

Results of Directional Survey

API number:	30-025-38122		
OGRID:		Operator:	SAMSON RESOURCES CO
		Property:	GUNSLINGER 11 FEDERAL COM # 2

surface	ULSTR:	K	11	T	20S	R	33E
			2380	FSL		1675	FWL

BH Loc	ULSTR:	J	11	T	20S	R	33E
			2010	FSL		3322	FWL

	MD	N/S	E/W	VD
	13418	-382.79	1653.52	13251.8
TOP PERFS/OH	13426	-383.09	1653.33	13259.80
	13450	-383.99	1652.75	13283.80
	13641	-384.80	1645.93	13474.60
BOT PERFS/OH	13793	-379.77	1646.33	13626.60
	13773	-380.43	1646.28	13606.60

NEXT TO LAST	13773	-380.43	1646.28	13606.60
LAST READING	14080	-370.29	1647.10	13913.40
TD	14080	-370.29	1647.10	13913.40

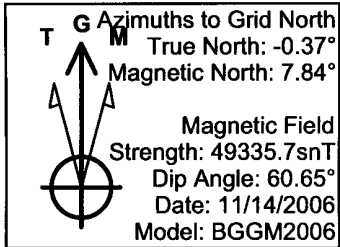
Surface Location	2380	FS	1675	FW
Projected BHL	2010	FS	3322	FW
Location of				
Top Perfs/OH	1997	FS	3328	FW
Bottom Perfs/OH	2000	FS	3321	FW

SUMMARY of Subsurface Locations

Surface Location	K-11-20S-33E	2380	FS	1675	FW	Vert. Depth
Top Perfs/OH	J-11-20S-33E	1997	FS	3328	FW	13259.80
Bottom Perfs/OH	J-11-20S-33E	2000	FS	3321	FW	13626.60
Projected TD	J-11-20S-33E	2010	FS	3322	FW	13913.40

Project: Lea County (27)
Site: Section 11 T-20-S R-33-E
Well: Gunslinger 11 Federal Com #2

Plan: Gunslinger 11 Federal Com #2 111406 (Gunslinger 11 Federal Com #2/Wellbore #1)

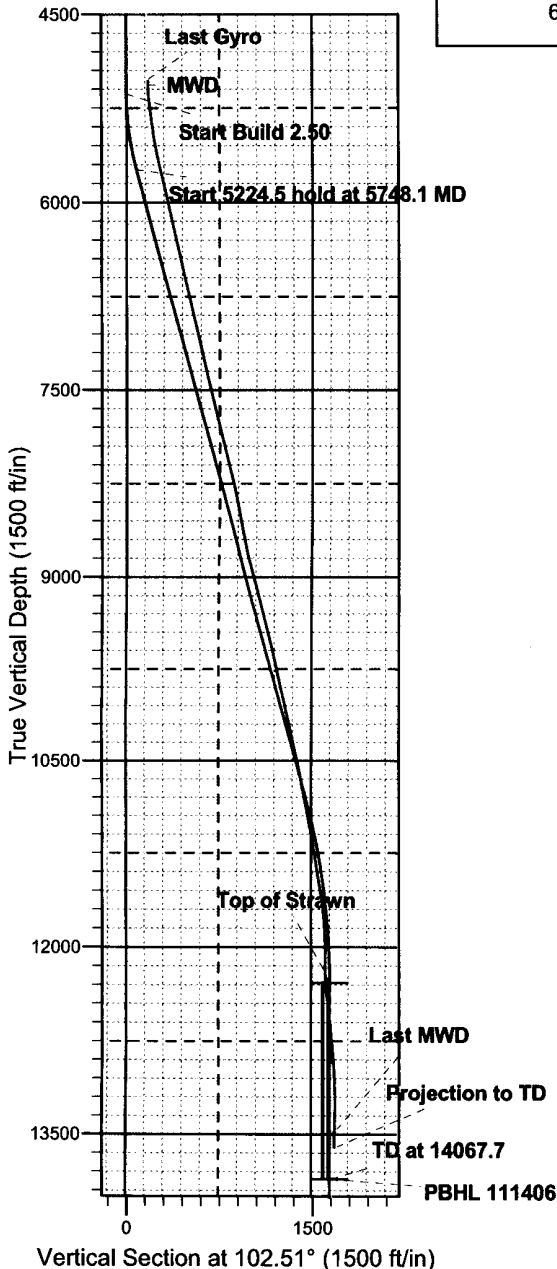


WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Top of Strawn	12285.0	-357.6	1611.4	577561.20	716211.00	Point
PBHL 111406	13860.0	-357.6	1611.4	577561.20	716211.00	Rectangle (Sides: L50.0 W50.0)

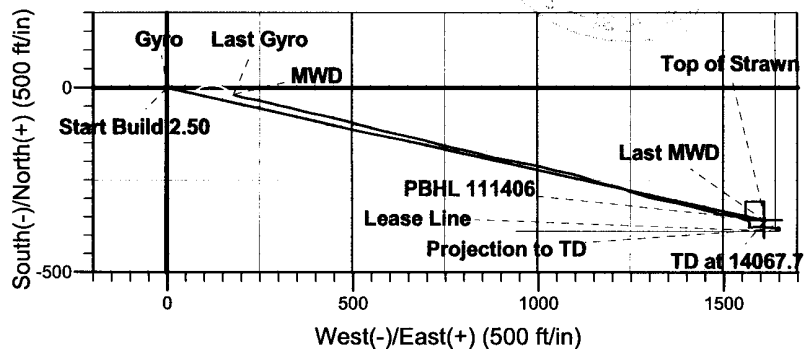
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5140.0	0.00	0.00	5140.0	0.0	0.0	0.00	0.00	0.0	
3	5748.1	15.20	102.51	5740.9	-17.4	78.3	2.50	102.51	80.2	
4	10972.5	15.20	102.51	10782.6	-314.2	1415.7	0.00	0.00	1450.1	
5	12492.7	0.00	0.00	12285.0	-357.6	1611.4	1.00	180.00	1650.6	Top of Strawn
6	14067.7	0.00	0.00	13860.0	-357.6	1611.4	0.00	0.00	1650.6	PBHL 111406



WELL DETAILS: Gunslinger 11 Federal Com #2

Northing	Easting	Ground Level: 3582.0	Latitude	Longitude
0.0	577918.80	714599.60	32° 35' 12.742 N	103° 38' 11.752 W



SUR: K-11-20s-33e, 2380/S & 1675/W
BHL: J-11-20s-33e, 2010/S & 3322/W
API # 30-025-38122

Samson Resources Company

Lea County (27)

Section 11 T-20-S R-33-E

Gunslinger 11 Federal Com #2

Wellbore #1

Design: Wellbore #1

Sperry Drilling Services Combo Report

22 January, 2007

Well Coordinates: 577,918.80 N, 714,599.60 E (32° 35' 12.74" N, 103° 38' 11.75" W)

Ground Level: 3,582.00 ft

Local Coordinate Origin:

Centered on Well Gunslinger 11 Federal Com #2

Viewing Datum:

WELL @ 3602.0ft (Original Well Elev)

TVDs to System:

N

North Reference:

Grid

Unit System:

API - US Survey Feet

Version: 2003.16 Build: 42

HALLIBURTON

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
0.0	0.00	0.00	3,602.0	0.0	0.00 N	0.00 E	577,918.80	714,599.60	0.00	0.0	Gyro
500.0	0.85	116.15	3,102.0	500.0	1.63 S	3.33 E	577,917.17	714,602.93	0.17	3.6	
600.0	0.77	105.95	3,002.0	600.0	2.15 S	4.64 E	577,916.65	714,604.24	0.16	5.0	
700.0	0.76	131.37	2,902.0	700.0	2.77 S	5.78 E	577,916.03	714,605.38	0.34	6.2	
800.0	0.66	123.80	2,802.0	800.0	3.53 S	6.76 E	577,915.27	714,606.36	0.14	7.4	
900.0	0.76	114.41	2,702.1	899.9	4.12 S	7.84 E	577,914.68	714,607.44	0.15	8.6	
1,000.0	0.70	137.46	2,602.1	999.9	4.85 S	8.86 E	577,913.95	714,608.46	0.30	9.7	
1,100.0	0.76	146.41	2,502.1	1,099.9	5.85 S	9.64 E	577,912.95	714,609.24	0.13	10.7	
1,200.0	0.92	161.39	2,402.1	1,199.9	7.16 S	10.26 E	577,911.64	714,609.86	0.27	11.6	
1,300.0	0.71	169.90	2,302.1	1,299.9	8.53 S	10.63 E	577,910.27	714,610.23	0.24	12.2	
1,400.0	0.79	159.91	2,202.1	1,399.9	9.79 S	10.97 E	577,909.01	714,610.57	0.15	12.8	
1,500.0	0.94	114.61	2,102.1	1,499.9	10.78 S	11.96 E	577,908.02	714,611.56	0.68	14.0	
1,600.0	1.44	108.43	2,002.1	1,599.9	11.52 S	13.89 E	577,907.28	714,613.49	0.52	16.1	
1,700.0	1.81	107.69	1,902.2	1,699.8	12.40 S	16.59 E	577,906.40	714,616.19	0.37	18.9	
1,800.0	1.87	108.69	1,802.2	1,799.8	13.40 S	19.64 E	577,905.40	714,619.24	0.07	22.1	
1,900.0	1.72	109.48	1,702.3	1,899.7	14.42 S	22.60 E	577,904.38	714,622.20	0.15	25.2	
2,000.0	1.90	108.11	1,602.3	1,999.7	15.44 S	25.59 E	577,903.36	714,625.19	0.19	28.3	
2,100.0	1.84	107.76	1,502.4	2,099.6	16.44 S	28.70 E	577,902.36	714,628.30	0.06	31.6	
2,200.0	2.10	112.60	1,402.4	2,199.6	17.64 S	31.92 E	577,901.16	714,631.52	0.31	35.0	
2,300.0	2.12	117.56	1,302.5	2,299.5	19.20 S	35.25 E	577,899.60	714,634.85	0.18	38.6	
2,400.0	2.52	106.92	1,202.6	2,399.4	20.69 S	38.99 E	577,898.11	714,638.59	0.59	42.5	
2,500.0	3.24	96.49	1,102.7	2,499.3	21.65 S	43.90 E	577,897.15	714,643.50	0.89	47.5	
2,600.0	3.33	86.74	1,002.9	2,599.1	21.81 S	49.61 E	577,896.99	714,649.21	0.57	53.2	
2,700.0	3.15	73.53	903.0	2,699.0	20.86 S	55.14 E	577,897.94	714,654.74	0.77	58.4	
2,800.0	3.64	67.99	803.2	2,798.8	18.89 S	60.72 E	577,899.91	714,660.32	0.59	63.4	
2,900.0	4.15	60.23	703.4	2,898.6	15.91 S	66.81 E	577,902.89	714,666.41	0.73	68.7	
3,000.0	4.71	53.59	603.7	2,998.3	11.67 S	73.25 E	577,907.13	714,672.85	0.76	74.0	
3,100.0	5.46	53.10	504.1	3,097.9	6.38 S	80.36 E	577,912.42	714,679.96	0.75	79.8	
3,136.0	5.38	56.44	468.3	3,133.7	4.42 S	83.14 E	577,914.38	714,682.74	0.90	82.1	
3,200.0	4.91	58.35	404.5	3,197.5	1.32 S	87.97 E	577,917.48	714,687.57	0.78	86.2	
3,300.0	4.31	72.95	304.9	3,297.1	2.03 N	95.20 E	577,920.83	714,694.80	1.31	92.5	
3,400.0	4.38	76.21	205.2	3,396.8	4.04 N	102.50 E	577,922.84	714,702.10	0.26	99.2	
3,500.0	4.42	81.79	105.5	3,496.5	5.50 N	110.03 E	577,924.30	714,709.63	0.43	106.2	
3,600.0	3.83	87.59	5.7	3,596.3	6.19 N	117.18 E	577,924.99	714,716.78	0.72	113.1	
3,700.0	3.73	91.02	-94.1	3,696.1	6.27 N	123.77 E	577,925.07	714,723.37	0.25	119.5	
3,800.0	3.66	94.48	-193.9	3,795.9	5.96 N	130.20 E	577,924.76	714,729.80	0.23	125.8	
3,900.0	3.32	102.40	-293.7	3,895.7	5.09 N	136.21 E	577,923.89	714,735.81	0.59	131.9	
4,000.0	3.30	109.02	-393.5	3,995.5	3.53 N	141.76 E	577,922.33	714,741.36	0.38	137.6	
4,100.0	3.15	110.72	-493.4	4,095.4	1.62 N	147.05 E	577,920.42	714,746.65	0.18	143.2	
4,200.0	2.84	111.65	-593.2	4,195.2	0.26 S	151.92 E	577,918.54	714,751.52	0.31	148.4	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
4,300.0	2.66	119.30	-693.1	4,295.1	2.31 S	156.25 E	577,916.49	714,755.85	0.41	153.0	
4,400.0	2.55	123.68	-793.0	4,395.0	4.68 S	160.12 E	577,914.12	714,759.72	0.23	157.3	
4,500.0	2.58	118.60	-892.9	4,494.9	6.99 S	163.95 E	577,911.81	714,763.55	0.23	161.6	
4,600.0	2.35	125.14	-992.8	4,594.8	9.25 S	167.60 E	577,909.55	714,767.20	0.36	165.6	
4,700.0	1.98	132.82	-1,092.7	4,694.7	11.60 S	170.55 E	577,907.20	714,770.15	0.47	169.0	
4,800.0	1.91	128.36	-1,192.7	4,794.7	13.81 S	173.12 E	577,904.99	714,772.72	0.17	172.0	
4,900.0	1.73	127.43	-1,292.6	4,894.6	15.76 S	175.63 E	577,903.04	714,775.23	0.18	174.9	
5,000.0	1.54	121.59	-1,392.6	4,994.6	17.39 S	177.97 E	577,901.41	714,777.57	0.25	177.5	
5,030.0	1.42	120.64	-1,422.6	5,024.6	17.79 S	178.63 E	577,901.01	714,778.23	0.41	178.2	Last Gyro
5,074.0	1.10	112.00	-1,466.6	5,068.6	18.22 S	179.49 E	577,900.58	714,779.09	0.84	179.2	MWD
5,105.0	2.90	117.00	-1,497.5	5,099.5	18.69 S	180.47 E	577,900.11	714,780.07	5.83	180.2	
5,137.0	5.10	115.80	-1,529.5	5,131.5	19.68 S	182.47 E	577,899.12	714,782.07	6.88	182.4	
5,168.0	5.40	116.10	-1,560.3	5,162.3	20.92 S	185.02 E	577,897.88	714,784.62	0.97	185.2	
5,200.0	5.10	111.40	-1,592.2	5,194.2	22.10 S	187.70 E	577,896.70	714,787.30	1.64	188.0	
5,231.0	6.00	103.30	-1,623.1	5,225.1	22.98 S	190.56 E	577,895.82	714,790.16	3.84	191.0	
5,261.0	6.90	102.30	-1,652.9	5,254.9	23.72 S	193.84 E	577,895.08	714,793.44	3.02	194.4	
5,293.0	7.20	106.10	-1,684.6	5,286.6	24.69 S	197.65 E	577,894.11	714,797.25	1.73	198.3	
5,324.0	7.20	104.10	-1,715.4	5,317.4	25.70 S	201.40 E	577,893.10	714,801.00	0.81	202.2	
5,356.0	7.20	105.50	-1,747.1	5,349.1	26.72 S	205.28 E	577,892.08	714,804.88	0.55	206.2	
5,388.0	6.90	102.30	-1,778.9	5,380.9	27.67 S	209.09 E	577,891.13	714,808.69	1.54	210.1	
5,420.0	7.70	101.20	-1,810.6	5,412.6	28.49 S	213.07 E	577,890.31	714,812.67	2.54	214.2	
5,452.0	8.40	98.70	-1,842.3	5,444.3	29.26 S	217.48 E	577,889.54	714,817.08	2.45	218.7	
5,484.0	8.80	99.70	-1,874.0	5,476.0	30.03 S	222.21 E	577,888.77	714,821.81	1.33	223.4	
5,515.0	8.70	97.50	-1,904.6	5,506.6	30.73 S	226.87 E	577,888.07	714,826.47	1.13	228.1	
5,547.0	9.60	100.20	-1,936.2	5,538.2	31.52 S	231.89 E	577,887.28	714,831.49	3.12	233.2	
5,578.0	11.20	100.20	-1,966.7	5,568.7	32.51 S	237.40 E	577,886.29	714,837.00	5.16	238.8	
5,610.0	12.10	103.30	-1,998.0	5,600.0	33.84 S	243.72 E	577,884.96	714,843.32	3.42	245.3	
5,642.0	12.30	101.80	-2,029.3	5,631.3	35.30 S	250.32 E	577,883.50	714,849.92	1.17	252.0	
5,673.0	11.90	100.90	-2,059.6	5,661.6	36.58 S	256.69 E	577,882.22	714,856.29	1.43	258.5	
5,705.0	13.00	103.00	-2,090.9	5,692.9	38.02 S	263.44 E	577,880.78	714,863.04	3.72	265.4	
5,736.0	13.70	103.80	-2,121.0	5,723.0	39.68 S	270.40 E	577,879.12	714,870.00	2.34	272.6	
5,768.0	13.50	103.50	-2,152.1	5,754.1	41.45 S	277.72 E	577,877.35	714,877.32	0.66	280.1	
5,800.0	13.40	103.50	-2,183.2	5,785.2	43.19 S	284.95 E	577,875.61	714,884.55	0.31	287.5	
5,832.0	13.40	102.60	-2,214.4	5,816.4	44.87 S	292.18 E	577,873.93	714,891.78	0.65	295.0	
5,863.0	13.40	104.40	-2,244.5	5,846.5	46.54 S	299.16 E	577,872.26	714,898.76	1.35	302.1	
5,895.0	13.40	103.90	-2,275.7	5,877.7	48.36 S	306.35 E	577,870.44	714,905.95	0.36	309.6	
5,926.0	13.60	103.80	-2,305.8	5,907.8	50.09 S	313.38 E	577,868.71	714,912.98	0.65	316.8	
5,958.0	13.70	103.30	-2,336.9	5,938.9	51.86 S	320.72 E	577,866.94	714,920.32	0.48	324.3	
5,990.0	13.50	103.10	-2,368.0	5,970.0	53.58 S	328.05 E	577,865.22	714,927.65	0.64	331.9	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
6,021.0	13.20	102.70	-2,398.2	6,000.2	55.17 S	335.02 E	577,863.63	714,934.62	1.01	339.0	
6,053.0	13.00	103.00	-2,429.3	6,031.3	56.79 S	342.10 E	577,862.01	714,941.70	0.66	346.3	
6,084.0	13.10	103.20	-2,459.5	6,061.5	58.37 S	348.91 E	577,860.43	714,948.51	0.35	353.3	
6,116.0	13.00	105.60	-2,490.7	6,092.7	60.17 S	355.91 E	577,858.63	714,955.51	1.72	360.5	
6,148.0	12.80	106.20	-2,521.9	6,123.9	62.13 S	362.78 E	577,856.67	714,962.38	0.75	367.6	
6,180.0	12.80	104.80	-2,553.1	6,155.1	64.02 S	369.61 E	577,854.78	714,969.21	0.97	374.7	
6,211.0	13.00	105.00	-2,583.3	6,185.3	65.80 S	376.30 E	577,853.00	714,975.90	0.66	381.6	
6,242.0	13.10	103.50	-2,613.5	6,215.5	67.52 S	383.08 E	577,851.28	714,982.68	1.14	388.6	
6,274.0	13.20	100.70	-2,644.7	6,246.7	69.05 S	390.20 E	577,849.75	714,989.80	2.01	395.9	
6,305.0	13.10	98.20	-2,674.9	6,276.9	70.21 S	397.16 E	577,848.59	714,996.76	1.86	402.9	
6,335.0	13.10	99.00	-2,704.1	6,306.1	71.22 S	403.88 E	577,847.58	715,003.48	0.60	409.7	
6,367.0	12.80	101.00	-2,735.3	6,337.3	72.47 S	410.94 E	577,846.33	715,010.54	1.69	416.9	
6,399.0	12.40	102.60	-2,766.5	6,368.5	73.89 S	417.77 E	577,844.91	715,017.37	1.66	423.9	
6,430.0	12.70	103.30	-2,796.8	6,398.8	75.40 S	424.34 E	577,843.40	715,023.94	1.09	430.6	
6,462.0	12.60	103.40	-2,828.0	6,430.0	77.02 S	431.16 E	577,841.78	715,030.76	0.32	437.6	
6,493.0	12.70	101.50	-2,858.2	6,460.2	78.48 S	437.78 E	577,840.32	715,037.38	1.38	444.4	
6,525.0	12.50	103.40	-2,889.5	6,491.5	79.99 S	444.60 E	577,838.81	715,044.20	1.44	451.4	
6,557.0	12.50	103.30	-2,920.7	6,522.7	81.59 S	451.34 E	577,837.21	715,050.94	0.07	458.3	
6,589.0	12.90	103.90	-2,951.9	6,553.9	83.24 S	458.18 E	577,835.56	715,057.78	1.32	465.3	
6,620.0	13.30	102.20	-2,982.1	6,584.1	84.83 S	465.02 E	577,833.97	715,064.62	1.79	472.4	
6,652.0	13.10	102.20	-3,013.3	6,615.3	86.37 S	472.16 E	577,832.43	715,071.76	0.62	479.7	
6,684.0	13.00	102.70	-3,044.4	6,646.4	87.93 S	479.22 E	577,830.87	715,078.82	0.47	486.9	
6,716.0	13.00	102.40	-3,075.6	6,677.6	89.49 S	486.25 E	577,829.31	715,085.85	0.21	494.1	
6,747.0	13.10	104.30	-3,105.8	6,707.8	91.11 S	493.05 E	577,827.69	715,092.65	1.42	501.1	
6,779.0	13.30	106.60	-3,137.0	6,739.0	93.06 S	500.10 E	577,825.74	715,099.70	1.76	508.4	
6,810.0	13.10	106.00	-3,167.1	6,769.1	95.04 S	506.89 E	577,823.76	715,106.49	0.78	515.4	
6,842.0	13.30	105.40	-3,198.3	6,800.3	97.02 S	513.92 E	577,821.78	715,113.52	0.76	522.7	
6,874.0	13.20	104.80	-3,229.5	6,831.5	98.93 S	521.01 E	577,819.87	715,120.61	0.53	530.1	
6,905.0	13.00	106.00	-3,259.6	6,861.6	100.80 S	527.78 E	577,818.00	715,127.38	1.09	537.1	
6,937.0	13.10	105.00	-3,290.8	6,892.8	102.73 S	534.74 E	577,816.07	715,134.34	0.77	544.3	
6,970.0	12.90	105.40	-3,323.0	6,925.0	104.67 S	541.91 E	577,814.13	715,141.51	0.66	551.7	
7,002.0	12.70	106.00	-3,354.2	6,956.2	106.59 S	548.73 E	577,812.21	715,148.33	0.75	558.8	
7,034.0	13.10	104.50	-3,385.4	6,987.4	108.47 S	555.62 E	577,810.33	715,155.22	1.63	565.9	
7,066.0	12.90	103.30	-3,416.5	7,018.5	110.20 S	562.61 E	577,808.60	715,162.21	1.05	573.1	
7,098.0	13.00	103.10	-3,447.7	7,049.7	111.84 S	569.59 E	577,806.96	715,169.19	0.34	580.3	
7,131.0	12.90	101.20	-3,479.9	7,081.9	113.39 S	576.82 E	577,805.41	715,176.42	1.33	587.7	
7,162.0	12.70	103.10	-3,510.1	7,112.1	114.84 S	583.53 E	577,803.96	715,183.13	1.50	594.6	
7,194.0	12.60	102.30	-3,541.3	7,143.3	116.38 S	590.37 E	577,802.42	715,189.97	0.63	601.6	
7,226.0	12.70	103.80	-3,572.6	7,174.6	117.96 S	597.20 E	577,800.84	715,196.80	1.07	608.6	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
7,258.0	12.80	104.50	-3,603.8	7,205.8	119.69 S	604.04 E	577,799.11	715,203.64	0.58	615.6	
7,291.0	12.40	103.60	-3,636.0	7,238.0	121.43 S	611.03 E	577,797.37	715,210.63	1.35	622.8	
7,323.0	12.40	105.40	-3,667.2	7,269.2	123.15 S	617.68 E	577,795.65	715,217.28	1.21	629.7	
7,355.0	12.70	105.10	-3,698.5	7,300.5	124.98 S	624.39 E	577,793.82	715,223.99	0.96	636.6	
7,388.0	13.20	104.30	-3,730.6	7,332.6	126.86 S	631.54 E	577,791.94	715,231.14	1.61	644.0	
7,420.0	13.50	103.00	-3,761.8	7,363.8	128.60 S	638.72 E	577,790.20	715,238.32	1.33	651.4	
7,453.0	13.80	103.00	-3,793.8	7,395.8	130.35 S	646.31 E	577,788.45	715,245.91	0.91	659.2	
7,485.0	13.60	101.90	-3,824.9	7,426.9	131.99 S	653.71 E	577,786.81	715,253.31	1.03	666.8	
7,517.0	13.70	101.20	-3,856.0	7,458.0	133.50 S	661.11 E	577,785.30	715,260.71	0.60	674.3	
7,549.0	13.50	102.30	-3,887.1	7,489.1	135.03 S	668.47 E	577,783.77	715,268.07	1.02	681.9	
7,582.0	13.20	103.60	-3,919.2	7,521.2	136.74 S	675.90 E	577,782.06	715,275.50	1.29	689.5	
7,614.0	13.50	106.50	-3,950.4	7,552.4	138.66 S	683.03 E	577,780.14	715,282.63	2.29	696.9	
7,644.0	13.70	106.90	-3,979.5	7,581.5	140.69 S	689.79 E	577,778.11	715,289.39	0.74	703.9	
7,677.0	13.70	107.30	-4,011.6	7,613.6	142.98 S	697.26 E	577,775.82	715,296.86	0.29	711.7	
7,709.0	13.30	106.20	-4,042.7	7,644.7	145.14 S	704.41 E	577,773.66	715,304.01	1.49	719.1	
7,741.0	12.90	105.50	-4,073.9	7,675.9	147.12 S	711.39 E	577,771.68	715,310.99	1.34	726.4	
7,773.0	12.70	107.40	-4,105.1	7,707.1	149.13 S	718.19 E	577,769.67	715,317.79	1.46	733.4	
7,805.0	12.30	106.90	-4,136.3	7,738.3	151.17 S	724.81 E	577,767.63	715,324.41	1.29	740.3	
7,837.0	12.60	106.70	-4,167.6	7,769.6	153.16 S	731.41 E	577,765.64	715,331.01	0.95	747.2	
7,870.0	12.80	103.90	-4,199.8	7,801.8	155.07 S	738.41 E	577,763.73	715,338.01	1.96	754.5	
7,902.0	13.30	103.00	-4,230.9	7,832.9	156.75 S	745.43 E	577,762.05	715,345.03	1.69	761.7	
7,934.0	14.00	102.80	-4,262.0	7,864.0	158.44 S	752.79 E	577,760.36	715,352.39	2.19	769.2	
7,967.0	14.40	103.90	-4,294.0	7,896.0	160.31 S	760.67 E	577,758.49	715,360.27	1.46	777.3	
7,999.0	14.80	101.20	-4,325.0	7,927.0	162.06 S	768.54 E	577,756.74	715,368.14	2.47	785.4	
8,031.0	15.20	101.00	-4,355.9	7,957.9	163.65 S	776.67 E	577,755.15	715,376.27	1.26	793.7	
8,064.0	14.50	101.00	-4,387.8	7,989.8	165.27 S	784.97 E	577,753.53	715,384.57	2.12	802.1	
8,095.0	14.00	99.70	-4,417.8	8,019.8	166.64 S	792.48 E	577,752.16	715,392.08	1.91	809.8	
8,128.0	13.80	101.90	-4,449.9	8,051.9	168.12 S	800.26 E	577,750.68	715,399.86	1.71	817.7	
8,160.0	13.70	102.60	-4,481.0	8,083.0	169.74 S	807.70 E	577,749.06	715,407.30	0.61	825.3	
8,192.0	13.50	102.60	-4,512.1	8,114.1	171.38 S	815.04 E	577,747.42	715,414.64	0.62	832.8	
8,224.0	13.40	103.70	-4,543.2	8,145.2	173.07 S	822.29 E	577,745.73	715,421.89	0.86	840.3	
8,256.0	13.60	104.30	-4,574.3	8,176.3	174.88 S	829.54 E	577,743.92	715,429.14	0.76	847.7	
8,288.0	13.60	105.20	-4,605.4	8,207.4	176.80 S	836.81 E	577,742.00	715,436.41	0.66	855.2	
8,319.0	13.40	105.00	-4,635.5	8,237.5	178.68 S	843.80 E	577,740.12	715,443.40	0.66	862.5	
8,351.0	13.00	104.40	-4,666.7	8,268.7	180.54 S	850.87 E	577,738.26	715,450.47	1.32	869.8	
8,383.0	12.90	104.10	-4,697.9	8,299.9	182.30 S	857.82 E	577,736.50	715,457.42	0.38	876.9	
8,415.0	12.30	103.80	-4,729.1	8,331.1	183.98 S	864.59 E	577,734.82	715,464.19	1.89	883.9	
8,447.0	11.80	104.30	-4,760.4	8,362.4	185.61 S	871.07 E	577,733.19	715,470.67	1.60	890.6	
8,479.0	11.20	104.20	-4,791.8	8,393.8	187.18 S	877.26 E	577,731.62	715,476.86	1.88	897.0	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
8,511.0	11.20	103.20	-4,823.2	8,425.2	188.65 S	883.29 E	577,730.15	715,482.89	0.61	903.2	
8,542.0	11.40	103.60	-4,853.6	8,455.6	190.06 S	889.20 E	577,728.74	715,488.80	0.69	909.3	
8,573.0	11.60	102.00	-4,883.9	8,485.9	191.42 S	895.23 E	577,727.38	715,494.83	1.21	915.4	
8,605.0	11.30	100.10	-4,915.3	8,517.3	192.64 S	901.46 E	577,726.16	715,501.06	1.51	921.8	
8,636.0	10.80	99.40	-4,945.7	8,547.7	193.65 S	907.32 E	577,725.15	715,506.92	1.67	927.7	
8,668.0	10.20	97.90	-4,977.2	8,579.2	194.53 S	913.08 E	577,724.27	715,512.68	2.06	933.5	
8,700.0	10.00	98.10	-5,008.7	8,610.7	195.31 S	918.64 E	577,723.49	715,518.24	0.63	939.1	
8,732.0	10.30	98.50	-5,040.2	8,642.2	196.12 S	924.22 E	577,722.68	715,523.82	0.96	944.8	
8,764.0	12.20	101.10	-5,071.6	8,673.6	197.20 S	930.37 E	577,721.60	715,529.97	6.14	951.0	
8,795.0	12.80	101.60	-5,101.8	8,703.8	198.52 S	936.95 E	577,720.28	715,536.55	1.97	957.7	
8,827.0	13.10	102.80	-5,133.0	8,735.0	200.04 S	943.95 E	577,718.76	715,543.55	1.26	964.9	
8,859.0	14.00	103.80	-5,164.1	8,766.1	201.76 S	951.25 E	577,717.04	715,550.85	2.91	972.4	
8,891.0	14.50	103.90	-5,195.2	8,797.2	203.65 S	958.90 E	577,715.15	715,558.50	1.56	980.2	
8,923.0	14.90	102.20	-5,226.1	8,828.1	205.48 S	966.81 E	577,713.32	715,566.41	1.84	988.4	
8,955.0	15.50	100.80	-5,257.0	8,859.0	207.15 S	975.03 E	577,711.65	715,574.63	2.20	996.8	
8,987.0	15.60	97.00	-5,287.8	8,889.8	208.48 S	983.50 E	577,710.32	715,583.10	3.20	1,005.3	
9,019.0	15.70	98.60	-5,318.6	8,920.6	209.65 S	992.05 E	577,709.15	715,591.65	1.38	1,013.9	
9,051.0	15.10	101.60	-5,349.5	8,951.5	211.13 S	1,000.42 E	577,707.67	715,600.02	3.12	1,022.4	
9,083.0	14.50	105.90	-5,380.4	8,982.4	213.07 S	1,008.35 E	577,705.73	715,607.95	3.91	1,030.6	
9,115.0	14.10	106.90	-5,411.4	9,013.4	215.30 S	1,015.93 E	577,703.50	715,615.53	1.47	1,038.5	
9,147.0	15.10	105.80	-5,442.4	9,044.4	217.57 S	1,023.67 E	577,701.23	715,623.27	3.24	1,046.5	
9,179.0	16.00	104.70	-5,473.2	9,075.2	219.82 S	1,031.95 E	577,698.98	715,631.55	2.96	1,055.1	
9,210.0	16.40	103.00	-5,503.0	9,105.0	221.89 S	1,040.35 E	577,696.91	715,639.95	2.00	1,063.7	
9,242.0	16.00	101.50	-5,533.7	9,135.7	223.79 S	1,049.07 E	577,695.01	715,648.67	1.81	1,072.6	
9,274.0	15.30	102.10	-5,564.5	9,166.5	225.55 S	1,057.52 E	577,693.25	715,657.12	2.25	1,081.3	
9,306.0	13.30	101.70	-5,595.5	9,197.5	227.18 S	1,065.25 E	577,691.62	715,664.85	6.26	1,089.2	
9,338.0	12.60	100.60	-5,626.7	9,228.7	228.57 S	1,072.29 E	577,690.23	715,671.89	2.32	1,096.3	
9,369.0	12.20	99.50	-5,657.0	9,259.0	229.73 S	1,078.84 E	577,689.07	715,678.44	1.50	1,103.0	
9,402.0	13.10	101.90	-5,689.2	9,291.2	231.08 S	1,085.94 E	577,687.72	715,685.54	3.16	1,110.2	
9,433.0	13.70	105.20	-5,719.4	9,321.4	232.77 S	1,092.92 E	577,686.03	715,692.52	3.13	1,117.4	
9,465.0	14.10	105.60	-5,750.4	9,352.4	234.81 S	1,100.33 E	577,683.99	715,699.93	1.29	1,125.1	
9,497.0	14.20	103.80	-5,781.5	9,383.5	236.79 S	1,107.90 E	577,682.01	715,707.50	1.41	1,132.9	
9,529.0	14.70	104.50	-5,812.4	9,414.4	238.75 S	1,115.64 E	577,680.05	715,715.24	1.66	1,140.9	
9,560.0	14.60	107.50	-5,842.4	9,444.4	240.90 S	1,123.18 E	577,677.90	715,722.78	2.47	1,148.7	
9,592.0	14.90	110.40	-5,873.4	9,475.4	243.55 S	1,130.88 E	577,675.25	715,730.48	2.49	1,156.8	
9,624.0	15.50	112.40	-5,904.3	9,506.3	246.62 S	1,138.69 E	577,672.18	715,738.29	2.49	1,165.1	
9,656.0	14.70	111.80	-5,935.2	9,537.2	249.75 S	1,146.41 E	577,669.05	715,746.01	2.55	1,173.3	
9,688.0	13.80	111.20	-5,966.2	9,568.2	252.64 S	1,153.74 E	577,666.16	715,753.34	2.85	1,181.1	
9,720.0	12.50	108.00	-5,997.3	9,599.3	255.09 S	1,160.59 E	577,663.71	715,760.19	4.65	1,188.3	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
9,752.0	11.70	105.50	-6,028.6	9,630.6	257.03 S	1,167.01 E	577,661.77	715,766.61	2.99	1,195.0	
9,784.0	11.00	103.60	-6,060.0	9,662.0	258.61 S	1,173.11 E	577,660.19	715,772.71	2.48	1,201.3	
9,816.0	11.10	102.30	-6,091.4	9,693.4	259.99 S	1,179.08 E	577,658.81	715,778.68	0.84	1,207.4	
9,846.0	12.20	102.10	-6,120.8	9,722.8	261.27 S	1,185.01 E	577,657.53	715,784.61	3.67	1,213.5	
9,878.0	12.70	99.90	-6,152.0	9,754.0	262.58 S	1,191.78 E	577,656.22	715,791.38	2.15	1,220.4	
9,909.0	13.10	101.30	-6,182.2	9,784.2	263.85 S	1,198.58 E	577,654.95	715,798.18	1.64	1,227.3	
9,941.0	12.70	99.70	-6,213.4	9,815.4	265.16 S	1,205.60 E	577,653.64	715,805.20	1.68	1,234.4	
9,973.0	12.20	103.00	-6,244.7	9,846.7	266.51 S	1,212.36 E	577,652.29	715,811.96	2.72	1,241.3	
10,005.0	12.70	107.40	-6,275.9	9,877.9	268.32 S	1,219.01 E	577,650.48	715,818.61	3.35	1,248.2	
10,028.0	13.10	108.90	-6,298.4	9,900.4	269.92 S	1,223.89 E	577,648.88	715,823.49	2.27	1,253.3	
10,060.0	14.10	111.60	-6,329.5	9,931.5	272.53 S	1,230.95 E	577,646.27	715,830.55	3.70	1,260.8	
10,092.0	13.80	111.70	-6,360.5	9,962.5	275.38 S	1,238.12 E	577,643.42	715,837.72	0.94	1,268.4	
10,124.0	13.50	110.30	-6,391.6	9,993.6	278.09 S	1,245.17 E	577,640.71	715,844.77	1.39	1,275.8	
10,156.0	12.70	110.30	-6,422.8	10,024.8	280.60 S	1,251.97 E	577,638.20	715,851.57	2.50	1,283.0	
10,188.0	11.80	108.90	-6,454.0	10,056.0	282.88 S	1,258.37 E	577,635.92	715,857.97	2.96	1,289.8	
10,219.0	12.30	108.20	-6,484.4	10,086.4	284.94 S	1,264.50 E	577,633.86	715,864.10	1.68	1,296.2	
10,251.0	11.50	106.00	-6,515.7	10,117.7	286.89 S	1,270.81 E	577,631.91	715,870.41	2.87	1,302.8	
10,283.0	11.20	107.20	-6,547.1	10,149.1	288.68 S	1,276.84 E	577,630.12	715,876.44	1.19	1,309.1	
10,315.0	11.60	105.90	-6,578.4	10,180.4	290.48 S	1,282.90 E	577,628.32	715,882.50	1.49	1,315.4	
10,347.0	11.40	109.10	-6,609.8	10,211.8	292.40 S	1,288.99 E	577,626.40	715,888.59	2.09	1,321.7	
10,379.0	12.40	107.30	-6,641.1	10,243.1	294.46 S	1,295.25 E	577,624.34	715,894.85	3.33	1,328.3	
10,411.0	12.50	106.80	-6,672.3	10,274.3	296.48 S	1,301.85 E	577,622.32	715,901.45	0.46	1,335.2	
10,443.0	13.50	103.80	-6,703.5	10,305.5	298.37 S	1,308.79 E	577,620.43	715,908.39	3.77	1,342.4	
10,475.0	13.90	102.80	-6,734.6	10,336.6	300.11 S	1,316.17 E	577,618.69	715,915.77	1.45	1,349.9	
10,506.0	13.20	100.90	-6,764.7	10,366.7	301.61 S	1,323.28 E	577,617.19	715,922.88	2.68	1,357.2	
10,538.0	12.70	101.00	-6,795.9	10,397.9	302.97 S	1,330.32 E	577,615.83	715,929.92	1.56	1,364.4	
10,569.0	12.40	100.50	-6,826.2	10,428.2	304.23 S	1,336.93 E	577,614.57	715,936.53	1.03	1,371.1	
10,601.0	12.00	100.40	-6,857.5	10,459.5	305.45 S	1,343.58 E	577,613.35	715,943.18	1.25	1,377.8	
10,633.0	11.70	101.40	-6,888.8	10,490.8	306.70 S	1,350.04 E	577,612.10	715,949.64	1.14	1,384.4	
10,665.0	11.00	101.20	-6,920.2	10,522.2	307.93 S	1,356.21 E	577,610.87	715,955.81	2.19	1,390.7	
10,697.0	10.30	103.50	-6,951.6	10,553.6	309.19 S	1,361.99 E	577,609.61	715,961.59	2.56	1,396.6	
10,729.0	10.10	102.70	-6,983.1	10,585.1	310.48 S	1,367.51 E	577,608.32	715,967.11	0.77	1,402.3	
10,761.0	10.60	103.90	-7,014.6	10,616.6	311.80 S	1,373.10 E	577,607.00	715,972.70	1.70	1,408.0	
10,792.0	10.80	102.30	-7,045.0	10,647.0	313.10 S	1,378.71 E	577,605.70	715,978.31	1.16	1,413.8	
10,823.0	11.70	101.90	-7,075.4	10,677.4	314.37 S	1,384.62 E	577,604.43	715,984.22	2.91	1,419.8	
10,855.0	11.50	99.40	-7,106.8	10,708.8	315.56 S	1,390.94 E	577,603.24	715,990.54	1.69	1,426.3	
10,887.0	11.10	98.70	-7,138.2	10,740.2	316.55 S	1,397.13 E	577,602.25	715,996.73	1.32	1,432.5	
10,919.0	10.60	99.50	-7,169.6	10,771.6	317.50 S	1,403.08 E	577,601.30	716,002.68	1.63	1,438.5	
10,951.0	10.90	103.70	-7,201.0	10,803.0	318.70 S	1,408.93 E	577,600.10	716,008.53	2.62	1,444.5	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
10,983.0	10.20	107.40	-7,232.5	10,834.5	320.26 S	1,414.57 E	577,598.54	716,014.17	3.04	1,450.4	
11,015.0	9.90	106.20	-7,264.0	10,866.0	321.88 S	1,419.91 E	577,596.92	716,019.51	1.14	1,455.9	
11,047.0	10.00	104.20	-7,295.5	10,897.5	323.33 S	1,425.25 E	577,595.47	716,024.85	1.12	1,461.4	
11,078.0	10.20	103.80	-7,326.0	10,928.0	324.64 S	1,430.52 E	577,594.16	716,030.12	0.68	1,466.9	
11,110.0	10.60	105.50	-7,357.5	10,959.5	326.11 S	1,436.11 E	577,592.69	716,035.71	1.58	1,472.7	
11,142.0	10.50	106.60	-7,389.0	10,991.0	327.73 S	1,441.74 E	577,591.07	716,041.34	0.70	1,478.5	
11,174.0	10.60	106.30	-7,420.4	11,022.4	329.38 S	1,447.36 E	577,589.42	716,046.96	0.36	1,484.3	
11,206.0	10.90	108.10	-7,451.9	11,053.9	331.15 S	1,453.06 E	577,587.65	716,052.66	1.41	1,490.3	
11,238.0	11.50	104.00	-7,483.3	11,085.3	332.86 S	1,459.03 E	577,585.94	716,058.63	3.11	1,496.5	
11,269.0	11.30	103.50	-7,513.7	11,115.7	334.32 S	1,464.98 E	577,584.48	716,064.58	0.72	1,502.6	
11,301.0	10.60	100.60	-7,545.1	11,147.1	335.59 S	1,470.93 E	577,583.21	716,070.53	2.78	1,508.7	
11,347.0	10.00	105.70	-7,590.3	11,192.3	337.45 S	1,478.93 E	577,581.35	716,078.53	2.37	1,516.9	
11,379.0	9.70	108.60	-7,621.9	11,223.9	339.06 S	1,484.16 E	577,579.74	716,083.76	1.81	1,522.4	
11,411.0	8.60	102.60	-7,653.5	11,255.5	340.44 S	1,489.05 E	577,578.36	716,088.65	4.55	1,527.4	
11,443.0	7.90	101.30	-7,685.1	11,287.1	341.40 S	1,493.54 E	577,577.40	716,093.14	2.26	1,532.0	
11,475.0	8.00	98.60	-7,716.8	11,318.8	342.16 S	1,497.90 E	577,576.64	716,097.50	1.21	1,536.5	
11,507.0	9.00	95.70	-7,748.5	11,350.5	342.74 S	1,502.59 E	577,576.06	716,102.19	3.40	1,541.2	
11,539.0	10.10	93.60	-7,780.0	11,382.0	343.17 S	1,507.88 E	577,575.63	716,107.48	3.61	1,546.4	
11,570.0	10.50	95.20	-7,810.5	11,412.5	343.59 S	1,513.41 E	577,575.21	716,113.01	1.59	1,551.9	
11,602.0	9.90	96.70	-7,842.0	11,444.0	344.18 S	1,519.05 E	577,574.62	716,118.65	2.05	1,557.5	
11,634.0	9.50	98.40	-7,873.6	11,475.6	344.89 S	1,524.39 E	577,573.91	716,123.99	1.54	1,562.9	
11,666.0	8.80	102.30	-7,905.2	11,507.2	345.79 S	1,529.39 E	577,573.01	716,128.99	2.92	1,568.0	
11,698.0	9.00	106.30	-7,936.8	11,538.8	347.02 S	1,534.19 E	577,571.78	716,133.79	2.03	1,572.9	
11,735.0	9.10	107.70	-7,973.3	11,575.3	348.72 S	1,539.75 E	577,570.08	716,139.35	0.65	1,578.7	
11,767.0	8.90	111.80	-8,004.9	11,606.9	350.41 S	1,544.46 E	577,568.39	716,144.06	2.10	1,583.7	
11,798.0	8.20	114.80	-8,035.6	11,637.6	352.23 S	1,548.70 E	577,566.57	716,148.30	2.68	1,588.2	
11,830.0	8.60	112.50	-8,067.2	11,669.2	354.10 S	1,552.98 E	577,564.70	716,152.58	1.63	1,592.8	
11,861.0	6.10	107.20	-8,098.0	11,700.0	355.47 S	1,556.69 E	577,563.33	716,156.29	8.35	1,596.7	
11,893.0	5.40	104.90	-8,129.8	11,731.8	356.36 S	1,559.77 E	577,562.44	716,159.37	2.30	1,599.9	
11,925.0	5.20	107.60	-8,161.7	11,763.7	357.19 S	1,562.61 E	577,561.61	716,162.21	1.00	1,602.9	
11,956.0	4.70	111.80	-8,192.6	11,794.6	358.09 S	1,565.13 E	577,560.71	716,164.73	1.99	1,605.5	
11,988.0	4.50	119.40	-8,224.5	11,826.5	359.19 S	1,567.44 E	577,559.61	716,167.04	2.00	1,608.0	
12,020.0	4.00	130.30	-8,256.4	11,858.4	360.53 S	1,569.38 E	577,558.27	716,168.98	2.96	1,610.2	
12,052.0	3.60	142.90	-8,288.3	11,890.3	362.05 S	1,570.84 E	577,556.75	716,170.44	2.89	1,612.0	
12,084.0	3.30	157.50	-8,320.2	11,922.2	363.70 S	1,571.80 E	577,555.10	716,171.40	2.89	1,613.3	
12,116.0	3.20	166.90	-8,352.2	11,954.2	365.42 S	1,572.35 E	577,553.38	716,171.95	1.69	1,614.2	
12,148.0	3.50	177.20	-8,384.1	11,986.1	367.27 S	1,572.60 E	577,551.53	716,172.20	2.10	1,614.8	
12,180.0	3.60	181.90	-8,416.1	12,018.1	369.25 S	1,572.62 E	577,549.55	716,172.22	0.96	1,615.3	
12,211.0	3.50	187.70	-8,447.0	12,049.0	371.16 S	1,572.46 E	577,547.64	716,172.06	1.20	1,615.5	
12,243.0	3.30	194.40	-8,479.0	12,081.0	373.02 S	1,572.10 E	577,545.78	716,171.70	1.39	1,615.6	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
12,275.0	3.00	197.60	-8,510.9	12,112.9	374.71 S	1,571.62 E	577,544.09	716,171.22	1.09	1,615.5	
12,307.0	1.80	217.40	-8,542.9	12,144.9	375.91 S	1,571.06 E	577,542.89	716,170.66	4.50	1,615.2	
12,339.0	1.10	187.80	-8,574.9	12,176.9	376.61 S	1,570.71 E	577,542.19	716,170.31	3.14	1,615.0	
12,371.0	1.20	96.80	-8,606.9	12,208.9	376.95 S	1,571.00 E	577,541.85	716,170.60	5.13	1,615.4	
12,402.0	2.30	87.30	-8,637.8	12,239.8	376.96 S	1,571.95 E	577,541.84	716,171.55	3.66	1,616.3	
12,434.0	3.70	89.60	-8,669.8	12,271.8	376.93 S	1,573.62 E	577,541.87	716,173.22	4.39	1,617.9	
12,466.0	4.80	85.60	-8,701.7	12,303.7	376.82 S	1,575.99 E	577,541.98	716,175.59	3.56	1,620.2	
12,498.0	5.30	82.00	-8,733.6	12,335.6	376.51 S	1,578.79 E	577,542.29	716,178.39	1.85	1,622.9	
12,530.0	6.00	86.40	-8,765.4	12,367.4	376.20 S	1,581.92 E	577,542.60	716,181.52	2.57	1,625.9	
12,562.0	7.10	83.30	-8,797.2	12,399.2	375.86 S	1,585.55 E	577,542.94	716,185.15	3.61	1,629.3	
12,593.0	7.10	85.20	-8,828.0	12,430.0	375.48 S	1,589.37 E	577,543.32	716,188.97	0.76	1,633.0	
12,625.0	7.50	89.80	-8,859.7	12,461.7	375.30 S	1,593.42 E	577,543.50	716,193.02	2.21	1,636.9	
12,656.0	7.20	93.60	-8,890.5	12,492.5	375.42 S	1,597.39 E	577,543.38	716,196.99	1.84	1,640.8	
12,688.0	7.00	93.30	-8,922.2	12,524.2	375.66 S	1,601.33 E	577,543.14	716,200.93	0.64	1,644.7	
12,721.0	6.50	93.70	-8,955.0	12,557.0	375.89 S	1,605.21 E	577,542.91	716,204.81	1.52	1,648.5	
12,752.0	6.50	91.20	-8,985.8	12,587.8	376.04 S	1,608.71 E	577,542.76	716,208.31	0.91	1,652.0	
12,784.0	5.90	87.60	-9,017.6	12,619.6	376.01 S	1,612.17 E	577,542.79	716,211.77	2.23	1,655.3	
12,816.0	5.80	92.10	-9,049.4	12,651.4	376.00 S	1,615.42 E	577,542.80	716,215.02	1.47	1,658.5	
12,848.0	5.90	91.60	-9,081.3	12,683.3	376.11 S	1,618.68 E	577,542.69	716,218.28	0.35	1,661.7	
12,880.0	5.50	95.80	-9,113.1	12,715.1	376.31 S	1,621.85 E	577,542.49	716,221.45	1.81	1,664.9	
12,912.0	5.60	99.70	-9,145.0	12,747.0	376.73 S	1,624.92 E	577,542.07	716,224.52	1.22	1,667.9	
12,944.0	5.90	99.80	-9,176.8	12,778.8	377.27 S	1,628.08 E	577,541.53	716,227.68	0.94	1,671.1	
12,975.0	5.40	105.20	-9,207.7	12,809.7	377.92 S	1,631.06 E	577,540.88	716,230.66	2.35	1,674.2	
13,007.0	5.20	107.00	-9,239.5	12,841.5	378.74 S	1,633.90 E	577,540.06	716,233.50	0.81	1,677.1	
13,038.0	4.60	99.40	-9,270.4	12,872.4	379.36 S	1,636.47 E	577,539.44	716,236.07	2.85	1,679.8	
13,070.0	3.90	90.60	-9,302.3	12,904.3	379.58 S	1,638.82 E	577,539.22	716,238.42	2.98	1,682.1	
13,102.0	3.80	82.70	-9,334.3	12,936.3	379.45 S	1,640.96 E	577,539.35	716,240.56	1.69	1,684.2	
13,133.0	3.30	76.80	-9,365.2	12,967.2	379.12 S	1,642.85 E	577,539.68	716,242.45	2.00	1,686.0	
13,165.0	3.70	79.20	-9,397.1	12,999.1	378.72 S	1,644.76 E	577,540.08	716,244.36	1.33	1,687.7	
13,196.0	3.40	76.90	-9,428.1	13,030.1	378.32 S	1,646.64 E	577,540.48	716,246.24	1.07	1,689.5	
13,228.0	3.00	83.70	-9,460.0	13,062.0	378.01 S	1,648.39 E	577,540.79	716,247.99	1.72	1,691.1	
13,260.0	2.70	95.20	-9,492.0	13,094.0	377.99 S	1,649.98 E	577,540.81	716,249.58	2.01	1,692.7	
13,292.0	2.60	109.60	-9,523.9	13,125.9	378.30 S	1,651.41 E	577,540.50	716,251.01	2.10	1,694.1	
13,324.0	2.60	132.50	-9,555.9	13,157.9	379.04 S	1,652.63 E	577,539.76	716,252.23	3.22	1,695.5	
13,355.0	2.70	152.10	-9,586.9	13,188.9	380.16 S	1,653.49 E	577,538.64	716,253.09	2.93	1,696.6	
13,386.0	2.40	181.30	-9,617.9	13,219.9	381.45 S	1,653.82 E	577,537.35	716,253.42	4.25	1,697.2	
13,418.0	2.60	202.50	-9,649.8	13,251.8	382.79 S	1,653.52 E	577,536.01	716,253.12	2.94	1,697.2	
13,450.0	2.60	222.80	-9,681.8	13,283.8	383.99 S	1,652.75 E	577,534.81	716,252.35	2.86	1,696.7	
13,482.0	2.20	244.20	-9,713.8	13,315.8	384.79 S	1,651.71 E	577,534.01	716,251.31	3.04	1,695.8	

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
13,513.0	2.30	252.60	-9,744.7	13,346.7	385.24 S	1,650.58 E	577,533.56	716,250.18	1.11	1,694.8	
13,545.0	2.50	258.30	-9,776.7	13,378.7	385.57 S	1,649.28 E	577,533.23	716,248.88	0.97	1,693.6	
13,577.0	3.00	268.70	-9,808.7	13,410.7	385.73 S	1,647.76 E	577,533.07	716,247.36	2.20	1,692.2	
13,609.0	2.00	292.40	-9,840.6	13,442.6	385.54 S	1,646.41 E	577,533.26	716,246.01	4.43	1,690.8	
13,641.0	1.90	4.60	-9,872.6	13,474.6	384.80 S	1,645.93 E	577,534.00	716,245.53	7.18	1,690.2	Last MWD
13,773.0	1.90	4.60	-10,004.6	13,606.6	380.43 S	1,646.28 E	577,538.37	716,245.88	0.00	1,689.6	Sperry Drilling Tools Projection to TD
14,080.0	1.90	4.60	-10,311.4	13,913.4	370.29 S	1,647.10 E	577,548.51	716,246.70	0.00	1,688.2	Samson Resources Projection to TD

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.0	500.0	-1.6	3.3	Gyro
5,030.0	5,024.6	-17.8	178.6	Last Gyro
5,074.0	5,068.6	-18.2	179.5	MWD
13,641.0	13,474.6	-384.8	1,645.9	Last MWD
13,773.0	13,606.6	-380.4	1,646.3	Sperry Drilling Tools Projection to TD
14,080.0	13,913.4	-370.3	1,647.1	Samson Resources Projection to TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
User	No Target (Freehand)	102.51	Slot	0.0	0.0	0.0

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
500.0	5,030.0	Gyro Survey	NS-GYRO-SS
5,074.0	14,080.0	MWD Survey	MWD

HALLIBURTON**Design Report for Gunslinger 11 Federal Com #2 - Wellbore #1****Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL 111406 - actual wellpath misses by 38.4ft at 14027.0ft MD (13860.4 TVD, -372.0 N, 1647.0 E) - Rectangle (sides W50.0 H50.0 D0.0)	0.00	0.00	13,860.0	-357.6	1,611.4	577,561.20	716,211.00	32° 35' 9.099 N	03° 37' 52.946 W
Top of Strawn - actual wellpath misses by 41.5ft at 12450.0ft MD (12287.8 TVD, -376.9 N, 1574.7 E) - Point	0.00	0.00	12,285.0	-357.6	1,611.4	577,561.20	716,211.00	32° 35' 9.099 N	03° 37' 52.946 W

HALLIBURTON**North Reference Sheet for Section 11 T-20-S R-33-E - Gunslinger 11 Federal Com #2 - Wellbore #1**

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

Vertical Depths are relative to WELL @ 3602.0ft (Original Well Elev). Northing and Easting are relative to Gunslinger 11 Federal Com #2

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 500,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99996183

Grid Coordinates of Well: 577,918.80 ft N, 714,599.60 ft E

Geographical Coordinates of Well: 32° 35' 12.74" N, 103° 38' 11.75" W

Grid Convergence at Surface is: 0.38°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,080.00ft

the Bottom Hole Displacement is 1,688.21ft in the Direction of 102.67° (Grid).

Magnetic Convergence at surface is: -7.84° (14 November 2006, , BGGM2006)

