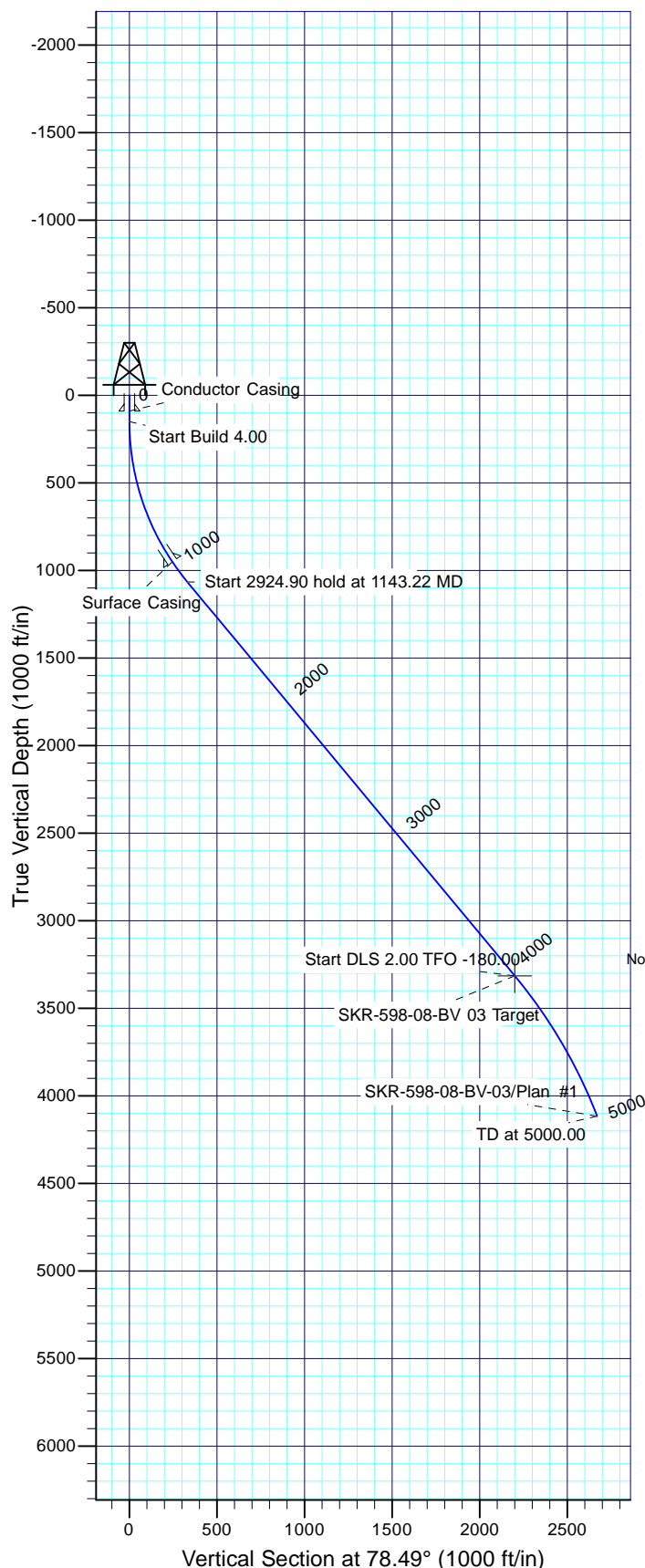
## Well Details: SKR-598-08-BV-03

TVD Reference: GL 6549.60' & RKB 12.5' @ 6562.106 Ground Level: 6549.60

+N/-S	+E/-W	North	East	Latitude	Longitude	Slot
0.00	0.00	1664487.76	2179229.38	39° 37' 18.017 N	108° 24' 51.007 W	

**T M** Azimuths to True North  
Magnetic North: 10.28°

Magnetic Field  
Strength: 52111.0nT  
Dip Angle: 65.73°  
Date: 5/2/2013  
Model: IGRF200510



### FORMATION TOP DETAILS

No formation data is available

### Plan: Plan #1

17:03, May 02 2013  
Created By: Janie Collins

PROJECT DETAILS: Garfield County, CO (NAD83)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	1143.22	39.73	78.49	1065.52	66.00	324.12	4.00	78.49	330.77	
4	4068.13	39.73	78.49	3315.00	439.00	2156.00	0.00	0.00	2200.24	SKR-598-08-BV 03 Target
5	5000.00	21.09	78.49	4115.13	532.70	2616.18	2.00	-180.00	2669.87	



# **Chevron**

**Garfield County, CO (NAD83)**

**Skinner Ridge Field**

**SKR-598-08-BV-03**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**02 May, 2013**



**Scientific Drilling**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well SKR-598-08-BV-03
<b>Company:</b>	Chevron	<b>TVD Reference:</b>	GL 6549.60' & RKB 12.5' @ 6562.10ft
<b>Project:</b>	Garfield County, CO (NAD83)	<b>MD Reference:</b>	GL 6549.60' & RKB 12.5' @ 6562.10ft
<b>Site:</b>	Skinner Ridge Field	<b>North Reference:</b>	True
<b>Well:</b>	SKR-598-08-BV-03	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Garfield County, CO (NAD83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

Site		Skinner Ridge Field			
Site Position:		Northing:	1,664,493.63 usft	Latitude:	39° 37' 18.075 N
From:	Lat/Long	Easting:	2,179,228.12 usft	Longitude:	108° 24' 51.026 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.84

Well	SKR-598-08-BV-03					
Well Position	+N/-S	-5.83 ft	Northing:	1,664,487.76 usft	Latitude:	39° 37' 18.017 N
	+E/-W	1.45 ft	Easting:	2,179,229.38 usft	Longitude:	108° 24' 51.007 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,549.60 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	5/2/2013	10.28	65.73	52,111

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	78.49

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,143.22	39.73	78.49	1,065.52	66.00	324.12	4.00	4.00	0.00	78.49	
4,068.13	39.73	78.49	3,315.00	439.00	2,156.00	0.00	0.00	0.00	0.00	SKR-598-08-BV 03 T&
5,000.00	21.09	78.49	4,115.13	532.70	2,616.18	2.00	-2.00	0.00	-180.00	



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well SKR-598-08-BV-03
<b>Company:</b>	Chevron	<b>TVD Reference:</b>	GL 6549.60' & RKB 12.5' @ 6562.10ft
<b>Project:</b>	Garfield County, CO (NAD83)	<b>MD Reference:</b>	GL 6549.60' & RKB 12.5' @ 6562.10ft
<b>Site:</b>	Skinner Ridge Field	<b>North Reference:</b>	True
<b>Well:</b>	SKR-598-08-BV-03	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Conductor Casing</b>									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2.00	78.49	199.99	0.17	0.86	0.87	4.00	4.00	0.00
300.00	6.00	78.49	299.73	1.57	7.69	7.85	4.00	4.00	0.00
400.00	10.00	78.49	398.73	4.34	21.32	21.76	4.00	4.00	0.00
500.00	14.00	78.49	496.53	8.49	41.69	42.55	4.00	4.00	0.00
600.00	18.00	78.49	592.63	13.99	68.70	70.11	4.00	4.00	0.00
700.00	22.00	78.49	686.58	20.81	102.20	104.30	4.00	4.00	0.00
800.00	26.00	78.49	777.92	28.92	142.05	144.97	4.00	4.00	0.00
900.00	30.00	78.49	866.20	38.29	188.05	191.90	4.00	4.00	0.00
1,000.00	34.00	78.49	950.98	48.86	239.96	244.89	4.00	4.00	0.00
<b>Surface Casing</b>									
1,100.00	38.00	78.49	1,031.87	60.59	297.55	303.65	4.00	4.00	0.00
1,143.22	39.73	78.49	1,065.52	66.00	324.12	330.77	4.00	4.00	0.00
1,200.00	39.73	78.49	1,109.19	73.24	359.68	367.06	0.00	0.00	0.00
1,300.00	39.73	78.49	1,186.10	85.99	422.31	430.98	0.00	0.00	0.00
1,400.00	39.73	78.49	1,263.01	98.74	484.94	494.89	0.00	0.00	0.00
1,500.00	39.73	78.49	1,339.91	111.50	547.57	558.81	0.00	0.00	0.00
1,600.00	39.73	78.49	1,416.82	124.25	610.20	622.72	0.00	0.00	0.00
1,700.00	39.73	78.49	1,493.73	137.00	672.83	686.64	0.00	0.00	0.00
1,800.00	39.73	78.49	1,570.64	149.75	735.46	750.56	0.00	0.00	0.00
1,900.00	39.73	78.49	1,647.54	162.51	798.09	814.47	0.00	0.00	0.00
2,000.00	39.73	78.49	1,724.45	175.26	860.72	878.39	0.00	0.00	0.00
2,100.00	39.73	78.49	1,801.36	188.01	923.36	942.30	0.00	0.00	0.00
2,200.00	39.73	78.49	1,878.27	200.76	985.99	1,006.22	0.00	0.00	0.00
2,300.00	39.73	78.49	1,955.17	213.52	1,048.62	1,070.13	0.00	0.00	0.00
2,400.00	39.73	78.49	2,032.08	226.27	1,111.25	1,134.05	0.00	0.00	0.00
2,500.00	39.73	78.49	2,108.99	239.02	1,173.88	1,197.96	0.00	0.00	0.00
2,600.00	39.73	78.49	2,185.90	251.77	1,236.51	1,261.88	0.00	0.00	0.00
2,700.00	39.73	78.49	2,262.81	264.53	1,299.14	1,325.80	0.00	0.00	0.00
2,800.00	39.73	78.49	2,339.71	277.28	1,361.77	1,389.71	0.00	0.00	0.00
2,900.00	39.73	78.49	2,416.62	290.03	1,424.40	1,453.63	0.00	0.00	0.00
3,000.00	39.73	78.49	2,493.53	302.79	1,487.03	1,517.54	0.00	0.00	0.00
3,100.00	39.73	78.49	2,570.44	315.54	1,549.66	1,581.46	0.00	0.00	0.00
3,200.00	39.73	78.49	2,647.34	328.29	1,612.29	1,645.37	0.00	0.00	0.00
3,300.00	39.73	78.49	2,724.25	341.04	1,674.92	1,709.29	0.00	0.00	0.00
3,400.00	39.73	78.49	2,801.16	353.80	1,737.55	1,773.20	0.00	0.00	0.00
3,500.00	39.73	78.49	2,878.07	366.55	1,800.18	1,837.12	0.00	0.00	0.00
3,600.00	39.73	78.49	2,954.98	379.30	1,862.81	1,901.04	0.00	0.00	0.00
3,700.00	39.73	78.49	3,031.88	392.05	1,925.44	1,964.95	0.00	0.00	0.00
3,800.00	39.73	78.49	3,108.79	404.81	1,988.07	2,028.87	0.00	0.00	0.00
3,900.00	39.73	78.49	3,185.70	417.56	2,050.70	2,092.78	0.00	0.00	0.00
4,000.00	39.73	78.49	3,262.61	430.31	2,113.33	2,156.70	0.00	0.00	0.00
4,068.13	39.73	78.49	3,315.00	439.00	2,156.00	2,200.24	0.00	0.00	0.00
<b>SKR-598-08-BV 03 Target</b>									
4,100.00	39.09	78.49	3,339.63	443.04	2,175.83	2,220.48	2.00	-2.00	0.00
4,200.00	37.09	78.49	3,418.33	455.35	2,236.28	2,282.17	2.00	-2.00	0.00
4,300.00	35.09	78.49	3,499.13	467.10	2,294.00	2,341.07	2.00	-2.00	0.00
4,400.00	33.09	78.49	3,581.94	478.28	2,348.92	2,397.12	2.00	-2.00	0.00
4,500.00	31.09	78.49	3,666.66	488.88	2,400.98	2,450.24	2.00	-2.00	0.00



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<b>Site:</b>	Skinner Ridge Field	<b>North Reference:</b>	True
<b>Well:</b>	SKR-598-08-BV-03	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

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)
4,600.00	29.09	78.49	3,753.17	498.89	2,450.10	2,500.38	2.00	-2.00	0.00
4,700.00	27.09	78.49	3,841.39	508.28	2,496.24	2,547.46	2.00	-2.00	0.00
4,800.00	25.09	78.49	3,931.19	517.06	2,539.34	2,591.44	2.00	-2.00	0.00
4,900.00	23.09	78.49	4,022.48	525.20	2,579.33	2,632.26	2.00	-2.00	0.00
5,000.00	21.09	78.49	4,115.13	532.70	2,616.18	2,669.87	2.00	-2.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SKR-598-08-BV 03 Targ	0.00	0.00	3,315.00	439.00	2,156.00	1,664,857.38	2,181,398.35	39° 37' 22.355 N	108° 24' 23.454 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
90.00	90.00	Conductor Casing	16.000	16.000	
1,000.00	950.98	Surface Casing	8.625	12.250	