



Bill Barrett Corp.

Garfield County, Colorado

Kaufman 6 Pad

Kaufman 32D-24-692

Wellbore #1

Plan: plan1 02jun10 smw

Standard Planning Report

03 June, 2010

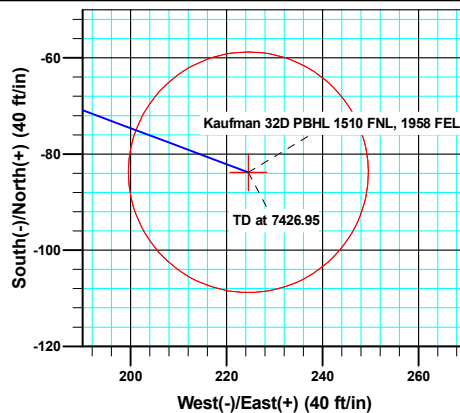
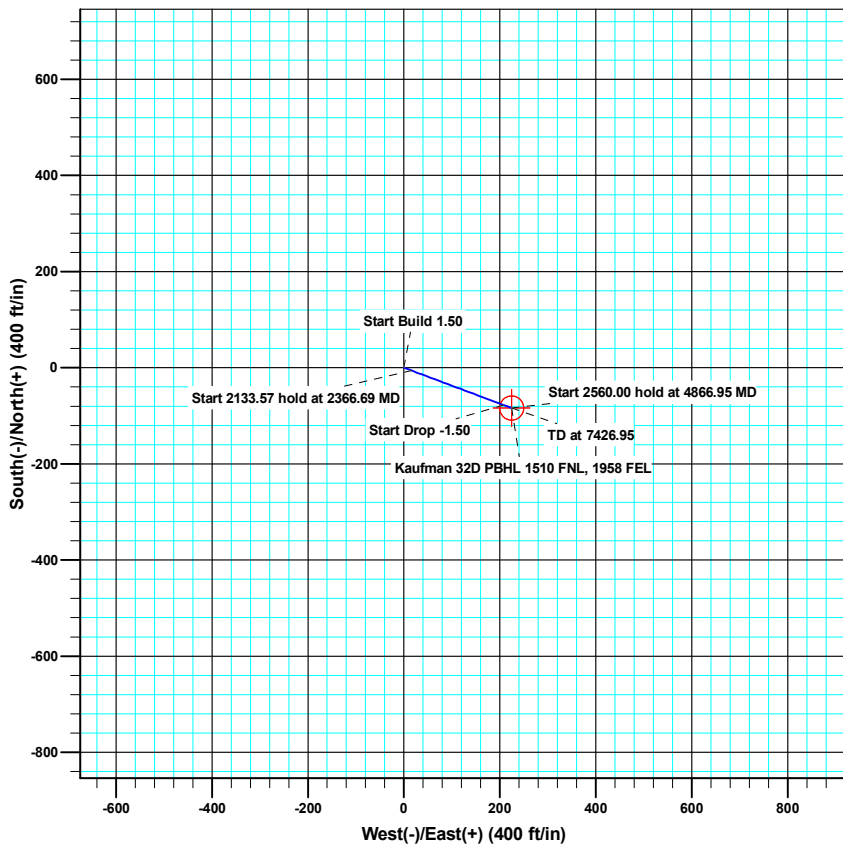
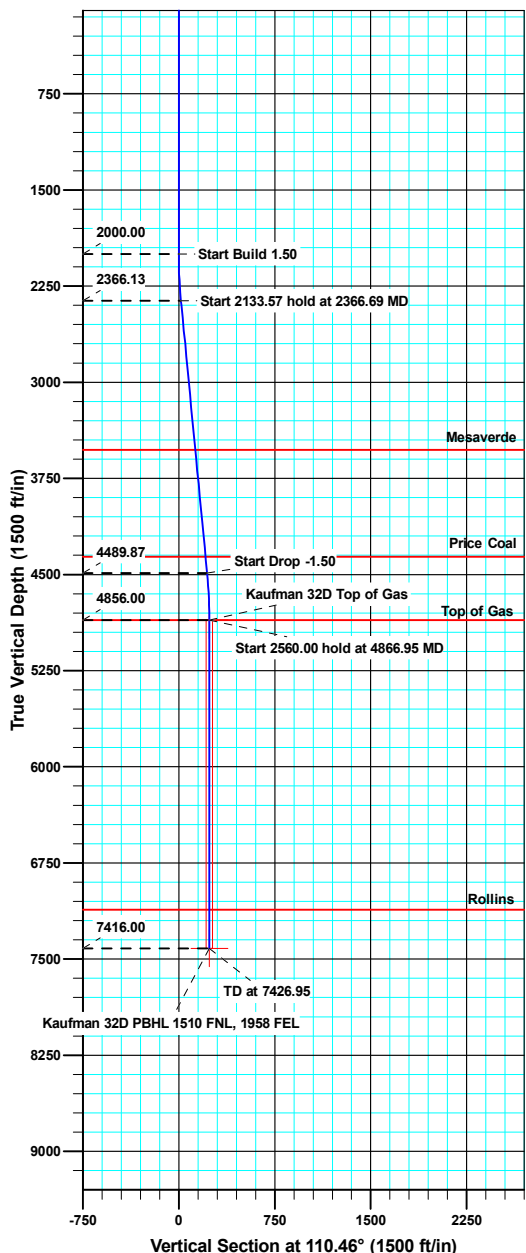




WELL DETAILS: Kaufman 32D-24-692

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 1619789.50 2403664.69 39° 30' 57.79 N 107° 36' 50.24 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
2000.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
2366.13	2366.69	5.50	110.46	-6.15	16.48	17.59	17.59	Start 2133.57 hold at 2366.69 MD
4489.87	4500.26	5.50	110.46	-77.62	208.09	222.10	222.10	Start Drop -1.50
4856.00	4866.95	0.00	0.00	-83.77	224.57	239.68	239.68	Start 2560.00 hold at 4866.95 MD
7416.00	7426.95	0.00	0.00	-83.77	224.57	239.68	239.68	TD at 7426.95



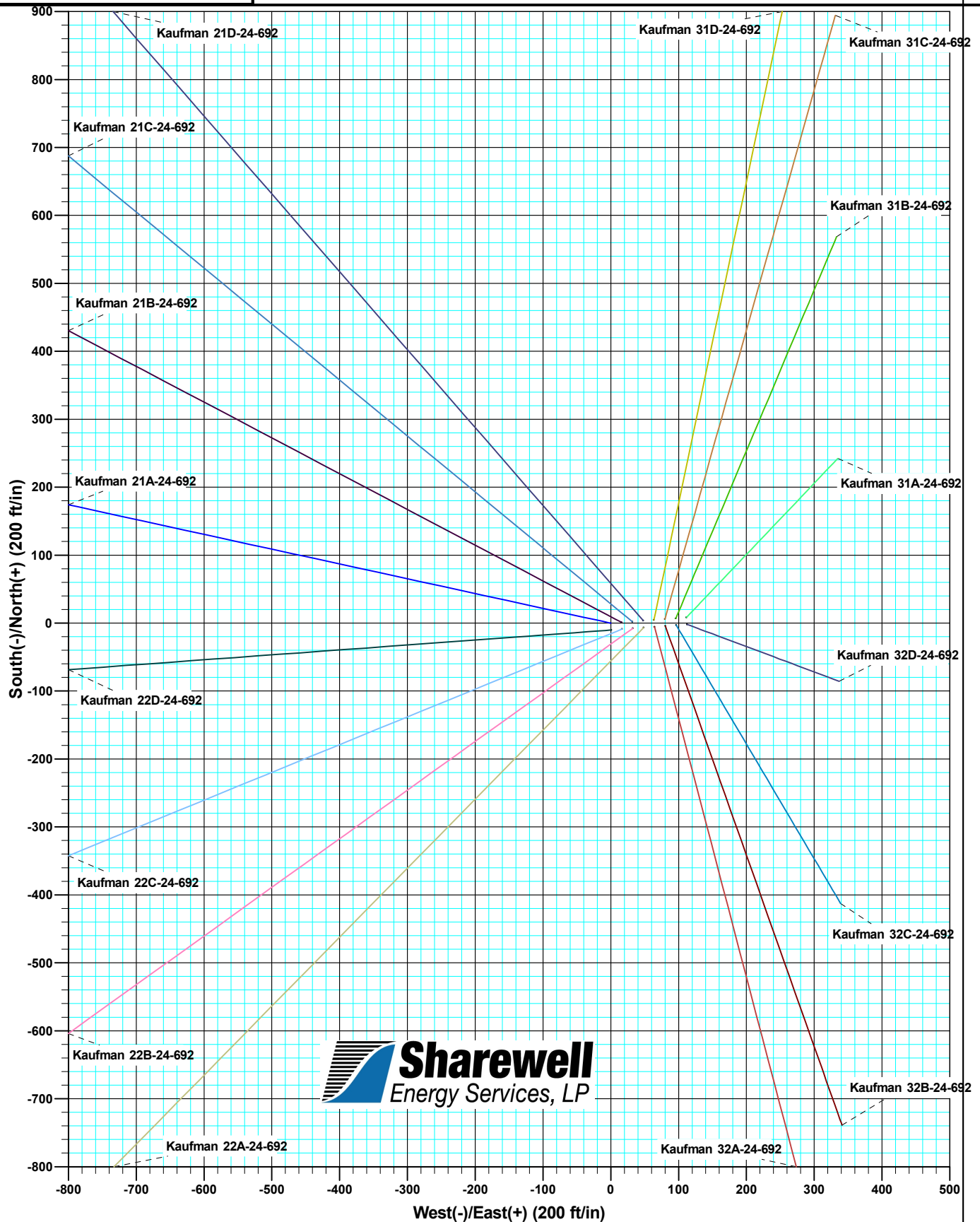


Bill Barrett Corporation

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 32D-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 32D-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 32D-24-692					
Well Position	+N/-S	-1.83 ft	Northing:	1,619,789.50 usft	Latitude:	39° 30' 57.79 N
	+E/-W	112.57 ft	Easting:	2,403,664.69 usft	Longitude:	107° 36' 50.24 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	110.46

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	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,366.69	5.50	110.46	2,366.13	-6.15	16.48	1.50	1.50	0.00	110.46	
4,500.26	5.50	110.46	4,489.87	-77.62	208.09	0.00	0.00	0.00	0.00	
4,866.95	0.00	0.00	4,856.00	-83.77	224.57	1.50	-1.50	0.00	180.00	Kaufman 32D Top of
7,426.95	0.00	0.00	7,416.00	-83.77	224.57	0.00	0.00	0.00	0.00	Kaufman 32D PBHL 1

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32D-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 32D-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)	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 1.50										
2,100.00	1.50	110.46	2,099.99	-0.46	1.23	1.31	1.50	1.50	0.00	
2,200.00	3.00	110.46	2,199.91	-1.83	4.90	5.23	1.50	1.50	0.00	
2,300.00	4.50	110.46	2,299.69	-4.12	11.03	11.77	1.50	1.50	0.00	
2,366.69	5.50	110.46	2,366.13	-6.15	16.48	17.59	1.50	1.50	0.00	
Start 2133.57 hold at 2366.69 MD										
2,400.00	5.50	110.46	2,399.28	-7.26	19.47	20.78	0.00	0.00	0.00	
2,500.00	5.50	110.46	2,498.82	-10.61	28.45	30.37	0.00	0.00	0.00	
2,600.00	5.50	110.46	2,598.36	-13.96	37.43	39.95	0.00	0.00	0.00	
2,700.00	5.50	110.46	2,697.90	-17.31	46.41	49.54	0.00	0.00	0.00	
2,800.00	5.50	110.46	2,797.44	-20.66	55.39	59.12	0.00	0.00	0.00	
2,900.00	5.50	110.46	2,896.98	-24.01	64.37	68.71	0.00	0.00	0.00	
3,000.00	5.50	110.46	2,996.52	-27.36	73.35	78.29	0.00	0.00	0.00	
3,100.00	5.50	110.46	3,096.06	-30.71	82.34	87.88	0.00	0.00	0.00	
3,200.00	5.50	110.46	3,195.60	-34.06	91.32	97.46	0.00	0.00	0.00	
3,300.00	5.50	110.46	3,295.14	-37.41	100.30	107.05	0.00	0.00	0.00	
3,400.00	5.50	110.46	3,394.68	-40.76	109.28	116.63	0.00	0.00	0.00	
3,500.00	5.50	110.46	3,494.22	-44.11	118.26	126.22	0.00	0.00	0.00	
3,531.93	5.50	110.46	3,526.00	-45.18	121.13	129.28	0.00	0.00	0.00	
Mesaverde										
3,600.00	5.50	110.46	3,593.76	-47.46	127.24	135.80	0.00	0.00	0.00	
3,700.00	5.50	110.46	3,693.30	-50.81	136.22	145.39	0.00	0.00	0.00	
3,800.00	5.50	110.46	3,792.84	-54.16	145.20	154.97	0.00	0.00	0.00	
3,900.00	5.50	110.46	3,892.38	-57.51	154.18	164.56	0.00	0.00	0.00	
4,000.00	5.50	110.46	3,991.92	-60.86	163.16	174.14	0.00	0.00	0.00	
4,100.00	5.50	110.46	4,091.46	-64.21	172.14	183.73	0.00	0.00	0.00	
4,200.00	5.50	110.46	4,191.00	-67.56	181.12	193.31	0.00	0.00	0.00	
4,300.00	5.50	110.46	4,290.54	-70.91	190.11	202.90	0.00	0.00	0.00	
4,370.79	5.50	110.46	4,361.00	-73.28	196.46	209.69	0.00	0.00	0.00	
Price Coal										
4,400.00	5.50	110.46	4,390.07	-74.26	199.09	212.49	0.00	0.00	0.00	
4,500.00	5.50	110.46	4,489.61	-77.61	208.07	222.07	0.00	0.00	0.00	
4,500.26	5.50	110.46	4,489.87	-77.62	208.09	222.10	0.00	0.00	0.00	
Start Drop -1.50										
4,600.00	4.00	110.46	4,589.27	-80.51	215.83	230.36	1.50	-1.50	0.00	
4,700.00	2.50	110.46	4,689.10	-82.49	221.15	236.03	1.50	-1.50	0.00	
4,800.00	1.00	110.46	4,789.05	-83.56	224.02	239.10	1.50	-1.50	0.00	
4,866.95	0.00	0.00	4,856.00	-83.77	224.57	239.68	1.50	-1.50	0.00	
Start 2560.00 hold at 4866.95 MD - Top of Gas - Kaufman 32D Top of Gas										
4,900.00	0.00	0.00	4,889.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,000.00	0.00	0.00	4,989.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,100.00	0.00	0.00	5,089.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,200.00	0.00	0.00	5,189.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,289.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,389.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,489.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,589.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,689.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,789.05	-83.77	224.57	239.68	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,889.05	-83.77	224.57	239.68	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,989.05	-83.77	224.57	239.68	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,089.05	-83.77	224.57	239.68	0.00	0.00	0.00	

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Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32D-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)
6,200.00	0.00	0.00	6,189.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,300.00	0.00	0.00	6,289.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,400.00	0.00	0.00	6,389.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,500.00	0.00	0.00	6,489.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,600.00	0.00	0.00	6,589.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,700.00	0.00	0.00	6,689.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,800.00	0.00	0.00	6,789.05	-83.77	224.57	239.68	0.00	0.00	0.00
6,900.00	0.00	0.00	6,889.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,000.00	0.00	0.00	6,989.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,100.00	0.00	0.00	7,089.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,126.95	0.00	0.00	7,116.00	-83.77	224.57	239.68	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	7,189.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,300.00	0.00	0.00	7,289.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,400.00	0.00	0.00	7,389.05	-83.77	224.57	239.68	0.00	0.00	0.00
7,426.95	0.00	0.00	7,416.00	-83.77	224.57	239.68	0.00	0.00	0.00
TD at 7426.95 - Kaufman 32D PBHL 1510 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 32D Top of Ga - plan hits target center - Circle (radius 25.00)	0.00	0.00	4,856.00	-83.77	224.57	1,619,700.53	2,403,887.25	39° 30' 56.96 N	107° 36' 47.37 W
Kaufman 32D PBHL 151 - plan hits target center - Point	0.00	0.00	7,416.00	-83.77	224.57	1,619,700.53	2,403,887.25	39° 30' 56.96 N	107° 36' 47.37 W

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,531.93	3,526.00	Mesaverde		0.00	
4,370.79	4,361.00	Price Coal		0.00	
4,866.95	4,856.00	Top of Gas		0.00	
7,126.95	7,116.00	Rollins		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
2,000.00	2,000.00	0.00	0.00	Start Build 1.50
2,366.69	2,366.13	-6.15	16.48	Start 2133.57 hold at 2366.69 MD
4,500.26	4,489.87	-77.62	208.09	Start Drop -1.50
4,866.95	4,856.00	-83.77	224.57	Start 2560.00 hold at 4866.95 MD
7,426.95	7,416.00	-83.77	224.57	TD at 7426.95