

Williams Production RMT Co.

Sec. 23 T6S R97W

Puckett WGV 21-23-697 Pad

Puckett WGV 21-23-697

Wellbore #1

Plan #1 02Feb07 kjs

Anticollision Report

02 February, 2007

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Reference	Plan #1 02Feb07 kjs		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interp Method:	Stations	Error Model:	ISCWSA
Depth Range:	0.0 to 0.0ft	Scan Method:	Closest Approach 3D
Max Radius:	10,000.0ft	Error Surface:	Elliptical Conic
		Output errors are at	2.00 sigma

Survey Tool Program	Date	2/2/2007		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	9,253.0	Plan #1 02Feb07 kjs (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Puckett WGV 21-23-697 Pad						
Puckett WGV 22-23-697 - Wellbore #1 - Plan #1 02Feb07	300.0	296.6	36.3	35.1	30.539	
Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb	1,200.0	1,200.9	46.5	40.6	7.919	
Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb	6,800.0	6,755.9	636.5	606.3	21.084	
Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb	900.0	900.6	64.1	59.5	13.941	
Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb	6,800.0	6,773.1	965.4	934.7	31.472	
Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb	6,770.0	6,755.7	318.3	288.0	10.486	
Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb	200.0	199.7	9.9	9.2	14.446	

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Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 22-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-13.7	-17.8	22.5	22.3	100.104		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-13.7	-17.8	22.5	22.2	71.503		
200.0	200.0	199.1	199.1	0.3	0.3	-127.85	-15.6	-17.9	24.9	24.2	36.660		
236.0	235.9	234.4	234.3	0.5	0.4	-134.17	-17.7	-17.9	28.0	27.1	32.155		
300.0	299.7	296.6	296.2	0.6	0.6	-144.60	-23.2	-18.1	36.3	35.1	30.539		
400.0	399.5	393.9	392.8	0.8	0.8	-154.88	-35.4	-18.4	54.1	52.4	32.182		
500.0	499.2	491.9	489.9	1.1	1.1	-160.11	-48.1	-18.7	73.1	71.0	34.594		
600.0	599.0	589.9	587.1	1.3	1.5	-163.17	-60.8	-19.1	92.6	90.0	36.240		
700.0	698.7	687.9	684.3	1.6	1.8	-165.17	-73.5	-19.4	112.2	109.2	37.384		
800.0	798.5	785.9	781.5	1.8	2.1	-166.57	-86.2	-19.7	131.8	128.4	38.212		
900.0	898.2	883.9	878.6	2.1	2.4	-167.61	-98.9	-20.0	151.6	147.7	38.832		
1,000.0	998.0	981.9	975.8	2.4	2.8	-168.41	-111.6	-20.4	171.3	167.0	39.311		
1,100.0	1,097.7	1,079.9	1,073.0	2.6	3.1	-169.04	-124.3	-20.7	191.1	186.3	39.692		
1,200.0	1,197.5	1,177.9	1,170.2	2.9	3.4	-169.56	-137.0	-21.0	211.0	205.7	39.993		
1,300.0	1,297.2	1,275.9	1,267.3	3.1	3.7	-169.98	-149.7	-21.4	230.8	225.0	40.252		
1,400.0	1,397.0	1,373.9	1,364.5	3.4	4.1	-170.34	-162.4	-21.7	250.6	244.4	40.465		
1,500.0	1,496.7	1,471.9	1,461.7	3.6	4.4	-170.65	-175.1	-22.0	270.5	263.8	40.647		
1,600.0	1,596.5	1,569.9	1,558.9	3.9	4.7	-170.91	-187.8	-22.4	290.3	283.2	40.803		
1,700.0	1,696.2	1,667.9	1,656.0	4.2	5.1	-171.14	-200.4	-22.7	310.2	302.6	40.938		
1,800.0	1,796.0	1,765.9	1,753.2	4.4	5.4	-171.35	-213.1	-23.0	330.0	322.0	41.056		
1,900.0	1,895.7	1,863.9	1,850.4	4.7	5.7	-171.53	-225.8	-23.4	349.9	341.4	41.161		
2,000.0	1,995.5	1,961.9	1,947.6	4.9	6.0	-171.69	-238.5	-23.7	369.8	360.8	41.254		
2,100.0	2,095.2	2,059.9	2,044.7	5.2	6.4	-171.83	-251.2	-24.0	389.7	380.2	41.337		
2,200.0	2,195.0	2,157.9	2,141.9	5.4	6.7	-171.96	-263.9	-24.4	409.5	399.6	41.412		
2,300.0	2,294.7	2,255.9	2,239.1	5.7	7.0	-172.08	-276.6	-24.7	429.4	419.1	41.480		
2,400.0	2,394.5	2,353.9	2,336.3	6.0	7.4	-172.19	-289.3	-25.0	449.3	438.5	41.542		
2,500.0	2,494.2	2,451.9	2,433.4	6.2	7.7	-172.28	-302.0	-25.4	469.2	457.9	41.598		
2,600.0	2,594.0	2,549.9	2,530.6	6.5	8.0	-172.38	-314.7	-25.7	489.0	477.3	41.649		
2,700.0	2,693.7	2,647.9	2,627.8	6.7	8.3	-172.46	-327.4	-26.0	508.9	496.7	41.697		
2,800.0	2,793.5	2,745.9	2,725.0	7.0	8.7	-172.54	-340.1	-26.3	528.8	516.1	41.740		
2,900.0	2,893.2	2,843.9	2,822.1	7.2	9.0	-172.61	-352.8	-26.7	548.7	535.6	41.781		
3,000.0	2,993.0	2,941.9	2,919.3	7.5	9.3	-172.67	-365.5	-27.0	568.6	555.0	41.818		
3,100.0	3,092.7	3,039.9	3,016.5	7.7	9.6	-172.74	-378.1	-27.3	588.5	574.4	41.853		
3,200.0	3,192.5	3,137.9	3,113.7	8.0	10.0	-172.79	-390.8	-27.7	608.3	593.8	41.886		
3,300.0	3,292.2	3,235.9	3,210.8	8.3	10.3	-172.85	-403.5	-28.0	628.2	613.2	41.916		
3,400.0	3,392.0	3,333.9	3,308.0	8.5	10.6	-172.90	-416.2	-28.3	648.1	632.7	41.945		
3,500.0	3,491.7	3,431.9	3,405.2	8.8	11.0	-172.95	-428.9	-28.7	668.0	652.1	41.972		
3,600.0	3,591.5	3,529.9	3,502.4	9.0	11.3	-172.99	-441.6	-29.0	687.9	671.5	41.997		
3,700.0	3,691.2	3,627.9	3,599.5	9.3	11.6	-173.03	-454.3	-29.3	707.8	690.9	42.021		
3,800.0	3,791.0	3,725.9	3,696.7	9.5	11.9	-173.07	-467.0	-29.7	727.7	710.4	42.043		
3,900.0	3,890.7	3,823.9	3,793.9	9.8	12.3	-173.11	-479.7	-30.0	747.6	729.8	42.064		
4,000.0	3,990.5	3,921.9	3,891.1	10.1	12.6	-173.15	-492.4	-30.3	767.5	749.2	42.084		
4,100.0	4,090.2	4,019.9	3,988.2	10.3	12.9	-173.18	-505.1	-30.7	787.3	768.6	42.103		
4,200.0	4,190.0	4,117.9	4,085.4	10.6	13.3	-173.22	-517.8	-31.0	807.2	788.1	42.121		
4,300.0	4,289.7	4,215.9	4,182.6	10.8	13.6	-173.25	-530.5	-31.3	827.1	807.5	42.139		
4,400.0	4,389.5	4,313.9	4,279.8	11.1	13.9	-173.28	-543.1	-31.6	847.0	826.9	42.155		
4,500.0	4,489.2	4,411.9	4,376.9	11.3	14.2	-173.31	-555.8	-32.0	866.9	846.3	42.171		
4,600.0	4,589.0	4,509.9	4,474.1	11.6	14.6	-173.33	-568.5	-32.3	886.8	865.8	42.185		

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Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
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Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 22-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,700.0	4,688.7	4,607.9	4,571.3	11.9	14.9	-173.36	-581.2	-32.6	906.7	885.2	42.200		
4,800.0	4,788.4	4,705.9	4,668.5	12.1	15.2	-173.38	-593.9	-33.0	926.6	904.6	42.213		
4,900.0	4,888.2	4,803.9	4,765.6	12.4	15.6	-173.41	-606.6	-33.3	946.5	924.0	42.226		
5,000.0	4,987.9	4,901.9	4,862.8	12.6	15.9	-173.43	-619.3	-33.6	966.4	943.5	42.239		
5,100.0	5,087.7	4,999.9	4,960.0	12.9	16.2	-173.45	-632.0	-34.0	986.2	962.9	42.251		
5,200.0	5,187.4	5,097.9	5,057.2	13.1	16.5	-173.47	-644.7	-34.3	1,006.1	982.3	42.262		
5,300.0	5,287.2	5,195.9	5,154.3	13.4	16.9	-173.49	-657.4	-34.6	1,026.0	1,001.8	42.273		
5,400.0	5,386.9	5,293.9	5,251.5	13.7	17.2	-173.51	-670.1	-35.0	1,045.9	1,021.2	42.284		
5,500.0	5,486.7	5,391.9	5,348.7	13.9	17.5	-173.53	-682.8	-35.3	1,065.8	1,040.6	42.294		
5,600.0	5,586.4	5,489.9	5,445.9	14.2	17.9	-173.55	-695.5	-35.6	1,085.7	1,060.0	42.304		
5,700.0	5,686.2	5,587.9	5,543.0	14.4	18.2	-173.57	-708.1	-36.0	1,105.6	1,079.5	42.313		
5,800.0	5,785.9	5,685.9	5,640.2	14.7	18.5	-173.58	-720.8	-36.3	1,125.5	1,098.9	42.322		
5,900.0	5,885.7	5,783.9	5,737.4	14.9	18.8	-173.60	-733.5	-36.6	1,145.4	1,118.3	42.331		
6,000.0	5,985.4	5,881.9	5,834.6	15.2	19.2	-173.61	-746.2	-36.9	1,165.3	1,137.7	42.340		
6,100.0	6,085.2	5,979.9	5,931.7	15.4	19.5	-173.63	-758.9	-37.3	1,185.2	1,157.2	42.348		
6,200.0	6,184.9	6,077.9	6,028.9	15.7	19.8	-173.64	-771.6	-37.6	1,205.1	1,176.6	42.356		
6,300.0	6,284.7	6,175.9	6,126.1	16.0	20.2	-173.66	-784.3	-37.9	1,224.9	1,196.0	42.363		
6,400.0	6,384.4	6,273.9	6,223.3	16.2	20.5	-173.67	-797.0	-38.3	1,244.8	1,215.5	42.371		
6,499.4	6,483.6	6,401.6	6,350.0	16.5	20.8	-173.69	-812.4	-38.7	1,263.9	1,234.0	42.290		
6,600.0	6,584.0	6,550.8	6,496.6	16.7	21.1	-173.73	-825.3	-39.0	1,278.3	1,247.9	42.026		
6,700.0	6,684.0	6,700.8	6,648.4	16.9	21.4	-173.76	-832.4	-39.2	1,286.1	1,255.2	41.640		
6,770.0	6,754.0	6,806.4	6,754.0	17.0	21.5	179.28	-833.9	-39.2	1,287.7	1,256.5	41.246		
6,800.0	6,784.0	6,807.1	6,754.7	17.0	21.5	179.28	-833.9	-39.2	1,288.1	1,256.8	41.180		
6,900.0	6,884.0	6,807.1	6,754.7	17.2	21.5	179.28	-833.9	-39.2	1,294.2	1,262.7	41.089		
7,000.0	6,984.0	6,807.1	6,754.7	17.4	21.5	179.28	-833.9	-39.2	1,308.0	1,276.3	41.240		
7,100.0	7,084.0	6,807.1	6,754.7	17.6	21.5	179.28	-833.9	-39.2	1,329.2	1,297.2	41.620		
7,200.0	7,184.0	6,807.1	6,754.7	17.8	21.5	179.28	-833.9	-39.2	1,357.4	1,325.2	42.214		
7,300.0	7,284.0	6,807.1	6,754.7	18.0	21.5	179.28	-833.9	-39.2	1,392.3	1,359.9	43.005		
7,400.0	7,384.0	6,807.1	6,754.7	18.2	21.5	179.28	-833.9	-39.2	1,433.3	1,400.7	43.973		
7,500.0	7,484.0	6,807.1	6,754.7	18.4	21.5	179.28	-833.9	-39.2	1,479.9	1,447.1	45.100		
7,600.0	7,584.0	6,807.1	6,754.7	18.6	21.5	179.28	-833.9	-39.2	1,531.6	1,498.6	46.367		
7,700.0	7,684.0	6,807.1	6,754.7	18.8	21.5	179.28	-833.9	-39.2	1,588.0	1,554.7	47.755		
7,800.0	7,784.0	6,807.1	6,754.7	19.0	21.5	179.28	-833.9	-39.2	1,648.5	1,615.0	49.249		
7,900.0	7,884.0	6,807.1	6,754.7	19.2	21.5	179.28	-833.9	-39.2	1,712.7	1,679.0	50.834		
8,000.0	7,984.0	6,807.1	6,754.7	19.4	21.5	179.28	-833.9	-39.2	1,780.3	1,746.3	52.494		
8,100.0	8,084.0	6,807.1	6,754.7	19.6	21.5	179.28	-833.9	-39.2	1,850.7	1,816.6	54.220		
8,200.0	8,184.0	6,807.1	6,754.7	19.8	21.5	179.28	-833.9	-39.2	1,923.8	1,889.4	55.999		
8,300.0	8,284.0	6,807.1	6,754.7	20.0	21.5	179.28	-833.9	-39.2	1,999.2	1,964.6	57.823		
8,400.0	8,384.0	6,807.1	6,754.7	20.2	21.5	179.28	-833.9	-39.2	2,076.7	2,041.9	59.684		
8,500.0	8,484.0	6,807.1	6,754.7	20.4	21.5	179.28	-833.9	-39.2	2,156.0	2,121.0	61.573		
8,600.0	8,584.0	6,807.1	6,754.7	20.6	21.5	179.28	-833.9	-39.2	2,237.0	2,201.8	63.486		
8,700.0	8,684.0	6,807.1	6,754.7	20.8	21.5	179.28	-833.9	-39.2	2,319.5	2,284.1	65.417		
8,800.0	8,784.0	6,807.1	6,754.7	21.0	21.5	179.28	-833.9	-39.2	2,403.3	2,367.7	67.361		
8,900.0	8,884.0	6,807.1	6,754.7	21.2	21.5	179.28	-833.9	-39.2	2,488.4	2,452.5	69.314		
9,000.0	8,984.0	6,807.1	6,754.7	21.4	21.5	179.28	-833.9	-39.2	2,574.4	2,538.3	71.273		
9,100.0	9,084.0	6,807.1	6,754.7	21.7	21.5	179.28	-833.9	-39.2	2,661.5	2,625.2	73.235		
9,200.0	9,184.0	6,807.1	6,754.7	21.9	21.5	179.28	-833.9	-39.2	2,749.4	2,712.9	75.196		
9,253.0	9,237.0	6,807.1	6,754.7	22.0	21.5	179.28	-833.9	-39.2	2,796.4	2,759.7	76.236		

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Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-22.9	-29.7	37.5	37.3	166.840		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-22.9	-29.7	37.5	37.2	119.172		
200.0	200.0	200.9	200.9	0.3	0.3	-120.58	-20.9	-30.0	37.5	36.9	54.988		
236.0	235.9	237.3	237.2	0.5	0.4	-120.50	-18.7	-30.3	37.6	36.7	43.805		
300.0	299.7	302.0	301.6	0.6	0.6	-118.60	-12.9	-31.2	37.1	35.9	31.705		
400.0	399.5	402.1	400.9	0.8	0.9	-110.93	-0.8	-33.0	35.2	33.5	20.669		
500.0	499.2	501.9	500.0	1.1	1.2	-102.37	11.4	-34.9	34.0	31.8	15.034		
596.3	595.3	598.0	595.4	1.3	1.5	-93.74	23.2	-36.6	33.6	30.8	11.972		
600.0	599.0	601.8	599.1	1.3	1.5	-93.41	23.6	-36.7	33.6	30.8	11.883		
700.0	698.7	701.6	698.2	1.6	1.8	-84.46	35.8	-38.5	34.1	30.7	10.054		
800.0	798.5	801.5	797.3	1.8	2.1	-75.94	48.0	-40.4	35.3	31.4	8.993		
900.0	898.2	901.4	896.4	2.1	2.4	-68.17	60.2	-42.2	37.3	32.9	8.397		
1,000.0	998.0	1,001.2	995.5	2.4	2.7	-61.28	72.4	-44.1	39.9	35.0	8.085		
1,100.0	1,097.7	1,101.1	1,094.6	2.6	3.1	-55.30	84.6	-45.9	43.0	37.6	7.949		
1,200.0	1,197.5	1,200.9	1,193.7	2.9	3.4	-50.17	96.8	-47.7	46.5	40.6	7.919		
1,300.0	1,297.2	1,300.8	1,292.8	3.1	3.7	-45.79	109.0	-49.6	50.3	43.9	7.954		
1,400.0	1,397.0	1,400.6	1,391.9	3.4	4.0	-42.04	121.2	-51.4	54.3	47.6	8.025		
1,500.0	1,496.7	1,500.5	1,491.0	3.6	4.3	-38.82	133.4	-53.2	58.6	51.4	8.116		
1,600.0	1,596.5	1,600.4	1,590.1	3.9	4.6	-36.05	145.7	-55.1	63.0	55.3	8.218		
1,700.0	1,696.2	1,700.2	1,689.1	4.2	4.9	-33.64	157.9	-56.9	67.6	59.4	8.323		
1,800.0	1,796.0	1,800.1	1,788.2	4.4	5.3	-31.54	170.1	-58.8	72.2	63.6	8.428		
1,900.0	1,895.7	1,899.9	1,887.3	4.7	5.6	-29.70	182.3	-60.6	76.9	67.9	8.531		
2,000.0	1,995.5	1,999.8	1,986.4	4.9	5.9	-28.07	194.5	-62.4	81.8	72.3	8.630		
2,100.0	2,095.2	2,099.7	2,085.5	5.2	6.2	-26.62	206.7	-64.3	86.6	76.7	8.725		
2,200.0	2,195.0	2,199.5	2,184.6	5.4	6.5	-25.33	218.9	-66.1	91.5	81.2	8.815		
2,300.0	2,294.7	2,299.4	2,283.7	5.7	6.8	-24.17	231.1	-67.9	96.5	85.7	8.900		
2,400.0	2,394.5	2,399.2	2,382.8	6.0	7.2	-23.13	243.3	-69.8	101.5	90.2	8.981		
2,500.0	2,494.2	2,499.1	2,481.9	6.2	7.5	-22.18	255.5	-71.6	106.5	94.7	9.058		
2,600.0	2,594.0	2,599.0	2,581.0	6.5	7.8	-21.32	267.7	-73.5	111.6	99.3	9.130		
2,700.0	2,693.7	2,698.8	2,680.1	6.7	8.1	-20.53	279.9	-75.3	116.6	103.9	9.198		
2,800.0	2,793.5	2,798.7	2,779.2	7.0	8.4	-19.81	292.1	-77.1	121.7	108.6	9.262		
2,900.0	2,893.2	2,898.5	2,878.3	7.2	8.7	-19.14	304.3	-79.0	126.8	113.2	9.323		
3,000.0	2,993.0	2,998.4	2,977.4	7.5	9.1	-18.53	316.5	-80.8	132.0	117.9	9.380		
3,100.0	3,092.7	3,098.3	3,076.5	7.7	9.4	-17.97	328.7	-82.6	137.1	122.6	9.434		
3,200.0	3,192.5	3,198.1	3,175.6	8.0	9.7	-17.44	340.9	-84.5	142.2	127.3	9.486		
3,300.0	3,292.2	3,298.0	3,274.6	8.3	10.0	-16.95	353.1	-86.3	147.4	132.0	9.535		
3,400.0	3,392.0	3,397.8	3,373.7	8.5	10.3	-16.50	365.3	-88.2	152.6	136.7	9.581		
3,500.0	3,491.7	3,497.7	3,472.8	8.8	10.6	-16.07	377.5	-90.0	157.8	141.4	9.625		
3,600.0	3,591.5	3,597.5	3,571.9	9.0	10.9	-15.67	389.7	-91.8	163.0	146.1	9.667		
3,700.0	3,691.2	3,697.4	3,671.0	9.3	11.3	-15.30	401.9	-93.7	168.2	150.8	9.707		
3,800.0	3,791.0	3,797.3	3,770.1	9.5	11.6	-14.95	414.1	-95.5	173.4	155.6	9.745		
3,900.0	3,890.7	3,897.1	3,869.2	9.8	11.9	-14.62	426.3	-97.3	178.6	160.3	9.782		
4,000.0	3,990.5	3,997.0	3,968.3	10.1	12.2	-14.30	438.5	-99.2	183.8	165.1	9.816		
4,100.0	4,090.2	4,096.8	4,067.4	10.3	12.5	-14.01	450.7	-101.0	189.0	169.8	9.849		
4,200.0	4,190.0	4,196.7	4,166.5	10.6	12.8	-13.73	462.9	-102.9	194.2	174.6	9.881		
4,300.0	4,289.7	4,296.6	4,265.6	10.8	13.2	-13.47	475.2	-104.7	199.5	179.3	9.911		
4,400.0	4,389.5	4,396.4	4,364.7	11.1	13.5	-13.22	487.4	-106.5	204.7	184.1	9.940		
4,500.0	4,489.2	4,496.3	4,463.8	11.3	13.8	-12.98	499.6	-108.4	209.9	188.9	9.968		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design													Inter-Site Error: 0.0 ft
Puckett WGV 21-23-697 Pad - Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,600.0	4,589.0	4,596.1	4,562.9	11.6	14.1	-12.75	511.8	-110.2	215.2	193.6	9.995		
4,700.0	4,688.7	4,696.0	4,662.0	11.9	14.4	-12.53	524.0	-112.0	220.4	198.4	10.021		
4,800.0	4,788.4	4,795.9	4,761.0	12.1	14.7	-12.33	536.2	-113.9	225.7	203.2	10.045		
4,900.0	4,888.2	4,895.7	4,860.1	12.4	15.0	-12.13	548.4	-115.7	230.9	208.0	10.069		
5,000.0	4,987.9	4,995.6	4,959.2	12.6	15.4	-11.94	560.6	-117.5	236.2	212.8	10.092		
5,100.0	5,087.7	5,095.4	5,058.3	12.9	15.7	-11.76	572.8	-119.4	241.4	217.6	10.114		
5,200.0	5,187.4	5,195.3	5,157.4	13.1	16.0	-11.59	585.0	-121.2	246.7	222.3	10.135		
5,300.0	5,287.2	5,295.2	5,256.5	13.4	16.3	-11.43	597.2	-123.1	251.9	227.1	10.156		
5,400.0	5,386.9	5,395.0	5,355.6	13.7	16.6	-11.27	609.4	-124.9	257.2	231.9	10.176		
5,500.0	5,486.7	5,494.9	5,454.7	13.9	16.9	-11.12	621.6	-126.7	262.5	236.7	10.195		
5,600.0	5,586.4	5,594.7	5,553.8	14.2	17.3	-10.97	633.8	-128.6	267.7	241.5	10.213		
5,700.0	5,686.2	5,694.6	5,652.9	14.4	17.6	-10.83	646.0	-130.4	273.0	246.3	10.231		
5,800.0	5,785.9	5,794.4	5,752.0	14.7	17.9	-10.70	658.2	-132.2	278.3	251.1	10.248		
5,900.0	5,885.7	5,894.3	5,851.1	14.9	18.2	-10.57	670.4	-134.1	283.5	255.9	10.265		
6,000.0	5,985.4	5,994.2	5,950.2	15.2	18.5	-10.44	682.6	-135.9	288.8	260.7	10.281		
6,100.0	6,085.2	6,094.0	6,049.3	15.4	18.8	-10.32	694.8	-137.8	294.1	265.5	10.296		
6,200.0	6,184.9	6,193.9	6,148.4	15.7	19.2	-10.20	707.0	-139.6	299.4	270.3	10.312		
6,300.0	6,284.7	6,293.7	6,247.4	16.0	19.5	-10.09	719.2	-141.4	304.6	275.1	10.326		
6,400.0	6,384.4	6,393.3	6,352.2	16.2	19.8	-10.00	731.5	-143.3	309.3	279.4	10.323		
6,499.4	6,483.6	6,507.3	6,459.8	16.5	20.0	-9.98	741.2	-144.7	311.4	281.0	10.246		
6,600.0	6,584.0	6,616.8	6,569.1	16.7	20.2	-9.99	748.0	-145.8	311.9	281.1	10.141		
6,700.0	6,684.0	6,725.6	6,677.8	16.9	20.4	-10.00	751.7	-146.3	312.2	281.1	10.051		
6,770.0	6,754.0	6,801.8	6,754.0	17.0	20.5	-16.96	752.4	-146.4	312.2	281.0	9.990		
6,800.0	6,784.0	6,801.8	6,754.0	17.0	20.5	-16.96	752.4	-146.4	313.7	282.3	10.017		
6,900.0	6,884.0	6,801.8	6,754.0	17.2	20.5	-16.96	752.4	-146.4	338.2	306.7	10.726		
7,000.0	6,984.0	6,801.8	6,754.0	17.4	20.5	-16.96	752.4	-146.4	387.8	356.0	12.214		
7,100.0	7,084.0	6,801.8	6,754.0	17.6	20.5	-16.96	752.4	-146.4	454.3	422.3	14.211		
7,200.0	7,184.0	6,801.8	6,754.0	17.8	20.5	-16.96	752.4	-146.4	531.4	499.2	16.510		
7,300.0	7,284.0	6,801.8	6,754.0	18.0	20.5	-16.96	752.4	-146.4	615.1	582.7	18.982		
7,400.0	7,384.0	6,801.8	6,754.0	18.2	20.5	-16.96	752.4	-146.4	703.1	670.5	21.552		
7,500.0	7,484.0	6,801.8	6,754.0	18.4	20.5	-16.96	752.4	-146.4	793.9	761.1	24.175		
7,600.0	7,584.0	6,801.8	6,754.0	18.6	20.5	-16.96	752.4	-146.4	886.7	853.7	26.822		
7,700.0	7,684.0	6,801.8	6,754.0	18.8	20.5	-16.96	752.4	-146.4	981.0	947.7	29.476		
7,800.0	7,784.0	6,801.8	6,754.0	19.0	20.5	-16.96	752.4	-146.4	1,076.2	1,042.7	32.127		
7,900.0	7,884.0	6,801.8	6,754.0	19.2	20.5	-16.96	752.4	-146.4	1,172.3	1,138.6	34.767		
8,000.0	7,984.0	6,801.8	6,754.0	19.4	20.5	-16.96	752.4	-146.4	1,269.0	1,235.0	37.390		
8,100.0	8,084.0	6,801.8	6,754.0	19.6	20.5	-16.96	752.4	-146.4	1,366.1	1,332.0	39.993		
8,200.0	8,184.0	6,801.8	6,754.0	19.8	20.5	-16.96	752.4	-146.4	1,463.6	1,429.3	42.575		
8,300.0	8,284.0	6,801.8	6,754.0	20.0	20.5	-16.96	752.4	-146.4	1,561.5	1,526.9	45.132		
8,400.0	8,384.0	6,801.8	6,754.0	20.2	20.5	-16.96	752.4	-146.4	1,659.6	1,624.8	47.664		
8,500.0	8,484.0	6,801.8	6,754.0	20.4	20.5	-16.96	752.4	-146.4	1,757.9	1,722.9	50.170		
8,600.0	8,584.0	6,801.8	6,754.0	20.6	20.5	-16.96	752.4	-146.4	1,856.4	1,821.1	52.650		
8,700.0	8,684.0	6,801.8	6,754.0	20.8	20.5	-16.96	752.4	-146.4	1,955.1	1,919.6	55.103		
8,800.0	8,784.0	6,801.8	6,754.0	21.0	20.5	-16.96	752.4	-146.4	2,053.8	2,018.1	57.529		
8,900.0	8,884.0	6,801.8	6,754.0	21.2	20.5	-16.96	752.4	-146.4	2,152.7	2,116.8	59.929		
9,000.0	8,984.0	6,801.8	6,754.0	21.4	20.5	-16.96	752.4	-146.4	2,251.7	2,215.6	62.302		
9,100.0	9,084.0	6,801.8	6,754.0	21.7	20.5	-16.96	752.4	-146.4	2,350.8	2,314.4	64.648		
9,200.0	9,184.0	6,801.8	6,754.0	21.9	20.5	-16.96	752.4	-146.4	2,449.9	2,413.4	66.968		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Puckett WGV 21-23-697 Pad - Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs	
Reference		Offset		Semi Major Axis			Distance				Inter-Site Error:	0.0	ft
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning	
9,253.0	9,237.0	6,801.8	6,754.0	22.0	20.5	-16.96	752.4	-146.4	2,502.6	2,465.9	68.188		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Inter-Site Error: 0.0 ft												
Reference		Offset		Semi Major Axis			Distance			Separation		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor	
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-27.5	-35.6	45.0	44.8	200.208	
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-27.5	-35.6	45.0	44.7	143.006	
200.0	200.0	200.0	200.0	0.3	0.3	-122.72	-27.5	-35.6	46.0	45.3	67.392	
236.0	235.9	235.9	235.9	0.5	0.4	-124.88	-27.5	-35.6	47.2	46.4	55.340	
300.0	299.7	299.7	299.7	0.6	0.6	-129.14	-27.5	-35.6	50.0	48.8	43.511	
400.0	399.5	399.5	399.5	0.8	0.8	-134.89	-27.5	-35.6	54.7	53.1	33.980	
500.0	499.2	499.2	499.2	1.1	1.0	-139.69	-27.5	-35.6	59.9	57.9	28.948	
600.0	599.0	597.5	597.5	1.3	1.2	-144.13	-28.7	-35.7	66.6	64.1	26.626	
700.0	698.7	697.0	697.0	1.6	1.4	-148.16	-31.2	-35.8	74.8	71.9	25.642	
800.0	798.5	796.6	796.5	1.8	1.6	-151.39	-33.7	-35.9	83.3	79.9	24.938	
900.0	898.2	896.1	896.0	2.1	1.8	-154.01	-36.2	-36.0	91.9	88.2	24.405	
1,000.0	998.0	995.7	995.5	2.4	2.0	-156.18	-38.7	-36.1	100.8	96.6	23.991	
1,100.0	1,097.7	1,095.2	1,095.0	2.6	2.2	-158.00	-41.2	-36.2	109.7	105.1	23.662	
1,200.0	1,197.5	1,194.8	1,194.6	2.9	2.4	-159.54	-43.7	-36.3	118.8	113.7	23.395	
1,300.0	1,297.2	1,294.3	1,294.1	3.1	2.6	-160.87	-46.2	-36.4	127.9	122.4	23.175	
1,400.0	1,397.0	1,393.8	1,393.6	3.4	2.9	-162.01	-48.7	-36.5	137.1	131.1	22.991	
1,500.0	1,496.7	1,493.4	1,493.1	3.6	3.1	-163.02	-51.2	-36.6	146.3	139.9	22.835	
1,600.0	1,596.5	1,592.9	1,592.6	3.9	3.3	-163.90	-53.6	-36.7	155.6	148.7	22.702	
1,700.0	1,696.2	1,692.5	1,692.1	4.2	3.5	-164.68	-56.1	-36.8	164.9	157.6	22.586	
1,800.0	1,796.0	1,792.0	1,791.6	4.4	3.8	-165.39	-58.6	-36.9	174.2	166.5	22.485	
1,900.0	1,895.7	1,891.6	1,891.1	4.7	4.0	-166.01	-61.1	-37.0	183.6	175.4	22.396	
2,000.0	1,995.5	1,991.1	1,990.6	4.9	4.2	-166.58	-63.6	-37.1	192.9	184.3	22.318	
2,100.0	2,095.2	2,090.6	2,090.2	5.2	4.4	-167.10	-66.1	-37.2	202.3	193.2	22.247	
2,200.0	2,195.0	2,190.2	2,189.7	5.4	4.7	-167.57	-68.6	-37.4	211.7	202.2	22.184	
2,300.0	2,294.7	2,289.7	2,289.2	5.7	4.9	-168.00	-71.1	-37.5	221.2	211.2	22.127	
2,400.0	2,394.5	2,389.3	2,388.7	6.0	5.1	-168.39	-73.6	-37.6	230.6	220.1	22.076	
2,500.0	2,494.2	2,488.8	2,488.2	6.2	5.3	-168.75	-76.1	-37.7	240.0	229.1	22.028	
2,600.0	2,594.0	2,588.4	2,587.7	6.5	5.6	-169.09	-78.6	-37.8	249.5	238.1	21.986	
2,700.0	2,693.7	2,687.9	2,687.2	6.7	5.8	-169.40	-81.1	-37.9	258.9	247.1	21.946	
2,800.0	2,793.5	2,787.4	2,786.7	7.0	6.0	-169.69	-83.6	-38.0	268.4	256.1	21.910	
2,900.0	2,893.2	2,887.0	2,886.2	7.2	6.3	-169.96	-86.1	-38.1	277.9	265.2	21.876	
3,000.0	2,993.0	2,986.5	2,985.8	7.5	6.5	-170.21	-88.6	-38.2	287.3	274.2	21.845	
3,100.0	3,092.7	3,086.1	3,085.3	7.7	6.7	-170.45	-91.1	-38.3	296.8	283.2	21.816	
3,200.0	3,192.5	3,185.6	3,184.8	8.0	6.9	-170.67	-93.6	-38.4	306.3	292.2	21.789	
3,300.0	3,292.2	3,285.1	3,284.3	8.3	7.2	-170.88	-96.1	-38.5	315.8	301.3	21.764	
3,400.0	3,392.0	3,384.7	3,383.8	8.5	7.4	-171.07	-98.5	-38.6	325.3	310.3	21.741	
3,500.0	3,491.7	3,484.2	3,483.3	8.8	7.6	-171.26	-101.0	-38.7	334.8	319.4	21.719	
3,600.0	3,591.5	3,583.8	3,582.8	9.0	7.9	-171.43	-103.5	-38.8	344.3	328.4	21.698	
3,700.0	3,691.2	3,683.3	3,682.3	9.3	8.1	-171.60	-106.0	-38.9	353.8	337.5	21.679	
3,800.0	3,791.0	3,782.9	3,781.8	9.5	8.3	-171.76	-108.5	-39.0	363.3	346.5	21.660	
3,900.0	3,890.7	3,882.4	3,881.4	9.8	8.5	-171.90	-111.0	-39.1	372.8	355.6	21.643	
4,000.0	3,990.5	3,981.9	3,980.9	10.1	8.8	-172.05	-113.5	-39.2	382.3	364.6	21.627	
4,100.0	4,090.2	4,081.5	4,080.4	10.3	9.0	-172.18	-116.0	-39.3	391.8	373.7	21.611	
4,200.0	4,190.0	4,181.0	4,179.9	10.6	9.2	-172.31	-118.5	-39.4	401.3	382.7	21.597	
4,300.0	4,289.7	4,280.6	4,279.4	10.8	9.5	-172.43	-121.0	-39.5	410.8	391.8	21.583	
4,400.0	4,389.5	4,380.1	4,378.9	11.1	9.7	-172.55	-123.5	-39.6	420.4	400.9	21.569	
4,500.0	4,489.2	4,479.7	4,478.4	11.3	9.9	-172.66	-126.0	-39.7	429.9	409.9	21.557	
4,600.0	4,589.0	4,579.2	4,577.9	11.6	10.1	-172.76	-128.5	-39.8	439.4	419.0	21.545	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,700.0	4,688.7	4,678.7	4,677.4	11.9	10.4	-172.87	-131.0	-39.9	448.9	428.1	21.533		
4,800.0	4,788.4	4,778.3	4,777.0	12.1	10.6	-172.96	-133.5	-40.0	458.4	437.1	21.522		
4,900.0	4,888.2	4,877.8	4,876.5	12.4	10.8	-173.06	-136.0	-40.1	468.0	446.2	21.512		
5,000.0	4,987.9	4,977.4	4,976.0	12.6	11.1	-173.15	-138.5	-40.2	477.5	455.3	21.502		
5,100.0	5,087.7	5,076.9	5,075.5	12.9	11.3	-173.23	-141.0	-40.3	487.0	464.4	21.492		
5,200.0	5,187.4	5,176.5	5,175.0	13.1	11.5	-173.32	-143.4	-40.4	496.6	473.4	21.483		
5,300.0	5,287.2	5,276.0	5,274.5	13.4	11.7	-173.40	-145.9	-40.6	506.1	482.5	21.474		
5,400.0	5,386.9	5,375.5	5,374.0	13.7	12.0	-173.47	-148.4	-40.7	515.6	491.6	21.465		
5,500.0	5,486.7	5,475.1	5,473.5	13.9	12.2	-173.55	-150.9	-40.8	525.1	500.7	21.457		
5,600.0	5,586.4	5,574.6	5,573.1	14.2	12.4	-173.62	-153.4	-40.9	534.7	509.8	21.449		
5,700.0	5,686.2	5,674.2	5,672.6	14.4	12.7	-173.69	-155.9	-41.0	544.2	518.8	21.442		
5,800.0	5,785.9	5,773.7	5,772.1	14.7	12.9	-173.76	-158.4	-41.1	553.7	527.9	21.434		
5,900.0	5,885.7	5,873.3	5,871.6	14.9	13.1	-173.82	-160.9	-41.2	563.3	537.0	21.427		
6,000.0	5,985.4	5,972.8	5,971.1	15.2	13.4	-173.88	-163.4	-41.3	572.8	546.1	21.421		
6,100.0	6,085.2	6,072.3	6,070.6	15.4	13.6	-173.94	-165.9	-41.4	582.4	555.2	21.414		
6,200.0	6,184.9	6,171.9	6,170.1	15.7	13.8	-174.00	-168.4	-41.5	591.9	564.2	21.408		
6,300.0	6,284.7	6,271.4	6,269.6	16.0	14.0	-174.06	-170.9	-41.6	601.4	573.3	21.402		
6,400.0	6,384.4	6,371.0	6,369.1	16.2	14.3	-174.11	-173.4	-41.7	611.0	582.4	21.396		
6,499.4	6,483.6	6,469.9	6,468.0	16.5	14.5	-174.17	-175.9	-41.8	620.4	591.4	21.390		
6,600.0	6,584.0	6,570.2	6,568.3	16.7	14.7	-174.22	-178.4	-41.9	628.7	599.3	21.345		
6,700.0	6,684.0	6,672.0	6,670.0	16.9	15.0	-174.24	-180.9	-42.0	634.3	604.5	21.248		
6,770.0	6,754.0	6,755.9	6,754.0	17.0	15.1	178.80	-181.8	-42.0	635.7	605.6	21.100		
6,800.0	6,784.0	6,755.9	6,754.0	17.0	15.1	178.80	-181.8	-42.0	636.5	606.3	21.084		
6,900.0	6,884.0	6,755.9	6,754.0	17.2	15.1	178.80	-181.8	-42.0	648.9	618.5	21.341		
7,000.0	6,984.0	6,755.9	6,754.0	17.4	15.1	178.80	-181.8	-42.0	676.1	645.4	22.076		
7,100.0	7,084.0	6,755.9	6,754.0	17.6	15.1	178.80	-181.8	-42.0	716.3	685.4	23.223		
7,200.0	7,184.0	6,755.9	6,754.0	17.8	15.1	178.80	-181.8	-42.0	767.5	736.4	24.708		
7,300.0	7,284.0	6,755.9	6,754.0	18.0	15.1	178.80	-181.8	-42.0	827.7	796.4	26.458		
7,400.0	7,384.0	6,755.9	6,754.0	18.2	15.1	178.80	-181.8	-42.0	895.0	863.5	28.411		
7,500.0	7,484.0	6,755.9	6,754.0	18.4	15.1	178.80	-181.8	-42.0	968.0	936.3	30.515		
7,600.0	7,584.0	6,755.9	6,754.0	18.6	15.1	178.80	-181.8	-42.0	1,045.5	1,013.5	32.731		
7,700.0	7,684.0	6,755.9	6,754.0	18.8	15.1	178.80	-181.8	-42.0	1,126.5	1,094.3	35.027		
7,800.0	7,784.0	6,755.9	6,754.0	19.0	15.1	178.80	-181.8	-42.0	1,210.4	1,178.0	37.379		
7,900.0	7,884.0	6,755.9	6,754.0	19.2	15.1	178.80	-181.8	-42.0	1,296.5	1,263.9	39.769		
8,000.0	7,984.0	6,755.9	6,754.0	19.4	15.1	178.80	-181.8	-42.0	1,384.5	1,351.7	42.184		
8,100.0	8,084.0	6,755.9	6,754.0	19.6	15.1	178.80	-181.8	-42.0	1,474.1	1,441.1	44.613		
8,200.0	8,184.0	6,755.9	6,754.0	19.8	15.1	178.80	-181.8	-42.0	1,564.9	1,531.7	47.047		
8,300.0	8,284.0	6,755.9	6,754.0	20.0	15.1	178.80	-181.8	-42.0	1,656.8	1,623.3	49.481		
8,400.0	8,384.0	6,755.9	6,754.0	20.2	15.1	178.80	-181.8	-42.0	1,749.6	1,715.9	51.910		
8,500.0	8,484.0	6,755.9	6,754.0	20.4	15.1	178.80	-181.8	-42.0	1,843.1	1,809.2	54.329		
8,600.0	8,584.0	6,755.9	6,754.0	20.6	15.1	178.80	-181.8	-42.0	1,937.2	1,903.1	56.735		
8,700.0	8,684.0	6,755.9	6,754.0	20.8	15.1	178.80	-181.8	-42.0	2,032.0	1,997.6	59.127		
8,800.0	8,784.0	6,755.9	6,754.0	21.0	15.1	178.80	-181.8	-42.0	2,127.2	2,092.6	61.502		
8,900.0	8,884.0	6,755.9	6,754.0	21.2	15.1	178.80	-181.8	-42.0	2,222.8	2,188.0	63.858		
9,000.0	8,984.0	6,755.9	6,754.0	21.4	15.1	178.80	-181.8	-42.0	2,318.8	2,283.8	66.195		
9,100.0	9,084.0	6,755.9	6,754.0	21.7	15.1	178.80	-181.8	-42.0	2,415.1	2,379.9	68.512		
9,200.0	9,184.0	6,755.9	6,754.0	21.9	15.1	178.80	-181.8	-42.0	2,511.7	2,476.3	70.808		
9,253.0	9,237.0	6,755.9	6,754.0	22.0	15.1	178.80	-181.8	-42.0	2,563.1	2,527.5	72.018		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design													Inter-Site Error: 0.0 ft
Puckett WGV 21-23-697 Pad - Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-32.0	-41.6	52.5	52.3	233.576		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-32.0	-41.6	52.5	52.2	166.840		
200.0	200.0	201.1	201.1	0.3	0.3	-120.54	-30.1	-42.0	52.6	51.9	77.010		
236.0	235.9	237.7	237.6	0.5	0.4	-120.42	-27.9	-42.4	52.8	51.9	61.417		
300.0	299.7	302.5	302.2	0.6	0.6	-118.91	-22.1	-43.6	52.5	51.3	44.801		
400.0	399.5	403.4	402.0	0.8	0.9	-111.17	-8.0	-46.4	50.5	48.7	29.244		
500.0	499.2	502.9	499.9	1.1	1.3	-99.01	9.2	-49.9	49.0	46.7	20.901		
513.7	512.9	516.5	513.3	1.1	1.3	-97.31	11.5	-50.4	49.0	46.6	20.147		
600.0	599.0	602.3	597.8	1.3	1.6	-86.68	26.4	-53.3	49.8	46.9	16.796		
700.0	698.7	701.8	695.7	1.6	2.0	-75.27	43.7	-56.8	52.9	49.3	14.873		
800.0	798.5	801.2	793.5	1.8	2.4	-65.42	60.9	-60.3	57.8	53.7	14.104		
900.0	898.2	900.6	891.4	2.1	2.8	-57.30	78.1	-63.7	64.1	59.5	13.941		
1,000.0	998.0	1,000.0	989.2	2.4	3.2	-50.73	95.4	-67.2	71.5	66.4	14.084		
1,100.0	1,097.7	1,099.5	1,087.1	2.6	3.6	-45.44	112.6	-70.7	79.6	74.1	14.373		
1,200.0	1,197.5	1,198.9	1,185.0	2.9	4.0	-41.15	129.8	-74.1	88.3	82.3	14.723		
1,300.0	1,297.2	1,298.3	1,282.8	3.1	4.3	-37.65	147.1	-77.6	97.4	90.9	15.089		
1,400.0	1,397.0	1,397.7	1,380.7	3.4	4.7	-34.75	164.3	-81.1	106.8	99.9	15.448		
1,500.0	1,496.7	1,497.2	1,478.5	3.6	5.1	-32.32	181.5	-84.5	116.4	109.0	15.790		
1,600.0	1,596.5	1,596.6	1,576.4	3.9	5.5	-30.27	198.8	-88.0	126.2	118.3	16.110		
1,700.0	1,696.2	1,696.0	1,674.2	4.2	5.9	-28.51	216.0	-91.5	136.1	127.8	16.406		
1,800.0	1,796.0	1,795.5	1,772.1	4.4	6.3	-26.99	233.2	-94.9	146.1	137.4	16.680		
1,900.0	1,895.7	1,894.9	1,870.0	4.7	6.7	-25.67	250.5	-98.4	156.3	147.0	16.932		
2,000.0	1,995.5	1,994.3	1,967.8	4.9	7.1	-24.51	267.7	-101.9	166.5	156.8	17.165		
2,100.0	2,095.2	2,093.7	2,065.7	5.2	7.5	-23.49	285.0	-105.3	176.7	166.5	17.379		
2,200.0	2,195.0	2,193.2	2,163.5	5.4	7.8	-22.57	302.2	-108.8	187.0	176.4	17.577		
2,300.0	2,294.7	2,292.6	2,261.4	5.7	8.2	-21.76	319.4	-112.3	197.4	186.3	17.760		
2,400.0	2,394.5	2,392.0	2,359.3	6.0	8.6	-21.02	336.7	-115.7	207.8	196.2	17.929		
2,500.0	2,494.2	2,491.4	2,457.1	6.2	9.0	-20.35	353.9	-119.2	218.2	206.1	18.086		
2,600.0	2,594.0	2,590.9	2,555.0	6.5	9.4	-19.75	371.1	-122.7	228.6	216.1	18.232		
2,700.0	2,693.7	2,690.3	2,652.8	6.7	9.8	-19.19	388.4	-126.1	239.1	226.1	18.368		
2,800.0	2,793.5	2,789.7	2,750.7	7.0	10.2	-18.69	405.6	-129.6	249.6	236.1	18.496		
2,900.0	2,893.2	2,889.1	2,848.6	7.2	10.6	-18.22	422.8	-133.1	260.1	246.1	18.615		
3,000.0	2,993.0	2,988.6	2,946.4	7.5	11.0	-17.79	440.1	-136.5	270.6	256.1	18.726		
3,100.0	3,092.7	3,088.0	3,044.3	7.7	11.4	-17.40	457.3	-140.0	281.1	266.2	18.831		
3,200.0	3,192.5	3,187.4	3,142.1	8.0	11.8	-17.03	474.5	-143.5	291.7	276.3	18.929		
3,300.0	3,292.2	3,286.8	3,240.0	8.3	12.1	-16.69	491.8	-146.9	302.2	286.3	19.022		
3,400.0	3,392.0	3,386.3	3,337.8	8.5	12.5	-16.37	509.0	-150.4	312.8	296.4	19.109		
3,500.0	3,491.7	3,485.7	3,435.7	8.8	12.9	-16.07	526.2	-153.9	323.4	306.5	19.192		
3,600.0	3,591.5	3,585.1	3,533.6	9.0	13.3	-15.79	543.5	-157.3	334.0	316.6	19.270		
3,700.0	3,691.2	3,684.5	3,631.4	9.3	13.7	-15.53	560.7	-160.8	344.6	326.7	19.344		
3,800.0	3,791.0	3,784.0	3,729.3	9.5	14.1	-15.28	578.0	-164.2	355.1	336.9	19.414		
3,900.0	3,890.7	3,883.4	3,827.1	9.8	14.5	-15.05	595.2	-167.7	365.8	347.0	19.481		
4,000.0	3,990.5	3,982.8	3,925.0	10.1	14.9	-14.83	612.4	-171.2	376.4	357.1	19.544		
4,100.0	4,090.2	4,082.2	4,022.9	10.3	15.3	-14.62	629.7	-174.6	387.0	367.2	19.605		
4,200.0	4,190.0	4,181.7	4,120.7	10.6	15.7	-14.42	646.9	-178.1	397.6	377.4	19.662		
4,300.0	4,289.7	4,281.1	4,218.6	10.8	16.0	-14.24	664.1	-181.6	408.2	387.5	19.717		
4,400.0	4,389.5	4,380.5	4,316.4	11.1	16.4	-14.06	681.4	-185.0	418.9	397.7	19.770		
4,500.0	4,489.2	4,479.9	4,414.3	11.3	16.8	-13.89	698.6	-188.5	429.5	407.8	19.820		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design													Puckett WGV 21-23-697 Pad - Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs		
Reference		Offset		Semi Major Axis			Distance					Inter-Site Error:	0.0	ft	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning			
4,600.0	4,589.0	4,579.4	4,512.2	11.6	17.2	-13.73	715.8	-192.0	440.1	418.0	19.868				
4,700.0	4,688.7	4,678.8	4,610.0	11.9	17.6	-13.58	733.1	-195.4	450.8	428.1	19.914				
4,800.0	4,788.4	4,778.2	4,707.9	12.1	18.0	-13.44	750.3	-198.9	461.4	438.3	19.959				
4,900.0	4,888.2	4,877.6	4,805.7	12.4	18.4	-13.30	767.5	-202.4	472.0	448.4	20.001				
5,000.0	4,987.9	4,977.1	4,903.6	12.6	18.8	-13.16	784.8	-205.8	482.7	458.6	20.042				
5,100.0	5,087.7	5,076.5	5,001.4	12.9	19.2	-13.04	802.0	-209.3	493.3	468.8	20.081				
5,200.0	5,187.4	5,175.9	5,099.3	13.1	19.6	-12.92	819.2	-212.8	504.0	478.9	20.119				
5,300.0	5,287.2	5,275.3	5,197.2	13.4	20.0	-12.80	836.5	-216.2	514.6	489.1	20.155				
5,400.0	5,386.9	5,374.8	5,295.0	13.7	20.3	-12.69	853.7	-219.7	525.3	499.3	20.190				
5,500.0	5,486.7	5,474.2	5,392.9	13.9	20.7	-12.58	871.0	-223.2	536.0	509.5	20.223				
5,600.0	5,586.4	5,573.6	5,490.7	14.2	21.1	-12.48	888.2	-226.6	546.6	519.6	20.256				
5,700.0	5,686.2	5,673.0	5,588.6	14.4	21.5	-12.38	905.4	-230.1	557.3	529.8	20.287				
5,800.0	5,785.9	5,772.5	5,686.5	14.7	21.9	-12.28	922.7	-233.6	567.9	540.0	20.317				
5,900.0	5,885.7	5,871.9	5,784.3	14.9	22.3	-12.19	939.9	-237.0	578.6	550.2	20.347				
6,000.0	5,985.4	5,971.3	5,882.2	15.2	22.7	-12.10	957.1	-240.5	589.3	560.4	20.375				
6,100.0	6,085.2	6,070.7	5,980.0	15.4	23.1	-12.02	974.4	-244.0	599.9	570.5	20.402				
6,200.0	6,184.9	6,170.2	6,077.9	15.7	23.5	-11.93	991.6	-247.4	610.6	580.7	20.429				
6,300.0	6,284.7	6,268.5	6,194.7	16.0	23.8	-11.86	1,010.4	-251.2	619.8	589.4	20.410				
6,400.0	6,384.4	6,407.6	6,312.7	16.2	24.1	-11.83	1,025.7	-254.3	625.9	595.0	20.302				
6,499.4	6,483.6	6,526.3	6,430.8	16.5	24.4	-11.85	1,037.3	-256.6	628.8	597.6	20.105				
6,600.0	6,584.0	6,646.5	6,550.8	16.7	24.6	-11.89	1,045.4	-258.3	630.0	598.4	19.911				
6,700.0	6,684.0	6,766.1	6,670.3	16.9	24.8	-11.91	1,049.8	-259.1	630.7	598.8	19.746				
6,770.0	6,754.0	6,849.9	6,754.0	17.0	24.9	-18.86	1,050.7	-259.3	630.8	598.7	19.634				
6,800.0	6,784.0	6,849.9	6,754.0	17.0	24.9	-18.86	1,050.7	-259.3	631.5	599.4	19.621				
6,900.0	6,884.0	6,849.9	6,754.0	17.2	24.9	-18.86	1,050.7	-259.3	644.1	611.7	19.877				
7,000.0	6,984.0	6,849.9	6,754.0	17.4	24.9	-18.86	1,050.7	-259.3	671.4	638.8	20.583				
7,100.0	7,084.0	6,849.9	6,754.0	17.6	24.9	-18.86	1,050.7	-259.3	711.9	679.1	21.678				
7,200.0	7,184.0	6,849.9	6,754.0	17.8	24.9	-18.86	1,050.7	-259.3	763.4	730.4	23.093				
7,300.0	7,284.0	6,849.9	6,754.0	18.0	24.9	-18.86	1,050.7	-259.3	823.9	790.6	24.759				
7,400.0	7,384.0	6,849.9	6,754.0	18.2	24.9	-18.86	1,050.7	-259.3	891.5	858.0	26.616				
7,500.0	7,484.0	6,849.9	6,754.0	18.4	24.9	-18.86	1,050.7	-259.3	964.8	931.1	28.617				
7,600.0	7,584.0	6,849.9	6,754.0	18.6	24.9	-18.86	1,050.7	-259.3	1,042.5	1,008.6	30.722				
7,700.0	7,684.0	6,849.9	6,754.0	18.8	24.9	-18.86	1,050.7	-259.3	1,123.7	1,089.6	32.904				
7,800.0	7,784.0	6,849.9	6,754.0	19.0	24.9	-18.86	1,050.7	-259.3	1,207.8	1,173.4	35.140				
7,900.0	7,884.0	6,849.9	6,754.0	19.2	24.9	-18.86	1,050.7	-259.3	1,294.1	1,259.5	37.413				
8,000.0	7,984.0	6,849.9	6,754.0	19.4	24.9	-18.86	1,050.7	-259.3	1,382.3	1,347.5	39.710				
8,100.0	8,084.0	6,849.9	6,754.0	19.6	24.9	-18.86	1,050.7	-259.3	1,472.0	1,437.0	42.022				
8,200.0	8,184.0	6,849.9	6,754.0	19.8	24.9	-18.86	1,050.7	-259.3	1,562.9	1,527.7	44.340				
8,300.0	8,284.0	6,849.9	6,754.0	20.0	24.9	-18.86	1,050.7	-259.3	1,654.9	1,619.4	46.658				
8,400.0	8,384.0	6,849.9	6,754.0	20.2	24.9	-18.86	1,050.7	-259.3	1,747.8	1,712.1	48.973				
8,500.0	8,484.0	6,849.9	6,754.0	20.4	24.9	-18.86	1,050.7	-259.3	1,841.4	1,805.5	51.280				
8,600.0	8,584.0	6,849.9	6,754.0	20.6	24.9	-18.86	1,050.7	-259.3	1,935.6	1,899.5	53.576				
8,700.0	8,684.0	6,849.9	6,754.0	20.8	24.9	-18.86	1,050.7	-259.3	2,030.4	1,994.1	55.859				
8,800.0	8,784.0	6,849.9	6,754.0	21.0	24.9	-18.86	1,050.7	-259.3	2,125.7	2,089.1	58.128				
8,900.0	8,884.0	6,849.9	6,754.0	21.2	24.9	-18.86	1,050.7	-259.3	2,221.4	2,184.6	60.381				
9,000.0	8,984.0	6,849.9	6,754.0	21.4	24.9	-18.86	1,050.7	-259.3	2,317.5	2,280.5	62.617				
9,100.0	9,084.0	6,849.9	6,754.0	21.7	24.9	-18.86	1,050.7	-259.3	2,413.8	2,376.6	64.834				
9,200.0	9,184.0	6,849.9	6,754.0	21.9	24.9	-18.86	1,050.7	-259.3	2,510.5	2,473.1	67.033				

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												
Puckett WGV 21-23-697 Pad - Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Reference		Offset		Semi Major Axis			Distance				Inter-Site Error: 0.0 ft	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
9,253.0	9,237.0	6,849.9	6,754.0	22.0	24.9	-18.86	1,050.7	-259.3	2,561.9	2,524.3	68.191	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-18.3	-23.8	30.0	29.8	133.472		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-18.3	-23.8	30.0	29.7	95.337		
200.0	200.0	199.3	199.3	0.3	0.3	-125.10	-19.4	-23.8	31.8	31.2	47.402		
236.0	235.9	234.9	234.9	0.5	0.4	-129.40	-20.6	-23.9	34.0	33.2	40.240		
300.0	299.7	297.8	297.6	0.6	0.5	-137.38	-23.8	-24.1	39.8	38.7	34.859		
400.0	399.5	396.2	395.8	0.8	0.8	-146.93	-31.1	-24.6	52.0	50.4	32.244		
500.0	499.2	495.1	494.4	1.1	1.0	-152.90	-38.7	-25.0	65.4	63.4	31.805		
600.0	599.0	594.0	593.0	1.3	1.3	-156.81	-46.3	-25.5	79.3	76.8	31.690		
700.0	698.7	692.9	691.6	1.6	1.6	-159.55	-53.9	-26.0	93.4	90.5	31.672		
800.0	798.5	791.8	790.2	1.8	1.8	-161.57	-61.6	-26.4	107.7	104.3	31.687		
900.0	898.2	890.7	888.9	2.1	2.1	-163.11	-69.2	-26.9	122.1	118.2	31.712		
1,000.0	998.0	989.6	987.5	2.4	2.4	-164.33	-76.8	-27.4	136.5	132.2	31.740		
1,100.0	1,097.7	1,088.6	1,086.1	2.6	2.6	-165.32	-84.4	-27.8	151.0	146.2	31.766		
1,200.0	1,197.5	1,187.5	1,184.7	2.9	2.9	-166.13	-92.0	-28.3	165.5	160.3	31.790		
1,300.0	1,297.2	1,286.4	1,283.3	3.1	3.2	-166.81	-99.7	-28.8	180.1	174.4	31.811		
1,400.0	1,397.0	1,385.3	1,382.0	3.4	3.4	-167.39	-107.3	-29.3	194.7	188.6	31.831		
1,500.0	1,496.7	1,484.2	1,480.6	3.6	3.7	-167.89	-114.9	-29.7	209.3	202.7	31.848		
1,600.0	1,596.5	1,583.1	1,579.2	3.9	4.0	-168.33	-122.5	-30.2	223.9	216.9	31.864		
1,700.0	1,696.2	1,682.0	1,677.8	4.2	4.2	-168.71	-130.2	-30.7	238.5	231.0	31.878		
1,800.0	1,796.0	1,781.0	1,776.4	4.4	4.5	-169.04	-137.8	-31.1	253.1	245.2	31.891		
1,900.0	1,895.7	1,879.9	1,875.1	4.7	4.8	-169.34	-145.4	-31.6	267.8	259.4	31.903		
2,000.0	1,995.5	1,978.8	1,973.7	4.9	5.0	-169.61	-153.0	-32.1	282.4	273.6	31.913		
2,100.0	2,095.2	2,077.7	2,072.3	5.2	5.3	-169.85	-160.7	-32.6	297.1	287.8	31.923		
2,200.0	2,195.0	2,176.6	2,170.9	5.4	5.6	-170.07	-168.3	-33.0	311.7	302.0	31.932		
2,300.0	2,294.7	2,275.5	2,269.5	5.7	5.8	-170.27	-175.9	-33.5	326.4	316.2	31.940		
2,400.0	2,394.5	2,374.4	2,368.1	6.0	6.1	-170.46	-183.5	-34.0	341.0	330.4	31.947		
2,500.0	2,494.2	2,473.3	2,466.8	6.2	6.4	-170.62	-191.2	-34.4	355.7	344.6	31.954		
2,600.0	2,594.0	2,572.3	2,565.4	6.5	6.6	-170.78	-198.8	-34.9	370.4	358.8	31.961		
2,700.0	2,693.7	2,671.2	2,664.0	6.7	6.9	-170.92	-206.4	-35.4	385.0	373.0	31.966		
2,800.0	2,793.5	2,770.1	2,762.6	7.0	7.2	-171.05	-214.0	-35.8	399.7	387.2	31.972		
2,900.0	2,893.2	2,869.0	2,861.2	7.2	7.4	-171.17	-221.6	-36.3	414.4	401.4	31.977		
3,000.0	2,993.0	2,967.9	2,959.9	7.5	7.7	-171.29	-229.3	-36.8	429.1	415.6	31.982		
3,100.0	3,092.7	3,066.8	3,058.5	7.7	8.0	-171.40	-236.9	-37.3	443.7	429.9	31.986		
3,200.0	3,192.5	3,165.7	3,157.1	8.0	8.2	-171.50	-244.5	-37.7	458.4	444.1	31.991		
3,300.0	3,292.2	3,264.7	3,255.7	8.3	8.5	-171.59	-252.1	-38.2	473.1	458.3	31.995		
3,400.0	3,392.0	3,363.6	3,354.3	8.5	8.8	-171.68	-259.8	-38.7	487.8	472.5	31.998		
3,500.0	3,491.7	3,462.5	3,452.9	8.8	9.0	-171.76	-267.4	-39.1	502.5	486.8	32.002		
3,600.0	3,591.5	3,561.4	3,551.6	9.0	9.3	-171.84	-275.0	-39.6	517.2	501.0	32.005		
3,700.0	3,691.2	3,660.3	3,650.2	9.3	9.6	-171.91	-282.6	-40.1	531.8	515.2	32.008		
3,800.0	3,791.0	3,759.2	3,748.8	9.5	9.8	-171.98	-290.3	-40.6	546.5	529.4	32.011		
3,900.0	3,890.7	3,858.1	3,847.4	9.8	10.1	-172.05	-297.9	-41.0	561.2	543.7	32.014		
4,000.0	3,990.5	3,957.1	3,946.0	10.1	10.4	-172.11	-305.5	-41.5	575.9	557.9	32.017		
4,100.0	4,090.2	4,056.0	4,044.7	10.3	10.6	-172.17	-313.1	-42.0	590.6	572.1	32.019		
4,200.0	4,190.0	4,154.9	4,143.3	10.6	10.9	-172.23	-320.7	-42.4	605.3	586.4	32.022		
4,300.0	4,289.7	4,253.8	4,241.9	10.8	11.2	-172.28	-328.4	-42.9	620.0	600.6	32.024		
4,400.0	4,389.5	4,352.7	4,340.5	11.1	11.4	-172.33	-336.0	-43.4	634.6	614.8	32.026		
4,500.0	4,489.2	4,451.6	4,439.1	11.3	11.7	-172.38	-343.6	-43.9	649.3	629.1	32.029		
4,600.0	4,589.0	4,550.5	4,537.7	11.6	12.0	-172.43	-351.2	-44.3	664.0	643.3	32.031		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,700.0	4,688.7	4,649.4	4,636.4	11.9	12.3	-172.48	-358.9	-44.8	678.7	657.5	32.033		
4,800.0	4,788.4	4,748.4	4,735.0	12.1	12.5	-172.52	-366.5	-45.3	693.4	671.8	32.034		
4,900.0	4,888.2	4,847.3	4,833.6	12.4	12.8	-172.56	-374.1	-45.7	708.1	686.0	32.036		
5,000.0	4,987.9	4,946.2	4,932.2	12.6	13.1	-172.60	-381.7	-46.2	722.8	700.2	32.038		
5,100.0	5,087.7	5,045.1	5,030.8	12.9	13.3	-172.64	-389.4	-46.7	737.5	714.5	32.040		
5,200.0	5,187.4	5,144.0	5,129.5	13.1	13.6	-172.67	-397.0	-47.1	752.2	728.7	32.041		
5,300.0	5,287.2	5,242.9	5,228.1	13.4	13.9	-172.71	-404.6	-47.6	766.9	742.9	32.043		
5,400.0	5,386.9	5,341.8	5,326.7	13.7	14.1	-172.74	-412.2	-48.1	781.6	757.2	32.044		
5,500.0	5,486.7	5,440.8	5,425.3	13.9	14.4	-172.78	-419.9	-48.6	796.3	771.4	32.046		
5,600.0	5,586.4	5,539.7	5,523.9	14.2	14.7	-172.81	-427.5	-49.0	811.0	785.6	32.047		
5,700.0	5,686.2	5,638.6	5,622.5	14.4	14.9	-172.84	-435.1	-49.5	825.6	799.9	32.048		
5,800.0	5,785.9	5,737.5	5,721.2	14.7	15.2	-172.87	-442.7	-50.0	840.3	814.1	32.050		
5,900.0	5,885.7	5,836.4	5,819.8	14.9	15.5	-172.90	-450.3	-50.4	855.0	828.4	32.051		
6,000.0	5,985.4	5,935.3	5,918.4	15.2	15.7	-172.92	-458.0	-50.9	869.7	842.6	32.052		
6,100.0	6,085.2	6,034.2	6,017.0	15.4	16.0	-172.95	-465.6	-51.4	884.4	856.8	32.053		
6,200.0	6,184.9	6,133.2	6,115.6	15.7	16.3	-172.98	-473.2	-51.9	899.1	871.1	32.054		
6,300.0	6,284.7	6,232.1	6,214.3	16.0	16.5	-173.00	-480.8	-52.3	913.8	885.3	32.055		
6,400.0	6,384.4	6,331.0	6,312.9	16.2	16.8	-173.02	-488.5	-52.8	928.5	899.5	32.056		
6,499.4	6,483.6	6,429.3	6,410.9	16.5	17.1	-173.05	-496.0	-53.3	943.1	913.7	32.057		
6,600.0	6,584.0	6,546.1	6,527.4	16.7	17.3	-173.09	-504.4	-53.8	956.1	926.2	31.979		
6,700.0	6,684.0	6,679.2	6,660.4	16.9	17.6	-173.11	-510.0	-54.1	963.4	933.1	31.777		
6,770.0	6,754.0	6,772.8	6,754.0	17.0	17.7	179.93	-511.1	-54.2	964.9	934.3	31.517		
6,800.0	6,784.0	6,773.1	6,754.3	17.0	17.7	179.93	-511.1	-54.2	965.4	934.7	31.472		
6,900.0	6,884.0	6,773.1	6,754.3	17.2	17.7	179.93	-511.1	-54.2	973.6	942.7	31.516		
7,000.0	6,984.0	6,773.1	6,754.3	17.4	17.7	179.93	-511.1	-54.2	991.9	960.8	31.882		
7,100.0	7,084.0	6,773.1	6,754.3	17.6	17.7	179.93	-511.1	-54.2	1,019.7	988.4	32.546		
7,200.0	7,184.0	6,773.1	6,754.3	17.8	17.7	179.93	-511.1	-54.2	1,056.3	1,024.7	33.479		
7,300.0	7,284.0	6,773.1	6,754.3	18.0	17.7	179.93	-511.1	-54.2	1,100.7	1,069.0	34.648		
7,400.0	7,384.0	6,773.1	6,754.3	18.2	17.7	179.93	-511.1	-54.2	1,152.2	1,120.2	36.019		
7,500.0	7,484.0	6,773.1	6,754.3	18.4	17.7	179.93	-511.1	-54.2	1,209.7	1,177.5	37.561		
7,600.0	7,584.0	6,773.1	6,754.3	18.6	17.7	179.93	-511.1	-54.2	1,272.6	1,240.1	39.243		
7,700.0	7,684.0	6,773.1	6,754.3	18.8	17.7	179.93	-511.1	-54.2	1,339.9	1,307.3	41.042		
7,800.0	7,784.0	6,773.1	6,754.3	19.0	17.7	179.93	-511.1	-54.2	1,411.1	1,378.3	42.934		
7,900.0	7,884.0	6,773.1	6,754.3	19.2	17.7	179.93	-511.1	-54.2	1,485.7	1,452.6	44.901		
8,000.0	7,984.0	6,773.1	6,754.3	19.4	17.7	179.93	-511.1	-54.2	1,563.0	1,529.7	46.928		
8,100.0	8,084.0	6,773.1	6,754.3	19.6	17.7	179.93	-511.1	-54.2	1,642.9	1,609.3	49.001		
8,200.0	8,184.0	6,773.1	6,754.3	19.8	17.7	179.93	-511.1	-54.2	1,724.8	1,691.1	51.108		
8,300.0	8,284.0	6,773.1	6,754.3	20.0	17.7	179.93	-511.1	-54.2	1,808.6	1,774.6	53.242		
8,400.0	8,384.0	6,773.1	6,754.3	20.2	17.7	179.93	-511.1	-54.2	1,893.9	1,859.7	55.395		
8,500.0	8,484.0	6,773.1	6,754.3	20.4	17.7	179.93	-511.1	-54.2	1,980.6	1,946.2	57.559		
8,600.0	8,584.0	6,773.1	6,754.3	20.6	17.7	179.93	-511.1	-54.2	2,068.5	2,033.9	59.730		
8,700.0	8,684.0	6,773.1	6,754.3	20.8	17.7	179.93	-511.1	-54.2	2,157.5	2,122.6	61.904		
8,800.0	8,784.0	6,773.1	6,754.3	21.0	17.7	179.93	-511.1	-54.2	2,247.3	2,212.3	64.077		
8,900.0	8,884.0	6,773.1	6,754.3	21.2	17.7	179.93	-511.1	-54.2	2,338.1	2,302.8	66.246		
9,000.0	8,984.0	6,773.1	6,754.3	21.4	17.7	179.93	-511.1	-54.2	2,429.5	2,394.0	68.408		
9,100.0	9,084.0	6,773.1	6,754.3	21.7	17.7	179.93	-511.1	-54.2	2,521.6	2,485.8	70.561		
9,200.0	9,184.0	6,773.1	6,754.3	21.9	17.7	179.93	-511.1	-54.2	2,614.2	2,578.3	72.704		
9,253.0	9,237.0	6,773.1	6,754.3	22.0	17.7	179.93	-511.1	-54.2	2,663.6	2,627.5	73.836		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design													Inter-Site Error: 0.0 ft
Puckett WGV 21-23-697 Pad - Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-9.2	-11.9	15.0	14.8	66.736		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-9.2	-11.9	15.0	14.7	47.669		
200.0	200.0	200.0	200.0	0.3	0.3	-126.62	-9.2	-11.9	16.1	15.4	23.493		
236.0	235.9	235.9	235.9	0.5	0.4	-132.26	-9.2	-11.9	17.5	16.6	20.342		
300.0	299.7	299.7	299.7	0.6	0.6	-141.54	-9.2	-11.9	20.8	19.6	18.046		
400.0	399.5	399.5	399.5	0.8	0.8	-151.03	-9.2	-11.9	26.7	25.1	16.627		
500.0	499.2	499.2	499.2	1.1	1.0	-156.98	-9.2	-11.9	33.1	31.0	16.074		
600.0	599.0	599.6	599.6	1.3	1.2	-160.59	-8.3	-12.0	38.9	36.4	15.494		
700.0	698.7	699.8	699.7	1.6	1.5	-162.71	-6.0	-12.3	43.4	40.5	14.675		
800.0	798.5	799.7	799.6	1.8	1.7	-164.38	-3.7	-12.5	47.9	44.5	14.042		
900.0	898.2	899.5	899.5	2.1	1.9	-165.77	-1.3	-12.8	52.5	48.6	13.565		
1,000.0	998.0	999.4	999.3	2.4	2.1	-166.93	1.1	-13.1	57.0	52.7	13.195		
1,100.0	1,097.7	1,099.3	1,099.2	2.6	2.4	-167.92	3.4	-13.4	61.6	56.8	12.899		
1,200.0	1,197.5	1,199.2	1,199.0	2.9	2.6	-168.78	5.8	-13.7	66.2	61.0	12.657		
1,300.0	1,297.2	1,299.1	1,298.9	3.1	2.8	-169.52	8.2	-14.0	70.8	65.1	12.456		
1,400.0	1,397.0	1,399.0	1,398.8	3.4	3.0	-170.17	10.5	-14.2	75.5	69.3	12.287		
1,500.0	1,496.7	1,498.9	1,498.6	3.6	3.3	-170.75	12.9	-14.5	80.1	73.5	12.142		
1,600.0	1,596.5	1,598.8	1,598.5	3.9	3.5	-171.26	15.3	-14.8	84.7	77.7	12.016		
1,700.0	1,696.2	1,698.7	1,698.3	4.2	3.7	-171.72	17.6	-15.1	89.4	81.9	11.907		
1,800.0	1,796.0	1,798.5	1,798.2	4.4	3.9	-172.14	20.0	-15.4	94.0	86.1	11.811		
1,900.0	1,895.7	1,898.4	1,898.1	4.7	4.2	-172.51	22.4	-15.7	98.7	90.3	11.725		
2,000.0	1,995.5	1,998.3	1,997.9	4.9	4.4	-172.86	24.8	-15.9	103.3	94.5	11.649		
2,100.0	2,095.2	2,098.2	2,097.8	5.2	4.6	-173.17	27.1	-16.2	108.0	98.7	11.580		
2,200.0	2,195.0	2,198.1	2,197.6	5.4	4.9	-173.46	29.5	-16.5	112.6	102.9	11.518		
2,300.0	2,294.7	2,298.0	2,297.5	5.7	5.1	-173.72	31.9	-16.8	117.3	107.1	11.462		
2,400.0	2,394.5	2,397.9	2,397.4	6.0	5.3	-173.96	34.2	-17.1	122.0	111.3	11.411		
2,500.0	2,494.2	2,497.8	2,497.2	6.2	5.5	-174.19	36.6	-17.4	126.7	115.5	11.364		
2,600.0	2,594.0	2,597.7	2,597.1	6.5	5.8	-174.40	39.0	-17.7	131.3	119.7	11.321		
2,700.0	2,693.7	2,697.6	2,697.0	6.7	6.0	-174.59	41.3	-17.9	136.0	123.9	11.282		
2,800.0	2,793.5	2,797.4	2,796.8	7.0	6.2	-174.78	43.7	-18.2	140.7	128.2	11.245		
2,900.0	2,893.2	2,897.3	2,896.7	7.2	6.4	-174.95	46.1	-18.5	145.3	132.4	11.211		
3,000.0	2,993.0	2,997.2	2,996.5	7.5	6.7	-175.11	48.4	-18.8	150.0	136.6	11.179		
3,100.0	3,092.7	3,097.1	3,096.4	7.7	6.9	-175.26	50.8	-19.1	154.7	140.8	11.150		
3,200.0	3,192.5	3,197.0	3,196.3	8.0	7.1	-175.40	53.2	-19.4	159.4	145.1	11.122		
3,300.0	3,292.2	3,296.9	3,296.1	8.3	7.4	-175.53	55.6	-19.6	164.1	149.3	11.097		
3,400.0	3,392.0	3,396.8	3,396.0	8.5	7.6	-175.66	57.9	-19.9	168.7	153.5	11.072		
3,500.0	3,491.7	3,496.7	3,495.8	8.8	7.8	-175.78	60.3	-20.2	173.4	157.7	11.050		
3,600.0	3,591.5	3,596.6	3,595.7	9.0	8.0	-175.89	62.7	-20.5	178.1	162.0	11.028		
3,700.0	3,691.2	3,696.5	3,695.6	9.3	8.3	-176.00	65.0	-20.8	182.8	166.2	11.008		
3,800.0	3,791.0	3,796.3	3,795.4	9.5	8.5	-176.10	67.4	-21.1	187.5	170.4	10.989		
3,900.0	3,890.7	3,896.2	3,895.3	9.8	8.7	-176.19	69.8	-21.3	192.2	174.6	10.971		
4,000.0	3,990.5	3,996.1	3,995.1	10.1	8.9	-176.29	72.1	-21.6	196.8	178.9	10.954		
4,100.0	4,090.2	4,096.0	4,095.0	10.3	9.2	-176.37	74.5	-21.9	201.5	183.1	10.937		
4,200.0	4,190.0	4,195.9	4,194.9	10.6	9.4	-176.46	76.9	-22.2	206.2	187.3	10.922		
4,300.0	4,289.7	4,295.8	4,294.7	10.8	9.6	-176.54	79.2	-22.5	210.9	191.6	10.907		
4,400.0	4,389.5	4,395.7	4,394.6	11.1	9.9	-176.61	81.6	-22.8	215.6	195.8	10.893		
4,500.0	4,489.2	4,495.6	4,494.5	11.3	10.1	-176.69	84.0	-23.1	220.3	200.0	10.880		
4,600.0	4,589.0	4,595.5	4,594.3	11.6	10.3	-176.76	86.3	-23.3	225.0	204.3	10.867		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,700.0	4,688.7	4,695.3	4,694.2	11.9	10.5	-176.83	88.7	-23.6	229.7	208.5	10.855		
4,800.0	4,788.4	4,795.2	4,794.0	12.1	10.8	-176.89	91.1	-23.9	234.3	212.7	10.843		
4,900.0	4,888.2	4,895.1	4,893.9	12.4	11.0	-176.95	93.5	-24.2	239.0	217.0	10.832		
5,000.0	4,987.9	4,995.0	4,993.8	12.6	11.2	-177.01	95.8	-24.5	243.7	221.2	10.821		
5,100.0	5,087.7	5,094.9	5,093.6	12.9	11.4	-177.07	98.2	-24.8	248.4	225.4	10.811		
5,200.0	5,187.4	5,194.8	5,193.5	13.1	11.7	-177.13	100.6	-25.0	253.1	229.7	10.801		
5,300.0	5,287.2	5,294.7	5,293.3	13.4	11.9	-177.18	102.9	-25.3	257.8	233.9	10.792		
5,400.0	5,386.9	5,394.6	5,393.2	13.7	12.1	-177.23	105.3	-25.6	262.5	238.1	10.782		
5,500.0	5,486.7	5,494.5	5,493.1	13.9	12.4	-177.28	107.7	-25.9	267.2	242.4	10.774		
5,600.0	5,586.4	5,594.4	5,592.9	14.2	12.6	-177.33	110.0	-26.2	271.9	246.6	10.765		
5,700.0	5,686.2	5,694.2	5,692.8	14.4	12.8	-177.37	112.4	-26.5	276.5	250.8	10.757		
5,800.0	5,785.9	5,794.1	5,792.7	14.7	13.0	-177.42	114.8	-26.7	281.2	255.1	10.749		
5,900.0	5,885.7	5,894.0	5,892.5	14.9	13.3	-177.46	117.1	-27.0	285.9	259.3	10.741		
6,000.0	5,985.4	5,993.9	5,992.4	15.2	13.5	-177.50	119.5	-27.3	290.6	263.5	10.734		
6,100.0	6,085.2	6,093.8	6,092.2	15.4	13.7	-177.54	121.9	-27.6	295.3	267.8	10.727		
6,200.0	6,184.9	6,193.7	6,192.1	15.7	14.0	-177.58	124.3	-27.9	300.0	272.0	10.720		
6,300.0	6,284.7	6,293.6	6,292.0	16.0	14.2	-177.62	126.6	-28.2	304.7	276.3	10.714		
6,400.0	6,384.4	6,393.5	6,391.8	16.2	14.4	-177.66	129.0	-28.4	309.4	280.5	10.707		
6,499.4	6,483.6	6,492.7	6,491.1	16.5	14.6	-177.70	131.3	-28.7	314.0	284.7	10.701		
6,600.0	6,584.0	6,593.3	6,591.6	16.7	14.9	-177.72	133.7	-29.0	317.4	287.7	10.658		
6,700.0	6,684.0	6,691.1	6,689.3	16.9	15.1	-177.73	136.0	-29.3	318.3	288.1	10.556		
6,770.0	6,754.0	6,755.7	6,754.0	17.0	15.2	175.31	136.5	-29.3	318.3	288.0	10.486		
6,800.0	6,784.0	6,755.7	6,754.0	17.0	15.2	175.31	136.5	-29.3	319.8	289.3	10.512		
6,900.0	6,884.0	6,755.7	6,754.0	17.2	15.2	175.31	136.5	-29.3	343.9	313.2	11.224		
7,000.0	6,984.0	6,755.7	6,754.0	17.4	15.2	175.31	136.5	-29.3	392.7	361.9	12.728		
7,100.0	7,084.0	6,755.7	6,754.0	17.6	15.2	175.31	136.5	-29.3	458.5	427.4	14.755		
7,200.0	7,184.0	6,755.7	6,754.0	17.8	15.2	175.31	136.5	-29.3	535.0	503.7	17.095		
7,300.0	7,284.0	6,755.7	6,754.0	18.0	15.2	175.31	136.5	-29.3	618.2	586.7	19.618		
7,400.0	7,384.0	6,755.7	6,754.0	18.2	15.2	175.31	136.5	-29.3	705.8	674.1	22.243		
7,500.0	7,484.0	6,755.7	6,754.0	18.4	15.2	175.31	136.5	-29.3	796.4	764.4	24.923		
7,600.0	7,584.0	6,755.7	6,754.0	18.6	15.2	175.31	136.5	-29.3	888.9	856.7	27.629		
7,700.0	7,684.0	6,755.7	6,754.0	18.8	15.2	175.31	136.5	-29.3	982.9	950.5	30.344		
7,800.0	7,784.0	6,755.7	6,754.0	19.0	15.2	175.31	136.5	-29.3	1,078.0	1,045.4	33.055		
7,900.0	7,884.0	6,755.7	6,754.0	19.2	15.2	175.31	136.5	-29.3	1,173.9	1,141.1	35.755		
8,000.0	7,984.0	6,755.7	6,754.0	19.4	15.2	175.31	136.5	-29.3	1,270.5	1,237.4	38.437		
8,100.0	8,084.0	6,755.7	6,754.0	19.6	15.2	175.31	136.5	-29.3	1,367.5	1,334.3	41.098		
8,200.0	8,184.0	6,755.7	6,754.0	19.8	15.2	175.31	136.5	-29.3	1,465.0	1,431.5	43.737		
8,300.0	8,284.0	6,755.7	6,754.0	20.0	15.2	175.31	136.5	-29.3	1,562.7	1,529.0	46.350		
8,400.0	8,384.0	6,755.7	6,754.0	20.2	15.2	175.31	136.5	-29.3	1,660.8	1,626.8	48.937		
8,500.0	8,484.0	6,755.7	6,754.0	20.4	15.2	175.31	136.5	-29.3	1,759.0	1,724.8	51.497		
8,600.0	8,584.0	6,755.7	6,754.0	20.6	15.2	175.31	136.5	-29.3	1,857.4	1,823.1	54.029		
8,700.0	8,684.0	6,755.7	6,754.0	20.8	15.2	175.31	136.5	-29.3	1,956.0	1,921.4	56.533		
8,800.0	8,784.0	6,755.7	6,754.0	21.0	15.2	175.31	136.5	-29.3	2,054.8	2,019.9	59.010		
8,900.0	8,884.0	6,755.7	6,754.0	21.2	15.2	175.31	136.5	-29.3	2,153.6	2,118.6	61.458		
9,000.0	8,984.0	6,755.7	6,754.0	21.4	15.2	175.31	136.5	-29.3	2,252.6	2,217.3	63.878		
9,100.0	9,084.0	6,755.7	6,754.0	21.7	15.2	175.31	136.5	-29.3	2,351.6	2,316.1	66.271		
9,200.0	9,184.0	6,755.7	6,754.0	21.9	15.2	175.31	136.5	-29.3	2,450.7	2,415.0	68.636		
9,253.0	9,237.0	6,755.7	6,754.0	22.0	15.2	175.31	136.5	-29.3	2,503.3	2,467.5	69.879		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-4.6	-5.9	7.5	7.3	33.368		
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-4.6	-5.9	7.5	7.2	23.834		
200.0	200.0	199.7	199.6	0.3	0.3	-138.56	-6.2	-5.8	9.9	9.2	14.446		
236.0	235.9	235.3	235.2	0.5	0.4	-149.60	-8.0	-5.7	13.2	12.3	15.000		
300.0	299.7	298.0	297.8	0.6	0.6	-161.41	-12.9	-5.4	22.0	20.8	18.483		
400.0	399.5	394.7	393.8	0.8	0.8	-168.97	-24.3	-4.6	40.4	38.7	24.208		
500.0	499.2	490.0	487.7	1.1	1.2	-172.15	-40.1	-3.6	63.8	61.6	29.572		
600.0	599.0	586.8	582.9	1.3	1.5	-173.72	-57.7	-2.4	88.8	86.2	34.200		
700.0	698.7	683.6	678.0	1.6	1.9	-174.59	-75.3	-1.3	113.9	110.8	37.449		
800.0	798.5	780.4	773.2	1.8	2.3	-175.15	-92.8	-0.1	139.0	135.5	39.787		
900.0	898.2	877.2	868.4	2.1	2.7	-175.54	-110.4	1.0	164.0	160.1	41.538		
1,000.0	998.0	974.0	963.6	2.4	3.1	-175.82	-128.0	2.2	189.1	184.7	42.892		
1,100.0	1,097.7	1,070.7	1,058.8	2.6	3.5	-176.04	-145.5	3.3	214.2	209.3	43.969		
1,200.0	1,197.5	1,167.5	1,154.0	2.9	3.9	-176.21	-163.1	4.5	239.3	234.0	44.826		
1,300.0	1,297.2	1,264.3	1,249.1	3.1	4.3	-176.35	-180.7	5.6	264.4	258.6	45.556		
1,400.0	1,397.0	1,361.1	1,344.3	3.4	4.7	-176.47	-198.3	6.8	289.5	283.2	46.163		
1,500.0	1,496.7	1,457.9	1,439.5	3.6	5.1	-176.57	-215.8	8.0	314.6	307.8	46.679		
1,600.0	1,596.5	1,554.7	1,534.7	3.9	5.5	-176.65	-233.4	9.1	339.7	332.5	47.123		
1,700.0	1,696.2	1,651.5	1,629.9	4.2	5.9	-176.72	-251.0	10.3	364.8	357.1	47.509		
1,800.0	1,796.0	1,748.3	1,725.1	4.4	6.3	-176.78	-268.5	11.4	389.9	381.7	47.848		
1,900.0	1,895.7	1,845.1	1,820.2	4.7	6.7	-176.84	-286.1	12.6	415.0	406.4	48.148		
2,000.0	1,995.5	1,941.9	1,915.4	4.9	7.1	-176.89	-303.7	13.7	440.1	431.0	48.414		
2,100.0	2,095.2	2,038.7	2,010.6	5.2	7.5	-176.93	-321.2	14.9	465.2	455.6	48.653		
2,200.0	2,195.0	2,135.5	2,105.8	5.4	7.9	-176.97	-338.8	16.0	490.3	480.2	48.869		
2,300.0	2,294.7	2,232.3	2,201.0	5.7	8.3	-177.00	-356.4	17.2	515.4	504.9	49.064		
2,400.0	2,394.5	2,329.1	2,296.2	6.0	8.7	-177.04	-374.0	18.4	540.5	529.5	49.241		
2,500.0	2,494.2	2,425.9	2,391.3	6.2	9.1	-177.06	-391.5	19.5	565.6	554.1	49.403		
2,600.0	2,594.0	2,522.7	2,486.5	6.5	9.5	-177.09	-409.1	20.7	590.7	578.7	49.552		
2,700.0	2,693.7	2,619.5	2,581.7	6.7	9.9	-177.12	-426.7	21.8	615.8	603.4	49.688		
2,800.0	2,793.5	2,716.3	2,676.9	7.0	10.3	-177.14	-444.2	23.0	640.9	628.0	49.815		
2,900.0	2,893.2	2,813.1	2,772.1	7.2	10.7	-177.16	-461.8	24.1	666.0	652.6	49.931		
3,000.0	2,993.0	2,909.9	2,867.3	7.5	11.1	-177.18	-479.4	25.3	691.1	677.2	50.040		
3,100.0	3,092.7	3,006.7	2,962.4	7.7	11.5	-177.20	-497.0	26.5	716.2	701.9	50.141		
3,200.0	3,192.5	3,103.5	3,057.6	8.0	11.9	-177.21	-514.5	27.6	741.3	726.5	50.236		
3,300.0	3,292.2	3,200.3	3,152.8	8.3	12.3	-177.23	-532.1	28.8	766.4	751.1	50.324		
3,400.0	3,392.0	3,297.1	3,248.0	8.5	12.7	-177.24	-549.7	29.9	791.5	775.8	50.407		
3,500.0	3,491.7	3,393.9	3,343.2	8.8	13.1	-177.26	-567.2	31.1	816.6	800.4	50.484		
3,600.0	3,591.5	3,490.7	3,438.4	9.0	13.5	-177.27	-584.8	32.2	841.7	825.0	50.558		
3,700.0	3,691.2	3,587.5	3,533.5	9.3	13.9	-177.28	-602.4	33.4	866.8	849.6	50.627		
3,800.0	3,791.0	3,684.3	3,628.7	9.5	14.3	-177.29	-620.0	34.5	891.9	874.3	50.692		
3,900.0	3,890.7	3,781.1	3,723.9	9.8	14.7	-177.30	-637.5	35.7	916.9	898.9	50.754		
4,000.0	3,990.5	3,877.9	3,819.1	10.1	15.1	-177.31	-655.1	36.9	942.0	923.5	50.812		
4,100.0	4,090.2	3,974.7	3,914.3	10.3	15.5	-177.32	-672.7	38.0	967.1	948.1	50.867		
4,200.0	4,190.0	4,071.5	4,009.5	10.6	15.9	-177.33	-690.2	39.2	992.2	972.8	50.920		
4,300.0	4,289.7	4,168.3	4,104.6	10.8	16.3	-177.34	-707.8	40.3	1,017.3	997.4	50.970		
4,400.0	4,389.5	4,265.1	4,199.8	11.1	16.7	-177.35	-725.4	41.5	1,042.4	1,022.0	51.018		
4,500.0	4,489.2	4,361.9	4,295.0	11.3	17.1	-177.36	-743.0	42.6	1,067.5	1,046.6	51.063		
4,600.0	4,589.0	4,458.7	4,390.2	11.6	17.5	-177.37	-760.5	43.8	1,092.6	1,071.3	51.107		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Puckett WGV 21-23-697 Pad - Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs	
Reference		Offset		Semi Major Axis			Distance					Inter-Site Error: 0.0 ft	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning	
4,700.0	4,688.7	4,555.5	4,485.4	11.9	17.9	-177.37	-778.1	44.9	1,117.7	1,095.9	51.148		
4,800.0	4,788.4	4,652.3	4,580.6	12.1	18.3	-177.38	-795.7	46.1	1,142.8	1,120.5	51.188		
4,900.0	4,888.2	4,749.1	4,675.7	12.4	18.7	-177.39	-813.2	47.3	1,167.9	1,145.1	51.226		
5,000.0	4,987.9	4,845.9	4,770.9	12.6	19.1	-177.39	-830.8	48.4	1,193.0	1,169.8	51.262		
5,100.0	5,087.7	4,942.7	4,866.1	12.9	19.5	-177.40	-848.4	49.6	1,218.1	1,194.4	51.297		
5,200.0	5,187.4	5,039.5	4,961.3	13.1	19.9	-177.40	-866.0	50.7	1,243.2	1,219.0	51.330		
5,300.0	5,287.2	5,136.3	5,056.5	13.4	20.3	-177.41	-883.5	51.9	1,268.3	1,243.7	51.363		
5,400.0	5,386.9	5,233.1	5,151.7	13.7	20.7	-177.42	-901.1	53.0	1,293.4	1,268.3	51.394		
5,500.0	5,486.7	5,329.9	5,246.8	13.9	21.1	-177.42	-918.7	54.2	1,318.5	1,292.9	51.423		
5,600.0	5,586.4	5,426.7	5,342.0	14.2	21.5	-177.43	-936.2	55.4	1,343.6	1,317.5	51.452		
5,700.0	5,686.2	5,523.5	5,437.2	14.4	21.9	-177.43	-953.8	56.5	1,368.7	1,342.2	51.480		
5,800.0	5,785.9	5,620.3	5,532.4	14.7	22.3	-177.44	-971.4	57.7	1,393.8	1,366.8	51.506		
5,900.0	5,885.7	5,717.1	5,627.6	14.9	22.7	-177.44	-989.0	58.8	1,418.9	1,391.4	51.532		
6,000.0	5,985.4	5,813.9	5,722.8	15.2	23.1	-177.44	-1,006.5	60.0	1,444.0	1,416.0	51.557		
6,100.0	6,085.2	5,910.7	5,817.9	15.4	23.5	-177.45	-1,024.1	61.1	1,469.1	1,440.7	51.581		
6,200.0	6,184.9	6,007.5	5,913.1	15.7	23.9	-177.45	-1,041.7	62.3	1,494.2	1,465.3	51.604		
6,300.0	6,284.7	6,104.3	6,008.3	16.0	24.3	-177.46	-1,059.2	63.4	1,519.3	1,489.9	51.626		
6,400.0	6,384.4	6,231.7	6,133.7	16.2	24.7	-177.46	-1,081.6	64.9	1,544.0	1,514.0	51.550		
6,499.4	6,483.6	6,395.5	6,295.9	16.5	25.1	-177.47	-1,104.7	66.4	1,565.0	1,534.5	51.317		
6,600.0	6,584.0	6,564.5	6,464.0	16.7	25.4	-177.49	-1,121.2	67.5	1,580.6	1,549.5	50.836		
6,700.0	6,684.0	6,734.8	6,634.1	16.9	25.7	-177.50	-1,130.3	68.1	1,589.1	1,557.4	50.258		
6,770.0	6,754.0	6,854.7	6,754.0	17.0	25.8	175.54	-1,132.2	68.2	1,590.8	1,558.8	49.754		
6,800.0	6,784.0	6,855.5	6,754.8	17.0	25.8	175.54	-1,132.2	68.2	1,591.1	1,559.0	49.672		
6,900.0	6,884.0	6,855.5	6,754.8	17.2	25.8	175.54	-1,132.2	68.2	1,596.0	1,563.8	49.489		
7,000.0	6,984.0	6,855.5	6,754.8	17.4	25.8	175.54	-1,132.2	68.2	1,607.2	1,574.8	49.500		
7,100.0	7,084.0	6,855.5	6,754.8	17.6	25.8	175.54	-1,132.2	68.2	1,624.5	1,591.8	49.696		
7,200.0	7,184.0	6,855.5	6,754.8	17.8	25.8	175.54	-1,132.2	68.2	1,647.7	1,614.8	50.069		
7,300.0	7,284.0	6,855.5	6,754.8	18.0	25.8	175.54	-1,132.2	68.2	1,676.5	1,643.4	50.608		
7,400.0	7,384.0	6,855.5	6,754.8	18.2	25.8	175.54	-1,132.2	68.2	1,710.7	1,677.4	51.300		
7,500.0	7,484.0	6,855.5	6,754.8	18.4	25.8	175.54	-1,132.2	68.2	1,750.0	1,716.4	52.133		
7,600.0	7,584.0	6,855.5	6,754.8	18.6	25.8	175.54	-1,132.2	68.2	1,793.9	1,760.2	53.095		
7,700.0	7,684.0	6,855.5	6,754.8	18.8	25.8	175.54	-1,132.2	68.2	1,842.3	1,808.3	54.174		
7,800.0	7,784.0	6,855.5	6,754.8	19.0	25.8	175.54	-1,132.2	68.2	1,894.7	1,860.5	55.356		
7,900.0	7,884.0	6,855.5	6,754.8	19.2	25.8	175.54	-1,132.2	68.2	1,950.8	1,916.4	56.632		
8,000.0	7,984.0	6,855.5	6,754.8	19.4	25.8	175.54	-1,132.2	68.2	2,010.4	1,975.7	57.989		
8,100.0	8,084.0	6,855.5	6,754.8	19.6	25.8	175.54	-1,132.2	68.2	2,073.0	2,038.1	59.418		
8,200.0	8,184.0	6,855.5	6,754.8	19.8	25.8	175.54	-1,132.2	68.2	2,138.5	2,103.4	60.910		
8,300.0	8,284.0	6,855.5	6,754.8	20.0	25.8	175.54	-1,132.2	68.2	2,206.6	2,171.3	62.457		
8,400.0	8,384.0	6,855.5	6,754.8	20.2	25.8	175.54	-1,132.2	68.2	2,277.0	2,241.5	64.050		
8,500.0	8,484.0	6,855.5	6,754.8	20.4	25.8	175.54	-1,132.2	68.2	2,349.6	2,313.9	65.684		
8,600.0	8,584.0	6,855.5	6,754.8	20.6	25.8	175.54	-1,132.2	68.2	2,424.2	2,388.2	67.352		
8,700.0	8,684.0	6,855.5	6,754.8	20.8	25.8	175.54	-1,132.2	68.2	2,500.5	2,464.3	69.048		
8,800.0	8,784.0	6,855.5	6,754.8	21.0	25.8	175.54	-1,132.2	68.2	2,578.4	2,542.0	70.768		
8,900.0	8,884.0	6,855.5	6,754.8	21.2	25.8	175.54	-1,132.2	68.2	2,657.8	2,621.2	72.507		
9,000.0	8,984.0	6,855.5	6,754.8	21.4	25.8	175.54	-1,132.2	68.2	2,738.6	2,701.7	74.262		
9,100.0	9,084.0	6,855.5	6,754.8	21.7	25.8	175.54	-1,132.2	68.2	2,820.6	2,783.5	76.029		
9,200.0	9,184.0	6,855.5	6,754.8	21.9	25.8	175.54	-1,132.2	68.2	2,903.7	2,866.4	77.805		
9,253.0	9,237.0	6,855.5	6,754.8	22.0	25.8	175.54	-1,132.2	68.2	2,948.2	2,910.8	78.750		

WILLIAMS COMPANIES, INC.

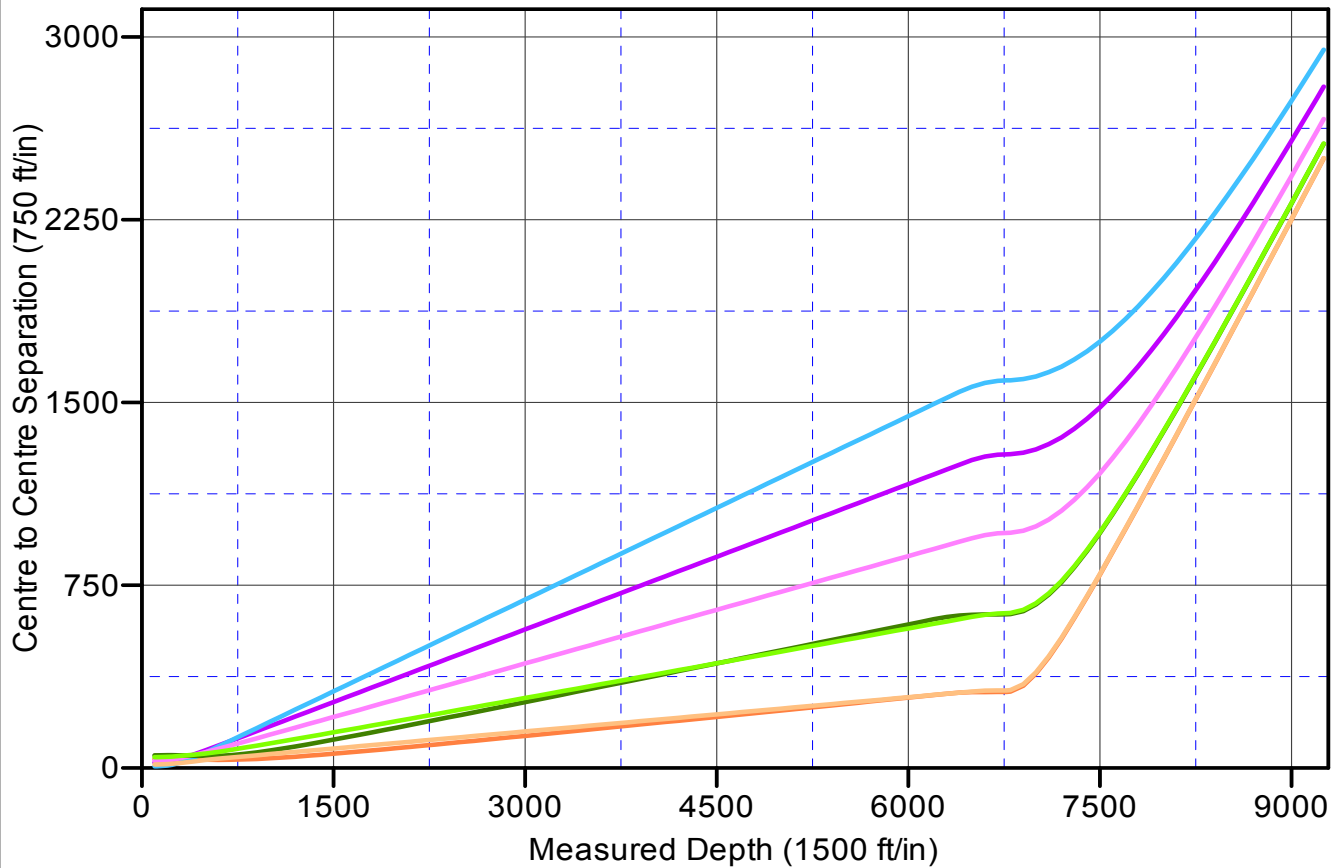
Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 21-23-697 - Slot A1
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Nabors 319)
Reference Well:	Puckett WGV 21-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Vertical Depths are relative to WELL @ 8593.0ft (Nabors 319). Northing and Easting are relative to Puckett WGV 21-23-697 - Slot A1

Coordinate System is US State Plane 1927 (Exact solution), Colorado Central 502

Central Meidian is 105° 30' 0.000 W °, Grid Convergence at Surface is: -1.70°



LEGEND

1-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 422-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 322-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 421-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 521-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0

GEOLOGIC & DRILLING PROGNOSIS

WELL NAME: Puckett WGV 21-23-697 LOCATION: Sec 23-6S-97W
Deviated Hole Surface: NE-NW 1182' FNL X 2003' FWL
PAD: WGV 21-23-697 Bottom hole: NE-NW 729' FNL X 1949' FWL
COUNTY: GARFIELD STATE: COLORADO
ELEVATION: Graded Elev. 8577 Ungraded Elev. 8581.1 KELLY BUSHING: 8594
Rig : 17' KB
ESTIMATE TOPS:
Formation MD TVD
Mahogany 869 867 E
Orange Marker 2281 2276 E
Wasatch 2496 2490 E
G' Sand 4546 4535 E
Ft. Union 4891 4879 E
Mesaverde 6119 6104 E
Approx. Top Gas 6770 6754 E
Cameo Coals 8574 8558 E
Rollins SS 9003 8987 E
TD 9253 9237

MUD LOGGING: 4246 to TD. (One man logging unit with at least total gas, lithology, and drill rate.)

LOGGING PROGRAM: OPEN HOLE - Triple Combo - (Induction-Neutron-Density-GR-SP) from TD to base of surf casing.
GR to surface.
& CASSED HOLE - RMT - from TD to 100' above the Mesaverde top and 200' below G Sand to 200' above G Sand

CSG & CEMENT PROGRAM: SHOE TEST REQUIRED (10-ACRE 2003 FEE LANDS)					
	<u>csg size (in)</u>	<u>depth set at</u>	<u>hole size (in)</u>	<u>Volume cf</u>	<u>WOC (hrs)</u>
Conductor					
Surface	9 5/8	2746	14 3/4	1856	8
Intermediate					
Liner or Production	4 1/2	9253	7 7/8	As determined at TD	

MUD PROGRAM: (Do not deviate from mud engineer's recommendation without prior consent from Denver office)

<u>FROM</u>	<u>TO</u>	<u>TYPE MUD</u>	<u>#/GAL</u>	<u>VIS</u>	<u>WL</u>	<u>CHEMICALS</u>
0	2746	Air/Mist	Water/Air	45-50		
2746	9253	LSND	8.5-9.0	40-50	8-10	

(Write mud added to system on tour sheets and report all mud mixed and daily cost in morning report)

LOST CIRCULATION: Report depth and bbls of mud lost on morning report and tour sheet - Any severe lost circulation problems should be reported immediately to well supervisor.

WILLIAMS GEOLOGISTS:	Office	Home	Cell	E-Mail
Mark King	303- 606-4375	720-962-9163	303-910-8786	mark.g.king@williams.com
Paul Kovach	303- 606-4255	303-235-0304	303-907-1618	



Williams Production RMT

Puckett WGV 21-23-697

**SST
53**

Sec 23 T6S R97W

Garfield / Colorado

September 27, 2007

ADVANTAGE DRILLING FLUIDS



Scot Stretch
Advantage Drilling Fluids
1831 Left Hand Circle, Suite C
Longmont, CO 80501

9/27/2007

Allan Scharf
Sr. Drilling Engineer
Williams Production RMT
1515 Arapahoe St., Suite 1000
Denver, CO 80202

Drilling Fluids Recap

Mr. Scharf

Advantage Drilling Fluids would like to thank Willaims for the opportunity to work on this project. Attached is the Drilling Fluids Recap for the Puckett WGV 21-23-697 well. If you have any questions or concerns please contact myself or anyone else at Advantage Drilling Fluids.

Thank you again and we look forward to working with you in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'S Stretch'.

Scot Stretch
Business Development
O (303) 872-2700
C (303) 818-2667
scot.stretch@advantagedrillingfluids.com



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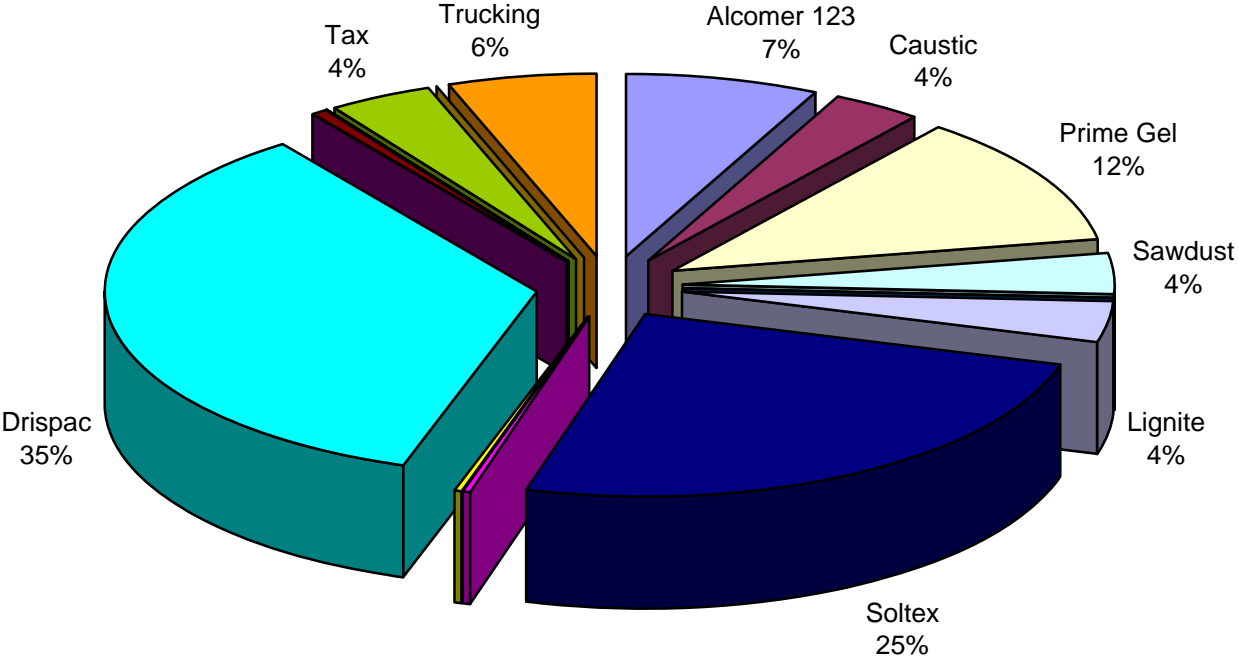
Interval Discution

Days vs Depth Graph

Cost vs Depth Graph

[illegible]

Cost Breakdown Graph
Puckett WGV 21-23-697



Daily Mud Rpt Remarks
9/13/2007
To Drill Surface Build and maintain a 36-38 VIS, Water 8-10 GPM and all solids control equipment for weight and volume while drilling. Maintain a 10.5 pH, Keep the mud weight as low as possible while drilling. Treat seepage and losses with sawdust as nee
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9/15/2007
Maintain a 38-40 VIS, Water 8-10 GPM and all solids control equipment for weight and volume while drilling. Maintain a 10.5 - 11.0 pH, Keep the mud weight as low as possible while drilling. Treat seepage and losses with sawdust as needed. Gel as needed
9/16/2007
To drill out - build and maintain a 60-65 VIS, Water 5-7 GPM and all solids control equipment for weight and volume control while drilling. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.4. Treat seepage and losses with sawdust as needed. G
9/17/2007
To drill out - build and maintain a 70 VIS, Water 5-7 GPM and all solids control equipment for weight and volume control while drilling. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tour @ 1.5 hrs per s
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While Drilling build and maintain a 70 VIS, Water 5-7 GPM and all solids control equipment for weight and volume control while drilling. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tour @ 1.5 hrs per s
9/19/2007
While Drilling build and maintain a 100+ VIS as per Co. Man, Water 5-7 GPM and all solids control equipment for weight and volume control while drilling. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tou
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9/22/2007
While Drilling build and maintain a 100+ VIS as per Co. Man, Water 5-7 GPM and all solids control equipment for weight and volume control while drilling. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tou
9/23/2007

Maintain a 100+ VIS for logs and to run casing, While on bottom circulate for 2-3 circulations prior to TOOH for logs. Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tour @ 1.5 hrs per sk, 10 sx Soltex / T

9/24/2007

Maintain a 100+ VIS for logs and to run casing, Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 5 sx Drispac / Tour @ 1.5 hrs per sk, 5 sx Soltex / Tour @ 1.5 per sk, 5 sx Lignite / Tour @ 1.5 hrs per sk, Monitor pits for

9/25/2007

Maintain a 120+ VIS for logs and to run casing, Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tour @ 1.5 hrs per sk, 10 sx Soltex / Tour @ 1.5 per sk, 10 sx Lignite / Tour @ 1.5 hrs per sk, Monitor pits f

9/26/2007

End of Well

Daily Mud Materials Comments

9/13/2007

Rig up to skid rig to new well

9/14/2007

Drilling surface at 536' MD at report time, finished with repairs to #1 pump.

9/15/2007

Drilling surface at 2,219' MD at report time, rebuilding pit volume after losses.

9/16/2007

Surface casing set at 2790'. Pumping cement for surface casing at report time. Building pit volume after losses. Prior to drilling - add 3 sx Bicarb, while drilling add 5 sx bicarb 15 min per sk. In active

9/17/2007

Surface casing set at 2790'. Prior to drilling - add 3 sx Bicarb, while drilling add 5 sx bicarb 15 min per sk. In active system, prior to drillout add: 15 sx DRISPAC 15 min per sk, 15 sx SOLTEX 15 min per sk, 15 sx Lignite 15 min per sk.

9/18/2007

Drilled to 3689' MD @ report time.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

9/19/2007

Drilled to 4737' MD @ report time.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

9/20/2007

Drilled to 5478' MD @ report time.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

9/21/2007

Drilled to 7132' MD @ report time.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

9/22/2007

Drilled to 8583' MD @ report time.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

9/23/2007

Drilled to 9260' MD @ report time. Tripped into the surface casing and TIH to make wiper trip for logs.

For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

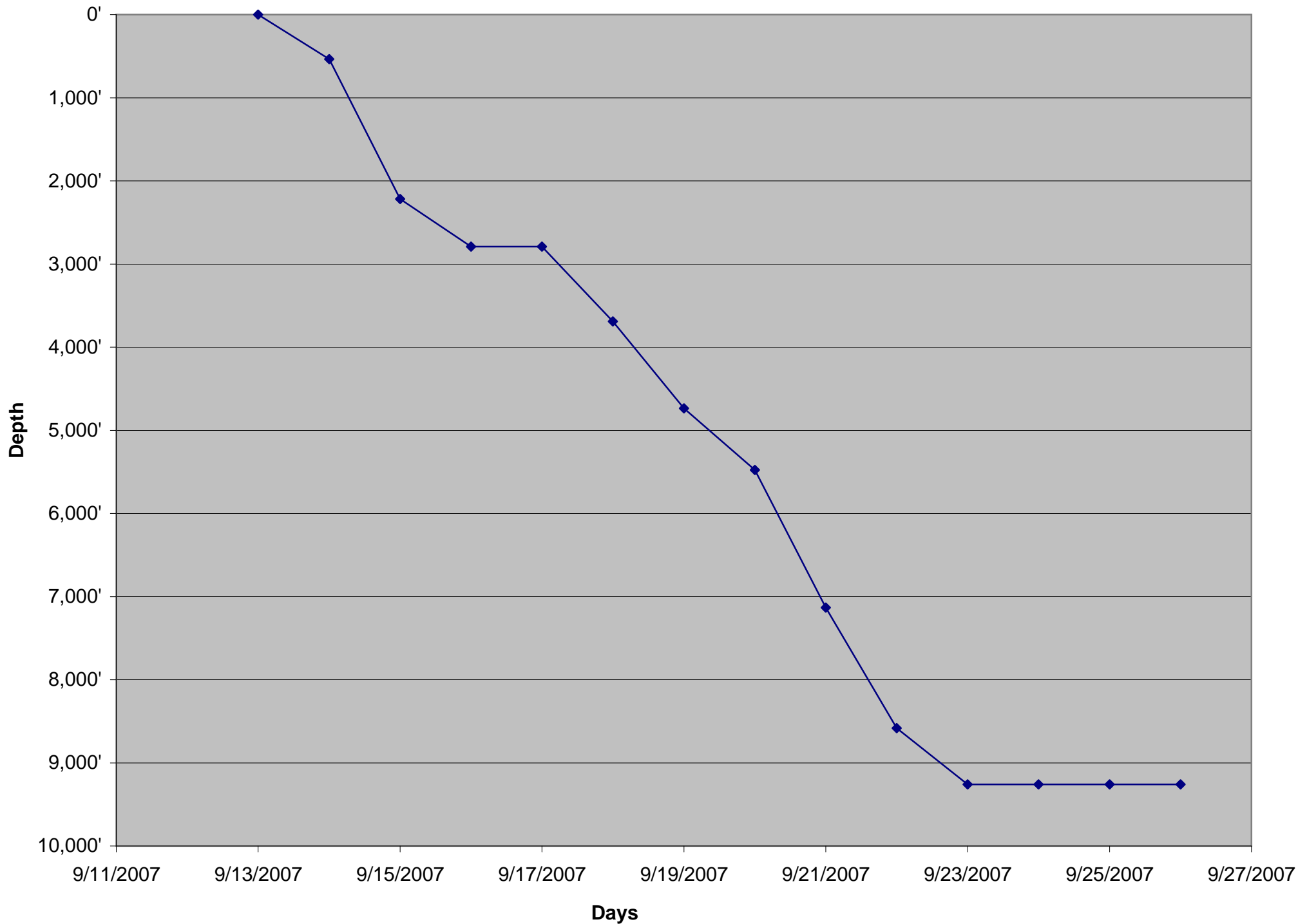
9/24/2007

Drilled to 9260' MD @ report time. Tripped in to circulate and TOH to LDDP

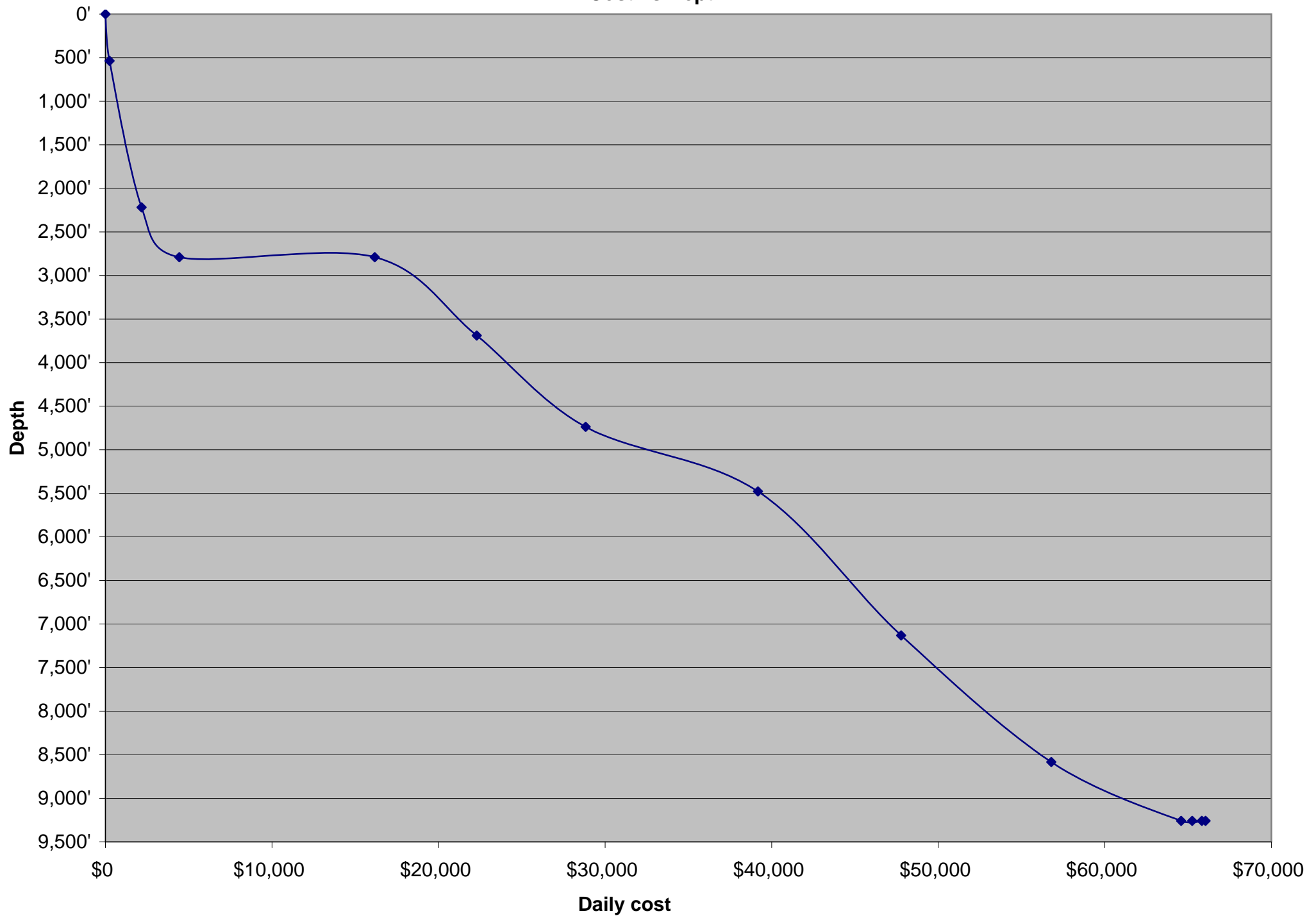
For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

Daily Mud Materials Comments Continued
9/25/2007
Drilled to 9260' MD @ report time. Rig down Loggers to Rig up Casers to Run Production Casing
For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.
Maintain current VIS and Mud Weight to run casing When casi
9/26/2007
End of Well, mud tanks drained to clean for Rig move.

Days vs Depth



Cost vs Depth



[illegible]

	42	Bottom Up Strks (X20)
	43	Bottoms Up Min(Y20)
	44	Surface to Bit Strokes(X21)
	45	Surface to Bit Min. (Y21)
	46	TTL Circ. Strokes (X22)
	47	TTL Circ. Min.(Y22)
	48	Sample Taken Temp.(D23)
	49	Time(H24)
	50	Depth(H25)
	51	Mud Weight(H26)
	52	Mud Grad. (H27)
	53	FV (H28)
	54	PV(H29)
	55	YP(H30)
	56	Gels 10sec/10min/30 min(H31)
	57	Fluid Loss(H32)
	58	Filter Cake 1/32 (H33)
	59	pH (H34)
	60	PM (H35)
	61	pf/mf (H36)
	62	Sand Cont.%(H37)
	63	Solid Cont. %(H38)
	64	Water Cont. (H39)
	65	Oil Cont. (H40)
	66	T. Hardness (H41)
	67	MBT (H42)
	68	Salinity (H43)
	69	Low Gravity Solids (H44)
	70	High Gravity Solids (H45)
	71	1 (H46)
	72	2 (H47)
	73	3 (H48)
	74	4 (H49)
	75	5 (H50)
	76	6 (H51)
	77	7 (H52)
	78	8 (H53)
	79	9 (H54)
	80	10 (H55)
	81	11 (H56)
	82	Shaker #1 Brand (O24)
	83	Shaker #1 API (P24)
	84	Shaker #1 Hrs. (R 24)

Shaker #2 Brand (O25)	85
Shaker #2 API (P25)	86
Shaker #2 Hrs. (R25)	87
Shaker #3 Brand (O26)	88
Shaker #3 API (P26)	89
Shaker #3 Hrs. (R26)	90
Shaker #4 Brand(V24)	91
Shaker #4 API (X24)	92
Shaker #4 Hrs. Y24)	93
Mud Cleaner Brand (V25)	94
Mud Cleaner API (X25)	95
Mud Cleaner Hrs. (Y25)	96
Centrifuge Brand #1 (V26)	97
Centrifuge Brand #2 (X26)	98
Centrifuge Hrs (Y26)	99

		100
		Mud Materials Comment (B58)

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Remarks (B65)	Cum.Cost w/o Trucking (N57)	TTL Trucking (T57)	Daily Cost (Y57)	Mud Recd (X60)	Mud Made (X61)	Water Used (X62)	Loss Downhole(X64)	SC Equipment (X65)	Loss Other(X66)	TTL Loss (X67)	Time 1 (F69)	Time 2 (F70)	Time 3 (F71)	Time 4 (F72)	Time 5 (F73)	Time 6 (F74)	Time 7 (F75)	TTL Time F76)	D- Sander under flow (K69)	D-Silter Underflow (K70)	Mud Cleaner Underflow (K71)	Hole Cleaning DC/OH Angle (H74)	Hole Cleaning DC/OH Trans Ration (I74)	Hole Cleaning HW/OH Angle (H75)	Hole Cleaning HW/OH Trans Ratio (I75)	Hole Cleaning DP csg Angle (H76)	Hole Cleaning DP csg Trans Ratio (H76)	n Factor (N69)	K factor (N70)	Avg Rop (P70)	ECD ppg (Y69)	Leak off Test ppg (Y70)	Pres. Loss (P72)	% PL (R72)	H-HP (T72)	Jet Vel (V72)	Impact Force (X72)	IF/in² (Y72)	R600 (O74)



Williams Production RMT

Puckett WGV 21-23-697

**SST
53**

Sec 23 T6S R97W

Garfield / Colorado

September 27, 2007

ADVANTAGE DRILLING FLUIDS



Scot Stretch
Advantage Drilling Fluids
1831 Left Hand Circle, Suite C
Longmont, CO 80501

9/27/2007

Allan Scharf
Sr. Drilling Engineer
Williams Production RMT
1515 Arapahoe St., Suite 1000
Denver, CO 80202

Drilling Fluids Recap

Mr. Scharf

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Thank you again and we look forward to working with you in the future.

Sincerely,

A handwritten signature in black ink that reads "S Stretch".

Scot Stretch
Business Development
O (303) 872-2700
C (303) 818-2667
scot.stretch@advantagedrillingfluids.com



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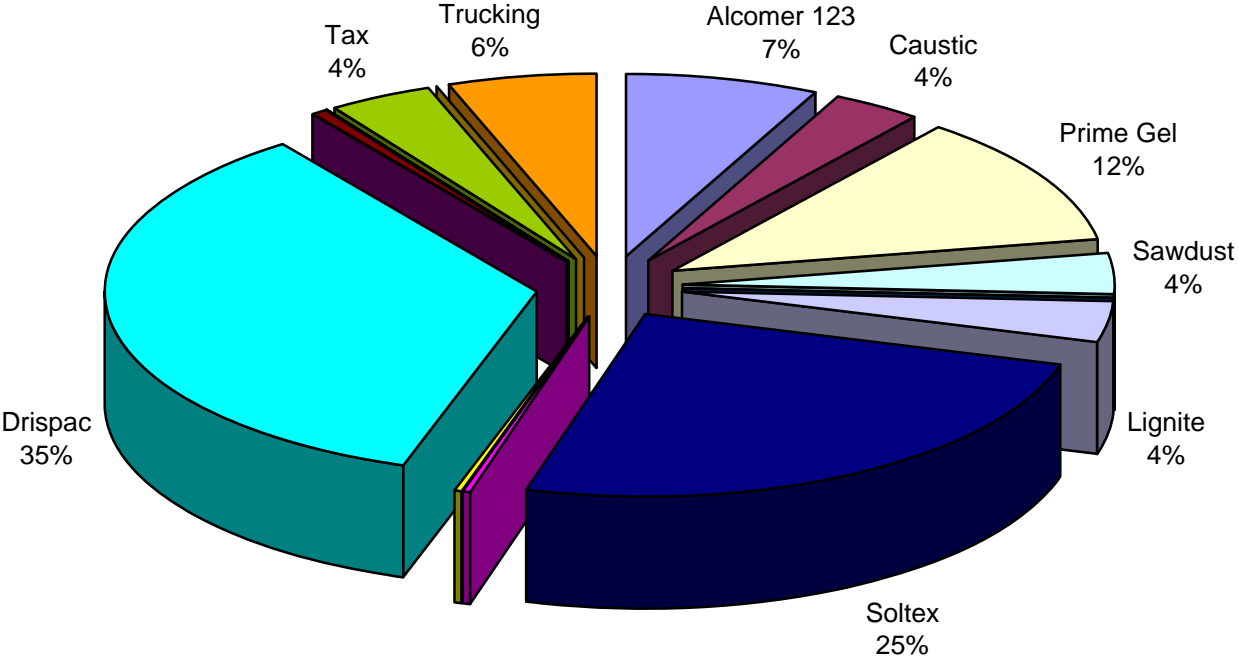
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9/25/2007

Maintain a 120+ VIS for logs and to run casing, Maintain a 10.5 - 11.0 pH. Keep the mud weight as low 9.0-9.2. Tourly Treatment 10 sx Drispac / Tour @ 1.5 hrs per sk, 10 sx Soltex / Tour @ 1.5 per sk, 10 sx Lignite / Tour @ 1.5 hrs per sk, Monitor pits f

9/26/2007

End of Well

Daily Mud Materials Comments

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Rig up to skid rig to new well

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Drilling surface at 536' MD at report time, finished with repairs to #1 pump.

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For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

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For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.

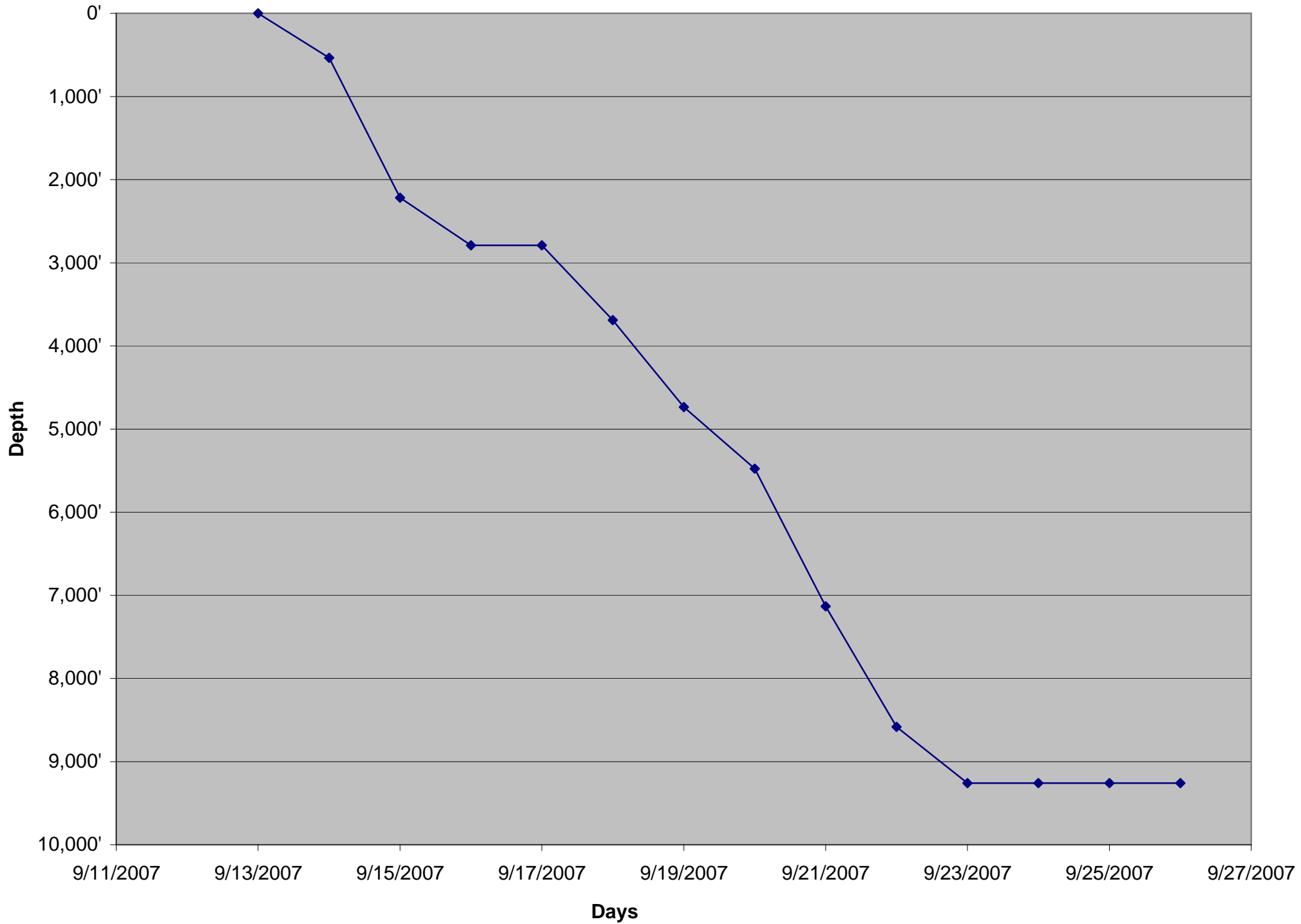
9/24/2007

Drilled to 9260' MD @ report time. Tripped in to circulate and TOH to LDDP

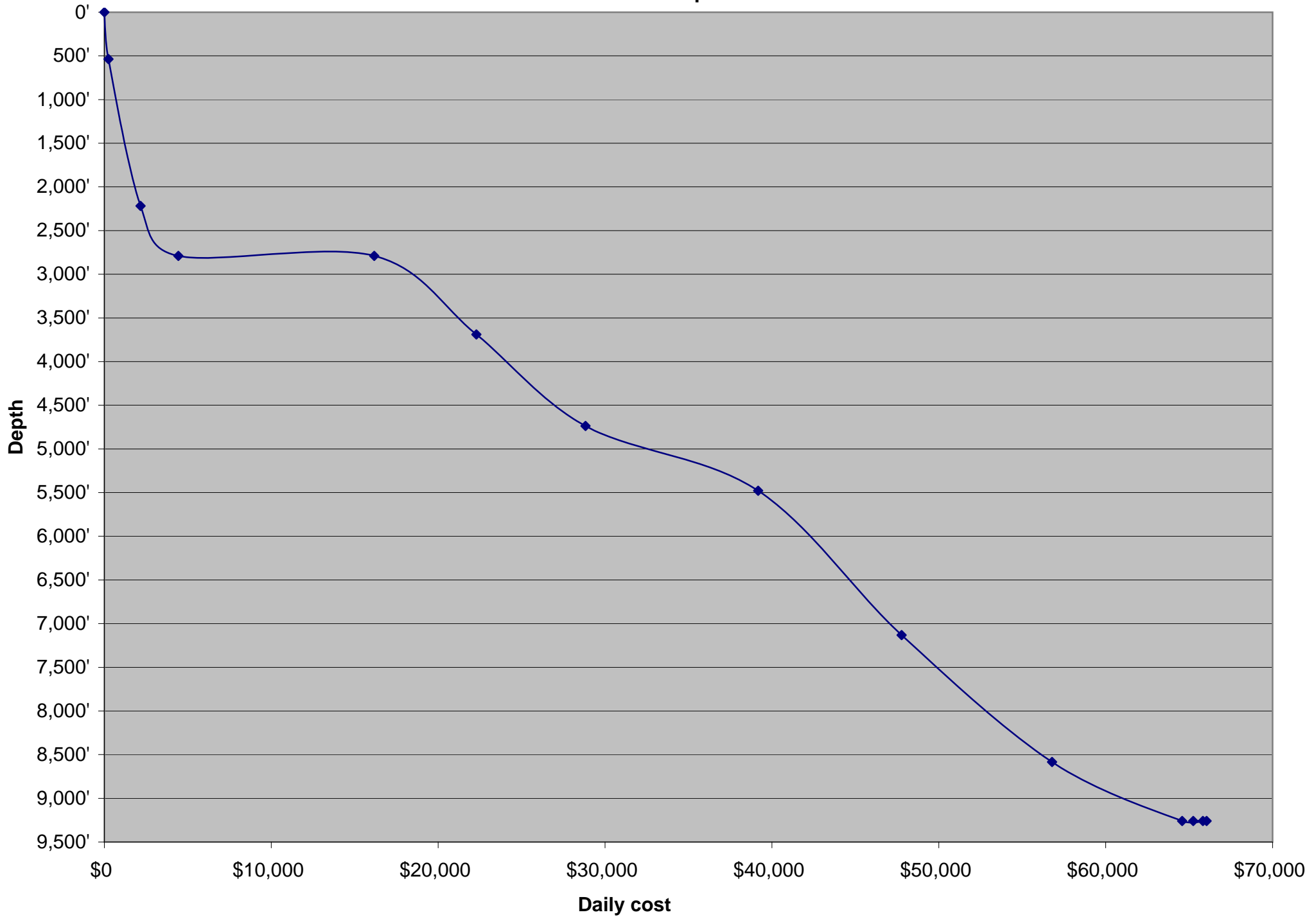
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Daily Mud Materials Comments Continued
9/25/2007
Drilled to 9260' MD @ report time. Rig down Loggers to Rig up Casers to Run Production Casing
For every 100 bbls drilling fluid added to the system add 1 sk Drispac, 1 sk Soltex @ 1 sk Lignite.
Maintain current VIS and Mud Weight to run casing When casi
9/26/2007
End of Well, mud tanks drained to clean for Rig move.

Days vs Depth



Cost vs Depth



Williams Production RMT Co.

Sec. 23 T6S R97W

Puckett WGV 21-23-697 Pad

Puckett WGV 22-23-697

Wellbore #1

Plan #1 02Feb07 kjs

Anticollision Report

05 February, 2007

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Reference	Plan #1 02Feb07 kjs		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interp Method:	Stations	Error Model:	ISCWSA
Depth Range:	0.0 to 0.0ft	Scan Method:	Closest Approach 3D
Max Radius:	10,000.0ft	Error Surface:	Elliptical Conic
		Output errors are at	2.00 sigma

Survey Tool Program	Date	2/5/2007		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	9,266.4	Plan #1 02Feb07 kjs (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Puckett WGV 21-23-697 Pad						
Puckett WGV 21-23-697 - Wellbore #1 - Plan #1 02Feb07	300.0	297.8	36.4	35.1	29.807	
Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb	300.0	298.7	16.7	15.5	14.019	
Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb	400.0	398.8	19.3	17.7	11.829	
Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb	332.8	331.0	27.6	26.2	20.508	
Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb	400.0	399.6	7.9	6.3	4.924	
Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb	200.0	200.0	8.9	8.2	13.174	
Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb	700.0	701.3	18.7	14.9	4.914	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 21-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	52.39	13.7	17.8	22.5	22.3	100.104		
120.0	120.0	120.0	120.0	0.2	0.2	52.39	13.7	17.8	22.5	22.2	71.503		
200.0	200.0	199.3	199.2	0.3	0.3	-136.32	15.6	17.6	24.9	24.2	36.562		
300.0	299.6	297.8	297.5	0.6	0.6	-153.16	22.2	16.8	36.4	35.1	29.807		
332.8	332.2	330.0	329.6	0.7	0.7	-157.32	24.4	16.5	41.9	40.5	30.186		
400.0	398.8	395.8	395.3	0.9	0.8	-163.44	29.0	16.0	54.3	52.6	32.358		
500.0	498.0	493.8	493.1	1.2	1.1	-168.64	35.9	15.1	73.3	71.2	34.737		
600.0	597.1	591.8	590.9	1.5	1.3	-171.69	42.8	14.3	92.8	90.2	36.343		
700.0	696.3	689.8	688.6	1.8	1.6	-173.68	49.7	13.4	112.4	109.4	37.460		
800.0	795.5	787.8	786.4	2.2	1.8	-175.08	56.6	12.6	132.1	128.6	38.268		
900.0	894.6	885.8	884.1	2.5	2.1	-176.11	63.5	11.8	151.8	147.9	38.875		
1,000.0	993.8	983.8	981.9	2.8	2.3	-176.91	70.4	10.9	171.6	167.2	39.344		
1,100.0	1,092.9	1,081.8	1,079.6	3.2	2.6	-177.54	77.3	10.1	191.4	186.6	39.717		
1,200.0	1,192.1	1,179.8	1,177.4	3.5	2.8	-178.05	84.1	9.2	211.2	205.9	40.013		
1,300.0	1,291.2	1,277.8	1,275.1	3.8	3.1	-178.48	91.0	8.4	231.0	225.3	40.266		
1,400.0	1,390.4	1,375.8	1,372.9	4.2	3.3	-178.84	97.9	7.6	250.9	244.7	40.476		
1,500.0	1,489.6	1,473.8	1,470.6	4.5	3.6	-179.14	104.8	6.7	270.7	264.1	40.654		
1,600.0	1,588.7	1,571.8	1,568.4	4.8	3.8	-179.40	111.7	5.9	290.6	283.5	40.807		
1,700.0	1,687.9	1,669.8	1,666.1	5.2	4.1	-179.64	118.6	5.0	310.5	302.9	40.939		
1,800.0	1,787.0	1,767.8	1,763.9	5.5	4.3	-179.84	125.5	4.2	330.3	322.3	41.056		
1,900.0	1,886.2	1,865.8	1,861.7	5.8	4.6	-179.98	132.4	3.4	350.2	341.7	41.159		
2,000.0	1,985.3	1,963.8	1,959.4	6.2	4.8	-179.82	139.2	2.5	370.1	361.1	41.250		
2,100.0	2,084.5	2,061.8	2,057.2	6.5	5.1	-179.68	146.1	1.7	390.0	380.5	41.332		
2,200.0	2,183.6	2,159.8	2,154.9	6.8	5.3	-179.55	153.0	0.8	409.8	399.9	41.405		
2,300.0	2,282.8	2,257.8	2,252.7	7.2	5.6	-179.43	159.9	0.0	429.7	419.4	41.472		
2,400.0	2,382.0	2,355.8	2,350.4	7.5	5.8	-179.32	166.8	-0.8	449.6	438.8	41.532		
2,500.0	2,481.1	2,453.8	2,448.2	7.8	6.1	-179.23	173.7	-1.7	469.5	458.2	41.588		
2,600.0	2,580.3	2,551.8	2,545.9	8.2	6.3	-179.14	180.6	-2.5	489.4	477.6	41.638		
2,700.0	2,679.4	2,649.8	2,643.7	8.5	6.6	-179.05	187.5	-3.4	509.3	497.1	41.685		
2,800.0	2,778.6	2,747.8	2,741.4	8.8	6.8	-178.97	194.3	-4.2	529.2	516.5	41.727		
2,900.0	2,877.7	2,845.8	2,839.2	9.2	7.1	-178.90	201.2	-5.0	549.1	535.9	41.767		
3,000.0	2,976.9	2,943.8	2,936.9	9.5	7.3	-178.84	208.1	-5.9	568.9	555.3	41.804		
3,100.0	3,076.1	3,041.8	3,034.7	9.9	7.6	-178.78	215.0	-6.7	588.8	574.8	41.838		
3,200.0	3,175.2	3,139.8	3,132.5	10.2	7.9	-178.72	221.9	-7.6	608.7	594.2	41.870		
3,300.0	3,274.4	3,237.8	3,230.2	10.5	8.1	-178.66	228.8	-8.4	628.6	613.6	41.900		
3,400.0	3,373.5	3,335.8	3,328.0	10.9	8.4	-178.61	235.7	-9.2	648.5	633.0	41.928		
3,500.0	3,472.7	3,433.8	3,425.7	11.2	8.6	-178.56	242.6	-10.1	668.4	652.5	41.954		
3,600.0	3,571.8	3,531.8	3,523.5	11.5	8.9	-178.52	249.4	-10.9	688.3	671.9	41.979		
3,700.0	3,671.0	3,629.8	3,621.2	11.9	9.1	-178.48	256.3	-11.8	708.2	691.3	42.003		
3,800.0	3,770.2	3,727.8	3,719.0	12.2	9.4	-178.44	263.2	-12.6	728.1	710.8	42.025		
3,900.0	3,869.3	3,825.8	3,816.7	12.5	9.6	-178.40	270.1	-13.4	748.0	730.2	42.045		
4,000.0	3,968.5	3,923.8	3,914.5	12.9	9.9	-178.36	277.0	-14.3	767.9	749.6	42.065		
4,100.0	4,067.6	4,021.8	4,012.2	13.2	10.1	-178.33	283.9	-15.1	787.8	769.1	42.084		
4,200.0	4,166.8	4,119.8	4,110.0	13.5	10.4	-178.29	290.8	-16.0	807.7	788.5	42.101		
4,300.0	4,265.9	4,217.8	4,207.7	13.9	10.6	-178.26	297.7	-16.8	827.6	807.9	42.118		
4,400.0	4,365.1	4,315.8	4,305.5	14.2	10.9	-178.23	304.5	-17.6	847.5	827.4	42.134		
4,500.0	4,464.2	4,413.8	4,403.3	14.5	11.1	-178.21	311.4	-18.5	867.4	846.8	42.150		
4,600.0	4,563.4	4,511.8	4,501.0	14.9	11.4	-178.18	318.3	-19.3	887.3	866.2	42.164		

WILLIAMS COMPANIES, INC.

Anticollision Report

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Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 21-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs

Inter-Site Error: 0.0 ft

Reference		Offset		Semi Major Axis			Distance					Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	
4,700.0	4,662.6	4,609.8	4,598.8	15.2	11.6	178.15	325.2	-20.2	907.2	885.6	42.178	
4,800.0	4,761.7	4,707.8	4,696.5	15.5	11.9	178.13	332.1	-21.0	927.1	905.1	42.192	
4,900.0	4,860.9	4,805.8	4,794.3	15.9	12.1	178.10	339.0	-21.8	947.0	924.5	42.204	
5,000.0	4,960.0	4,903.8	4,892.0	16.2	12.4	178.08	345.9	-22.7	966.8	943.9	42.216	
5,100.0	5,059.2	5,001.8	4,989.8	16.6	12.6	178.06	352.8	-23.5	986.7	963.4	42.228	
5,200.0	5,158.3	5,099.8	5,087.5	16.9	12.9	178.04	359.6	-24.4	1,006.6	982.8	42.239	
5,300.0	5,257.5	5,197.8	5,185.3	17.2	13.1	178.02	366.5	-25.2	1,026.5	1,002.2	42.250	
5,400.0	5,356.7	5,295.8	5,283.0	17.6	13.4	178.00	373.4	-26.0	1,046.4	1,021.7	42.261	
5,500.0	5,455.8	5,393.8	5,380.8	17.9	13.6	177.98	380.3	-26.9	1,066.3	1,041.1	42.271	
5,600.0	5,555.0	5,491.8	5,478.5	18.2	13.9	177.96	387.2	-27.7	1,086.2	1,060.5	42.280	
5,700.0	5,654.1	5,589.8	5,576.3	18.6	14.1	177.95	394.1	-28.6	1,106.1	1,080.0	42.289	
5,800.0	5,753.3	5,687.8	5,674.1	18.9	14.4	177.93	401.0	-29.4	1,126.0	1,099.4	42.298	
5,900.0	5,852.4	5,785.8	5,771.8	19.2	14.6	177.91	407.8	-30.2	1,145.9	1,118.8	42.307	
6,000.0	5,951.6	5,883.8	5,869.6	19.6	14.9	177.90	414.7	-31.1	1,165.8	1,138.3	42.315	
6,100.0	6,050.7	5,981.8	5,967.3	19.9	15.1	177.88	421.6	-31.9	1,185.7	1,157.7	42.323	
6,200.0	6,149.9	6,079.8	6,065.1	20.2	15.4	177.87	428.5	-32.8	1,205.6	1,177.1	42.331	
6,306.9	6,255.9	6,184.6	6,169.5	20.6	15.7	177.85	435.9	-33.7	1,226.9	1,197.9	42.339	
6,400.0	6,348.4	6,276.0	6,260.8	20.8	15.9	177.85	442.3	-34.5	1,244.3	1,214.9	42.265	
6,500.0	6,447.9	6,374.7	6,359.2	21.0	16.2	177.84	449.2	-35.3	1,260.5	1,230.6	42.171	
6,600.0	6,547.7	6,473.8	6,458.0	21.2	16.4	177.82	456.2	-36.1	1,274.2	1,243.8	42.027	
6,700.0	6,647.6	6,610.2	6,594.2	21.4	16.7	177.80	464.2	-37.1	1,284.1	1,253.4	41.734	
6,803.4	6,751.0	6,765.5	6,749.5	21.5	17.0	-0.72	467.5	-37.5	1,287.7	1,256.5	41.264	
6,900.0	6,847.6	6,863.6	6,847.6	21.7	17.2	-0.72	467.5	-37.5	1,287.7	1,256.1	40.766	
7,000.0	6,947.6	6,963.6	6,947.6	21.8	17.4	-0.72	467.5	-37.5	1,287.7	1,255.8	40.281	
7,100.0	7,047.6	7,063.6	7,047.6	21.9	17.5	-0.72	467.5	-37.5	1,287.7	1,255.4	39.805	
7,200.0	7,147.6	7,163.6	7,147.6	22.0	17.7	-0.72	467.5	-37.5	1,287.7	1,255.0	39.339	
7,300.0	7,247.6	7,263.6	7,247.6	22.1	17.9	-0.72	467.5	-37.5	1,287.7	1,254.6	38.881	
7,400.0	7,347.6	7,363.6	7,347.6	22.3	18.1	-0.72	467.5	-37.5	1,287.7	1,254.2	38.433	
7,500.0	7,447.6	7,463.6	7,447.6	22.4	18.3	-0.72	467.5	-37.5	1,287.7	1,253.8	37.993	
7,600.0	7,547.6	7,563.6	7,547.6	22.5	18.5	-0.72	467.5	-37.5	1,287.7	1,253.5	37.561	
7,700.0	7,647.6	7,663.6	7,647.6	22.6	18.7	-0.72	467.5	-37.5	1,287.7	1,253.1	37.138	
7,800.0	7,747.6	7,763.6	7,747.6	22.8	18.9	-0.72	467.5	-37.5	1,287.7	1,252.7	36.722	
7,900.0	7,847.6	7,863.6	7,847.6	22.9	19.1	-0.72	467.5	-37.5	1,287.7	1,252.3	36.315	
8,000.0	7,947.6	7,963.6	7,947.6	23.0	19.3	-0.72	467.5	-37.5	1,287.7	1,251.9	35.915	
8,100.0	8,047.6	8,063.6	8,047.6	23.2	19.5	-0.72	467.5	-37.5	1,287.7	1,251.5	35.523	
8,200.0	8,147.6	8,163.6	8,147.6	23.3	19.7	-0.72	467.5	-37.5	1,287.7	1,251.1	35.138	
8,300.0	8,247.6	8,263.6	8,247.6	23.4	19.9	-0.72	467.5	-37.5	1,287.7	1,250.7	34.760	
8,400.0	8,347.6	8,363.6	8,347.6	23.6	20.1	-0.72	467.5	-37.5	1,287.7	1,250.3	34.389	
8,500.0	8,447.6	8,463.6	8,447.6	23.7	20.4	-0.72	467.5	-37.5	1,287.7	1,249.9	34.025	
8,600.0	8,547.6	8,563.6	8,547.6	23.8	20.6	-0.72	467.5	-37.5	1,287.7	1,249.5	33.668	
8,700.0	8,647.6	8,663.6	8,647.6	24.0	20.8	-0.72	467.5	-37.5	1,287.7	1,249.1	33.317	
8,800.0	8,747.6	8,763.6	8,747.6	24.1	21.0	-0.72	467.5	-37.5	1,287.7	1,248.7	32.973	
8,900.0	8,847.6	8,863.6	8,847.6	24.3	21.2	-0.72	467.5	-37.5	1,287.7	1,248.3	32.635	
9,000.0	8,947.6	8,963.6	8,947.6	24.4	21.4	-0.72	467.5	-37.5	1,287.7	1,247.9	32.303	
9,100.0	9,047.6	9,063.6	9,047.6	24.6	21.6	-0.72	467.5	-37.5	1,287.7	1,247.5	31.977	
9,200.0	9,147.6	9,163.6	9,147.6	24.7	21.8	-0.72	467.5	-37.5	1,287.7	1,247.1	31.657	
9,266.4	9,214.0	9,230.0	9,214.0	24.8	21.9	-0.72	467.5	-37.5	1,287.7	1,246.8	31.447	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design													Puckett WGV 21-23-697 Pad - Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs		
Reference		Offset		Semi Major Axis			Distance			Inter-Site Error: 0.0 ft					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning			
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-9.2	-11.9	15.0	14.8	66.736				
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-9.2	-11.9	15.0	14.7	47.669				
200.0	200.0	200.2	200.1	0.3	0.3	65.11	-7.2	-12.2	13.2	12.6	19.838				
237.6	237.5	237.5	237.4	0.4	0.4	84.96	-5.0	-12.5	12.4	11.6	14.797				
300.0	299.6	298.7	298.3	0.6	0.6	126.32	0.5	-13.3	16.7	15.5	14.019				
332.8	332.2	330.3	329.7	0.7	0.7	140.78	4.2	-13.9	22.6	21.2	15.802				
400.0	398.8	395.4	394.3	0.9	0.9	155.23	12.1	-15.1	37.8	36.1	21.607				
500.0	498.0	492.2	490.4	1.2	1.2	163.09	24.0	-16.9	62.0	59.8	28.444				
600.0	597.1	589.0	586.5	1.5	1.5	166.52	35.8	-18.6	86.7	84.0	33.131				
700.0	696.3	685.8	682.5	1.8	1.8	168.42	47.6	-20.4	111.5	108.4	36.426				
800.0	795.5	782.7	778.6	2.2	2.1	169.64	59.4	-22.2	136.4	132.9	38.837				
900.0	894.6	879.5	874.7	2.5	2.4	170.48	71.3	-24.0	161.3	157.3	40.663				
1,000.0	993.8	976.3	970.8	2.8	2.7	171.09	83.1	-25.8	186.3	181.8	42.089				
1,100.0	1,092.9	1,073.1	1,066.8	3.2	3.0	171.56	94.9	-27.6	211.2	206.3	43.231				
1,200.0	1,192.1	1,169.9	1,162.9	3.5	3.3	171.93	106.8	-29.3	236.2	230.9	44.144				
1,300.0	1,291.2	1,266.7	1,259.0	3.8	3.6	172.23	118.6	-31.1	261.2	255.4	44.928				
1,400.0	1,390.4	1,363.6	1,355.1	4.2	3.9	172.47	130.4	-32.9	286.2	279.9	45.582				
1,500.0	1,489.6	1,460.4	1,451.1	4.5	4.2	172.68	142.3	-34.7	311.2	304.5	46.139				
1,600.0	1,588.7	1,557.2	1,547.2	4.8	4.5	172.86	154.1	-36.5	336.2	329.0	46.621				
1,700.0	1,687.9	1,654.0	1,643.3	5.2	4.8	173.01	165.9	-38.2	361.2	353.5	47.040				
1,800.0	1,787.0	1,750.8	1,739.4	5.5	5.1	173.14	177.8	-40.0	386.2	378.1	47.409				
1,900.0	1,886.2	1,847.7	1,835.4	5.8	5.4	173.26	189.6	-41.8	411.2	402.6	47.736				
2,000.0	1,985.3	1,944.5	1,931.5	6.2	5.7	173.36	201.4	-43.6	436.2	427.2	48.028				
2,100.0	2,084.5	2,041.3	2,027.6	6.5	6.0	173.45	213.3	-45.4	461.3	451.7	48.290				
2,200.0	2,183.6	2,138.1	2,123.7	6.8	6.3	173.54	225.1	-47.2	486.3	476.2	48.526				
2,300.0	2,282.8	2,234.9	2,219.8	7.2	6.6	173.61	236.9	-48.9	511.3	500.8	48.740				
2,400.0	2,382.0	2,331.8	2,315.8	7.5	6.9	173.68	248.8	-50.7	536.3	525.3	48.935				
2,500.0	2,481.1	2,428.6	2,411.9	7.8	7.2	173.74	260.6	-52.5	561.3	549.9	49.113				
2,600.0	2,580.3	2,525.4	2,508.0	8.2	7.6	173.79	272.4	-54.3	586.3	574.4	49.277				
2,700.0	2,679.4	2,622.2	2,604.1	8.5	7.9	173.85	284.3	-56.1	611.3	599.0	49.428				
2,800.0	2,778.6	2,719.0	2,700.1	8.8	8.2	173.89	296.1	-57.8	636.4	623.5	49.567				
2,900.0	2,877.7	2,815.8	2,796.2	9.2	8.5	173.94	307.9	-59.6	661.4	648.1	49.696				
3,000.0	2,976.9	2,912.7	2,892.3	9.5	8.8	173.98	319.8	-61.4	686.4	672.6	49.817				
3,100.0	3,076.1	3,009.5	2,988.4	9.9	9.1	174.02	331.6	-63.2	711.4	697.2	49.928				
3,200.0	3,175.2	3,106.3	3,084.4	10.2	9.4	174.05	343.4	-65.0	736.4	721.7	50.033				
3,300.0	3,274.4	3,203.1	3,180.5	10.5	9.7	174.08	355.3	-66.7	761.5	746.3	50.131				
3,400.0	3,373.5	3,299.9	3,276.6	10.9	10.0	174.11	367.1	-68.5	786.5	770.8	50.223				
3,500.0	3,472.7	3,396.8	3,372.7	11.2	10.3	174.14	378.9	-70.3	811.5	795.4	50.309				
3,600.0	3,571.8	3,493.6	3,468.8	11.5	10.6	174.17	390.8	-72.1	836.5	819.9	50.390				
3,700.0	3,671.0	3,590.4	3,564.8	11.9	10.9	174.20	402.6	-73.9	861.5	844.5	50.467				
3,800.0	3,770.2	3,687.2	3,660.9	12.2	11.2	174.22	414.4	-75.7	886.5	869.0	50.539				
3,900.0	3,869.3	3,784.0	3,757.0	12.5	11.5	174.24	426.2	-77.4	911.6	893.6	50.608				
4,000.0	3,968.5	3,880.9	3,853.1	12.9	11.8	174.26	438.1	-79.2	936.6	918.1	50.673				
4,100.0	4,067.6	3,977.7	3,949.1	13.2	12.1	174.28	449.9	-81.0	961.6	942.7	50.734				
4,200.0	4,166.8	4,074.5	4,045.2	13.5	12.5	174.30	461.7	-82.8	986.6	967.2	50.793				
4,300.0	4,265.9	4,171.3	4,141.3	13.9	12.8	174.32	473.6	-84.6	1,011.6	991.8	50.848				
4,400.0	4,365.1	4,268.1	4,237.4	14.2	13.1	174.34	485.4	-86.3	1,036.7	1,016.3	50.901				
4,500.0	4,464.2	4,364.9	4,333.4	14.5	13.4	174.36	497.2	-88.1	1,061.7	1,040.8	50.952				

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Puckett WGV 21-23-697 Pad - Puckett WGV 321-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs		
Reference		Offset		Semi Major Axis			Distance					Inter-Site Error:	0.0	ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning		
4,600.0	4,563.4	4,461.8	4,429.5	14.9	13.7	174.37	509.1	-89.9	1,086.7	1,065.4	51.000			
4,700.0	4,662.6	4,558.6	4,525.6	15.2	14.0	174.39	520.9	-91.7	1,111.7	1,089.9	51.047			
4,800.0	4,761.7	4,655.4	4,621.7	15.5	14.3	174.40	532.7	-93.5	1,136.7	1,114.5	51.091			
4,900.0	4,860.9	4,752.2	4,717.7	15.9	14.6	174.42	544.6	-95.2	1,161.8	1,139.0	51.133			
5,000.0	4,960.0	4,849.0	4,813.8	16.2	14.9	174.43	556.4	-97.0	1,186.8	1,163.6	51.174			
5,100.0	5,059.2	4,945.9	4,909.9	16.6	15.2	174.44	568.2	-98.8	1,211.8	1,188.1	51.213			
5,200.0	5,158.3	5,042.7	5,006.0	16.9	15.5	174.46	580.1	-100.6	1,236.8	1,212.7	51.250			
5,300.0	5,257.5	5,139.5	5,102.1	17.2	15.8	174.47	591.9	-102.4	1,261.9	1,237.2	51.286			
5,400.0	5,356.7	5,236.3	5,198.1	17.6	16.1	174.48	603.7	-104.2	1,286.9	1,261.8	51.320			
5,500.0	5,455.8	5,333.1	5,294.2	17.9	16.4	174.49	615.6	-105.9	1,311.9	1,286.3	51.354			
5,600.0	5,555.0	5,430.0	5,390.3	18.2	16.7	174.50	627.4	-107.7	1,336.9	1,310.9	51.386			
5,700.0	5,654.1	5,526.8	5,486.4	18.6	17.0	174.51	639.2	-109.5	1,361.9	1,335.4	51.416			
5,800.0	5,753.3	5,623.6	5,582.4	18.9	17.4	174.52	651.1	-111.3	1,387.0	1,360.0	51.446			
5,900.0	5,852.4	5,720.4	5,678.5	19.2	17.7	174.53	662.9	-113.1	1,412.0	1,384.5	51.475			
6,000.0	5,951.6	5,817.2	5,774.6	19.6	18.0	174.54	674.7	-114.8	1,437.0	1,409.1	51.503			
6,100.0	6,050.7	5,914.1	5,870.7	19.9	18.3	174.55	686.6	-116.6	1,462.0	1,433.6	51.529			
6,200.0	6,149.9	6,010.9	5,966.7	20.2	18.6	174.56	698.4	-118.4	1,487.0	1,458.2	51.555			
6,306.9	6,255.9	6,114.4	6,069.4	20.6	18.9	174.56	711.0	-120.3	1,513.8	1,484.4	51.582			
6,400.0	6,348.4	6,204.8	6,159.2	20.8	19.2	174.60	722.1	-122.0	1,536.0	1,506.2	51.484			
6,500.0	6,447.9	6,302.5	6,256.1	21.0	19.5	174.63	734.0	-123.8	1,557.4	1,527.1	51.381			
6,600.0	6,547.7	6,451.0	6,403.8	21.2	19.9	174.63	750.2	-126.2	1,575.1	1,544.2	51.085			
6,700.0	6,647.6	6,620.2	6,572.5	21.4	20.2	174.64	761.9	-128.0	1,586.0	1,554.7	50.635			
6,803.4	6,751.0	6,796.6	6,748.9	21.5	20.5	-3.87	766.2	-128.6	1,589.9	1,558.1	49.976			
6,900.0	6,847.6	6,801.8	6,754.0	21.7	20.5	-3.87	766.2	-128.6	1,592.7	1,560.7	49.773			
7,000.0	6,947.6	6,801.8	6,754.0	21.8	20.5	-3.87	766.2	-128.6	1,601.6	1,569.5	49.803			
7,100.0	7,047.6	6,801.8	6,754.0	21.9	20.5	-3.87	766.2	-128.6	1,616.8	1,584.5	50.021			
7,200.0	7,147.6	6,801.8	6,754.0	22.0	20.5	-3.87	766.2	-128.6	1,637.9	1,605.4	50.419			
7,300.0	7,247.6	6,801.8	6,754.0	22.1	20.5	-3.87	766.2	-128.6	1,664.8	1,632.1	50.987			
7,400.0	7,347.6	6,801.8	6,754.0	22.3	20.5	-3.87	766.2	-128.6	1,697.1	1,664.3	51.713			
7,500.0	7,447.6	6,801.8	6,754.0	22.4	20.5	-3.87	766.2	-128.6	1,734.6	1,701.6	52.587			
7,600.0	7,547.6	6,801.8	6,754.0	22.5	20.5	-3.87	766.2	-128.6	1,777.0	1,743.8	53.596			
7,700.0	7,647.6	6,801.8	6,754.0	22.6	20.5	-3.87	766.2	-128.6	1,823.8	1,790.5	54.728			
7,800.0	7,747.6	6,801.8	6,754.0	22.8	20.5	-3.87	766.2	-128.6	1,874.8	1,841.3	55.970			
7,900.0	7,847.6	6,801.8	6,754.0	22.9	20.5	-3.87	766.2	-128.6	1,929.7	1,896.0	57.312			
8,000.0	7,947.6	6,801.8	6,754.0	23.0	20.5	-3.87	766.2	-128.6	1,988.1	1,954.2	58.742			
8,100.0	8,047.6	6,801.8	6,754.0	23.2	20.5	-3.87	766.2	-128.6	2,049.7	2,015.7	60.251			
8,200.0	8,147.6	6,801.8	6,754.0	23.3	20.5	-3.87	766.2	-128.6	2,114.2	2,080.0	61.827			
8,300.0	8,247.6	6,801.8	6,754.0	23.4	20.5	-3.87	766.2	-128.6	2,181.4	2,147.1	63.464			
8,400.0	8,347.6	6,801.8	6,754.0	23.6	20.5	-3.87	766.2	-128.6	2,251.1	2,216.5	65.152			
8,500.0	8,447.6	6,801.8	6,754.0	23.7	20.5	-3.87	766.2	-128.6	2,322.9	2,288.2	66.885			
8,600.0	8,547.6	6,801.8	6,754.0	23.8	20.5	-3.87	766.2	-128.6	2,396.8	2,361.9	68.656			
8,700.0	8,647.6	6,801.8	6,754.0	24.0	20.5	-3.87	766.2	-128.6	2,472.6	2,437.5	70.459			
8,800.0	8,747.6	6,801.8	6,754.0	24.1	20.5	-3.87	766.2	-128.6	2,549.9	2,514.7	72.290			
8,900.0	8,847.6	6,801.8	6,754.0	24.3	20.5	-3.87	766.2	-128.6	2,628.9	2,593.4	74.142			
9,000.0	8,947.6	6,801.8	6,754.0	24.4	20.5	-3.87	766.2	-128.6	2,709.2	2,673.5	76.013			
9,100.0	9,047.6	6,801.8	6,754.0	24.6	20.5	-3.87	766.2	-128.6	2,790.8	2,754.9	77.899			
9,200.0	9,147.6	6,801.8	6,754.0	24.7	20.5	-3.87	766.2	-128.6	2,873.5	2,837.5	79.795			
9,266.4	9,214.0	6,801.8	6,754.0	24.8	20.5	-3.87	766.2	-128.6	2,929.1	2,892.9	81.059			

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design	Puckett WGV 21-23-697 Pad - Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												Inter-Site Error: 0.0		ft
	Reference		Offset		Semi Major Axis			Distance					Warning		
	Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor			
	100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-13.7	-17.8	22.5	22.3	100.104			
	120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-13.7	-17.8	22.5	22.2	71.503			
	200.0	200.0	200.0	200.0	0.3	0.3	55.01	-13.7	-17.8	21.3	20.7	31.983			
	300.0	299.6	299.6	299.6	0.6	0.6	76.23	-13.7	-17.8	18.0	16.9	16.051			
	332.8	332.2	332.2	332.2	0.7	0.6	88.76	-13.7	-17.8	17.5	16.2	13.597			
	335.7	335.1	335.1	335.1	0.7	0.6	90.00	-13.7	-17.8	17.5	16.2	13.420			
	400.0	398.8	398.8	398.8	0.9	0.8	115.32	-13.7	-17.8	19.3	17.7	11.829			
	500.0	498.0	498.0	498.0	1.2	1.0	140.41	-13.7	-17.8	27.5	25.4	13.076			
	600.0	597.1	598.0	598.0	1.5	1.2	151.97	-15.0	-17.9	37.4	34.8	14.809			
	700.0	696.3	697.4	697.4	1.8	1.4	157.95	-17.5	-18.0	46.9	43.9	16.000			
	800.0	795.5	796.9	796.8	2.2	1.6	161.88	-20.0	-18.1	56.7	53.4	16.924			
	900.0	894.6	896.3	896.2	2.5	1.8	164.65	-22.5	-18.2	66.8	63.0	17.646			
	1,000.0	993.8	995.8	995.6	2.8	2.0	166.68	-25.0	-18.3	76.9	72.7	18.217			
	1,100.0	1,092.9	1,095.2	1,095.1	3.2	2.2	168.24	-27.4	-18.4	87.2	82.5	18.675			
	1,200.0	1,192.1	1,194.7	1,194.5	3.5	2.4	169.48	-29.9	-18.5	97.5	92.3	19.050			
	1,300.0	1,291.2	1,294.1	1,293.9	3.8	2.6	170.47	-32.4	-18.6	107.8	102.2	19.360			
	1,400.0	1,390.4	1,393.6	1,393.3	4.2	2.9	171.29	-34.9	-18.7	118.1	112.1	19.621			
	1,500.0	1,489.6	1,493.0	1,492.7	4.5	3.1	171.98	-37.4	-18.8	128.5	122.0	19.843			
	1,600.0	1,588.7	1,592.5	1,592.2	4.8	3.3	172.57	-39.9	-18.9	138.9	131.9	20.034			
	1,700.0	1,687.9	1,691.9	1,691.6	5.2	3.5	173.08	-42.4	-19.0	149.3	141.9	20.200			
	1,800.0	1,787.0	1,791.4	1,791.0	5.5	3.8	173.52	-44.9	-19.1	159.7	151.8	20.345			
	1,900.0	1,886.2	1,890.8	1,890.4	5.8	4.0	173.90	-47.4	-19.2	170.1	161.8	20.473			
	2,000.0	1,985.3	1,990.3	1,989.8	6.2	4.2	174.24	-49.9	-19.3	180.5	171.7	20.586			
	2,100.0	2,084.5	2,089.7	2,089.3	6.5	4.4	174.55	-52.4	-19.4	190.9	181.7	20.688			
	2,200.0	2,183.6	2,189.2	2,188.7	6.8	4.7	174.82	-54.9	-19.5	201.4	191.7	20.779			
	2,300.0	2,282.8	2,288.6	2,288.1	7.2	4.9	175.06	-57.4	-19.6	211.8	201.6	20.862			
	2,400.0	2,382.0	2,388.1	2,387.5	7.5	5.1	175.29	-59.8	-19.7	222.2	211.6	20.937			
	2,500.0	2,481.1	2,487.5	2,486.9	7.8	5.3	175.49	-62.3	-19.8	232.7	221.6	21.005			
	2,600.0	2,580.3	2,587.0	2,586.3	8.2	5.6	175.67	-64.8	-19.9	243.1	231.6	21.068			
	2,700.0	2,679.4	2,686.4	2,685.8	8.5	5.8	175.84	-67.3	-20.0	253.6	241.6	21.126			
	2,800.0	2,778.6	2,785.9	2,785.2	8.8	6.0	176.00	-69.8	-20.1	264.0	251.6	21.179			
	2,900.0	2,877.7	2,885.3	2,884.6	9.2	6.2	176.14	-72.3	-20.2	274.5	261.5	21.228			
	3,000.0	2,976.9	2,984.8	2,984.0	9.5	6.5	176.28	-74.8	-20.4	284.9	271.5	21.273			
	3,100.0	3,076.1	3,084.2	3,083.4	9.9	6.7	176.40	-77.3	-20.5	295.4	281.5	21.315			
	3,200.0	3,175.2	3,183.7	3,182.9	10.2	6.9	176.52	-79.8	-20.6	305.8	291.5	21.355			
	3,300.0	3,274.4	3,283.1	3,282.3	10.5	7.2	176.63	-82.3	-20.7	316.3	301.5	21.392			
	3,400.0	3,373.5	3,382.6	3,381.7	10.9	7.4	176.73	-84.8	-20.8	326.7	311.5	21.426			
	3,500.0	3,472.7	3,482.0	3,481.1	11.2	7.6	176.82	-87.3	-20.9	337.2	321.5	21.459			
	3,600.0	3,571.8	3,581.5	3,580.5	11.5	7.8	176.91	-89.7	-21.0	347.7	331.5	21.489			
	3,700.0	3,671.0	3,680.9	3,680.0	11.9	8.1	177.00	-92.2	-21.1	358.1	341.5	21.518			
	3,800.0	3,770.2	3,780.4	3,779.4	12.2	8.3	177.08	-94.7	-21.2	368.6	351.5	21.545			
	3,900.0	3,869.3	3,879.8	3,878.8	12.5	8.5	177.15	-97.2	-21.3	379.0	361.5	21.570			
	4,000.0	3,968.5	3,979.3	3,978.2	12.9	8.8	177.22	-99.7	-21.4	389.5	371.5	21.594			
	4,100.0	4,067.6	4,078.7	4,077.6	13.2	9.0	177.29	-102.2	-21.5	400.0	381.5	21.617			
	4,200.0	4,166.8	4,178.2	4,177.0	13.5	9.2	177.35	-104.7	-21.6	410.4	391.4	21.639			
	4,300.0	4,265.9	4,277.6	4,276.5	13.9	9.4	177.41	-107.2	-21.7	420.9	401.4	21.660			
	4,400.0	4,365.1	4,377.1	4,375.9	14.2	9.7	177.47	-109.7	-21.8	431.3	411.4	21.679			
	4,500.0	4,464.2	4,476.5	4,475.3	14.5	9.9	177.53	-112.2	-21.9	441.8	421.4	21.698			

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,600.0	4,563.4	4,576.0	4,574.7	14.9	10.1	177.58	-114.7	-22.0	452.3	431.4	21.716		
4,700.0	4,662.6	4,675.4	4,674.1	15.2	10.4	177.63	-117.2	-22.1	462.7	441.4	21.733		
4,800.0	4,761.7	4,774.9	4,773.6	15.5	10.6	177.68	-119.7	-22.2	473.2	451.4	21.749		
4,900.0	4,860.9	4,874.3	4,873.0	15.9	10.8	177.72	-122.1	-22.3	483.7	461.4	21.765		
5,000.0	4,960.0	4,973.8	4,972.4	16.2	11.1	177.77	-124.6	-22.4	494.1	471.4	21.780		
5,100.0	5,059.2	5,073.2	5,071.8	16.6	11.3	177.81	-127.1	-22.5	504.6	481.4	21.794		
5,200.0	5,158.3	5,172.7	5,171.2	16.9	11.5	177.85	-129.6	-22.6	515.1	491.4	21.808		
5,300.0	5,257.5	5,272.1	5,270.7	17.2	11.7	177.89	-132.1	-22.7	525.5	501.4	21.821		
5,400.0	5,356.7	5,371.6	5,370.1	17.6	12.0	177.92	-134.6	-22.8	536.0	511.4	21.834		
5,500.0	5,455.8	5,471.0	5,469.5	17.9	12.2	177.96	-137.1	-22.9	546.5	521.4	21.846		
5,600.0	5,555.0	5,570.5	5,568.9	18.2	12.4	177.99	-139.6	-23.0	556.9	531.4	21.858		
5,700.0	5,654.1	5,669.9	5,668.3	18.6	12.7	178.03	-142.1	-23.1	567.4	541.4	21.869		
5,800.0	5,753.3	5,769.4	5,767.8	18.9	12.9	178.06	-144.6	-23.2	577.9	551.4	21.880		
5,900.0	5,852.4	5,868.8	5,867.2	19.2	13.1	178.09	-147.1	-23.3	588.3	561.4	21.891		
6,000.0	5,951.6	5,968.3	5,966.6	19.6	13.3	178.12	-149.6	-23.4	598.8	571.4	21.901		
6,100.0	6,050.7	6,067.7	6,066.0	19.9	13.6	178.15	-152.1	-23.5	609.3	581.4	21.911		
6,200.0	6,149.9	6,167.2	6,165.4	20.2	13.8	178.18	-154.5	-23.6	619.7	591.4	21.920		
6,306.9	6,255.9	6,273.5	6,271.7	20.6	14.0	178.21	-157.2	-23.8	630.9	602.1	21.930		
6,400.0	6,348.4	6,366.2	6,364.4	20.8	14.3	178.23	-159.5	-23.9	639.5	610.3	21.900		
6,500.0	6,447.9	6,466.0	6,464.1	21.0	14.5	178.25	-162.0	-24.0	646.3	616.6	21.820		
6,600.0	6,547.7	6,565.9	6,564.0	21.2	14.7	178.26	-164.5	-24.1	650.4	620.4	21.672		
6,700.0	6,647.6	6,665.0	6,663.1	21.4	15.0	178.26	-167.0	-24.2	651.9	621.5	21.462		
6,803.4	6,751.0	6,755.9	6,754.0	21.5	15.1	-0.25	-168.1	-24.2	652.0	621.3	21.240		
6,806.4	6,754.0	6,755.9	6,754.0	21.5	15.1	-0.25	-168.1	-24.2	652.0	621.3	21.236		
6,900.0	6,847.6	6,755.9	6,754.0	21.7	15.1	-0.25	-168.1	-24.2	658.7	627.8	21.334		
7,000.0	6,947.6	6,755.9	6,754.0	21.8	15.1	-0.25	-168.1	-24.2	680.2	649.1	21.914		
7,100.0	7,047.6	6,755.9	6,754.0	21.9	15.1	-0.25	-168.1	-24.2	715.1	683.9	22.919		
7,200.0	7,147.6	6,755.9	6,754.0	22.0	15.1	-0.25	-168.1	-24.2	761.6	730.3	24.282		
7,300.0	7,247.6	6,755.9	6,754.0	22.1	15.1	-0.25	-168.1	-24.2	817.8	786.3	25.936		
7,400.0	7,347.6	6,755.9	6,754.0	22.3	15.1	-0.25	-168.1	-24.2	881.8	850.1	27.817		
7,500.0	7,447.6	6,755.9	6,754.0	22.4	15.1	-0.25	-168.1	-24.2	952.0	920.1	29.873		
7,600.0	7,547.6	6,755.9	6,754.0	22.5	15.1	-0.25	-168.1	-24.2	1,027.1	995.1	32.060		
7,700.0	7,647.6	6,755.9	6,754.0	22.6	15.1	-0.25	-168.1	-24.2	1,106.2	1,074.0	34.345		
7,800.0	7,747.6	6,755.9	6,754.0	22.8	15.1	-0.25	-168.1	-24.2	1,188.4	1,156.1	36.702		
7,900.0	7,847.6	6,755.9	6,754.0	22.9	15.1	-0.25	-168.1	-24.2	1,273.2	1,240.7	39.111		
8,000.0	7,947.6	6,755.9	6,754.0	23.0	15.1	-0.25	-168.1	-24.2	1,360.1	1,327.4	41.556		
8,100.0	8,047.6	6,755.9	6,754.0	23.2	15.1	-0.25	-168.1	-24.2	1,448.6	1,415.7	44.025		
8,200.0	8,147.6	6,755.9	6,754.0	23.3	15.1	-0.25	-168.1	-24.2	1,538.6	1,505.5	46.509		
8,300.0	8,247.6	6,755.9	6,754.0	23.4	15.1	-0.25	-168.1	-24.2	1,629.7	1,596.5	49.001		
8,400.0	8,347.6	6,755.9	6,754.0	23.6	15.1	-0.25	-168.1	-24.2	1,721.8	1,688.4	51.493		
8,500.0	8,447.6	6,755.9	6,754.0	23.7	15.1	-0.25	-168.1	-24.2	1,814.8	1,781.2	53.982		
8,600.0	8,547.6	6,755.9	6,754.0	23.8	15.1	-0.25	-168.1	-24.2	1,908.4	1,874.6	56.465		
8,700.0	8,647.6	6,755.9	6,754.0	24.0	15.1	-0.25	-168.1	-24.2	2,002.7	1,968.7	58.937		
8,800.0	8,747.6	6,755.9	6,754.0	24.1	15.1	-0.25	-168.1	-24.2	2,097.5	2,063.4	61.397		
8,900.0	8,847.6	6,755.9	6,754.0	24.3	15.1	-0.25	-168.1	-24.2	2,192.8	2,158.4	63.843		
9,000.0	8,947.6	6,755.9	6,754.0	24.4	15.1	-0.25	-168.1	-24.2	2,288.5	2,253.9	66.272		
9,100.0	9,047.6	6,755.9	6,754.0	24.6	15.1	-0.25	-168.1	-24.2	2,384.5	2,349.8	68.685		
9,200.0	9,147.6	6,755.9	6,754.0	24.7	15.1	-0.25	-168.1	-24.2	2,480.8	2,445.9	71.079		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												
Puckett WGV 21-23-697 Pad - Puckett WGV 322-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Reference		Offset		Semi Major Axis			Distance			Inter-Site Error: 0.0 ft		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
9,266.4	9,214.0	6,755.9	6,754.0	24.8	15.1	-0.25	-168.1	-24.2	2,544.9	2,509.9	72.658	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Inter-Site Error: 0.0 ft												
Reference		Offset		Semi Major Axis			Distance			Separation		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor	
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-18.3	-23.8	30.0	29.8	133.472	
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-18.3	-23.8	30.0	29.7	95.337	
200.0	200.0	200.5	200.4	0.3	0.3	57.69	-16.4	-24.2	28.1	27.4	41.831	
283.6	283.3	283.3	283.0	0.5	0.6	83.54	-10.3	-25.4	25.3	24.2	23.810	
300.0	299.6	299.3	299.0	0.6	0.6	91.01	-8.7	-25.7	25.5	24.3	22.346	
332.8	332.2	331.0	330.4	0.7	0.7	106.57	-5.0	-26.4	27.6	26.2	20.508	
400.0	398.8	394.8	393.5	0.9	0.9	131.48	4.2	-28.3	38.9	37.1	22.120	
500.0	498.0	489.8	487.0	1.2	1.2	148.97	20.6	-31.6	64.9	62.6	28.556	
600.0	597.1	585.2	580.9	1.5	1.6	156.33	37.2	-34.9	93.4	90.7	34.475	
700.0	696.3	680.5	674.7	1.8	1.9	160.24	53.7	-38.2	122.7	119.5	38.931	
800.0	795.5	775.9	768.6	2.2	2.3	162.64	70.2	-41.6	152.3	148.7	42.289	
900.0	894.6	871.2	862.4	2.5	2.7	164.26	86.8	-44.9	182.1	178.0	44.871	
1,000.0	993.8	966.6	956.3	2.8	3.0	165.42	103.3	-48.2	211.9	207.4	46.904	
1,100.0	1,092.9	1,062.0	1,050.2	3.2	3.4	166.30	119.8	-51.5	241.9	236.9	48.557	
1,200.0	1,192.1	1,157.3	1,144.0	3.5	3.8	166.98	136.4	-54.9	271.8	266.4	49.850	
1,300.0	1,291.2	1,252.7	1,237.9	3.8	4.2	167.53	152.9	-58.2	301.8	295.9	50.972	
1,400.0	1,390.4	1,348.0	1,331.7	4.2	4.5	167.98	169.4	-61.5	331.8	325.4	51.909	
1,500.0	1,489.6	1,443.4	1,425.6	4.5	4.9	168.36	185.9	-64.8	361.9	355.0	52.709	
1,600.0	1,588.7	1,538.7	1,519.4	4.8	5.3	168.67	202.5	-68.2	391.9	384.6	53.399	
1,700.0	1,687.9	1,634.1	1,613.3	5.2	5.7	168.94	219.0	-71.5	422.0	414.2	54.000	
1,800.0	1,787.0	1,729.5	1,707.2	5.5	6.0	169.18	235.5	-74.8	452.0	443.7	54.528	
1,900.0	1,886.2	1,824.8	1,801.0	5.8	6.4	169.39	252.1	-78.1	482.1	473.3	54.996	
2,000.0	1,985.3	1,920.2	1,894.9	6.2	6.8	169.57	268.6	-81.5	512.2	502.9	55.412	
2,100.0	2,084.5	2,015.5	1,988.7	6.5	7.2	169.73	285.1	-84.8	542.2	532.5	55.786	
2,200.0	2,183.6	2,110.9	2,082.6	6.8	7.5	169.88	301.7	-88.1	572.3	562.1	56.122	
2,300.0	2,282.8	2,206.3	2,176.4	7.2	7.9	170.01	318.2	-91.4	602.4	591.7	56.427	
2,400.0	2,382.0	2,301.6	2,270.3	7.5	8.3	170.12	334.7	-94.8	632.5	621.3	56.705	
2,500.0	2,481.1	2,397.0	2,364.2	7.8	8.6	170.23	351.3	-98.1	662.6	650.9	56.959	
2,600.0	2,580.3	2,492.3	2,458.0	8.2	9.0	170.33	367.8	-101.4	692.7	680.6	57.191	
2,700.0	2,679.4	2,587.7	2,551.9	8.5	9.4	170.42	384.3	-104.7	722.8	710.2	57.405	
2,800.0	2,778.6	2,683.1	2,645.7	8.8	9.8	170.50	400.8	-108.0	752.8	739.8	57.603	
2,900.0	2,877.7	2,778.4	2,739.6	9.2	10.1	170.58	417.4	-111.4	782.9	769.4	57.786	
3,000.0	2,976.9	2,873.8	2,833.4	9.5	10.5	170.65	433.9	-114.7	813.0	799.0	57.957	
3,100.0	3,076.1	2,969.1	2,927.3	9.9	10.9	170.71	450.4	-118.0	843.1	828.6	58.115	
3,200.0	3,175.2	3,064.5	3,021.2	10.2	11.3	170.78	467.0	-121.3	873.2	858.2	58.263	
3,300.0	3,274.4	3,159.9	3,115.0	10.5	11.6	170.83	483.5	-124.7	903.3	887.9	58.401	
3,400.0	3,373.5	3,255.2	3,208.9	10.9	12.0	170.89	500.0	-128.0	933.4	917.5	58.531	
3,500.0	3,472.7	3,350.6	3,302.7	11.2	12.4	170.94	516.6	-131.3	963.5	947.1	58.653	
3,600.0	3,571.8	3,445.9	3,396.6	11.5	12.8	170.98	533.1	-134.6	993.6	976.7	58.768	
3,700.0	3,671.0	3,541.3	3,490.4	11.9	13.1	171.03	549.6	-138.0	1,023.7	1,006.3	58.876	
3,800.0	3,770.2	3,636.7	3,584.3	12.2	13.5	171.07	566.1	-141.3	1,053.8	1,036.0	58.978	
3,900.0	3,869.3	3,732.0	3,678.2	12.5	13.9	171.11	582.7	-144.6	1,083.9	1,065.6	59.075	
4,000.0	3,968.5	3,827.4	3,772.0	12.9	14.3	171.15	599.2	-147.9	1,114.0	1,095.2	59.166	
4,100.0	4,067.6	3,922.7	3,865.9	13.2	14.6	171.18	615.7	-151.3	1,144.1	1,124.8	59.253	
4,200.0	4,166.8	4,018.1	3,959.7	13.5	15.0	171.21	632.3	-154.6	1,174.2	1,154.4	59.335	
4,300.0	4,265.9	4,113.5	4,053.6	13.9	15.4	171.25	648.8	-157.9	1,204.3	1,184.1	59.414	
4,400.0	4,365.1	4,208.8	4,147.4	14.2	15.8	171.28	665.3	-161.2	1,234.4	1,213.7	59.488	
4,500.0	4,464.2	4,304.2	4,241.3	14.5	16.1	171.30	681.9	-164.6	1,264.5	1,243.3	59.560	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Puckett WGV 21-23-697 Pad - Puckett WGV 421-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs		Inter-Site Error: 0.0		ft
Reference		Offset		Semi Major Axis			Distance					Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor					
4,600.0	4,563.4	4,399.5	4,335.2	14.9	16.5	171.33	698.4	-167.9	1,294.6	1,272.9	59.628					
4,700.0	4,662.6	4,494.9	4,429.0	15.2	16.9	171.36	714.9	-171.2	1,324.7	1,302.5	59.693					
4,800.0	4,761.7	4,590.3	4,522.9	15.5	17.3	171.38	731.5	-174.5	1,354.8	1,332.2	59.755					
4,900.0	4,860.9	4,685.6	4,616.7	15.9	17.6	171.41	748.0	-177.9	1,384.9	1,361.8	59.814					
5,000.0	4,960.0	4,781.0	4,710.6	16.2	18.0	171.43	764.5	-181.2	1,415.1	1,391.4	59.871					
5,100.0	5,059.2	4,876.3	4,804.4	16.6	18.4	171.45	781.0	-184.5	1,445.2	1,421.0	59.926					
5,200.0	5,158.3	4,971.7	4,898.3	16.9	18.8	171.47	797.6	-187.8	1,475.3	1,450.7	59.978					
5,300.0	5,257.5	5,067.1	4,992.2	17.2	19.1	171.49	814.1	-191.2	1,505.4	1,480.3	60.029					
5,400.0	5,356.7	5,162.4	5,086.0	17.6	19.5	171.51	830.6	-194.5	1,535.5	1,509.9	60.077					
5,500.0	5,455.8	5,257.8	5,179.9	17.9	19.9	171.53	847.2	-197.8	1,565.6	1,539.5	60.124					
5,600.0	5,555.0	5,353.1	5,273.7	18.2	20.3	171.55	863.7	-201.1	1,595.7	1,569.2	60.169					
5,700.0	5,654.1	5,448.5	5,367.6	18.6	20.6	171.57	880.2	-204.4	1,625.8	1,598.8	60.212					
5,800.0	5,753.3	5,543.9	5,461.4	18.9	21.0	171.58	896.8	-207.8	1,655.9	1,628.4	60.254					
5,900.0	5,852.4	5,639.2	5,555.3	19.2	21.4	171.60	913.3	-211.1	1,686.0	1,658.0	60.294					
6,000.0	5,951.6	5,734.6	5,649.2	19.6	21.8	171.62	929.8	-214.4	1,716.1	1,687.7	60.333					
6,100.0	6,050.7	5,829.9	5,743.0	19.9	22.1	171.63	946.4	-217.7	1,746.2	1,717.3	60.370					
6,200.0	6,149.9	5,925.3	5,836.9	20.2	22.5	171.65	962.9	-221.1	1,776.3	1,746.9	60.406					
6,306.9	6,255.9	6,027.2	5,937.2	20.6	22.9	171.66	980.5	-224.6	1,808.5	1,778.6	60.444					
6,400.0	6,348.4	6,116.3	6,024.9	20.8	23.3	171.73	996.0	-227.7	1,835.5	1,805.0	60.302					
6,500.0	6,447.9	6,252.3	6,158.9	21.0	23.7	171.78	1,018.7	-232.3	1,861.6	1,830.6	60.034					
6,600.0	6,547.7	6,443.9	6,348.9	21.2	24.2	171.82	1,043.3	-237.2	1,881.1	1,849.5	59.503					
6,700.0	6,647.6	6,639.5	6,543.8	21.4	24.6	171.84	1,058.8	-240.4	1,893.1	1,860.9	58.835					
6,803.4	6,751.0	6,843.9	6,748.1	21.5	24.9	-6.66	1,064.5	-241.5	1,897.4	1,864.7	57.972					
6,900.0	6,847.6	6,849.9	6,754.0	21.7	24.9	-6.66	1,064.5	-241.5	1,899.7	1,866.8	57.715					
7,000.0	6,947.6	6,849.9	6,754.0	21.8	24.9	-6.66	1,064.5	-241.5	1,907.2	1,874.2	57.664					
7,100.0	7,047.6	6,849.9	6,754.0	21.9	24.9	-6.66	1,064.5	-241.5	1,920.0	1,886.7	57.767					
7,200.0	7,147.6	6,849.9	6,754.0	22.0	24.9	-6.66	1,064.5	-241.5	1,937.8	1,904.4	58.018					
7,300.0	7,247.6	6,849.9	6,754.0	22.1	24.9	-6.66	1,064.5	-241.5	1,960.5	1,927.0	58.412					
7,400.0	7,347.6	6,849.9	6,754.0	22.3	24.9	-6.66	1,064.5	-241.5	1,988.1	1,954.3	58.941					
7,500.0	7,447.6	6,849.9	6,754.0	22.4	24.9	-6.66	1,064.5	-241.5	2,020.2	1,986.3	59.598					
7,600.0	7,547.6	6,849.9	6,754.0	22.5	24.9	-6.66	1,064.5	-241.5	2,056.7	2,022.6	60.374					
7,700.0	7,647.6	6,849.9	6,754.0	22.6	24.9	-6.66	1,064.5	-241.5	2,097.3	2,063.1	61.261					
7,800.0	7,747.6	6,849.9	6,754.0	22.8	24.9	-6.66	1,064.5	-241.5	2,141.8	2,107.4	62.251					
7,900.0	7,847.6	6,849.9	6,754.0	22.9	24.9	-6.66	1,064.5	-241.5	2,190.0	2,155.4	63.335					
8,000.0	7,947.6	6,849.9	6,754.0	23.0	24.9	-6.66	1,064.5	-241.5	2,241.6	2,206.9	64.504					
8,100.0	8,047.6	6,849.9	6,754.0	23.2	24.9	-6.66	1,064.5	-241.5	2,296.4	2,261.5	65.751					
8,200.0	8,147.6	6,849.9	6,754.0	23.3	24.9	-6.66	1,064.5	-241.5	2,354.2	2,319.1	67.068					
8,300.0	8,247.6	6,849.9	6,754.0	23.4	24.9	-6.66	1,064.5	-241.5	2,414.7	2,379.5	68.449					
8,400.0	8,347.6	6,849.9	6,754.0	23.6	24.9	-6.66	1,064.5	-241.5	2,477.8	2,442.4	69.886					
8,500.0	8,447.6	6,849.9	6,754.0	23.7	24.9	-6.66	1,064.5	-241.5	2,543.3	2,507.7	71.373					
8,600.0	8,547.6	6,849.9	6,754.0	23.8	24.9	-6.66	1,064.5	-241.5	2,611.0	2,575.1	72.904					
8,700.0	8,647.6	6,849.9	6,754.0	24.0	24.9	-6.66	1,064.5	-241.5	2,680.6	2,644.6	74.474					
8,800.0	8,747.6	6,849.9	6,754.0	24.1	24.9	-6.66	1,064.5	-241.5	2,752.2	2,716.0	76.079					
8,900.0	8,847.6	6,849.9	6,754.0	24.3	24.9	-6.66	1,064.5	-241.5	2,825.5	2,789.1	77.712					
9,000.0	8,947.6	6,849.9	6,754.0	24.4	24.9	-6.66	1,064.5	-241.5	2,900.3	2,863.8	79.372					
9,100.0	9,047.6	6,849.9	6,754.0	24.6	24.9	-6.66	1,064.5	-241.5	2,976.7	2,940.0	81.053					
9,200.0	9,147.6	6,849.9	6,754.0	24.7	24.9	-6.66	1,064.5	-241.5	3,054.4	3,017.5	82.753					
9,266.4	9,214.0	6,849.9	6,754.0	24.8	24.9	-6.66	1,064.5	-241.5	3,106.7	3,069.7	83.890					

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Inter-Site Error:	0.0	ft
Puckett WGV 21-23-697 Pad - Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs														
Reference		Offset		Semi Major Axis		Distance			Separation		Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
100.0	100.0	100.0	100.0	0.1	0.1	-127.61	-4.6	-5.9	7.5	7.3	33.368			
120.0	120.0	120.0	120.0	0.2	0.2	-127.61	-4.6	-5.9	7.5	7.2	23.834			
200.0	200.0	199.9	199.9	0.3	0.3	56.42	-5.7	-6.0	7.0	6.4	10.887			
300.0	299.6	299.7	299.6	0.6	0.5	85.46	-10.2	-6.3	6.0	4.9	5.537			
304.0	303.6	303.7	303.6	0.6	0.6	87.28	-10.5	-6.3	6.0	4.9	5.428			
332.8	332.2	332.5	332.3	0.7	0.6	101.22	-12.4	-6.4	6.2	5.0	4.926			
400.0	398.8	399.6	399.2	0.9	0.8	127.16	-17.6	-6.7	7.9	6.3	4.924			
500.0	498.0	499.4	498.7	1.2	1.0	146.81	-25.3	-7.2	12.0	9.9	5.820			
600.0	597.1	599.3	598.3	1.5	1.3	155.92	-33.0	-7.7	16.8	14.3	6.670			
700.0	696.3	699.2	697.9	1.8	1.6	160.93	-40.7	-8.2	21.8	18.8	7.327			
800.0	795.5	799.0	797.4	2.2	1.8	164.05	-48.4	-8.6	26.9	23.5	7.829			
900.0	894.6	898.9	897.0	2.5	2.1	166.17	-56.1	-9.1	32.1	28.2	8.219			
1,000.0	993.8	998.7	996.6	2.8	2.4	167.69	-63.8	-9.6	37.3	32.9	8.530			
1,100.0	1,092.9	1,098.6	1,096.1	3.2	2.6	168.85	-71.5	-10.1	42.5	37.6	8.781			
1,200.0	1,192.1	1,198.5	1,195.7	3.5	2.9	169.75	-79.2	-10.5	47.7	42.4	8.990			
1,300.0	1,291.2	1,298.3	1,295.2	3.8	3.2	170.47	-86.9	-11.0	52.9	47.2	9.164			
1,400.0	1,390.4	1,398.2	1,394.8	4.2	3.5	171.07	-94.6	-11.5	58.2	51.9	9.313			
1,500.0	1,489.6	1,498.0	1,494.4	4.5	3.7	171.56	-102.3	-12.0	63.4	56.7	9.441			
1,600.0	1,588.7	1,597.9	1,593.9	4.8	4.0	171.98	-110.0	-12.4	68.7	61.5	9.552			
1,700.0	1,687.9	1,697.8	1,693.5	5.2	4.3	172.34	-117.6	-12.9	74.0	66.3	9.649			
1,800.0	1,787.0	1,797.6	1,793.1	5.5	4.5	172.65	-125.3	-13.4	79.2	71.1	9.736			
1,900.0	1,886.2	1,897.5	1,892.6	5.8	4.8	172.92	-133.0	-13.9	84.5	75.9	9.812			
2,000.0	1,985.3	1,997.3	1,992.2	6.2	5.1	173.16	-140.7	-14.3	89.8	80.7	9.881			
2,100.0	2,084.5	2,097.2	2,091.7	6.5	5.3	173.38	-148.4	-14.8	95.0	85.5	9.943			
2,200.0	2,183.6	2,197.1	2,191.3	6.8	5.6	173.57	-156.1	-15.3	100.3	90.3	9.999			
2,300.0	2,282.8	2,296.9	2,290.9	7.2	5.9	173.74	-163.8	-15.8	105.6	95.1	10.050			
2,400.0	2,382.0	2,396.8	2,390.4	7.5	6.2	173.90	-171.5	-16.2	110.8	99.9	10.097			
2,500.0	2,481.1	2,496.7	2,490.0	7.8	6.4	174.04	-179.2	-16.7	116.1	104.7	10.139			
2,600.0	2,580.3	2,596.5	2,589.6	8.2	6.7	174.17	-186.9	-17.2	121.4	109.4	10.179			
2,700.0	2,679.4	2,696.4	2,689.1	8.5	7.0	174.29	-194.6	-17.7	126.6	114.2	10.215			
2,800.0	2,778.6	2,796.2	2,788.7	8.8	7.2	174.40	-202.3	-18.1	131.9	119.0	10.249			
2,900.0	2,877.7	2,896.1	2,888.2	9.2	7.5	174.50	-210.0	-18.6	137.2	123.8	10.280			
3,000.0	2,976.9	2,996.0	2,987.8	9.5	7.8	174.59	-217.7	-19.1	142.5	128.6	10.309			
3,100.0	3,076.1	3,095.8	3,087.4	9.9	8.0	174.68	-225.4	-19.6	147.7	133.4	10.336			
3,200.0	3,175.2	3,195.7	3,186.9	10.2	8.3	174.76	-233.1	-20.1	153.0	138.2	10.362			
3,300.0	3,274.4	3,295.5	3,286.5	10.5	8.6	174.83	-240.8	-20.5	158.3	143.0	10.385			
3,400.0	3,373.5	3,395.4	3,386.1	10.9	8.9	174.90	-248.5	-21.0	163.6	147.8	10.408			
3,500.0	3,472.7	3,495.3	3,485.6	11.2	9.1	174.97	-256.2	-21.5	168.8	152.7	10.429			
3,600.0	3,571.8	3,595.1	3,585.2	11.5	9.4	175.03	-263.9	-22.0	174.1	157.5	10.449			
3,700.0	3,671.0	3,695.0	3,684.7	11.9	9.7	175.09	-271.6	-22.4	179.4	162.3	10.468			
3,800.0	3,770.2	3,794.8	3,784.3	12.2	9.9	175.15	-279.3	-22.9	184.7	167.1	10.485			
3,900.0	3,869.3	3,894.7	3,883.9	12.5	10.2	175.20	-287.0	-23.4	189.9	171.9	10.502			
4,000.0	3,968.5	3,994.6	3,983.4	12.9	10.5	175.25	-294.7	-23.9	195.2	176.7	10.518			
4,100.0	4,067.6	4,094.4	4,083.0	13.2	10.7	175.29	-302.4	-24.3	200.5	181.5	10.533			
4,200.0	4,166.8	4,194.3	4,182.6	13.5	11.0	175.34	-310.1	-24.8	205.8	186.3	10.548			
4,300.0	4,265.9	4,294.1	4,282.1	13.9	11.3	175.38	-317.8	-25.3	211.0	191.1	10.561			
4,400.0	4,365.1	4,394.0	4,381.7	14.2	11.6	175.42	-325.4	-25.8	216.3	195.9	10.575			
4,500.0	4,464.2	4,493.9	4,481.2	14.5	11.8	175.46	-333.1	-26.2	221.6	200.7	10.587			

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Inter-Site Error:	0.0	ft
Puckett WGV 21-23-697 Pad - Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs														
Reference		Offset		Semi Major Axis		Distance			Between		Separation	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Factor			
4,600.0	4,563.4	4,593.7	4,580.8	14.9	12.1	175.49	-340.8	-26.7	226.9	205.5	10.599			
4,700.0	4,662.6	4,693.6	4,680.4	15.2	12.4	175.53	-348.5	-27.2	232.2	210.3	10.610			
4,800.0	4,761.7	4,793.4	4,779.9	15.5	12.6	175.56	-356.2	-27.7	237.4	215.1	10.621			
4,900.0	4,860.9	4,893.3	4,879.5	15.9	12.9	175.59	-363.9	-28.1	242.7	219.9	10.632			
5,000.0	4,960.0	4,993.2	4,979.1	16.2	13.2	175.62	-371.6	-28.6	248.0	224.7	10.642			
5,100.0	5,059.2	5,093.0	5,078.6	16.6	13.5	175.65	-379.3	-29.1	253.3	229.5	10.652			
5,200.0	5,158.3	5,192.9	5,178.2	16.9	13.7	175.68	-387.0	-29.6	258.5	234.3	10.661			
5,300.0	5,257.5	5,292.7	5,277.7	17.2	14.0	175.71	-394.7	-30.0	263.8	239.1	10.670			
5,400.0	5,356.7	5,392.6	5,377.3	17.6	14.3	175.73	-402.4	-30.5	269.1	243.9	10.678			
5,500.0	5,455.8	5,492.5	5,476.9	17.9	14.5	175.76	-410.1	-31.0	274.4	248.7	10.687			
5,600.0	5,555.0	5,592.3	5,576.4	18.2	14.8	175.78	-417.8	-31.5	279.7	253.5	10.695			
5,700.0	5,654.1	5,692.2	5,676.0	18.6	15.1	175.81	-425.5	-31.9	284.9	258.3	10.702			
5,800.0	5,753.3	5,792.1	5,775.6	18.9	15.3	175.83	-433.2	-32.4	290.2	263.1	10.710			
5,900.0	5,852.4	5,891.9	5,875.1	19.2	15.6	175.85	-440.9	-32.9	295.5	267.9	10.717			
6,000.0	5,951.6	5,991.8	5,974.7	19.6	15.9	175.87	-448.6	-33.4	300.8	272.7	10.724			
6,100.0	6,050.7	6,091.6	6,074.2	19.9	16.2	175.89	-456.3	-33.8	306.0	277.5	10.731			
6,200.0	6,149.9	6,191.5	6,173.8	20.2	16.4	175.91	-464.0	-34.3	311.3	282.3	10.737			
6,306.9	6,255.9	6,298.2	6,280.2	20.6	16.7	175.93	-472.2	-34.8	317.0	287.5	10.744			
6,400.0	6,348.4	6,391.3	6,373.0	20.8	17.0	175.93	-479.4	-35.3	320.7	290.8	10.718			
6,500.0	6,447.9	6,490.2	6,471.6	21.0	17.2	175.91	-487.0	-35.7	322.3	292.0	10.627			
6,600.0	6,547.7	6,582.4	6,563.7	21.2	17.4	175.88	-492.7	-36.1	322.8	292.1	10.534			
6,700.0	6,647.6	6,674.7	6,655.9	21.4	17.5	175.86	-496.2	-36.3	323.0	292.1	10.446			
6,803.4	6,751.0	6,772.8	6,754.0	21.5	17.7	-2.65	-497.4	-36.4	323.1	291.8	10.345			
6,806.4	6,754.1	6,772.9	6,754.1	21.5	17.7	-2.65	-497.4	-36.4	323.1	291.8	10.342			
6,900.0	6,847.6	6,773.1	6,754.3	21.7	17.7	-2.65	-497.4	-36.4	336.3	304.9	10.706			
7,000.0	6,947.6	6,773.1	6,754.3	21.8	17.7	-2.65	-497.4	-36.4	376.5	344.9	11.925			
7,100.0	7,047.6	6,773.1	6,754.3	21.9	17.7	-2.65	-497.4	-36.4	436.3	404.6	13.751			
7,200.0	7,147.6	6,773.1	6,754.3	22.0	17.7	-2.65	-497.4	-36.4	509.0	477.1	15.957			
7,300.0	7,247.6	6,773.1	6,754.3	22.1	17.7	-2.65	-497.4	-36.4	589.7	557.6	18.392			
7,400.0	7,347.6	6,773.1	6,754.3	22.3	17.7	-2.65	-497.4	-36.4	675.5	643.3	20.961			
7,500.0	7,447.6	6,773.1	6,754.3	22.4	17.7	-2.65	-497.4	-36.4	764.9	732.5	23.609			
7,600.0	7,547.6	6,773.1	6,754.3	22.5	17.7	-2.65	-497.4	-36.4	856.6	824.0	26.302			
7,700.0	7,647.6	6,773.1	6,754.3	22.6	17.7	-2.65	-497.4	-36.4	949.9	917.2	29.017			
7,800.0	7,747.6	6,773.1	6,754.3	22.8	17.7	-2.65	-497.4	-36.4	1,044.5	1,011.6	31.739			
7,900.0	7,847.6	6,773.1	6,754.3	22.9	17.7	-2.65	-497.4	-36.4	1,140.0	1,106.9	34.460			
8,000.0	7,947.6	6,773.1	6,754.3	23.0	17.7	-2.65	-497.4	-36.4	1,236.3	1,203.0	37.173			
8,100.0	8,047.6	6,773.1	6,754.3	23.2	17.7	-2.65	-497.4	-36.4	1,333.0	1,299.6	39.873			
8,200.0	8,147.6	6,773.1	6,754.3	23.3	17.7	-2.65	-497.4	-36.4	1,430.3	1,396.6	42.557			
8,300.0	8,247.6	6,773.1	6,754.3	23.4	17.7	-2.65	-497.4	-36.4	1,527.8	1,494.1	45.221			
8,400.0	8,347.6	6,773.1	6,754.3	23.6	17.7	-2.65	-497.4	-36.4	1,625.7	1,591.8	47.865			
8,500.0	8,447.6	6,773.1	6,754.3	23.7	17.7	-2.65	-497.4	-36.4	1,723.8	1,689.7	50.487			
8,600.0	8,547.6	6,773.1	6,754.3	23.8	17.7	-2.65	-497.4	-36.4	1,822.2	1,787.8	53.086			
8,700.0	8,647.6	6,773.1	6,754.3	24.0	17.7	-2.65	-497.4	-36.4	1,920.7	1,886.2	55.662			
8,800.0	8,747.6	6,773.1	6,754.3	24.1	17.7	-2.65	-497.4	-36.4	2,019.3	1,984.6	58.213			
8,900.0	8,847.6	6,773.1	6,754.3	24.3	17.7	-2.65	-497.4	-36.4	2,118.1	2,083.2	60.739			
9,000.0	8,947.6	6,773.1	6,754.3	24.4	17.7	-2.65	-497.4	-36.4	2,217.0	2,181.9	63.241			
9,100.0	9,047.6	6,773.1	6,754.3	24.6	17.7	-2.65	-497.4	-36.4	2,315.9	2,280.7	65.718			
9,200.0	9,147.6	6,773.1	6,754.3	24.7	17.7	-2.65	-497.4	-36.4	2,415.0	2,379.6	68.170			

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												
Puckett WGV 21-23-697 Pad - Puckett WGV 422-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Reference		Offset		Semi Major Axis			Distance			Inter-Site Error: 0.0 ft		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
9,266.4	9,214.0	6,773.1	6,754.3	24.8	17.7	-2.65	-497.4	-36.4	2,480.8	2,445.3	69.784	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
100.0	100.0	100.0	100.0	0.1	0.1	52.39	4.6	5.9	7.5	7.3	33.368		
120.0	120.0	120.0	120.0	0.2	0.2	52.39	4.6	5.9	7.5	7.2	23.834		
200.0	200.0	200.0	200.0	0.3	0.3	-138.92	4.6	5.9	8.9	8.2	13.174		
300.0	299.6	299.6	299.6	0.6	0.6	-158.17	4.6	5.9	15.7	14.6	13.617		
332.8	332.2	332.2	332.2	0.7	0.6	-162.43	4.6	5.9	19.4	18.1	14.770		
400.0	398.8	398.8	398.8	0.9	0.8	-167.85	4.6	5.9	27.9	26.3	17.337		
500.0	498.0	498.0	498.0	1.2	1.0	-171.70	4.6	5.9	40.6	38.6	19.827		
600.0	597.1	596.3	596.3	1.5	1.2	-173.91	5.4	5.8	54.3	51.8	21.708		
700.0	696.3	694.7	694.7	1.8	1.5	-175.50	7.6	5.6	69.4	66.4	23.437		
800.0	795.5	793.5	793.5	2.2	1.7	-176.54	9.9	5.3	84.6	81.2	24.789		
900.0	894.6	892.4	892.3	2.5	1.9	-177.27	12.3	5.0	99.9	96.0	25.815		
1,000.0	993.8	991.2	991.1	2.8	2.1	-177.81	14.6	4.7	115.1	110.8	26.617		
1,100.0	1,092.9	1,090.0	1,089.9	3.2	2.3	-178.22	16.9	4.5	130.4	125.6	27.260		
1,200.0	1,192.1	1,188.8	1,188.7	3.5	2.6	-178.54	19.3	4.2	145.7	140.5	27.788		
1,300.0	1,291.2	1,287.6	1,287.4	3.8	2.8	-178.80	21.6	3.9	161.0	155.3	28.228		
1,400.0	1,390.4	1,386.5	1,386.2	4.2	3.0	-179.02	24.0	3.6	176.3	170.1	28.600		
1,500.0	1,489.6	1,485.3	1,485.0	4.5	3.2	-179.20	26.3	3.3	191.6	185.0	28.918		
1,600.0	1,588.7	1,584.1	1,583.8	4.8	3.5	-179.35	28.7	3.1	206.9	199.8	29.195		
1,700.0	1,687.9	1,682.9	1,682.6	5.2	3.7	-179.49	31.0	2.8	222.2	214.6	29.437		
1,800.0	1,787.0	1,781.8	1,781.4	5.5	3.9	-179.60	33.4	2.5	237.5	229.5	29.650		
1,900.0	1,886.2	1,880.6	1,880.2	5.8	4.1	-179.71	35.7	2.2	252.8	244.3	29.840		
2,000.0	1,985.3	1,979.4	1,979.0	6.2	4.4	-179.80	38.0	1.9	268.1	259.1	30.009		
2,100.0	2,084.5	2,078.2	2,077.8	6.5	4.6	-179.88	40.4	1.6	283.4	274.0	30.161		
2,200.0	2,183.6	2,177.0	2,176.6	6.8	4.8	-179.95	42.7	1.4	298.7	288.8	30.299		
2,300.0	2,282.8	2,275.9	2,275.4	7.2	5.0	179.98	45.1	1.1	314.0	303.7	30.424		
2,400.0	2,382.0	2,374.7	2,374.2	7.5	5.3	179.92	47.4	0.8	329.3	318.5	30.538		
2,500.0	2,481.1	2,473.5	2,473.0	7.8	5.5	179.87	49.8	0.5	344.6	333.3	30.643		
2,600.0	2,580.3	2,572.3	2,571.8	8.2	5.7	179.82	52.1	0.2	359.9	348.2	30.739		
2,700.0	2,679.4	2,671.2	2,670.6	8.5	5.9	179.77	54.4	0.0	375.2	363.0	30.828		
2,800.0	2,778.6	2,770.0	2,769.4	8.8	6.2	179.73	56.8	-0.3	390.5	377.9	30.910		
2,900.0	2,877.7	2,868.8	2,868.1	9.2	6.4	179.69	59.1	-0.6	405.8	392.7	30.987		
3,000.0	2,976.9	2,967.6	2,966.9	9.5	6.6	179.66	61.5	-0.9	421.1	407.5	31.058		
3,100.0	3,076.1	3,066.4	3,065.7	9.9	6.8	179.62	63.8	-1.2	436.4	422.4	31.124		
3,200.0	3,175.2	3,165.3	3,164.5	10.2	7.1	179.59	66.2	-1.4	451.7	437.2	31.186		
3,300.0	3,274.4	3,264.1	3,263.3	10.5	7.3	179.56	68.5	-1.7	467.0	452.1	31.244		
3,400.0	3,373.5	3,362.9	3,362.1	10.9	7.5	179.54	70.8	-2.0	482.3	466.9	31.298		
3,500.0	3,472.7	3,461.7	3,460.9	11.2	7.7	179.51	73.2	-2.3	497.6	481.7	31.349		
3,600.0	3,571.8	3,560.5	3,559.7	11.5	8.0	179.49	75.5	-2.6	512.9	496.6	31.398		
3,700.0	3,671.0	3,659.4	3,658.5	11.9	8.2	179.46	77.9	-2.8	528.2	511.4	31.443		
3,800.0	3,770.2	3,758.2	3,757.3	12.2	8.4	179.44	80.2	-3.1	543.5	526.3	31.486		
3,900.0	3,869.3	3,857.0	3,856.1	12.5	8.6	179.42	82.6	-3.4	558.8	541.1	31.527		
4,000.0	3,968.5	3,955.8	3,954.9	12.9	8.9	179.40	84.9	-3.7	574.1	555.9	31.566		
4,100.0	4,067.6	4,054.7	4,053.7	13.2	9.1	179.39	87.3	-4.0	589.4	570.8	31.603		
4,200.0	4,166.8	4,153.5	4,152.5	13.5	9.3	179.37	89.6	-4.3	604.7	585.6	31.638		
4,300.0	4,265.9	4,252.3	4,251.3	13.9	9.5	179.35	91.9	-4.5	620.0	600.5	31.671		
4,400.0	4,365.1	4,351.1	4,350.0	14.2	9.8	179.34	94.3	-4.8	635.4	615.3	31.703		
4,500.0	4,464.2	4,449.9	4,448.8	14.5	10.0	179.32	96.6	-5.1	650.7	630.2	31.733		
4,600.0	4,563.4	4,548.8	4,547.6	14.9	10.2	179.31	99.0	-5.4	666.0	645.0	31.762		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design Puckett WGV 21-23-697 Pad - Puckett WGV 521-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs													Inter-Site Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor		
4,700.0	4,662.6	4,647.6	4,646.4	15.2	10.4	179.29	101.3	-5.7	681.3	659.8	31.790		
4,800.0	4,761.7	4,746.4	4,745.2	15.5	10.7	179.28	103.7	-5.9	696.6	674.7	31.816		
4,900.0	4,860.9	4,845.2	4,844.0	15.9	10.9	179.27	106.0	-6.2	711.9	689.5	31.842		
5,000.0	4,960.0	4,944.1	4,942.8	16.2	11.1	179.26	108.3	-6.5	727.2	704.4	31.866		
5,100.0	5,059.2	5,042.9	5,041.6	16.6	11.3	179.24	110.7	-6.8	742.5	719.2	31.890		
5,200.0	5,158.3	5,141.7	5,140.4	16.9	11.6	179.23	113.0	-7.1	757.8	734.0	31.912		
5,300.0	5,257.5	5,240.5	5,239.2	17.2	11.8	179.22	115.4	-7.3	773.1	748.9	31.934		
5,400.0	5,356.7	5,339.3	5,338.0	17.6	12.0	179.21	117.7	-7.6	788.4	763.7	31.954		
5,500.0	5,455.8	5,438.2	5,436.8	17.9	12.2	179.20	120.1	-7.9	803.7	778.6	31.974		
5,600.0	5,555.0	5,537.0	5,535.6	18.2	12.5	179.19	122.4	-8.2	819.0	793.4	31.994		
5,700.0	5,654.1	5,635.8	5,634.4	18.6	12.7	179.19	124.8	-8.5	834.3	808.3	32.012		
5,800.0	5,753.3	5,734.6	5,733.2	18.9	12.9	179.18	127.1	-8.8	849.6	823.1	32.030		
5,900.0	5,852.4	5,833.4	5,832.0	19.2	13.1	179.17	129.4	-9.0	864.9	837.9	32.047		
6,000.0	5,951.6	5,932.3	5,930.7	19.6	13.4	179.16	131.8	-9.3	880.2	852.8	32.064		
6,100.0	6,050.7	6,031.1	6,029.5	19.9	13.6	179.15	134.1	-9.6	895.5	867.6	32.080		
6,200.0	6,149.9	6,129.9	6,128.3	20.2	13.8	179.14	136.5	-9.9	910.8	882.5	32.096		
6,306.9	6,255.9	6,235.5	6,233.9	20.6	14.0	179.14	139.0	-10.2	927.2	898.3	32.112		
6,400.0	6,348.4	6,327.7	6,326.1	20.8	14.3	179.13	141.2	-10.4	940.3	911.0	32.072		
6,500.0	6,447.9	6,427.0	6,425.4	21.0	14.5	179.12	143.5	-10.7	951.9	922.2	31.998		
6,600.0	6,547.7	6,526.6	6,524.9	21.2	14.7	179.11	145.9	-11.0	960.9	930.8	31.864		
6,700.0	6,647.6	6,626.4	6,624.7	21.4	14.9	179.10	148.2	-11.3	967.3	936.8	31.673		
6,803.4	6,751.0	6,751.7	6,750.0	21.5	15.2	0.58	150.2	-11.5	970.4	939.5	31.362		
6,900.0	6,847.6	6,755.7	6,754.0	21.7	15.2	0.58	150.2	-11.5	974.9	943.8	31.321		
7,000.0	6,947.6	6,755.7	6,754.0	21.8	15.2	0.58	150.2	-11.5	989.5	958.2	31.626		
7,100.0	7,047.6	6,755.7	6,754.0	21.9	15.2	0.58	150.2	-11.5	1,013.8	982.4	32.235		
7,200.0	7,147.6	6,755.7	6,754.0	22.0	15.2	0.58	150.2	-11.5	1,047.2	1,015.6	33.122		
7,300.0	7,247.6	6,755.7	6,754.0	22.1	15.2	0.58	150.2	-11.5	1,088.7	1,056.9	34.256		
7,400.0	7,347.6	6,755.7	6,754.0	22.3	15.2	0.58	150.2	-11.5	1,137.6	1,105.6	35.605		
7,500.0	7,447.6	6,755.7	6,754.0	22.4	15.2	0.58	150.2	-11.5	1,192.8	1,160.7	37.138		
7,600.0	7,547.6	6,755.7	6,754.0	22.5	15.2	0.58	150.2	-11.5	1,253.6	1,221.3	38.825		
7,700.0	7,647.6	6,755.7	6,754.0	22.6	15.2	0.58	150.2	-11.5	1,319.2	1,286.7	40.641		
7,800.0	7,747.6	6,755.7	6,754.0	22.8	15.2	0.58	150.2	-11.5	1,388.9	1,356.2	42.562		
7,900.0	7,847.6	6,755.7	6,754.0	22.9	15.2	0.58	150.2	-11.5	1,462.1	1,429.3	44.568		
8,000.0	7,947.6	6,755.7	6,754.0	23.0	15.2	0.58	150.2	-11.5	1,538.3	1,505.3	46.644		
8,100.0	8,047.6	6,755.7	6,754.0	23.2	15.2	0.58	150.2	-11.5	1,617.1	1,584.0	48.774		
8,200.0	8,147.6	6,755.7	6,754.0	23.3	15.2	0.58	150.2	-11.5	1,698.2	1,664.8	50.947		
8,300.0	8,247.6	6,755.7	6,754.0	23.4	15.2	0.58	150.2	-11.5	1,781.2	1,747.7	53.153		
8,400.0	8,347.6	6,755.7	6,754.0	23.6	15.2	0.58	150.2	-11.5	1,865.8	1,832.1	55.383		
8,500.0	8,447.6	6,755.7	6,754.0	23.7	15.2	0.58	150.2	-11.5	1,951.9	1,918.0	57.631		
8,600.0	8,547.6	6,755.7	6,754.0	23.8	15.2	0.58	150.2	-11.5	2,039.3	2,005.2	59.891		
8,700.0	8,647.6	6,755.7	6,754.0	24.0	15.2	0.58	150.2	-11.5	2,127.8	2,093.5	62.158		
8,800.0	8,747.6	6,755.7	6,754.0	24.1	15.2	0.58	150.2	-11.5	2,217.2	2,182.8	64.427		
8,900.0	8,847.6	6,755.7	6,754.0	24.3	15.2	0.58	150.2	-11.5	2,307.6	2,273.0	66.696		
9,000.0	8,947.6	6,755.7	6,754.0	24.4	15.2	0.58	150.2	-11.5	2,398.7	2,363.9	68.962		
9,100.0	9,047.6	6,755.7	6,754.0	24.6	15.2	0.58	150.2	-11.5	2,490.4	2,455.5	71.221		
9,200.0	9,147.6	6,755.7	6,754.0	24.7	15.2	0.58	150.2	-11.5	2,582.8	2,547.7	73.472		
9,266.4	9,214.0	6,755.7	6,754.0	24.8	15.2	0.58	150.2	-11.5	2,644.5	2,609.2	74.961		

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												
Puckett WGV 21-23-697 Pad - Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs												
Reference		Offset		Semi Major Axis			Distance			Inter-Site Error:		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	
100.0	100.0	100.0	100.0	0.1	0.1	52.39	9.2	11.9	15.0	14.8	66.736	
120.0	120.0	120.0	120.0	0.2	0.2	52.39	9.2	11.9	15.0	14.7	47.669	
200.0	200.0	200.4	200.3	0.3	0.3	-129.55	7.5	12.0	15.3	14.6	23.565	
300.0	299.6	300.8	300.6	0.6	0.6	-131.17	0.6	12.4	16.5	15.4	14.943	
332.8	332.2	333.8	333.3	0.7	0.6	-131.89	-2.8	12.7	17.1	15.8	13.383	
400.0	398.8	401.3	400.3	0.9	0.8	-130.31	-11.5	13.2	17.8	16.1	10.815	
500.0	498.0	501.6	499.1	1.2	1.2	-116.30	-28.5	14.4	16.8	14.5	7.246	
545.9	543.5	547.4	544.1	1.3	1.4	-107.73	-36.8	14.9	16.7	14.0	6.217	
600.0	597.1	601.4	597.3	1.5	1.6	-97.65	-46.6	15.6	16.9	13.8	5.466	
700.0	696.3	701.3	695.5	1.8	2.0	-80.89	-64.7	16.7	18.7	14.9	4.914	
800.0	795.5	801.1	793.6	2.2	2.4	-67.89	-82.9	17.9	21.7	17.3	4.936	
900.0	894.6	901.0	891.8	2.5	2.8	-58.42	-101.0	19.1	25.6	20.6	5.189	
1,000.0	993.8	1,000.8	990.0	2.8	3.2	-51.57	-119.1	20.3	29.9	24.5	5.517	
1,100.0	1,092.9	1,100.7	1,088.2	3.2	3.6	-46.52	-137.2	21.5	34.6	28.7	5.852	
1,200.0	1,192.1	1,200.5	1,186.4	3.5	4.0	-42.69	-155.4	22.7	39.5	33.1	6.169	
1,300.0	1,291.2	1,300.4	1,284.6	3.8	4.4	-39.72	-173.5	23.9	44.5	37.6	6.459	
1,400.0	1,390.4	1,400.2	1,382.7	4.2	4.8	-37.35	-191.6	25.1	49.7	42.3	6.720	
1,500.0	1,489.6	1,500.1	1,480.9	4.5	5.3	-35.43	-209.7	26.3	54.8	47.0	6.955	
1,600.0	1,588.7	1,599.9	1,579.1	4.8	5.7	-33.84	-227.9	27.5	60.1	51.7	7.166	
1,700.0	1,687.9	1,699.8	1,677.3	5.2	6.1	-32.51	-246.0	28.7	65.4	56.5	7.354	
1,800.0	1,787.0	1,799.6	1,775.5	5.5	6.5	-31.38	-264.1	29.9	70.7	61.3	7.524	
1,900.0	1,886.2	1,899.5	1,873.7	5.8	6.9	-30.40	-282.2	31.1	76.0	66.1	7.677	
2,000.0	1,985.3	1,999.3	1,971.9	6.2	7.3	-29.56	-300.4	32.2	81.4	70.9	7.815	
2,100.0	2,084.5	2,099.2	2,070.0	6.5	7.7	-28.82	-318.5	33.4	86.7	75.8	7.942	
2,200.0	2,183.6	2,199.0	2,168.2	6.8	8.1	-28.16	-336.6	34.6	92.1	80.7	8.057	
2,300.0	2,282.8	2,298.9	2,266.4	7.2	8.5	-27.58	-354.7	35.8	97.5	85.5	8.162	
2,400.0	2,382.0	2,398.7	2,364.6	7.5	9.0	-27.06	-372.9	37.0	102.9	90.4	8.259	
2,500.0	2,481.1	2,498.6	2,462.8	7.8	9.4	-26.59	-391.0	38.2	108.3	95.3	8.349	
2,600.0	2,580.3	2,598.4	2,561.0	8.2	9.8	-26.16	-409.1	39.4	113.7	100.2	8.432	
2,700.0	2,679.4	2,698.3	2,659.1	8.5	10.2	-25.78	-427.2	40.6	119.1	105.1	8.508	
2,800.0	2,778.6	2,798.1	2,757.3	8.8	10.6	-25.42	-445.4	41.8	124.6	110.0	8.580	
2,900.0	2,877.7	2,898.0	2,855.5	9.2	11.0	-25.10	-463.5	43.0	130.0	115.0	8.646	
3,000.0	2,976.9	2,997.8	2,953.7	9.5	11.4	-24.80	-481.6	44.2	135.4	119.9	8.708	
3,100.0	3,076.1	3,097.7	3,051.9	9.9	11.8	-24.53	-499.7	45.4	140.9	124.8	8.766	
3,200.0	3,175.2	3,197.5	3,150.1	10.2	12.3	-24.27	-517.9	46.6	146.3	129.7	8.821	
3,300.0	3,274.4	3,297.4	3,248.2	10.5	12.7	-24.04	-536.0	47.7	151.7	134.6	8.872	
3,400.0	3,373.5	3,397.2	3,346.4	10.9	13.1	-23.82	-554.1	48.9	157.2	139.6	8.920	
3,500.0	3,472.7	3,497.1	3,444.6	11.2	13.5	-23.61	-572.2	50.1	162.6	144.5	8.966	
3,600.0	3,571.8	3,596.9	3,542.8	11.5	13.9	-23.42	-590.4	51.3	168.1	149.4	9.009	
3,700.0	3,671.0	3,696.8	3,641.0	11.9	14.3	-23.24	-608.5	52.5	173.5	154.4	9.049	
3,800.0	3,770.2	3,796.6	3,739.2	12.2	14.7	-23.07	-626.6	53.7	179.0	159.3	9.088	
3,900.0	3,869.3	3,896.5	3,837.3	12.5	15.1	-22.92	-644.7	54.9	184.4	164.2	9.124	
4,000.0	3,968.5	3,996.3	3,935.5	12.9	15.6	-22.77	-662.9	56.1	189.9	169.2	9.159	
4,100.0	4,067.6	4,096.2	4,033.7	13.2	16.0	-22.63	-681.0	57.3	195.3	174.1	9.192	
4,200.0	4,166.8	4,196.0	4,131.9	13.5	16.4	-22.49	-699.1	58.5	200.8	179.0	9.223	
4,300.0	4,265.9	4,295.9	4,230.1	13.9	16.8	-22.37	-717.2	59.7	206.3	184.0	9.253	
4,400.0	4,365.1	4,395.7	4,328.3	14.2	17.2	-22.25	-735.4	60.9	211.7	188.9	9.281	
4,500.0	4,464.2	4,495.6	4,426.4	14.5	17.6	-22.13	-753.5	62.1	217.2	193.8	9.309	

WILLIAMS COMPANIES, INC.

Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Offset Design												Inter-Site Error:	0.0	ft
Puckett WGV 21-23-697 Pad - Puckett WGV 522-23-697 - Wellbore #1 - Plan #1 02Feb07 kjs														
Reference		Offset		Semi Major Axis			Distance			Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Factor			
4,600.0	4,563.4	4,595.4	4,524.6	14.9	18.0	-22.02	-771.6	63.2	222.6	198.8	9.335			
4,700.0	4,662.6	4,695.3	4,622.8	15.2	18.4	-21.92	-789.7	64.4	228.1	203.7	9.360			
4,800.0	4,761.7	4,795.1	4,721.0	15.5	18.9	-21.82	-807.9	65.6	233.6	208.7	9.384			
4,900.0	4,860.9	4,895.0	4,819.2	15.9	19.3	-21.73	-826.0	66.8	239.0	213.6	9.407			
5,000.0	4,960.0	4,994.8	4,917.4	16.2	19.7	-21.64	-844.1	68.0	244.5	218.6	9.429			
5,100.0	5,059.2	5,094.7	5,015.6	16.6	20.1	-21.55	-862.2	69.2	250.0	223.5	9.450			
5,200.0	5,158.3	5,194.5	5,113.7	16.9	20.5	-21.47	-880.4	70.4	255.4	228.4	9.470			
5,300.0	5,257.5	5,294.4	5,211.9	17.2	20.9	-21.39	-898.5	71.6	260.9	233.4	9.490			
5,400.0	5,356.7	5,394.2	5,310.1	17.6	21.3	-21.32	-916.6	72.8	266.3	238.3	9.508			
5,500.0	5,455.8	5,494.1	5,408.3	17.9	21.7	-21.25	-934.7	74.0	271.8	243.3	9.527			
5,600.0	5,555.0	5,593.9	5,506.5	18.2	22.1	-21.18	-952.9	75.2	277.3	248.2	9.544			
5,700.0	5,654.1	5,693.8	5,604.7	18.6	22.6	-21.11	-971.0	76.4	282.7	253.2	9.561			
5,800.0	5,753.3	5,793.6	5,702.8	18.9	23.0	-21.05	-989.1	77.6	288.2	258.1	9.577			
5,900.0	5,852.4	5,893.5	5,801.0	19.2	23.4	-20.98	-1,007.2	78.7	293.7	263.1	9.593			
6,000.0	5,951.6	5,993.3	5,899.2	19.6	23.8	-20.92	-1,025.4	79.9	299.1	268.0	9.608			
6,100.0	6,050.7	6,093.2	5,997.4	19.9	24.2	-20.87	-1,043.5	81.1	304.6	273.0	9.623			
6,200.0	6,149.9	6,196.2	6,098.7	20.2	24.6	-20.82	-1,062.0	82.4	309.9	277.7	9.632			
6,306.9	6,255.9	6,312.1	6,213.2	20.6	24.9	-20.90	-1,080.1	83.5	313.1	280.4	9.574			
6,400.0	6,348.4	6,413.2	6,313.5	20.8	25.1	-21.05	-1,093.1	84.4	314.4	281.3	9.497			
6,500.0	6,447.9	6,521.8	6,421.5	21.0	25.4	-21.16	-1,104.0	85.1	315.5	282.1	9.428			
6,600.0	6,547.7	6,630.4	6,529.9	21.2	25.5	-21.24	-1,111.9	85.6	316.4	282.6	9.364			
6,700.0	6,647.6	6,739.1	6,638.4	21.4	25.7	-21.29	-1,116.7	86.0	316.9	282.8	9.305			
6,803.4	6,751.0	6,851.5	6,750.7	21.5	25.8	160.19	-1,118.5	86.1	317.1	282.8	9.238			
6,900.0	6,847.6	6,855.5	6,754.8	21.7	25.8	160.19	-1,118.5	86.1	330.4	295.9	9.577			
7,000.0	6,947.6	6,855.5	6,754.8	21.8	25.8	160.19	-1,118.5	86.1	371.2	336.5	10.710			
7,100.0	7,047.6	6,855.5	6,754.8	21.9	25.8	160.19	-1,118.5	86.1	431.7	396.8	12.401			
7,200.0	7,147.6	6,855.5	6,754.8	22.0	25.8	160.19	-1,118.5	86.1	504.9	469.9	14.439			
7,300.0	7,247.6	6,855.5	6,754.8	22.1	25.8	160.19	-1,118.5	86.1	586.1	550.9	16.686			
7,400.0	7,347.6	6,855.5	6,754.8	22.3	25.8	160.19	-1,118.5	86.1	672.3	637.1	19.057			
7,500.0	7,447.6	6,855.5	6,754.8	22.4	25.8	160.19	-1,118.5	86.1	762.0	726.5	21.500			
7,600.0	7,547.6	6,855.5	6,754.8	22.5	25.8	160.19	-1,118.5	86.1	853.9	818.3	23.985			
7,700.0	7,647.6	6,855.5	6,754.8	22.6	25.8	160.19	-1,118.5	86.1	947.5	911.7	26.493			
7,800.0	7,747.6	6,855.5	6,754.8	22.8	25.8	160.19	-1,118.5	86.1	1,042.3	1,006.3	29.009			
7,900.0	7,847.6	6,855.5	6,754.8	22.9	25.8	160.19	-1,118.5	86.1	1,137.9	1,101.8	31.527			
8,000.0	7,947.6	6,855.5	6,754.8	23.0	25.8	160.19	-1,118.5	86.1	1,234.3	1,198.0	34.040			
8,100.0	8,047.6	6,855.5	6,754.8	23.2	25.8	160.19	-1,118.5	86.1	1,331.2	1,294.7	36.543			
8,200.0	8,147.6	6,855.5	6,754.8	23.3	25.8	160.19	-1,118.5	86.1	1,428.5	1,391.9	39.033			
8,300.0	8,247.6	6,855.5	6,754.8	23.4	25.8	160.19	-1,118.5	86.1	1,526.2	1,489.4	41.509			
8,400.0	8,347.6	6,855.5	6,754.8	23.6	25.8	160.19	-1,118.5	86.1	1,624.1	1,587.2	43.969			
8,500.0	8,447.6	6,855.5	6,754.8	23.7	25.8	160.19	-1,118.5	86.1	1,722.3	1,685.2	46.410			
8,600.0	8,547.6	6,855.5	6,754.8	23.8	25.8	160.19	-1,118.5	86.1	1,820.7	1,783.4	48.833			
8,700.0	8,647.6	6,855.5	6,754.8	24.0	25.8	160.19	-1,118.5	86.1	1,919.2	1,881.8	51.237			
8,800.0	8,747.6	6,855.5	6,754.8	24.1	25.8	160.19	-1,118.5	86.1	2,017.9	1,980.3	53.621			
8,900.0	8,847.6	6,855.5	6,754.8	24.3	25.8	160.19	-1,118.5	86.1	2,116.7	2,078.9	55.984			
9,000.0	8,947.6	6,855.5	6,754.8	24.4	25.8	160.19	-1,118.5	86.1	2,215.7	2,177.7	58.327			
9,100.0	9,047.6	6,855.5	6,754.8	24.6	25.8	160.19	-1,118.5	86.1	2,314.7	2,276.5	60.649			
9,200.0	9,147.6	6,855.5	6,754.8	24.7	25.8	160.19	-1,118.5	86.1	2,413.8	2,375.4	62.950			
9,266.4	9,214.0	6,855.5	6,754.8	24.8	25.8	160.19	-1,118.5	86.1	2,479.6	2,441.1	64.467			

WILLIAMS COMPANIES, INC.

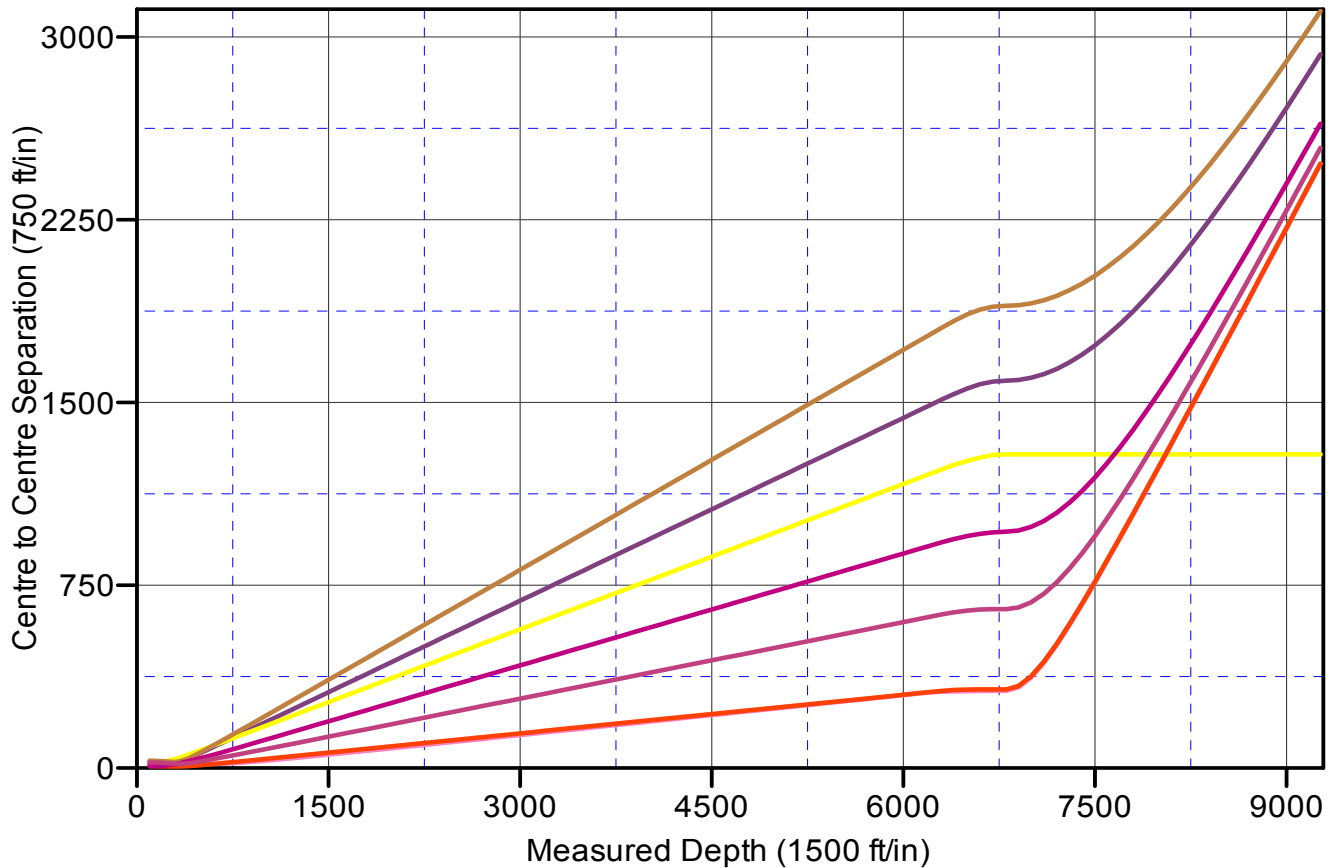
Anticollision Report

Company:	Williams Production RMT Co.	Local Co-ordinate Reference:	Well Puckett WGV 22-23-697 - Slot A4
Project:	Sec. 23 T6S R97W	TVD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Site:	Puckett WGV 21-23-697 Pad	MD Reference:	WELL @ 8593.0ft (Original Well Elev)
Reference Well:	Puckett WGV 22-23-697	North Reference:	True
Reference Bore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Reference Design:	Plan #1 02Feb07 kjs	Output errors are at	2.00 sigma
		Database:	EDM Database

Vertical Depths are relative to WELL @ 8593.0ft (Original Well Elev). Northing and Easting are relative to Puckett WGV 22-23-697 - Slot A4

Coordinate System is US State Plane 1927 (Exact solution), Colorado Central 502

Central Meidian is 105° 30' 0.000 W °, Grid Convergence at Surface is: -1.70°



LEGEND

21-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 421-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 322-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0
21-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 421-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 322-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0
22-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0 Puckett WGV 521-23-697, Wellbore #1, Plan #1 02Feb07 kjs V0

GEOLOGIC & DRILLING PROGNOSIS

WELL NAME:	Puckett WGV 22-23-697		LOCATION: Sec 23-6S-97W
	Deviated Hole		Surface: NE-NW 1196' FNL X 1986' FWL
PAD:	WGV 21-23-697		Bottom hole: SE-NW 2017' FNL X 1964' FWL
COUNTY:	GARFIELD	STATE:	COLORADO
ELEVATION:	Graded Elev. 8577	Ungraded Elev. 8581.1	KELLY BUSHING: 8594 Rig :17' KB
ESTIMATE TOPS:			
Formation	MD	TVD	
Mahogany	872	867 E	
Orange Marker	2293	2276 E	
Wasatch	2509	2490 E	
G' Sand	4571	4535 E	
Ft. Union	4909	4870 E	
Mesaverde	6151	6101 E	
Approx. Top Gas	6803	6751 E	
Cameo Coals	8603	8551 E	
Rollins SS	9016	8964 E	
TD	9266	9214	

MUD LOGGING: 4271 to TD. (One man logging unit with at least total gas, lithology, and drill rate.)

LOGGING PROGRAM: OPEN HOLE - Triple Combo - (Induction-Neutron-Density-GR-SP) from TD to base of surf casing.
GR to surface.
& CASSED HOLE - RMT - from TD to 100' above the Mesaverde top and 200' below G Sand to 200' above G Sand

CSG & CEMENT PROGRAM: SHOE TEST REQUIRED (10-ACRE 2003 FEE LANDS)						
	csg size (in)	depth set at	hole size (in)	Volume cf	WOC (hrs)	
Conductor						
Surface	9 5/8	2761	14 3/4	1866	8	Note: Cement volume based on gauge hole to surface
Intermediate						
Liner or Production	4 1/2	9266	7 7/8	As determined at TD		

MUD PROGRAM: (Do not deviate from mud engineer's recommendation without prior consent from Denver office)

FROM	TO	TYPE MUD	#/GAL	VIS	WL	CHEMICALS
0	2761	Air/Mist	Water/Air	45-50		
2761	9266	LSND	8.5-9.0	40-50	8-10	

(Write mud added to system on tour sheets and report all mud mixed and daily cost in morning report)

LOST CIRCULATION: Report depth and bbls of mud lost on morning report and tour sheet - Any severe lost circulation problems should be reported immediately to well supervisor.

WILLIAMS GEOLOGISTS:	Office	Home	Cell	E-Mail
Mark King	303- 606-4375	720-962-9163	303-910-8786	mark.g.king@williams.com
Paul Kovach	303- 606-4255	303-235-0304	303-907-1618	



Williams Production RMT

Puckett WGV 22-23-697

**SST
53**

Sec 23 T6S R 97W

Garfield County, Colorado

September 14, 2007

ADVANTAGE DRILLING FLUIDS



Scot Stretch
Advantage Drilling Fluids
1831 Left Hand Circle, Suite C
Longmont, CO 80501

9/14/2007

Allan Scharf
Sr. Drilling Engineer
Williams Production RMT
1515 Arapahoe St., Suite 1000
Denver, CO 80202

Drilling Fluids Recap

Mr. Scharf

Advantage Drilling Fluids would like to thank Willaims for the opportunity to work on this project. Attached is the Drilling Fluids Recap for the Puckett WGV 22-23-697 well. If you have any questions or concerns please contact myself or anyone else at Advantage Drilling Fluids.

Thank you again and we look forward to working with you in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'S Stretch', with a long horizontal line extending to the right.

Scot Stretch
Business Development
O (303) 872-2700
C (303) 818-2667
scot.stretch@advantagedrillingfluids.com



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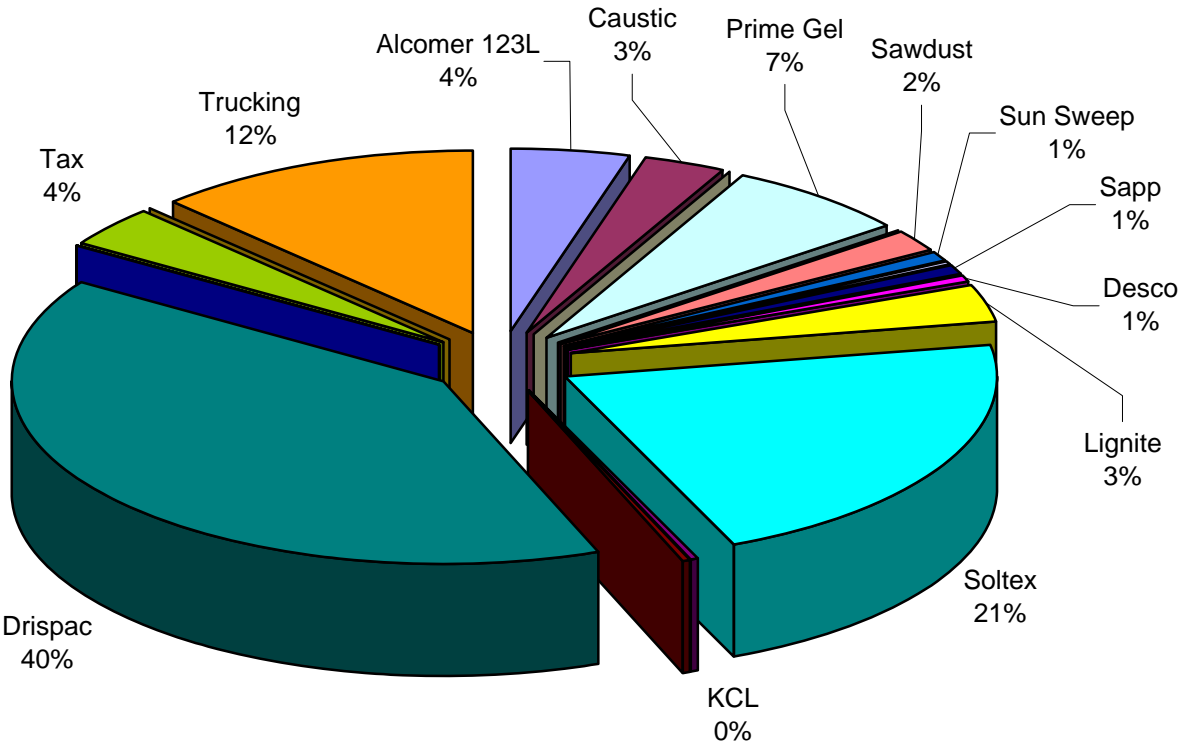
Interval Discution

Days vs Depth Graph

Cost vs Depth Graph

Operator: Williams Production RMT Well Name: Puckett WGV 22-23-697 Legals: Sec 23 T6S R 97W Cty, State: Garfield County, Colorado						Contractor SST Rig # 53					Spud Date 8/29/2007 TD Date 9/13/2007					Account Rep:Scot Stretch Mud Eng: Kevin Moore Robert Howard					Advantage Drilling Fluids 1831 Lefthand Cir, Suite C Longmont, CO 80501 303.827.2700									
Activity	Rpt #	Date	MD	TVD	Bit Size Inch	Mud Weight ppg	Rheology				pH	Fluid Loss ml/ 30min	Filter Cake 32nd in	PM	pf/mf	Hardne ss mg/l	Chlorides mg/l	MBT equiv. ppb	Sand %	Solid %	Water %	LGS ppb / %	HGS ppb / %	Rheometer Data						
							FV	PV	YP	10sec/ 10min														600	300	200	100	6	3	
Rig up	1	8/29/2007	0	0		8.75	39	10	7	3/5	12.6	14.4	2	1.42	.89/1.32	40	450			3	97	27/3	0/0	27	17					
Drilling	2	8/30/2007	789	789	14.75	8.8	32	8	2	1/2	11	12.8	2	0.45	.29/.83	40	500			3	97	27/3	0/0	18	10					
Drilling	3	8/31/2007	2528	2528	14.75	9.2	37	12	5	2/9	10.6	13.6	2	1	.31/.86	40	500		tr	6	94	55/6	0/0	29	17					
Run Surface Casing	4	9/1/2007	2785	2785		8.95	42	11	6	2/5	10.4	12	2	0.6	.15/.7	40	500		tr	6	94	46/5	0/1	28	17					
WOC	5	9/2/2007	2785	2785		8.8	91	29	36	6/12	10.7	5.6	1	0.32	.1/1.0	80	450		0.25	6	93	46/5	0/1	94	65					
Drilling	6	9/3/2007	2792	2792	7.875	8.8	91	28	44	10/20	10.4	4.8	2	0.15	.05/1.0	80	500		0.1	6	93	46/5	0/1	100	72					
Drilling	7	9/4/2007	5145	5145	7.875	9.35	64	30	20	6/10	10.1	3.2	2	0.45	.07/.43	50	400		0.05	9	90	73/8	0/1	80	50					
Drilling	8	9/5/2007	6441	6441	7.875	9.6	64	35	10	9/14	10.4	5.6	2	0.7	1.0/2.6	80	1150		1	17	83	109/12	0/5	70	45					
Drilling	9	9/6/2007	6441	6441	7.875	8.85	63	26	19	9/20	10.9	4.8	2	0.57	.27/1.0	80	500		0.25	4.6	95.4	46/5	0/0	71	45					
Drilling	10	9/7/2007	6629	6629	7.875	9.1	75	24	21	5/11	10.4	4	2	0.35	.09/.7	80	550		0.25	9	90.95	64/7	0/2	69	45					
Drilling	11	9/7/2007	7405	7405	7.875	9.25	82	47	10	9/19	10.9	4	2	0.8	.47/1.65	80	500		0.4	8.5	91	64/7	0/1	90	57					
Drilling	12	9/9/2007	8523	8523	7.875	9.3	80	33	27	10/19	10.5	4	2	0.47	.25/1.27	80	600		0.5	9.5	89.5	73/8	0/1	93	60					
LAY Down Drill Pipe	13	9/10/2007	9277	9277	7.875	9.45	62	28	19	8/12	10.5	4	2	0.4	.15/1.33	60	450		0.5	12.75	86.5	91/10	0/3	75	47					
Work pipe	14	9/11/2007	5959	5959	7.875	9.6	51	26	13	6/10	9.8	4	1	0.23	.08/1.27	80	500		0.25	10	89.5	91/10	0/0	65	39					
Wait on logs	15	9/12/2007	9175	9175		9.2	76	29	22	6/10	9.6	4	2	0.15	.09/1.13	80	500		0.2	10.75	88.5	73/8	0/3	80	51					
Rig Down to Skid	16	9/13/2007	9277	9277																		0/0	0/0							

Cost Breakdown Graph
Puckett WGV 22-23-697



Daily Mud Rpt Remarks
8/29/2007
TO Drill Surface Build and maintain a 36-38 VIS, Water 8-10 GPM and all solids control equipment for weight and volume while drilling. Maintain a 10.5 pH. Keep the mud weight as low as possible while drilling. Treat Seepage and losses with sawdust as need
8/30/2007
TO Drill Surface Build and maintain a 36-38 VIS, Add 1/2-1 gallon Alcomer 123 down drill pipe on connections Water 8-10 GPM and all solids control equipment for weight and volume while drilling. Maintain a 10.5 pH. Keep the mud weight as low as possible w
8/31/2007
TO Drill Surface Build and maintain a 36-38 VIS, Add 1/2-1 gallon Alcomer 123 down drill pipe on connections Water 8-10 GPM and all solids control equipment for weight and volume while drilling. Maintain a 10.5 pH. Keep the mud weight as low as possible w
9/1/2007
Tourly Treatment Maintain a 70 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 8 sx lignite / tour 1.5 hrs per sk 5 sx b
9/2/2007
Tourly Treatment Maintain a 70 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 8 sx lignite / tour 1.5 hrs per sk 5 sx b
9/3/2007
Tourly Treatment Maintain a 70 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 8 sx lignite / tour 1.5 hrs per sk 5 sx b
9/4/2007
Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 8 sx lignite / tour 1.5 hrs per sk, 1/
9/5/2007
Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 12 sx Drispac / tour 1.5 hrs pre sk, 12 sx Soltex / tour 1.5 hrs per sk, 10 sx lignite / tour 1.5 hrs per sk, 1
9/6/2007
Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 12 sx Drispac / tour 1.5 hrs pre sk, 12 sx Soltex / tour 1.5 hrs per sk, 10 sx lignite / tour 1.5 hrs per sk, 1
9/7/2007
Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 12 sx Drispac / tour 1.5 hrs pre sk, 12 sx Soltex / tour 1.5 hrs per sk, 10 sx lignite / tour 1.5 hrs per sk, 1
9/8/2007

Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 10 sx lignite / tour 1.5 hrs per sk, 1
9/9/2007
Tourly Treatment Maintain a 70-80 VIS, Maintain a 10.5 pH, Water 3-5 GPM and all solids control equipment for weight and volume while drilling. 10 sx Drispac / tour 1.5 hrs pre sk, 10 sx Soltex / tour 1.5 hrs per sk, 10 sx lignite / tour 1.5 hrs per sk, 1
9/10/2007
Maintian VIS and Weight to run production casing. After Casing is on bottom circulate for 2-3 circulations prior to cement. Monitor pits for gain and losses, treat losses with sawdust as
9/11/2007
When on bottom Build volume and maintain a 120+ VIS prior to circulating. Treatment add 6 sx Drispac, 6 sx Soltex, 5 sx Lignite, Caustic as needed to maintain a 10.5+ pH. Gel as needed to maintain VIS. Sawdust as needed for losses, Circulate for 2-3 circ
9/12/2007
If the Drill string needs to be Tripped back in follow treatment, when on bottom Build volume and maintain a 120+ VIS prior to circulating. Treatment add 8 sx Drispac, 8 sx Soltex, 8 sx Lignite, Caustic as needed to maintain a 10.5+ pH. Gel as needed to
9/13/2007
End of well

Daily Mud Materials Comments

8/29/2007

Rig up to Drill Surface

8/30/2007

Drilling Surface @ 789' MD @ Report time

8/31/2007

Drilling Surface @ 2528' MD @ Report time

9/1/2007

Drilled Surface to 2785' MD @ Report time Running Surface casing,
While waiting on cement mix mud for after cement drill out. Mix 12 sx Drispac, 12 sx soltex, 12 sx lignite, Gel for a 70 VIS, Caustic as needed to maintain a 10.5 pH. Diesel for 1 1/2-2 %.

9/2/2007

Drilled Surface to 2785' MD @ Report time Ran Surface casing & cemented,, WOC
While waiting on cement mix mud for after cement drill out. Mix 12 sx Drispac, 12 sx soltex, 12 sx lignite, Gel for a 70 VIS, Caustic as needed to maintain a 10.5 pH. Diesel fo

9/3/2007

Drilled Surface to 2792' MD @ Report time
While waiting on cement mix mud for after cement drill out. Mix 12 sx Drispac, 12 sx soltex, 12 sx lignite, Gel for a 70 VIS, Caustic as needed to maintain a 10.5 pH. Diesel for 1 1/2-2 %.

To Drill Cement, Dri

9/4/2007

Drilled Surface to 5145' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

9/5/2007

Drilled Surface to 6441' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

While building mud and slugging pit add 1 sk Drispac and 1 sk Soltex. Maintain at a 65 VIS and roll into the

9/6/2007

Drilled Surface to 6441' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

While building mud and slugging pit add 1 sk Drispac and 1 sk Soltex. Maintain at a 65 VIS and roll into the system.

9/7/2007

Drilled Surface to 6629' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

9/8/2007

Drilled Surface to 7405' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

9/9/2007

Drilled Surface to 8523' MD @ Report time

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

Daily Mud Materials Comments Continued

9/10/2007

Drilled to 9277' MD @ Report time, Lay Down Drill Pipe to Run Production Casing

For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

9/11/2007

Drilled to 9277' MD @ Report time, Casing hung up at approx. 4800'-4900', TOOH with casing and back in with drill pipe to ream to bottom. The Drill String went to approx. 5900' and had to work it.

For every 100 bbls drilling fluid added add 1 sk Drispac

9/12/2007

Drilled to 9175' MD @ Report time, TOOH to Run Logs

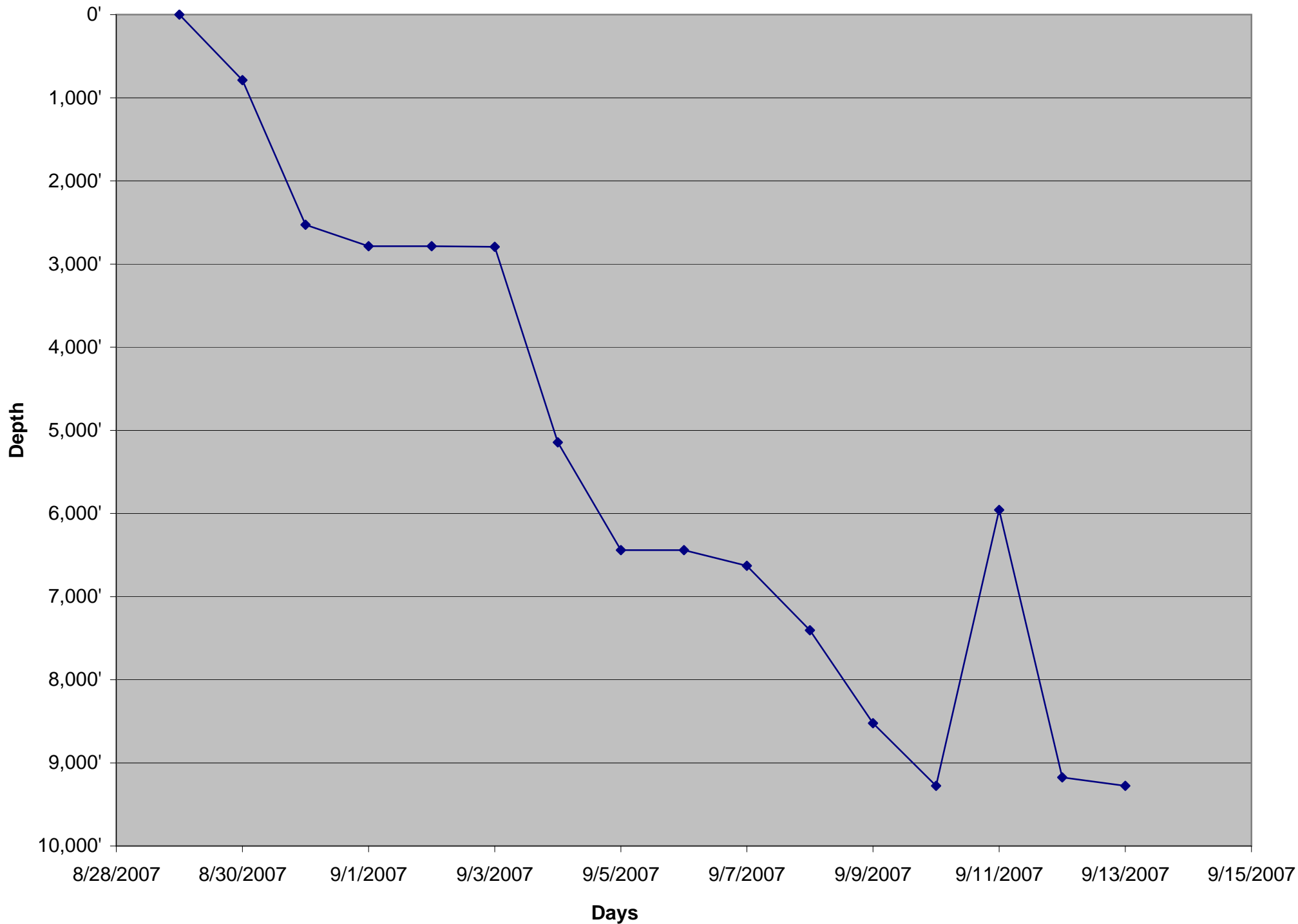
For every 100 bbls drilling fluid added add 1 sk Drispac and 1 sk Soltex

After Logs are completed and casing is ran to bottom circulate for 2-3 circulations prior to cement, monitor pits for gains or l

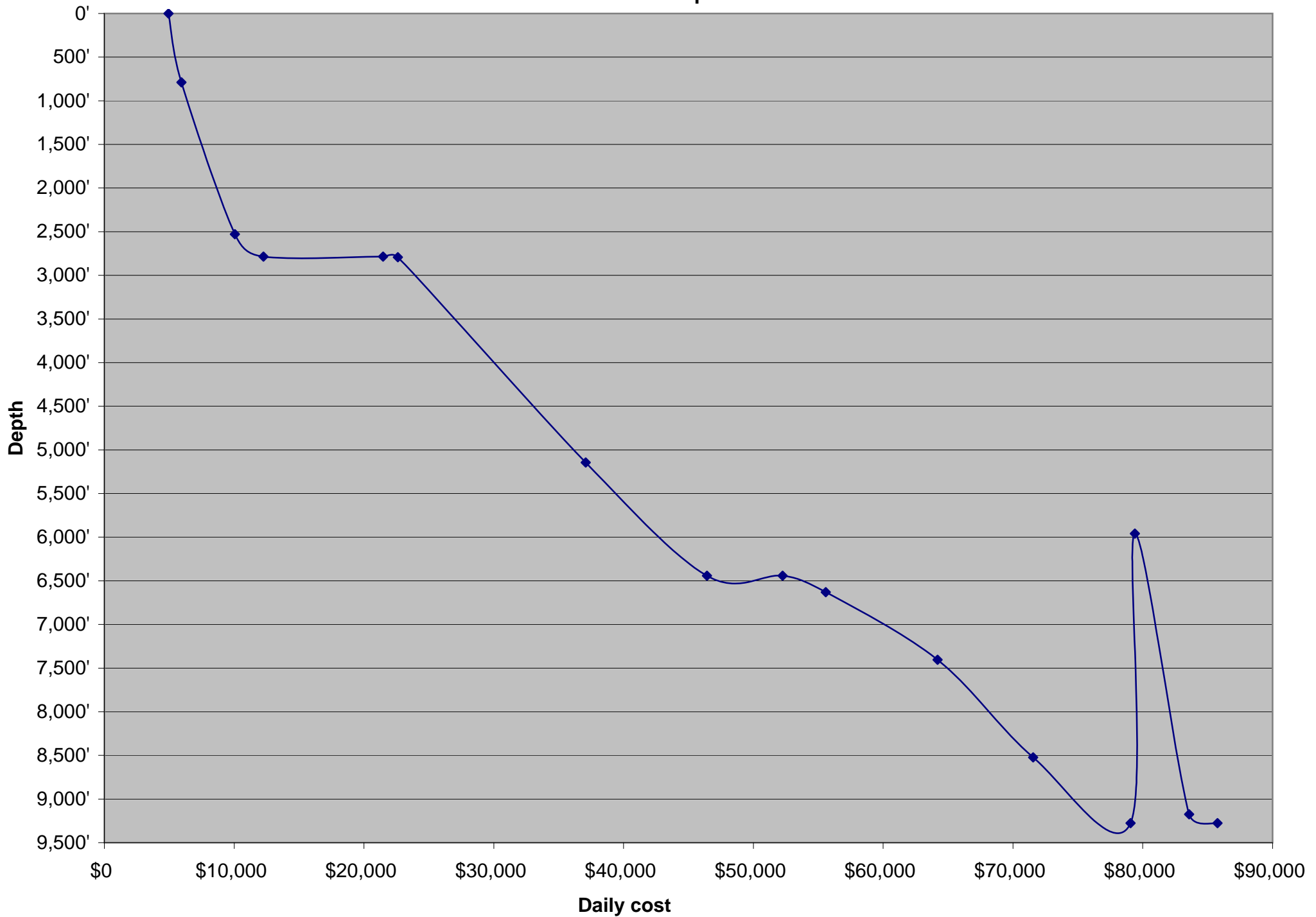
9/13/2007

End of well skid rig to new well, Puckett WGV 21-23-697, same legals

Days vs Depth



Cost vs Depth



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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Report Number (X5)
Date (T7)
Spud Date (W7)
Measured Depth (X8)
TVD (V9)
Operator (F10)
Contractor (N10)
Rig Number (W10)
Report for Mr. #1 (F11)
Report for Mr. #2 (N11)
Sec/Toenship/Range (U12)
Well Number (D13)
State and Province (N3))
Present Activity (E15)
Bit Size (D17)
TFA (F17)
Surface Dia. (G16)
Surface Depth (H16)
Inter #1 Dia.(G18)
Inter #1 DepthDia.(H18)
Inter #2 Dia.Depth (G20)
Inter #2 Dia.Depth (H20)
Production/Liner Dia(G22)
Production/Liner Depth (H22)
Hole Volume (J16)
Pit Volume (M16)
TTL Circ(J18)

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
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In Storage(J20)
Wt ppg (M20)
Mud Type (J22)
Pump #1 Bbl/Sik (N16)
Pump#2 BBL/Stk (Q16)
Pump #1 Stk/Min (N18)
Pump Eff. (R20)
TTL BBL/Stk. (N20)
Eff % (R20)
BBL/Min. (N22)
Gal/Min.(R22)
Annular Vel DP (V16)
Annular Vel. DC (Y16)
Circ. Pressure (X17)
Bottom Up Strks (X20)
Bottoms Up Min(Y20)
Surface to Bit Strokes(X21)
Surface to Bit Min. (Y21)
TTL Circ. Strokes (X22)
TTL Circ. Min.(Y22)
Sample Taken Temp.(D23)
Time(H24)
Depth(H25)
Mud Weight(H26)
Mud Grad. (H27)
FV (H28)
PV(H29)
YP(H30)
Gels 10sec/10min/30 min(H31)
Fluid Loss(H32)
Filter Cake 1/32 (H33)
pH (H34)

60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92
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PM (H35)
pf/mf (H36)
Sand Cont. % (H37)
Solid Cont. % (H38)
Water Cont. (H39)
Oil Cont. (H40)
T. Hardness (H41)
MBT (H42)
Salinity (H43)
Low Gravity Solids (H44)
High Gravity Solids (H45)
1 (H46)
2 (H47)
3 (H48)
4 (H49)
5 (H50)
6 (H51)
7 (H52)
8 (H53)
9 (H54)
10 (H55)
11 (H56)
Shaker #1 Brand (O24)
Shaker #1 API (P24)
Shaker #1 Hrs. (R 24)
Shaker #2 Brand (O25)
Shaker #2 API (P25)
Shaker #2 Hrs. (R25)
Shaker #3 Brand (O26)
Shaker #3 API (P26)
Shaker #3 Hrs. (R26)
Sahker #4 Brand(V24)
Shaker #4 API (X24)

93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121
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Shaker #4 Hrs. Y24)
Mud Cleaner Brand (V25)
Mud Cleaner API (X25)
Mud Cleaner Hrs. (Y25)
Centrifuge Brand #1 (V26)
Centrifuge Brand #2 (X26)
Centrifuge Hrs (Y26)
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Remarks (B65)
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TTL Trucking (T57)
Daily Cost (Y57)
Mud Recd (X60)
Mud Made (X61)
Water Used (X62)
Loss Downhole(X64)
SC Equipment (X65)
Loss Other(X66)
TTL Loss (X67)
Time 1 (F69)
Time 2 (F70)
Time 3 (F71)
Time 4 (F72)
Time 5 (F73)
Time 6 (F74)
Time 7 (F75)
TTL Time F76)
D- Sander under flow (K69)
D-Silter Underflow (K70)

122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151
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Mud Cleaner Underflow (K71)
Hole Cleaning DC/OH Angle (H74)
Hole Cleaning DC/OH Trans Ration (I74)
Hole Cleaning HW/OH Angle (H75)
Hole Cleaning HW/OH Trans Ratio (I75)
Hole Cleaning DP csg Angle (H76)
Hole Cleaning DP csg Trans Ratio (H76)
n Factor (N69)
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% PL (R72)
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Impact Force (X72)
IF/in ² (Y72)
R600 (O74)
R300 (O75)
R200 (O76)
R100 (R74)
R6 (R75)
R3 (R76)
Hole Angle (W74)
Azmith (W75)
Dispalcement (W76)
DF Rep. (F77)
Phone (K77)
Warehouse Number (V77)



Exploration and Production Well Completion Procedure

Wellname: **Puckett WGV 22-23-697**
 Location: **SENW S23 T6S R97W**
 Field: **West Grand Valley**

Prepared By: Gabe D'Arthenay
 office phone: (303) 606-4287
 cell phone: (303) 570-8963

Date: **8-Oct-07**

Revision **0**

Frac 3-4 stages per day and flowback overnight (9 total stages).

15-20% quality CO2 will be used on the last 2 stages.

Design frac pads for 10,000 gals on the first day's frac and reduce the remaining pads on the same day to 8,000 gals.

Flowback every night on 24/64" or 26/64" choke and filter water.

Surface Casing - 9-5/8" 36 & 40 lb/ft, J-55 LT&C (string min Burst: 2560 psi, Collapse: 1740 psi)
Surface Casing Depth - 2760'

Production Casing - 4-1/2" 11.6 lb/ft, I-80 (Burst: 7780 psi; Collapse: 6350 psi)
Production Casing Depth - 9129'

0.6528 gal/ft volume

Plug Back Depth - 9104' (casing float collar)
Maximum Recorded Temp - 242 F
Total Depth - 9135 ft (Driller's depth)

Correlate Log to - HES CH log dated 10/1/07
Cement Top - 4950'

Marker Joint - 6015'-6036'
Formation Tops:

Mesaverde	6,100 ft
Top Gas MV	7,100 ft
Cameo	8,570 ft
Rollins	8,996 ft

Notes: Max wellhead treating pressure will be set at **6,200** psi for all pumping operations.
 3K Cameron wellhead; will need to utilize 10K mandrel for fracing operations
 Call/e-mail Jaime Adkins (970) 285-9000 with gas flaring notice; jaime.adkins@state.co.us

1) Prepare well for completion:

Pressure test casing to **6,200** psi

3) Frac Well from bottom up per frac schedule:

MIRU RMWS. Perforate Lower Cameo as follows with 25 gm/0.42" charges. Pump frac, flowback overnight & between frac days.

Zone: Lower Cameo			Frac Stage 1		
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
--					
Entry Pt	8,753	8,754	3	6 ft	
Entry Pt	8,785	8,786	3	6 ft	
Entry Pt	8,830	8,831	3	13 ft	
Entry Pt	8,840	8,841	3	13 ft	
Entry Pt	8,876	8,877	3	10 ft	
Entry Pt	8,928	8,930	5	20 ft	
6 intervals			20	68 ft	- 0.74 bpm/ft
177 ft gross interval			25 gm/0.42" charges		
Plug Depth:	Bottom interval, no plugs required.				--
Casing Collar:					--
Breakdown:	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad				
Frac:	size: 75,000 gals sand laden fluid				
	fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant				
	scale inhibitors: None				
	other comments: 20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg				
	DO NOT SHUT DOWN FOR ISIP				
	ATTEMPT TO ACHIEVE 50 BPM RATE				
	= 2.50 bpm/perf				

Total Water Volume:

91,900 gals

2,188 bbls

Total 20/40 Sand:

80,500 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad			
Pad	10,000 gals	full pad to start new day		
0.50 ppg	8,000 gals	10%	4,000 lbs	
0.75 ppg	14,000 gals	18%	10,500 lbs	
1.00 ppg	20,000 gals	27%	20,000 lbs	
1.25 ppg	20,000 gals	27%	25,000 lbs	
1.50 ppg	14,000 gals	18%	21,000 lbs	
Overflush	5,900 gals	Top perf + 3 bbls		
Totals	91,900 gals	100%	80,500 lbs	0 ton
	81,900 gals sand laden fluid			+ 15%
	1,204 gals sand laden fluid / ft sand			0 ton
	1,184 lbs sand / Ft Pay			

Zone: Cameo		Frac Stage 2			
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
Entry Pt	8,448	8,449	3	8 ft	
Entry Pt	8,590	8,591	3	4 ft	
Entry Pt	8,635	8,636	3	6 ft	
Entry Pt	8,692	8,694	5	12 ft	
--					
--					
--					
4 intervals 14 30 ft ~ 1.17 bpm/ft 246 ft gross interval 25 gm/0.42" charges					
Plug Depth:	8,730 ft Flow Through Composite Plug = 36' fm plug to perf above				
Casing Collar:	8,714 ft = 16' collar to plug				
Breakdown:	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 33,000 gals gal sand laden fluid fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant scale inhibitors: None other comments: 20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg DO NOT SHUT DOWN FOR ISIP ATTEMPT TO ACHIEVE 35 BPM RATE = 2.50 bpm/perf				

Total Water Volume:

46,700 gals
1,112 bbls

Total 20/40 Sand:

35,250 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 750 gal 10% HCl Acid ahead of			
Pad	8,000 gals	subsequent pad		
0.50 ppg	3,000 gals	10%	1,500 lbs	
0.75 ppg	6,000 gals	18%	4,500 lbs	
1.00 ppg	9,000 gals	27%	9,000 lbs	
1.25 ppg	9,000 gals	27%	11,250 lbs	
1.50 ppg	6,000 gals	18%	9,000 lbs	
Overflush	5,700 gals	Top perf + 3 bbls		
Totals	46,700 gals	100%	35,250 lbs	0 ton
	33,000 gals sand laden fluid			+ 15%
	1,100 gals sand laden fluid / ft sand			0 ton
	1,175 lbs sand / Ft Pay			

Zone: Mesaverde I		Frac Stage 3			
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
--					
Entry Pt	8,234	8,236	4	26 ft	
Entry Pt	8,252	8,253	3	12 ft	
Entry Pt	8,334	8,335	3	20 ft	
Entry Pt	8,354	8,355	3	20 ft	
Entry Pt	8,376	8,377	3	18 ft	
Entry Pt	8,403	8,405	5	8 ft	
6 intervals 21 104 ft ~ 0.51 bpm/ft 171 ft gross interval 25 gm/0.42" charges					
Plug Depth:	8,434 ft Flow Through Composite Plug = 29' fm plug to perf above				
Casing Collar:	8,424 ft = 10' collar to plug				
Breakdown:	None - Spearhead 1000 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 115,000 gals sand laden fluid fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant scale inhibitors: None other comments: 20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg DO NOT SHUT DOWN FOR ISIP ATTEMPT TO ACHIEVE 53 BPM RATE = 2.50 bpm/perf				

Total Water Volume:

129,600 gals
3,086 bbls

Total 20/40 Sand:

123,000 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 1000 gal 10% HCl Acid ahead of			
Pad	8,000 gals	subsequent pad		
0.50 ppg	12,000 gals	10%	6,000 lbs	
0.75 ppg	21,000 gals	18%	15,750 lbs	
1.00 ppg	31,000 gals	27%	31,000 lbs	
1.25 ppg	31,000 gals	27%	38,750 lbs	
1.50 ppg	21,000 gals	18%	31,500 lbs	
Overflush	5,600 gals	Top perf + 3 bbls		
Totals	129,600 gals	100%	123,000 lbs	0 ton
	116,000 gals sand laden fluid			+ 15%
	1,115 gals sand laden fluid / ft sand			0 ton
	1,183 lbs sand / Ft Pay			

Zone: Mesaverde II		Frac Stage 4			
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
--					
Entry Pt	8,085	8,086	3	22 ft	
Entry Pt	8,104	8,105	3	4 ft	
Entry Pt	8,145	8,146	3	18 ft	
Entry Pt	8,164	8,165	3	18 ft	
Entry Pt	8,188	8,190	5	4 ft	
--					
5 intervals 17 66 ft ~ 0.65 bpm/ft 105 ft gross interval 25 gm/0.42" charges					
Plug Depth:	8,205 ft Flow through Composite Plug = 15' fm plug to perf above				
Casing Collar:	8,215 ft = 10' collar to plug				
Breakdown:	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 73,000 gals sand laden fluid fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant scale inhibitors: None other comments: 20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg DO NOT SHUT DOWN FOR ISIP ATTEMPT TO ACHIEVE 43 BPM RATE = 2.50 bpm/perf				

Total Water Volume:

88,500 gals
2,107 bbls

Total 20/40 Sand:

77,750 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 750 gal 10% HCl Acid ahead of			
Pad	10,000 gals	full pad to start new day		
0.50 ppg	7,000 gals	10%	3,500 lbs	
0.75 ppg	13,000 gals	18%	9,750 lbs	
1.00 ppg	20,000 gals	27%	20,000 lbs	
1.25 ppg	20,000 gals	27%	25,000 lbs	
1.50 ppg	13,000 gals	18%	19,500 lbs	
Overflush	5,500 gals	Top perf + 3 bbls		
Totals	88,500 gals	100%	77,750 lbs	0 ton
	73,000 gals sand laden fluid			+ 15%
	1,106 gals sand laden fluid / ft sand			0 ton
	1,178 lbs sand / Ft Pay			

Zone: Mesaverde III			Frac Stage 5		
Perforations:	<u>TOP</u>	<u>BOTTOM</u>	<u>HOLES</u>	<u>GROSS PAY</u>	<u>COMMENT</u>
--					
Entry Pt	7,911	7,912	3	8 ft	
Entry Pt	7,923	7,924	3	4 ft	
Entry Pt	7,955	7,956	3	4 ft	
Entry Pt	8,000	8,001	3	4 ft	
Entry Pt	8,025	8,027	5	16 ft	
--					
	5 intervals		17	36 ft	~ 1.19 bpm/ft
	116 ft gross interval		25 gm/0.42" charges		
Plug Depth:	8,060 ft	Flow-thru Composite Plug		= 33' fm plug to perf above	
Casing Collar:	8,048 ft			= 12' collar to plug	
Breakdown:	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 40,000 gals sand laden fluid				
	fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant				
	scale inhibitors: None				
other comments:	20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg				
	DO NOT SHUT DOWN FOR ISIP				
	ATTEMPT TO ACHIEVE 43 BPM RATE				
	= 2.50 bpm/perf				

Total Water Volume:

53,300 gals
1,269 bbls

Total 20/40 Sand:

42,500 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 750 gal 10% HCl Acid ahead of			
Pad	8,000 gals	subsequent pad		
0.50 ppg	4,000 gals	10%	2,000 lbs	
0.75 ppg	7,000 gals	18%	5,250 lbs	
1.00 ppg	11,000 gals	27%	11,000 lbs	
1.25 ppg	11,000 gals	27%	13,750 lbs	
1.50 ppg	7,000 gals	18%	10,500 lbs	
Overflush	5,300 gals	Top perf + 3 bbls		
Totals	53,300 gals	100%	42,500 lbs	0 ton
	40,000 gals sand laden fluid			+ 15%
	1,111 gals sand laden fluid / ft sand			0 ton
	1,181 lbs sand / Ft Pay			

Zone: Mesaverde IV			Frac Stage 6		
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
--					
Entry Pt	7,714	7,715	3	16 ft	
Entry Pt	7,730	7,731	3	16 ft	
Entry Pt	7,758	7,760	4	26 ft	
Entry Pt	7,811	7,812	3	15 ft	
Entry Pt	7,826	7,827	3	15 ft	
Entry Pt	7,852	7,854	5	18 ft	
6 intervals			21	106 ft	~ 0.50 bpm/ft
140 ft gross interval			25 gm/0.42" charges		
Plug Depth:	7,870 ft Flow through Composite Plug			= 16' fm plug to perf above	
Casing Collar:	7,880 ft			= 10' collar to plug	
Breakdown:	None - Spearhead 1000 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 117,000 gals sand laden fluid				
	fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surfactant				
	scale inhibitors: None				
other comments:	20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg				
	DO NOT SHUT DOWN FOR ISIP				
	ATTEMPT TO ACHIEVE 53 BPM RATE				
	= 2.50 bpm/perf				

Total Water Volume:

131,200 gals
3,124 bbls

Total 20/40 Sand:

125,250 lbs

Total CO2:

0 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 1000 gal 10% HCl Acid ahead of			
Pad	8,000 gals	subsequent pad		
0.50 ppg	12,000 gals	10%	6,000 lbs	
0.75 ppg	21,000 gals	18%	15,750 lbs	
1.00 ppg	32,000 gals	27%	32,000 lbs	
1.25 ppg	32,000 gals	27%	40,000 lbs	
1.50 ppg	21,000 gals	18%	31,500 lbs	
Overflush	5,200 gals	Top perf + 3 bbls		
Totals	131,200 gals	100%	125,250 lbs	0.0 ton
	118,000 gals sand laden fluid			+ 15%
	1,113 gals sand laden fluid / ft sand			0 ton
	1,182 lbs sand / Ft Pay			

Zone:	Mesaverde V			Frac Stage 7	
Perforations:	<u>TOP</u>	<u>BOTTOM</u>	<u>HOLES</u>	<u>GROSS PAY</u>	<u>COMMENT</u>
Entry Pt	7,485	7,486	3	14 ft	
Entry Pt	7,514	7,515	3	20 ft	
Entry Pt	7,533	7,534	3	8 ft	
Entry Pt	7,572	7,573	3	6 ft	
Entry Pt	7,584	7,585	3	8 ft	
Entry Pt	7,606	7,607	3	10 ft	
Entry Pt	7,644	7,646	5	14 ft	
7 intervals			23	80 ft	~ 0.73 bpm/ft
161 ft gross interval			25 gm/0.42" charges		
Plug Depth:	7,680 ft Flow through Composite Plug			= 34' fm plug to perf above	
Casing Collar:	7,670 ft			= 10' collar to plug	
Breakdown:	None - Spearhead 750 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 88,000 gals sand laden fluid				
	fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surf and 20Q CO2				
	scale inhibitors: None				
other comments:	20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg				
	DO NOT SHUT DOWN FOR ISIP				
	ATTEMPT TO ACHIEVE 58 BPM RATE				
	= 2.50 bpm/perf				

Total Water Volume:

104,100 gals
2,479 bbls

Total 20/40 Sand:

94,500 lbs

Total CO2:

80 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 750 gal 10% HCl Acid ahead of			
Pad	10,000 gals	full pad to start new day		
0.50 ppg	9,000 gals	10%	4,500 lbs	5.5 ton
0.75 ppg	16,000 gals	18%	12,000 lbs	11.1 ton
1.00 ppg	24,000 gals	27%	24,000 lbs	16.6 ton
1.25 ppg	24,000 gals	27%	30,000 lbs	16.5 ton
1.50 ppg	16,000 gals	18%	24,000 lbs	11.0 ton
Overflush	5,100 gals	Top perf + 3 bbls		
Totals	104,100 gals	100%	94,500 lbs	69.9 ton
	89,000 gals sand laden fluid			+ 15%
	1,113 gals sand laden fluid / ft sand			80 ton
	1,181 lbs sand / Ft Pay			

Zone:	Mesaverde VI		Frac Stage 8		
Perforations:	TOP	BOTTOM	HOLES	GROSS PAY	COMMENT
Entry Pt	7,299	7,300	3	6 ft	
Entry Pt	7,311	7,312	3	6 ft	
Entry Pt	7,338	7,339	3	6 ft	
Entry Pt	7,360	7,361	3	26 ft	
Entry Pt	7,386	7,387	3	25 ft	
Entry Pt	7,412	7,414	5	25 ft	
--					
	6 intervals		20	94 ft	~ 0.53 bpm/ft
	115 ft gross interval		25 gm/0.42" charges		
Plug Depth:	7,440 ft	Flow through Composite Plug		= 26' fm plug to perf above	
Casing Collar:	7,418 ft			= 22' collar to plug	
Breakdown:	None - Spearhead 1000 gal 10% HCl Acid ahead of frac pad				
Frac:	design size: 104,000 gals sand laden fluid				
	fluids: Water with 0.5 gpt FR & 1.0 gpt Gas Perm surf and 20Q CO2				
	scale inhibitors: None				
other comments:	20/40 Ottawa - 0.5 ppg increasing to 1.5 ppg				
	DO NOT SHUT DOWN FOR ISIP				
	ATTEMPT TO ACHIEVE 50 BPM RATE				
	= 2.50 bpm/perf				

Total Water Volume:

116,900 gals
2,783 bbls

Total 20/40 Sand:

110,750 lbs

Total CO2:

92 tons

Sequence	Wtr Volume	Slurry Wtr	Proppant	CO2
Breakdown	None - Spearhead 1000 gal 10% HCl Acid ahead of			
Pad	8,000 gals	subsequent pad		5.5 ton
0.50 ppg	10,000 gals	10%	5,000 lbs	6.9 ton
0.75 ppg	19,000 gals	18%	14,250 lbs	13.1 ton
1.00 ppg	28,000 gals	27%	28,000 lbs	19.3 ton
1.25 ppg	28,000 gals	27%	35,000 lbs	19.3 ton
1.50 ppg	19,000 gals	18%	28,500 lbs	13.1 ton
Overflush	4,900 gals	Top perf + 3 bbls		2.9 ton
Totals	116,900 gals	100%	110,750 lbs	80.1 ton
	104,000 gals sand laden fluid			+ 15%
	1,106 gals sand laden fluid / ft sand			92 ton
	1,178 lbs sand / Ft Pay			

Prepare well for first full-wellbore sales

Flow well on 24/64 choke; record water, gas, and tbg press/csg press daily

MIRU Service rig & air foam unit after gas production begins & casing pressures drop

Set composite kill plug with wireline above all open perfs

RD Frac valve / RU BOP's

Pick up 3-7/8" bit and bit sub, 1 joint 2-3/8" tubing, 1.78" seat nipple, remaining 2-3/8" tubing

Drill composite plugs

Leave well flowing when SDFN and pull tubing above all perfs overnight or over weekend.

Cleanout to PBTD, drop ball and pump off bit.

Land end of tubing at 8,820-ft

RD BOP's / RU well head

Continue to flow through Breco separator; monitor TP/CP, gas and water rates daily

Turn to sales

Required Water:

18,148 bbls
762,200 gals

Required 20/40 SB Excel Sand:

0 lbs

Required 20/40 Sand:

689,500 lbs

Required CO2:

172 tons

Frac Completion Statistics

All Stages:

Total Gross Sand: 584 ft

Total Gross Interval: 1,631 ft

Total Holes: 153

stages: 8

Gross Stage Length: 1,231 ft

Avg. Interval: 154 ft

Avg. Ft Sand/Stage: 73 ft

Total Sand Laden Fluid: 654,900 gals

Total Proppant 689,500 lbs

Sand Laden Fluid Benchmk **1,121 gals per ft pay**

Proppant Benchmark **1,181 lbs per ft pay**

HALLIBURTON

WILLIAMS PRODUCTION RMT INC EBUSINE

**WGV 22-23-697
PICEANCE
Garfield County , Colorado**

Cement Surface Casing

Cementing Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2593073	Quote #:	Sales Order #: 5331833
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE		Customer Rep:	
Well Name: WGV	Well #: 22-23-697	API/UWI #: 05-045-14155	
Field: PICEANCE	City (SAP): Parachute	County/Parish: Garfield	State: Colorado
Contractor: Williams		Rig/Platform Name/Num: SST53	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MURPHY, SHAUNA		Srvc Supervisor: MAIN, CHAD	MBU ID Emp #: 335770

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BEDFORD, STEPHEN A	18.0	342184	COKER, TRAVIS	18.0	428955	DANIEL, EVERETT Dean	7.0	337325
EDWARDS, RICHARD Delbert	18.0	380448	GASAWAY, SCOTT Eldon	3.0	246149	HOEFER, BRYAN D	18.0	415775
JARDINE, JASON	18.0	332624	KING, JAMES Nathan	3.0	369596	MAIN, CHAD R	18.0	335770
RAYA, MIKE T	18.0	373406						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025034	60 mile	10025037C	60 mile	10025092	60 mile	10026549	60 mile
10026607C	60 mile	10567589C	60 mile	10624098	60 mile	10638378	60 mile
10724567C	60 mile	10741259	60 mile	10744549	60 mile	10804467	60 mile
10804575	60 mile	10820101	60 mile	10938665	60 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/1/07	13	2	9/2/07	5	1			
TOTAL								

Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Job Depth TVD	Wk Ht Above Floor	Job Times	Date	Time	Time Zone
Form Type			BHST	2785. ft	3. ft	Called Out	31 - Aug - 2007	23:00	MST
Job depth MD						On Location	01 - Sep - 2007	11:00	MST
Water Depth						Job Started	01 - Sep - 2007	15:40	MST
Perforation Depth (MD)	From		To			Job Completed	02 - Sep - 2007	0500	MST
						Departed Loc			

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Casing	Used		9.625	8.921	36.				2765.		
Surface Open Hole				13.5					2765.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			

Summit 7.20.130

Sunday, September 02, 2007 05:25:00

Version:

HALLIBURTON

Cementing Job Summary

Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Spacer Ahead			bbl	8.33	.0	.0	8.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)		sacks	12.3	2.16	10.82	8.0	10.82

0.3 % UNIVERSAL CEMENT SYSTEMS, 50 LB SK (101226480)

5 lbm SILICALITE - COMPACTED, 50 LB SK (100012223)

0.15 % WG-17, 50 LB SK (100003623)

0.4 % VERSASET, 55 LB SK (101376573)

3 lbm PHENO SEAL - BLEND - 40 LB (101342230)

5 lbm CAL-SEAL 60, 50 LB BAG (101217146)

8 lbm GILSONITE, 50 LB BAG (100001618)

0.25 lbm POLY-E-FLAKE (101216940)

3.18 Gal FRESH WATER

3	Tail Cement	EXTENDACEM (TM) SYSTEM (452981)		sacks	12.6	2.01	9.7	8.0	9.7
---	-------------	---------------------------------	--	-------	------	------	-----	-----	-----

0.3 % UNIVERSAL CEMENT SYSTEMS, 50 LB SK (101226480)

5 lbm SILICALITE - COMPACTED, 50 LB SK (100012223)

0.2 % ECONOLITE (100001580)

0.1 % WG-17, 50 LB SK (100003623)

3 lbm PHENO SEAL - BLEND - 40 LB (101342230)

0.4 % VERSASET, 55 LB SK (101376573)

5 lbm CAL-SEAL 60, 50 LB BAG (101217146)

8 lbm GILSONITE, 50 LB BAG (100001618)

0.25 lbm POLY-E-FLAKE (101216940)

8.673 Gal FRESH WATER

4	Displacement			bbl	.	.0	.0	10.0	
---	--------------	--	--	-----	---	----	----	------	--

5	SUPER FLUSH 101	SUPER FLUSH 101 - SBM (12199)		bbl	10.	.0	.0	.0	
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6	Top Out Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks	15.8	1.15	5.0	2.0	5.0
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94 lbm CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)

2 % CALCIUM CHLORIDE - HI TEST PELLET (100005053)

5.019 Gal FRESH WATER

Calculated Values

Pressures

Volumes

Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates

Circulating	4	Mixing	6	Displacement	6	Avg. Job	6
Cement Left In Pipe	Amount	23.4 ft	Reason	Shoe Joint			
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID

The Information Stated Herein Is Correct

Customer Representative Signature

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 2593073	Quote #:	Sales Order #: 5331833
Customer: WILLIAMS PRODUCTION RMT INC EBUSINE		Customer Rep:	
Well Name: WGV		Well #: 22-23-697	API/UWI #: 05-045-14155
Field: PICEANCE	City (SAP): Parachute	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Williams		Rig/Platform Name/Num: SST53	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MURPHY, SHAUNA		Srvc Supervisor: MAIN, CHAD	MBU ID Emp #: 335770

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	09/01/2007 11:03							TD2785' CSG 2766.02' CONDUCTOR 84' SHOE 23.40
Safety Meeting - Assessment of Location	09/01/2007 11:13							RIG FILLED PIPE NOT CIRCULATED
Rig-Up Equipment	09/01/2007 11:30							
Pre-Job Safety Meeting	09/01/2007 15:15							
Start Job	09/01/2007 15:36							
Pressure Test	09/01/2007 15:37						1800 .0	
Pump Spacer 1	09/01/2007 15:38		4	20			34.0	HES DID NOT HAVE CIRCULATION ENTIRE JOB

Sold To 300721

Ship To # :2593073

Quote # :

Sales Order # 5331833

#:

SUMMIT

7.20.130

Sunday, September 02, 2007 05:25:00

Version:

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	09/01/2007 15:49		6	423.1			300.0	1100 SKS @ 12.3PPG 2.16 FT3/SK 10.82 GAL/SK
Pump Tail Cement	09/01/2007 16:45		6	89.4			280.0	250 SKS @ 12.6 PPG 2.01 FT3/SK 9.7 GAL/SK
Shutdown	09/01/2007 17:06							
Drop Plug	09/01/2007 17:07							
Pump Displacement	09/01/2007 17:08		10	10			150.0	
Bump Plug	09/01/2007 17:35		4	212.3			803.0	CHECKED FLOATS FLOATS HELD
Standby - Other - see comments	09/01/2007 17:37							
Start Job	09/01/2007 22:42							PUT 10BBLS OF SUPER FLUSH DOWN BACK SIDE
Pump Cement	09/01/2007 22:43		2	24.9		32.0		100SKS @ 14.5PPG 1.4 FT3/SK 6.8 GAL/SK
Shutdown	09/01/2007 23:00							HES HAD NO CIRCULATION DURING THIS JOB
Standby - Other - see comments	09/01/2007 23:01							

Sold To 300721

Ship To # :2593073

Quote # :

Sales Order # 5331833

:

SUMMIT
Version:

7.20.130

Sunday, September 02, 2007 05:25:00

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	09/02/2007 01:26							PUT 10BBLS OF SUPER FLUSH DOWN THE BACKSIDE
Pump Cement	09/02/2007 01:27		2	31		34.0		124SKS @ 14.5PPG 1.4 FT3/SK 6.8 GAL/SK
Shutdown	09/02/2007 01:50							HES HAD NO CIRCULATION DURING THIS JOB
Standby - Other - see comments	09/02/2007 01:51							
Start Job	09/02/2007 02:06							PUT 10BBLS OF SUPER FLUSH DOWN THE BACKSIDE
Pump Cement	09/02/2007 02:06		2	31		31.0		125SKS @ 14.5PPG 1.4 FT3/SK 6.8 GAL/SK
Shutdown	09/02/2007 05:00							HES BROUGHT 10 BBLS OF CEMENT TO SURFACE
End Job	09/02/2007 05:02							

Sold To 300721

Ship To # :2593073

Quote # :

Sales Order # 5331833

:

SUMMIT

7.20.130

Sunday, September 02, 2007 05:25:00

Version:

Field Ticket

Field Ticket Number: 5331833		Field Ticket Date: Sunday, September 02, 2007	
Bill To: WILLIAMS PROD RMT INC EBIZ-PICEANCE DO NOT MAIL-PO BOX 21218 TULSA, OK 74121-1218		Job Name: WGV 22-23-697 Order Type: Streamline Order (ZOH) Well Name: WGV 22-23-697 Company Code: 1100 Customer PO No.: NA Shipping Point: Grand Junction, CO, USA Sales Office: Rocky Mountains BD Well Type: Well Category:	
Ship To: WILLIAMS PRODUCTION RMT INC EBUSINE WGV, 22-23-697 2593073 Parachute,			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	60	MI	0.00	9.79	587.40	66%	199.72
	Number of Units	1						
2	MILEAGE FOR CEMENTING CREW,ZI	60	MI	0.00	5.76	345.60	66%	117.50
	Number of Units	1						
16091	ZI - PUMPING CHARGE	1	EA	0.00	5,584.00	5,584.00	66%	1,898.56
	DEPTH	2785						
	FEET/METERS (FT/M)		FT					
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	1,322.00	0.00	1,322.00	66%	449.48
	DAYS OR FRACTION (MIN1)	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	616.00	616.00	66%	209.44
	SIZE IN INCHES/MILLIMETER	9.625						
	INCHES/MILLIMETERS (IN/MM)		IN					
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	1,649.00	1,649.00	66%	560.66
	NUMBER OF DAYS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	66%	773.50
	NUMBER OF UNITS	1						
101214575	PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA	0.00	454.00	454.00	66%	154.36
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	60	MI	0.00	3.35	4,884.30	66%	1,660.66
	NUMBER OF TONS	24.3						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	542	CF	0.00	5.49	2,975.58	66%	1,011.70
	NUMBER OF EACH	1						
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	14	EA	0.00	956.00	13,384.00	66%	4,550.56

Field Ticket Number: 5331833

Field Ticket Date: Sunday, September 02, 2007

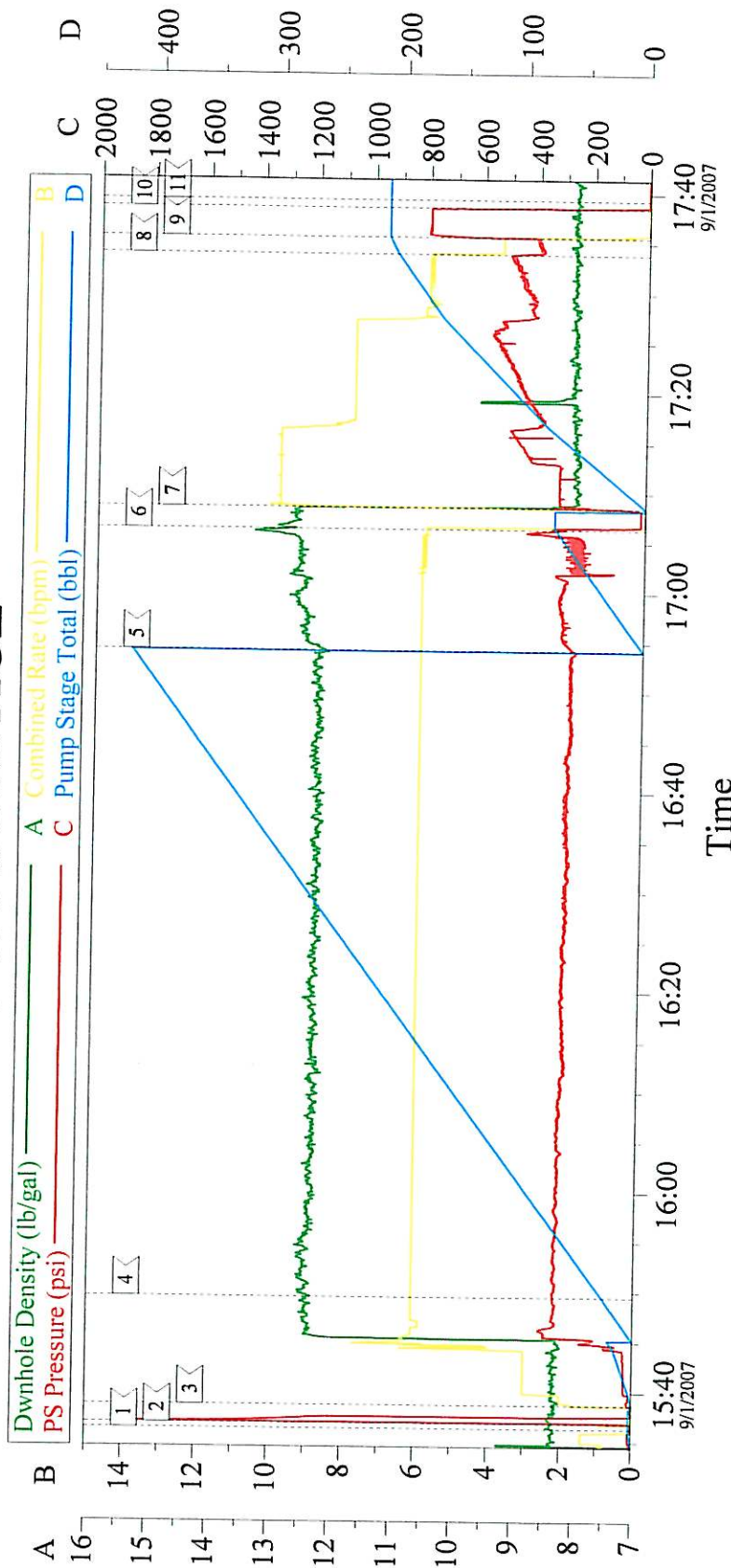
Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
	HOURS	1						
138313	DELIVERY CHG, MTL&EQP, F/HD UNITS, ZI	60	MI	0.00	9.79	587.40	66%	199.72
	Number of Units	1						
45	ExtendaCem	1100	EA	0.00	92.50	101,750.00	66%	34,595.00
452981	CMT, ExtendaCem (TM) system	1100	SK	0.00	92.50	0.00		0.00
101216940	Chemical - Pol-E-Flake, 25 lb bag	275	LB	0.00	7.84	2,156.00	66%	733.04
452981	CMT, ExtendaCem (TM) system	250	SK	0.00	7.84	0.00		0.00
101216940	Chemical - Pol-E-Flake, 25 lb bag	63	LB	0.00	7.84	493.92	66%	167.93
100003685	CEM,CLASS G / PREMIUM, BULK	350	SK	0.00	42.24	14,784.00	66%	5,026.56
100005053	Chemical - Calcium Chloride Hi Test Plt	9	SK	0.00	251.00	2,259.00	66%	768.06
16115	FIELD STORAGE BIN ON SITE >8 HRS, DAY, ZI	1	EA	0.00	1,344.00	1,344.00	66%	456.96
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
45	9 5/8 SWAGE	1	EA	0.00	2,506.88	2,506.88		2,506.88
452981	EXTENDACEM (TM) SYSTEM	250	SK	0.00	2,506.88	0.00		0.00
12199	SUPERFLUSH 101	1260	GAL	0.00	6.79	8,555.40	66%	2,908.84
100003685	CLASS G / PREMIUM	350	SK	0.00	42.24	14,784.00	66%	5,026.56
Halliburton Rep: CHAD MAIN		Totals		USD	183,297.48	119,321.79	63,975.69	
Customer Agent:								
Halliburton Approval								

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.
CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X
Customer Signature

FIELD TICKET TOTAL: USD 63,975.69

9 5/8 SURFACE



Event Log											
Intersection			Intersection		Intersection						
1	Start Job	15:36:19	5.000	2	Pressure Test	15:36:51	10.96	3	Pump Fresh Water Ahead	15:38:42	12.69
4	Pump Lead Cement	15:49:28	298.0	5	Pump Tail Cement	16:54:12	260.9	6	Shut Down Drop Plug	17:06:21	301.4
7	Start Displacement	17:08:31	148.7	8	Slowed Rate	17:33:53	492.0	9	Land Plug	17:35:36	504.1
10	Check Floats	17:38:33	342.0	11	End Job	17:39:20	2.642				

Customer: Chad Main	Job Date: ADC yes/no: YES	Ticket #:
Supervisor: Co. Man:	Lease:	Operator:
		Well #:

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job		0 Max Psi			
6	Test Lines	1800.0				
9	H2O Spacer	20.0				
13	Lead Cement	423.1	1100	12.3	2.16	10.82
15	Tail Cement	89.5	250	12.6	2.01	9.7
22	Drop Plug	0.0				
23	Displace with H2o	212bbls				
26	Land Plug	576psi	LAND 576PSI 500PSI OVER			
2	Release Psi / Job Over	0.0				
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH	FLOAT COLLAR	BBL/FT	H2O REQ.	
212.00	2766	23.40	2742.60	0.0773	650	
PSI to Lift Pipe	1177psi	*****Use Mud Scales on Each Tier*****				
Total Displacement	212.00					
CALCULATED DIFFERENTIAL PSI		2516	TOTAL FLUID PUMPED			
Collapse		Burst		SO#	#REF!	