



Bill Barrett Corp.

Garfield County, Colorado

Kaufman 6 Pad

Kaufman 32A-24-692

Wellbore #1

Plan: plan1 02jun10 smw

Standard Planning Report

03 June, 2010

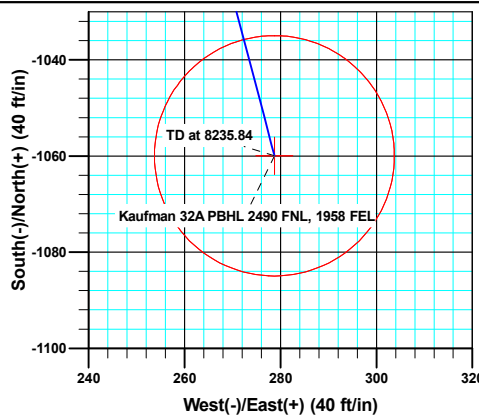
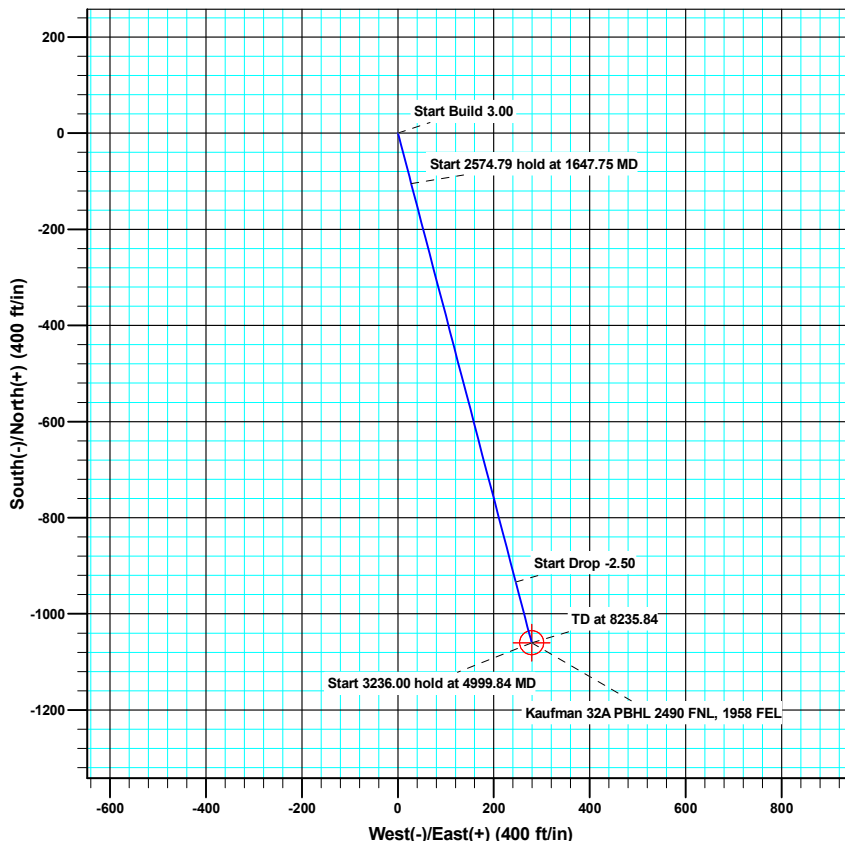
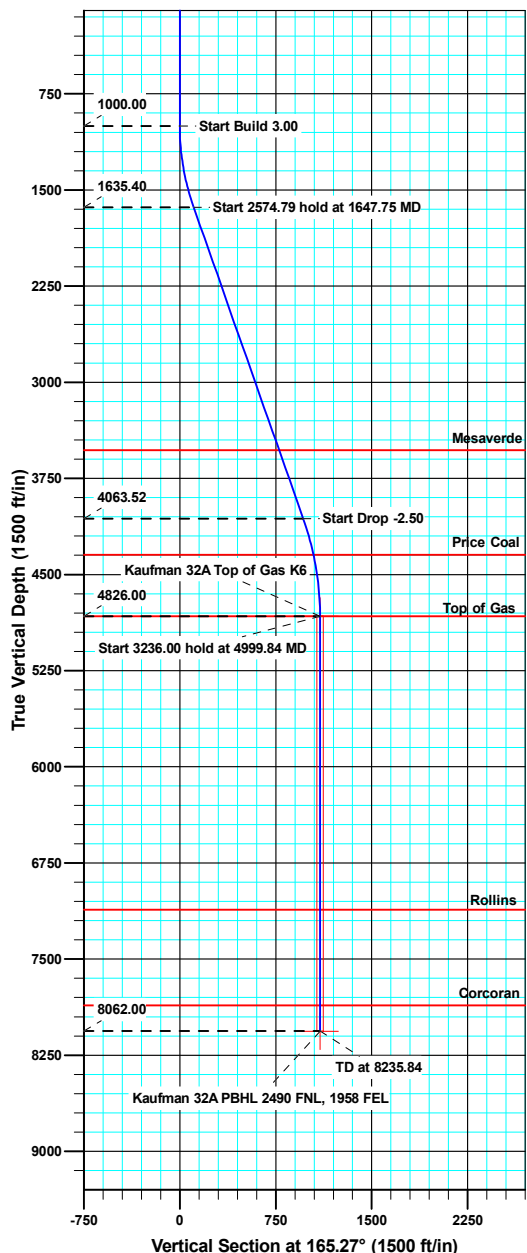




WELL DETAILS: Kaufman 32A-24-692

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 1619786.98 2403616.66 39° 30' 57.75 N 107° 36' 50.85 W



Azimuths to True North
 Magnetic North: 10.29°

Magnetic Field
 Strength: 52446.2snT
 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
1635.40	1647.75	19.43	165.27	-105.22	27.67	108.80	108.80	Start 2574.79 hold at 1647.75 MD
4063.52	4222.54	19.43	165.27	-933.67	245.54	965.42	965.42	Start Drop -2.50
4826.00	4999.84	0.00	0.00	-1059.94	278.75	1095.98	1095.98	Start 3236.00 hold at 4999.84 MD
8062.00	8235.84	0.00	0.00	-1059.94	278.75	1095.98	1095.98	TD at 8235.84



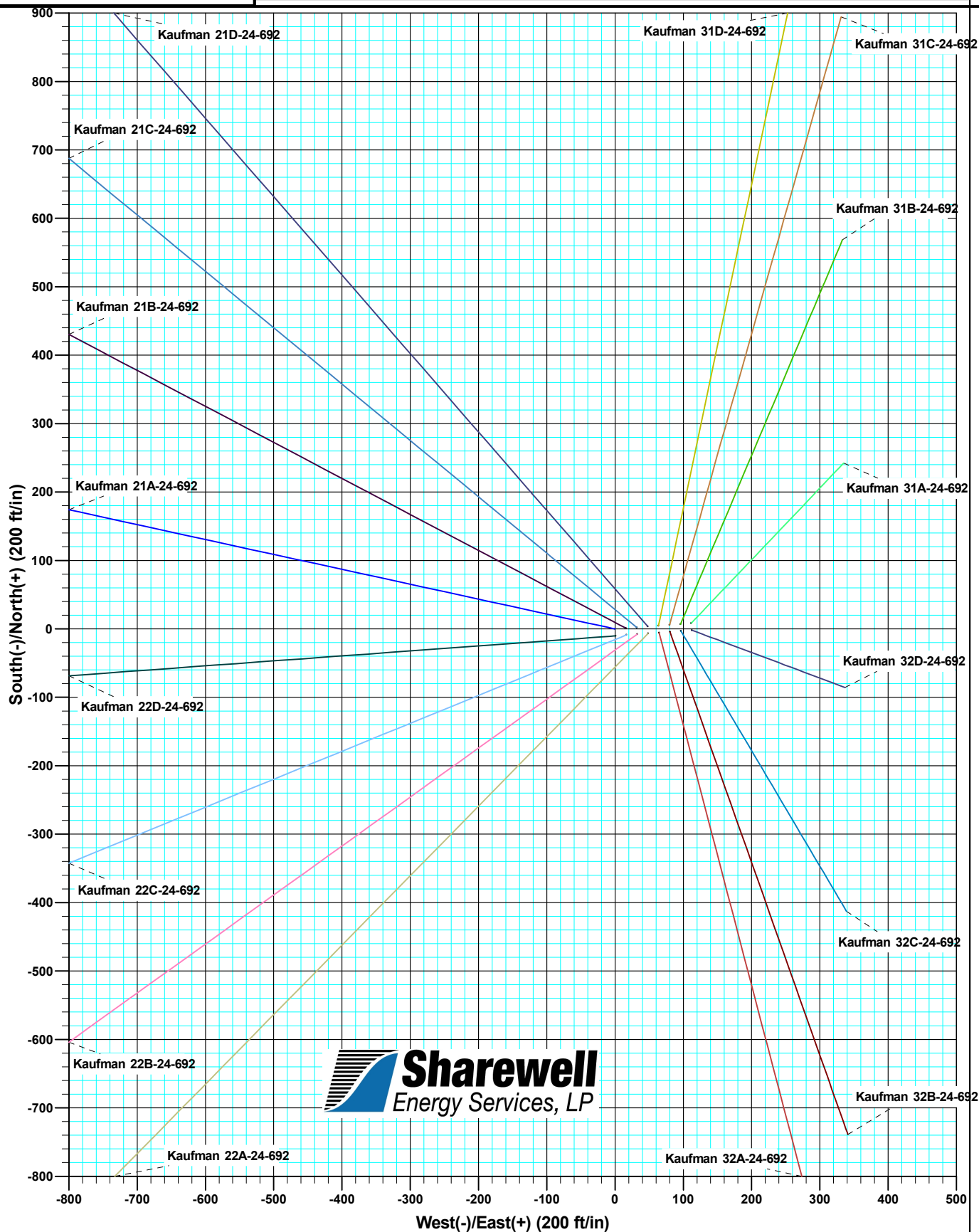


Bill Barrett Corporation

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 32A-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 32A-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° 30' 57.81 N
From:	Lat/Long	Easting:	2,403,552.20 usft	Longitude:	107° 36' 51.67 W
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 ft	Grid Convergence:	-1.33

Well	Kaufman 32A-24-692					
Well Position	+N/-S	-5.47 ft	Northing:	1,619,786.97 usft	Latitude:	39° 30' 57.75 N
	+E/-W	64.61 ft	Easting:	2,403,616.66 usft	Longitude:	107° 36' 50.85 W
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	165.27

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	
1,647.75	19.43	165.27	1,635.40	-105.22	27.67	3.00	3.00	0.00	165.27	
4,222.54	19.43	165.27	4,063.52	-933.67	245.54	0.00	0.00	0.00	0.00	
4,999.84	0.00	0.00	4,826.00	-1,059.94	278.75	2.50	-2.50	0.00	180.00	Kaufman 32A Top of I
8,235.84	0.00	0.00	8,062.00	-1,059.94	278.75	0.00	0.00	0.00	0.00	Kaufman 32A PBHL 2

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32A-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 32A-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	165.27	1,099.95	-2.53	0.67	2.62	3.00	3.00	0.00
1,200.00	6.00	165.27	1,199.63	-10.12	2.66	10.46	3.00	3.00	0.00
1,300.00	9.00	165.27	1,298.77	-22.74	5.98	23.51	3.00	3.00	0.00
1,400.00	12.00	165.27	1,397.08	-40.36	10.61	41.74	3.00	3.00	0.00
1,500.00	15.00	165.27	1,494.31	-62.94	16.55	65.08	3.00	3.00	0.00
1,600.00	18.00	165.27	1,590.18	-90.40	23.77	93.48	3.00	3.00	0.00
1,647.75	19.43	165.27	1,635.40	-105.22	27.67	108.80	3.00	3.00	0.00
Start 2574.79 hold at 1647.75 MD									
1,700.00	19.43	165.27	1,684.68	-122.03	32.09	126.18	0.00	0.00	0.00
1,800.00	19.43	165.27	1,778.98	-154.21	40.55	159.45	0.00	0.00	0.00
1,900.00	19.43	165.27	1,873.28	-186.38	49.02	192.72	0.00	0.00	0.00
2,000.00	19.43	165.27	1,967.59	-218.56	57.48	225.99	0.00	0.00	0.00
2,100.00	19.43	165.27	2,061.89	-250.73	65.94	259.26	0.00	0.00	0.00
2,200.00	19.43	165.27	2,156.19	-282.91	74.40	292.53	0.00	0.00	0.00
2,300.00	19.43	165.27	2,250.50	-315.08	82.86	325.80	0.00	0.00	0.00
2,400.00	19.43	165.27	2,344.80	-347.26	91.32	359.07	0.00	0.00	0.00
2,500.00	19.43	165.27	2,439.10	-379.44	99.79	392.34	0.00	0.00	0.00
2,600.00	19.43	165.27	2,533.41	-411.61	108.25	425.61	0.00	0.00	0.00
2,700.00	19.43	165.27	2,627.71	-443.79	116.71	458.88	0.00	0.00	0.00
2,800.00	19.43	165.27	2,722.01	-475.96	125.17	492.15	0.00	0.00	0.00
2,900.00	19.43	165.27	2,816.32	-508.14	133.63	525.42	0.00	0.00	0.00
3,000.00	19.43	165.27	2,910.62	-540.31	142.09	558.69	0.00	0.00	0.00
3,100.00	19.43	165.27	3,004.92	-572.49	150.56	591.95	0.00	0.00	0.00
3,200.00	19.43	165.27	3,099.23	-604.66	159.02	625.22	0.00	0.00	0.00
3,300.00	19.43	165.27	3,193.53	-636.84	167.48	658.49	0.00	0.00	0.00
3,400.00	19.43	165.27	3,287.83	-669.02	175.94	691.76	0.00	0.00	0.00
3,500.00	19.43	165.27	3,382.14	-701.19	184.40	725.03	0.00	0.00	0.00
3,600.00	19.43	165.27	3,476.44	-733.37	192.86	758.30	0.00	0.00	0.00
3,657.85	19.43	165.27	3,531.00	-751.98	197.76	777.55	0.00	0.00	0.00
Mesaverde									
3,700.00	19.43	165.27	3,570.74	-765.54	201.33	791.57	0.00	0.00	0.00
3,800.00	19.43	165.27	3,665.05	-797.72	209.79	824.84	0.00	0.00	0.00
3,900.00	19.43	165.27	3,759.35	-829.89	218.25	858.11	0.00	0.00	0.00
4,000.00	19.43	165.27	3,853.65	-862.07	226.71	891.38	0.00	0.00	0.00
4,100.00	19.43	165.27	3,947.96	-894.24	235.17	924.65	0.00	0.00	0.00
4,200.00	19.43	165.27	4,042.26	-926.42	243.63	957.92	0.00	0.00	0.00
4,222.54	19.43	165.27	4,063.52	-933.67	245.54	965.42	0.00	0.00	0.00
Start Drop -2.50									
4,300.00	17.50	165.27	4,136.99	-957.40	251.78	989.95	2.50	-2.50	0.00
4,400.00	15.00	165.27	4,232.99	-984.45	258.90	1,017.92	2.50	-2.50	0.00
4,500.00	12.50	165.27	4,330.11	-1,007.43	264.94	1,041.68	2.50	-2.50	0.00
4,516.26	12.09	165.27	4,346.00	-1,010.78	265.82	1,045.15	2.50	-2.50	0.00
Price Coal									
4,600.00	10.00	165.27	4,428.19	-1,026.29	269.90	1,061.19	2.50	-2.50	0.00
4,700.00	7.50	165.27	4,527.02	-1,040.99	273.77	1,076.39	2.50	-2.50	0.00
4,800.00	5.00	165.27	4,626.41	-1,051.51	276.53	1,087.27	2.50	-2.50	0.00
4,900.00	2.50	165.27	4,726.19	-1,057.83	278.19	1,093.80	2.50	-2.50	0.00
4,999.84	0.00	0.00	4,826.00	-1,059.94	278.75	1,095.98	2.50	-2.50	0.00
Start 3236.00 hold at 4999.84 MD - Top of Gas - Kaufman 32A Top of Gas K6									
5,000.00	0.00	0.00	4,826.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,100.00	0.00	0.00	4,926.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00

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Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32A-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	5,026.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,300.00	0.00	0.00	5,126.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,400.00	0.00	0.00	5,226.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,500.00	0.00	0.00	5,326.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,600.00	0.00	0.00	5,426.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,700.00	0.00	0.00	5,526.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,800.00	0.00	0.00	5,626.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
5,900.00	0.00	0.00	5,726.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,000.00	0.00	0.00	5,826.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,100.00	0.00	0.00	5,926.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,200.00	0.00	0.00	6,026.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,300.00	0.00	0.00	6,126.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,400.00	0.00	0.00	6,226.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,500.00	0.00	0.00	6,326.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,600.00	0.00	0.00	6,426.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,700.00	0.00	0.00	6,526.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,800.00	0.00	0.00	6,626.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
6,900.00	0.00	0.00	6,726.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,000.00	0.00	0.00	6,826.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,100.00	0.00	0.00	6,926.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,200.00	0.00	0.00	7,026.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,289.84	0.00	0.00	7,116.00	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
Rollins									
7,300.00	0.00	0.00	7,126.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,400.00	0.00	0.00	7,226.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,500.00	0.00	0.00	7,326.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,600.00	0.00	0.00	7,426.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,700.00	0.00	0.00	7,526.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,800.00	0.00	0.00	7,626.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
7,900.00	0.00	0.00	7,726.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
8,000.00	0.00	0.00	7,826.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
8,034.84	0.00	0.00	7,861.00	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
Corcoran									
8,100.00	0.00	0.00	7,926.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
8,200.00	0.00	0.00	8,026.16	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
8,235.84	0.00	0.00	8,062.00	-1,059.94	278.75	1,095.98	0.00	0.00	0.00
TD at 8235.84 - Kaufman 32A PBHL 2490 FNL, 1958 FEL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Kaufman 32A Top of Ga - plan hits target center - Circle (radius 25.00)	0.00	0.00	4,826.00	-1,059.94	278.75	1,618,720.84	2,403,870.67	39° 30' 47.28 N	107° 36' 47.29 W
Kaufman 32A PBHL 249 - plan hits target center - Point	0.00	0.00	8,062.00	-1,059.94	278.75	1,618,720.84	2,403,870.67	39° 30' 47.28 N	107° 36' 47.29 W

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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 32A-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,657.85	3,531.00	Mesaverde		0.00	
4,516.26	4,346.00	Price Coal		0.00	
4,999.84	4,826.00	Top of Gas		0.00	
7,289.84	7,116.00	Rollins		0.00	
8,034.84	7,861.00	Corcoran		0.00	

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
1,647.75	1,635.40	-105.22	27.67	Start 2574.79 hold at 1647.75 MD
4,222.54	4,063.52	-933.67	245.54	Start Drop -2.50
4,999.84	4,826.00	-1,059.94	278.75	Start 3236.00 hold at 4999.84 MD
8,235.84	8,062.00	-1,059.94	278.75	TD at 8235.84