

Step Rate Test



Cardinal Surveys Company

July 28, 2004

Chesapeake Energy Corporation
W T U # 924
West Teas Field
"J" Section 4, T20S, R33E
Lea County, New Mexico
GL. ' KB '

Tool Set @ 3135'

Downhole PSI Tool Ser. No.	71070
Surface PSI Gauge Ser. No.	10575

	Arr. Loc.
8:00 AM	
9:36 AM	On Bottom
9:36 AM 9:45 AM	0
9:45 AM 10:45 AM	200
10:45 AM 11:45 AM	400
11:45 AM 12:45 PM	600
12:45 PM 1:45 PM	800
1:45 PM 2:45 PM	1000
2:45 PM 3:45 PM	1200
3:45 PM 4:45 PM	1400
4:45 PM 5:45 PM	1600
5:45 PM 5:55 PM	Fall-Off

Step Rate Test

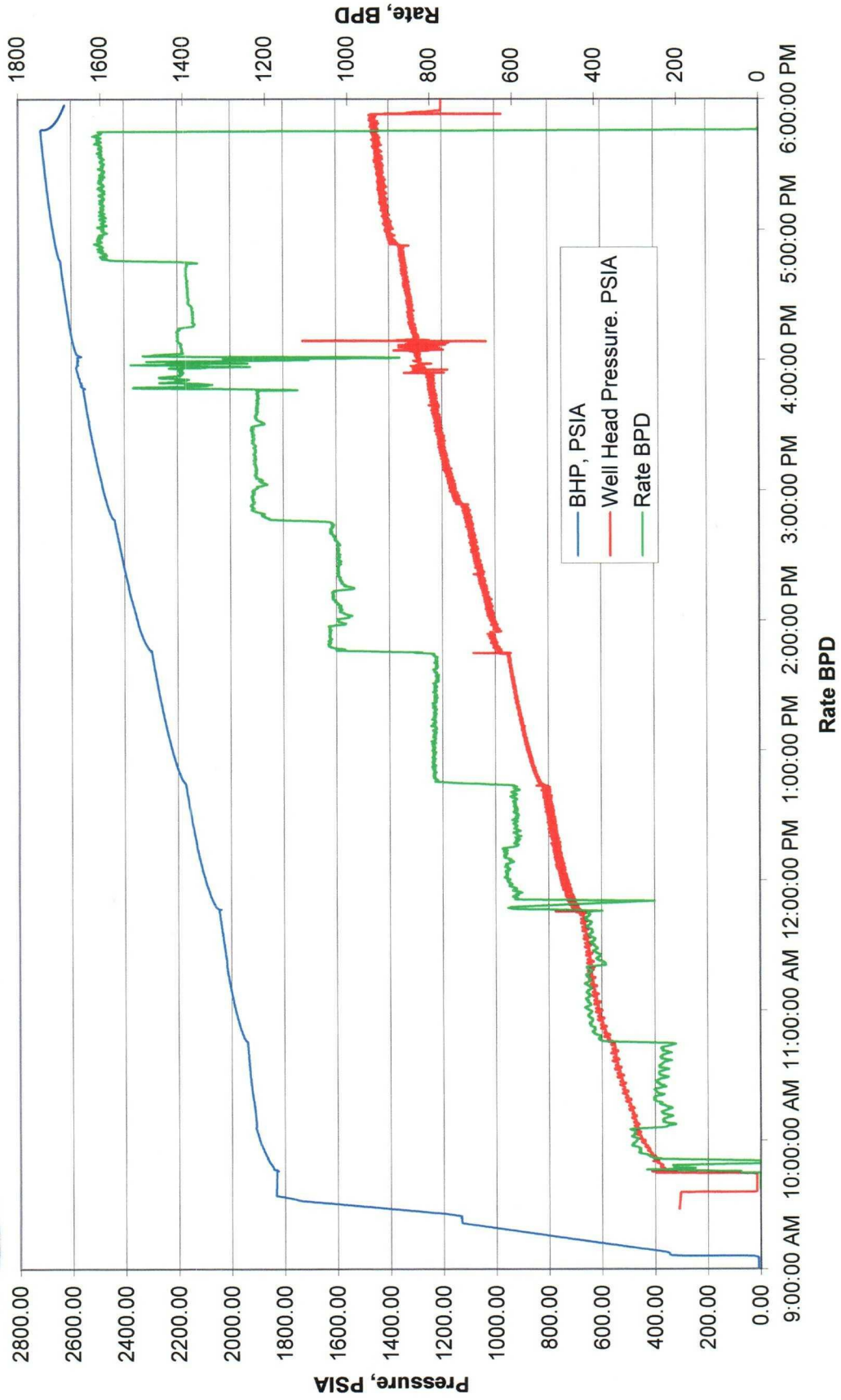
Chesapeake Energy Corporation
W T U # 924
West Teas Field
Lea County, New Mexico



	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	Last BHP PSIA	Last Surf PSIA	Cum BBL	Delta BBL	Avg BPD	Lower	upper
	9:36 AM	9:45 AM	0:09:00	0	0	1830	349	0	0	0		
1	9:45 AM	10:45 AM	1:00:00	200	200	1939	562.5	8.2	8.2	196.8		
2	10:45 AM	11:45 AM	1:00:00	400	200	2042	672.2	26	17.8	427.2	2042	
3	11:45 AM	12:45 PM	1:00:00	600	200	2168	820.9	49.6	23.6	566.4	2168	
4	12:45 PM	1:45 PM	1:00:00	800	200	2297	949.1	82.5	32.9	789.6	2297	
5	1:45 PM	2:45 PM	1:00:00	1000	200	2435	1114.7	125.2	42.7	1024.8	2435	
6	2:45 PM	3:45 PM	1:00:00	1200	200	2553	1262.1	177.1	51.9	1245.6	2553	
7	Chesapeake	4:45 PM	1:00:00	1400	200	2640	1350	233.2	56.1	#VALUE!	2640	
8	4:45 PM	5:45 PM	1:00:00	1600	200	2713	1470.5	300.8	67.6	1622.4	2713	
9	5:45 PM	5:55 PM	0:10:00	0	0	2650		300.8	0	0		
											0.654	1777.7
											0.4	2075.3
											1171.654 BPD	
											2543.961 Pressure	
											Interception	Point



Chesapeake Operating, Inc., WTU # 924
Step Rate Test Raw Data 7-28-2004





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