



Bill Barrett Corp.

Garfield County, Colorado

Kaufman 6 Pad

Kaufman 21A-24-692

Wellbore #1

Plan: plan1 02jun10 smw

Standard Planning Report

03 June, 2010

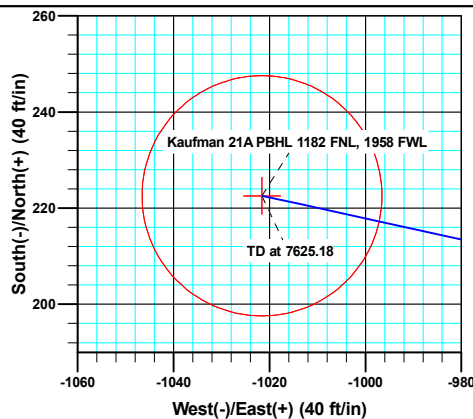
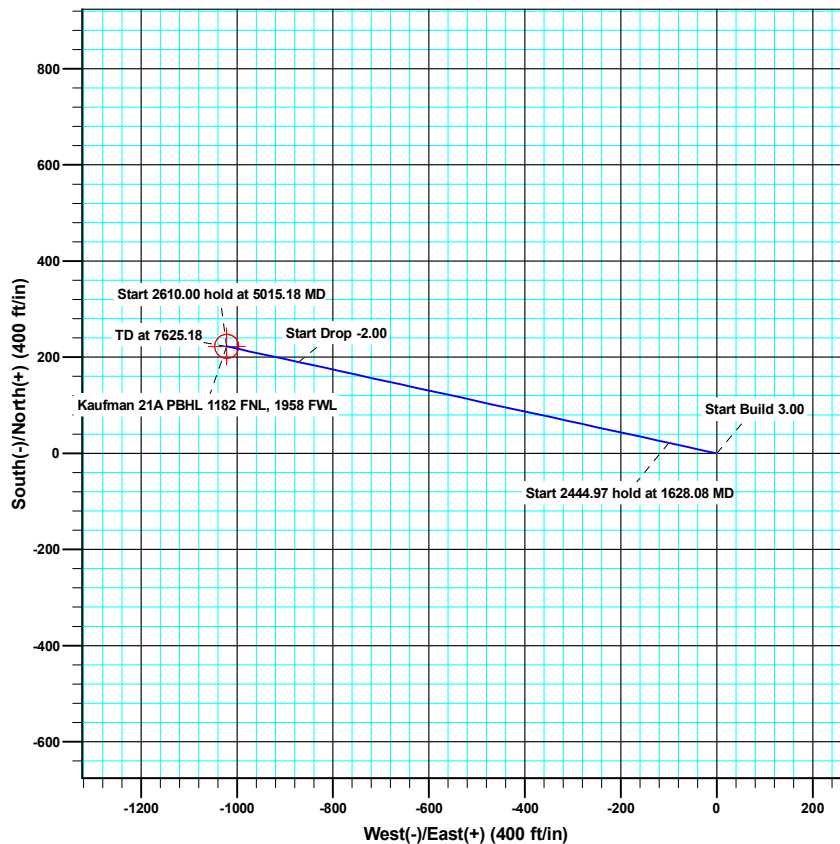
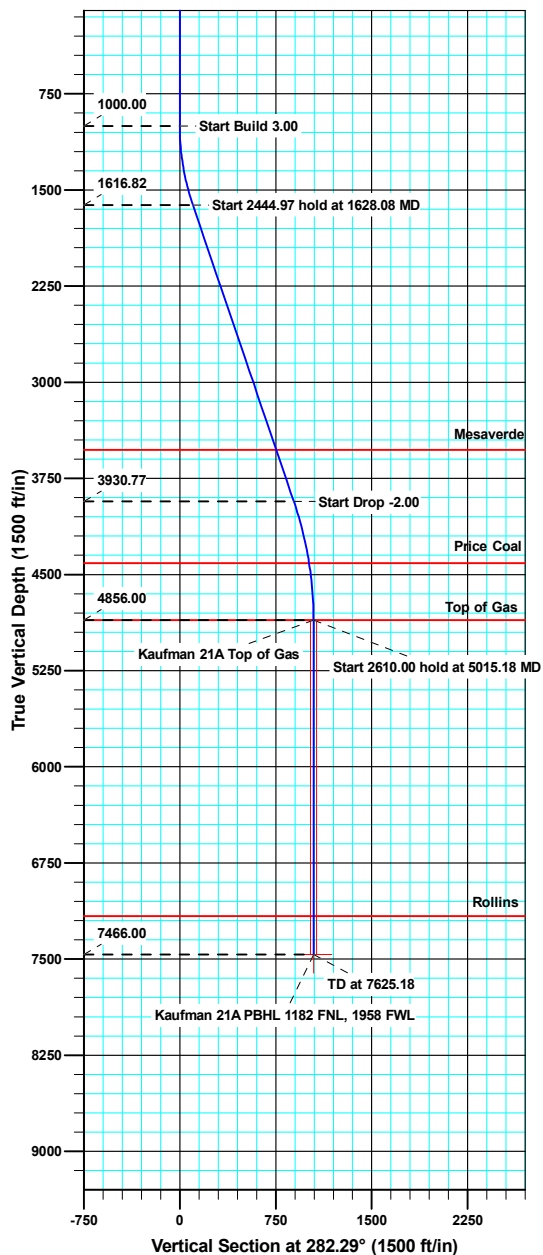




WELL DETAILS: Kaufman 21A-24-692

Ground Level: 5763.00

North American Datum 1983		US State Plane 1983		Colorado Central Zone	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1619793.94	2403552.19	39.516058	-107.614354



Azimuths to True North
Magnetic North: 10.29°

Magnetic Field
Strength: 52446.1snT
Dip Angle: 65.87°
Date: 06/02/2010
Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
1000.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
1616.82	1628.08	18.84	282.29	21.79	-100.00	102.35	102.35	Start 2444.97 hold at 1628.08 MD
3930.77	4073.05	18.84	282.29	189.90	-871.55	891.99	891.99	Start Drop -2.00
4856.00	5015.18	0.00	0.00	222.58	-1021.55	1045.52	1045.52	Start 2610.00 hold at 5015.18 MD
7466.00	7625.18	0.00	0.00	222.58	-1021.55	1045.52	1045.52	TD at 7625.18



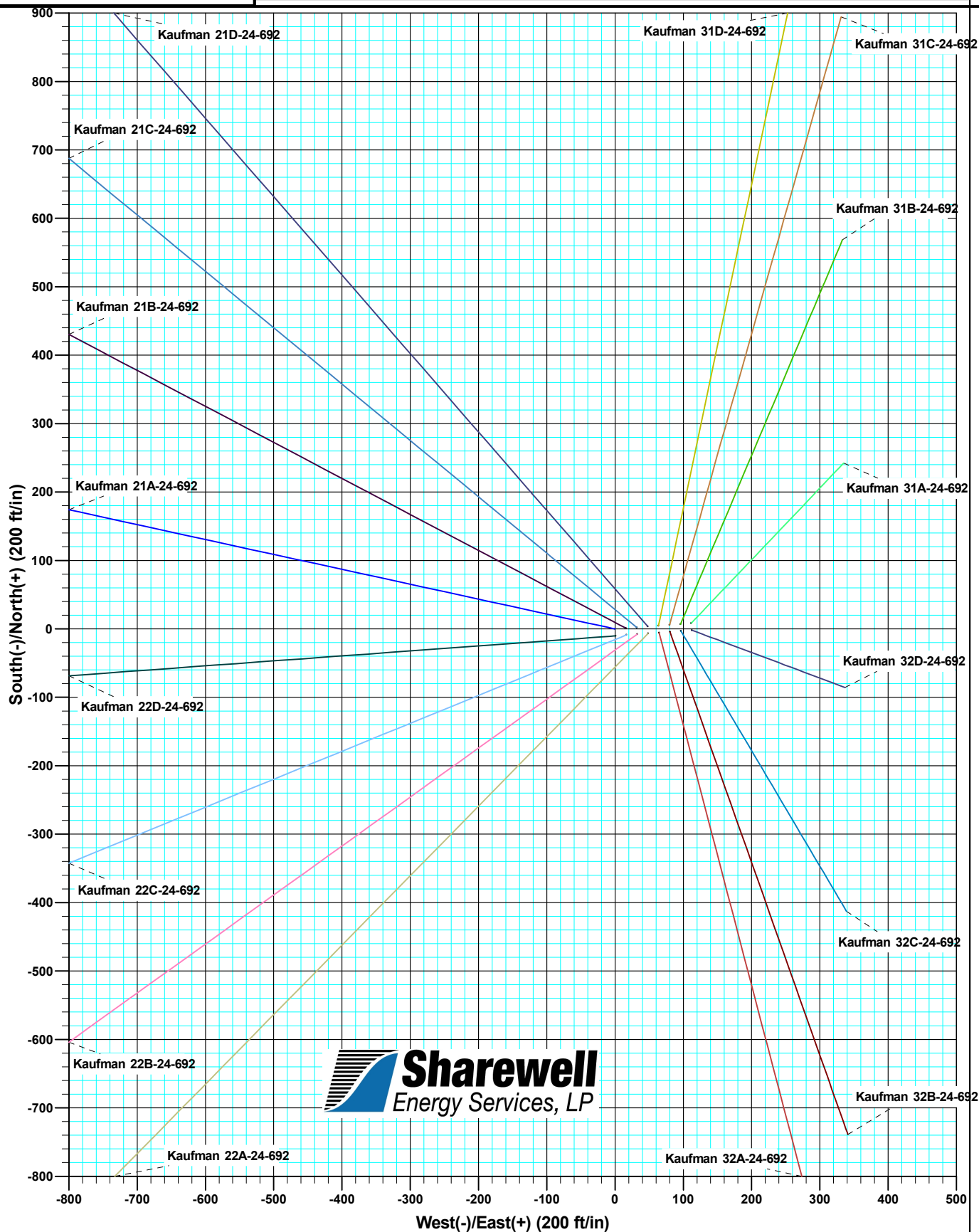


Bill Barrett Corporation

WELL DETAILS: Kaufman 6 Pad

Ground Level: 5763.00

North American Datum 1983	US State Plane 1983	Colorado Central Zone			
+N/-S	+E/-W	North	Easting	Latitude	Longitude
0.00	0.00	1619793.94	2403552.19	39° 30' 57.81 N	107° 36' 51.67 W



Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 21A-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 21A-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Project	Garfield County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		Kaufman 6 Pad			
Site Position:		Northing:	1,619,793.95 usft	Latitude:	39.516058
From:	Lat/Long	Easting:	2,403,552.20 usft	Longitude:	-107.614354
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 ft	Grid Convergence:	-1.33

Well	Kaufman 21A-24-692					
Well Position	+N/-S	-0.01 ft	Northing:	1,619,793.94 usft	Latitude:	39.516058
	+E/-W	0.00 ft	Easting:	2,403,552.20 usft	Longitude:	-107.614354
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,763.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	06/02/10	10.29	65.87	52,446

Design	plan1 02jun10 smw			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	282.29

Plan Sections										
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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,628.08	18.84	282.29	1,616.82	21.79	-100.00	3.00	3.00	0.00	282.29	
4,073.05	18.84	282.29	3,930.77	189.90	-871.55	0.00	0.00	0.00	0.00	
5,015.18	0.00	0.00	4,856.00	222.58	-1,021.55	2.00	-2.00	0.00	180.00	Kaufman 21A Top of c
7,625.18	0.00	0.00	7,466.00	222.58	-1,021.55	0.00	0.00	0.00	0.00	Kaufman 21A PBHL 1

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 21A-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 21A-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

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)
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 3.00									
1,100.00	3.00	282.29	1,099.95	0.56	-2.56	2.62	3.00	3.00	0.00
1,200.00	6.00	282.29	1,199.63	2.23	-10.22	10.46	3.00	3.00	0.00
1,300.00	9.00	282.29	1,298.77	5.01	-22.97	23.51	3.00	3.00	0.00
1,400.00	12.00	282.29	1,397.08	8.89	-40.78	41.74	3.00	3.00	0.00
1,500.00	15.00	282.29	1,494.31	13.85	-63.59	65.08	3.00	3.00	0.00
1,600.00	18.00	282.29	1,590.18	19.90	-91.33	93.48	3.00	3.00	0.00
1,628.08	18.84	282.29	1,616.82	21.79	-100.00	102.35	3.00	3.00	0.00
Start 2444.97 hold at 1628.08 MD									
1,700.00	18.84	282.29	1,684.89	26.73	-122.70	125.58	0.00	0.00	0.00
1,800.00	18.84	282.29	1,779.53	33.61	-154.25	157.87	0.00	0.00	0.00
1,900.00	18.84	282.29	1,874.17	40.49	-185.81	190.17	0.00	0.00	0.00
2,000.00	18.84	282.29	1,968.81	47.36	-217.37	222.47	0.00	0.00	0.00
2,100.00	18.84	282.29	2,063.45	54.24	-248.92	254.76	0.00	0.00	0.00
2,200.00	18.84	282.29	2,158.09	61.11	-280.48	287.06	0.00	0.00	0.00
2,300.00	18.84	282.29	2,252.73	67.99	-312.04	319.36	0.00	0.00	0.00
2,400.00	18.84	282.29	2,347.37	74.86	-343.59	351.65	0.00	0.00	0.00
2,500.00	18.84	282.29	2,442.01	81.74	-375.15	383.95	0.00	0.00	0.00
2,600.00	18.84	282.29	2,536.65	88.62	-406.70	416.25	0.00	0.00	0.00
2,700.00	18.84	282.29	2,631.30	95.49	-438.26	448.54	0.00	0.00	0.00
2,800.00	18.84	282.29	2,725.94	102.37	-469.82	480.84	0.00	0.00	0.00
2,900.00	18.84	282.29	2,820.58	109.24	-501.37	513.14	0.00	0.00	0.00
3,000.00	18.84	282.29	2,915.22	116.12	-532.93	545.43	0.00	0.00	0.00
3,100.00	18.84	282.29	3,009.86	122.99	-564.49	577.73	0.00	0.00	0.00
3,200.00	18.84	282.29	3,104.50	129.87	-596.04	610.03	0.00	0.00	0.00
3,300.00	18.84	282.29	3,199.14	136.74	-627.60	642.32	0.00	0.00	0.00
3,400.00	18.84	282.29	3,293.78	143.62	-659.15	674.62	0.00	0.00	0.00
3,500.00	18.84	282.29	3,388.42	150.50	-690.71	706.92	0.00	0.00	0.00
3,600.00	18.84	282.29	3,483.07	157.37	-722.27	739.21	0.00	0.00	0.00
3,645.37	18.84	282.29	3,526.00	160.49	-736.58	753.87	0.00	0.00	0.00
Mesaverde									
3,700.00	18.84	282.29	3,577.71	164.25	-753.82	771.51	0.00	0.00	0.00
3,800.00	18.84	282.29	3,672.35	171.12	-785.38	803.81	0.00	0.00	0.00
3,900.00	18.84	282.29	3,766.99	178.00	-816.94	836.10	0.00	0.00	0.00
4,000.00	18.84	282.29	3,861.63	184.87	-848.49	868.40	0.00	0.00	0.00
4,073.05	18.84	282.29	3,930.77	189.90	-871.55	891.99	0.00	0.00	0.00
Start Drop -2.00									
4,100.00	18.30	282.29	3,956.31	191.72	-879.93	900.58	2.00	-2.00	0.00
4,200.00	16.30	282.29	4,051.78	198.06	-908.99	930.32	2.00	-2.00	0.00
4,300.00	14.30	282.29	4,148.23	203.68	-934.78	956.71	2.00	-2.00	0.00
4,400.00	12.30	282.29	4,245.54	208.57	-957.26	979.72	2.00	-2.00	0.00
4,500.00	10.30	282.29	4,343.60	212.75	-976.41	999.32	2.00	-2.00	0.00
4,568.37	8.94	282.29	4,411.00	215.18	-987.57	1,010.74	2.00	-2.00	0.00
Price Coal									
4,600.00	8.30	282.29	4,442.28	216.19	-992.21	1,015.49	2.00	-2.00	0.00
4,700.00	6.30	282.29	4,541.46	218.89	-1,004.63	1,028.20	2.00	-2.00	0.00
4,800.00	4.30	282.29	4,641.03	220.86	-1,013.66	1,037.44	2.00	-2.00	0.00
4,900.00	2.30	282.29	4,740.86	222.09	-1,019.29	1,043.20	2.00	-2.00	0.00
5,000.00	0.30	282.29	4,840.82	222.57	-1,021.51	1,045.48	2.00	-2.00	0.00
5,015.18	0.00	0.00	4,856.00	222.58	-1,021.55	1,045.52	2.00	-2.00	0.00
Start 2610.00 hold at 5015.18 MD - Top of Gas - Kaufman 21A Top of Gas									
5,100.00	0.00	0.00	4,940.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00

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Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 21A-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

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)
5,200.00	0.00	0.00	5,040.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,300.00	0.00	0.00	5,140.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,400.00	0.00	0.00	5,240.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,500.00	0.00	0.00	5,340.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,600.00	0.00	0.00	5,440.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,700.00	0.00	0.00	5,540.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,800.00	0.00	0.00	5,640.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
5,900.00	0.00	0.00	5,740.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,000.00	0.00	0.00	5,840.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,100.00	0.00	0.00	5,940.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,200.00	0.00	0.00	6,040.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,300.00	0.00	0.00	6,140.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,400.00	0.00	0.00	6,240.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,500.00	0.00	0.00	6,340.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,600.00	0.00	0.00	6,440.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,700.00	0.00	0.00	6,540.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,800.00	0.00	0.00	6,640.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
6,900.00	0.00	0.00	6,740.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,000.00	0.00	0.00	6,840.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,100.00	0.00	0.00	6,940.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,200.00	0.00	0.00	7,040.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,300.00	0.00	0.00	7,140.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,325.18	0.00	0.00	7,166.00	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
Rollins									
7,400.00	0.00	0.00	7,240.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,500.00	0.00	0.00	7,340.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,600.00	0.00	0.00	7,440.82	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
7,625.18	0.00	0.00	7,466.00	222.58	-1,021.55	1,045.52	0.00	0.00	0.00
TD at 7625.18 - Kaufman 21A PBHL 1182 FNL, 1958 FWL									

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									
Kaufman 21A Top of Ga	0.00	0.00	4,856.00	222.58	-1,021.55	1,620,040.23	2,402,536.11	39.516669	-107.617975
- plan hits target center									
- Circle (radius 25.00)									
Kaufman 21A PBHL 118	0.00	0.00	7,466.00	222.58	-1,021.55	1,620,040.23	2,402,536.11	39.516669	-107.617975
- plan hits target center									
- Point									

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,645.37	3,526.00	Mesaverde		0.00		
4,568.37	4,411.00	Price Coal		0.00		
5,015.18	4,856.00	Top of Gas		0.00		
7,325.18	7,166.00	Rollins		0.00		

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 21A-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 21A-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,000.00	1,000.00	0.00	0.00	Start Build 3.00
1,628.08	1,616.82	21.79	-100.00	Start 2444.97 hold at 1628.08 MD
4,073.05	3,930.77	189.90	-871.55	Start Drop -2.00
5,015.18	4,856.00	222.58	-1,021.55	Start 2610.00 hold at 5015.18 MD
7,625.18	7,466.00	222.58	-1,021.55	TD at 7625.18