

Step Rate Test



Cardinal Surveys Company

5-Apr-04

Chesapeake Energy Corporation
W T U # 913

Lea County, New Mexico

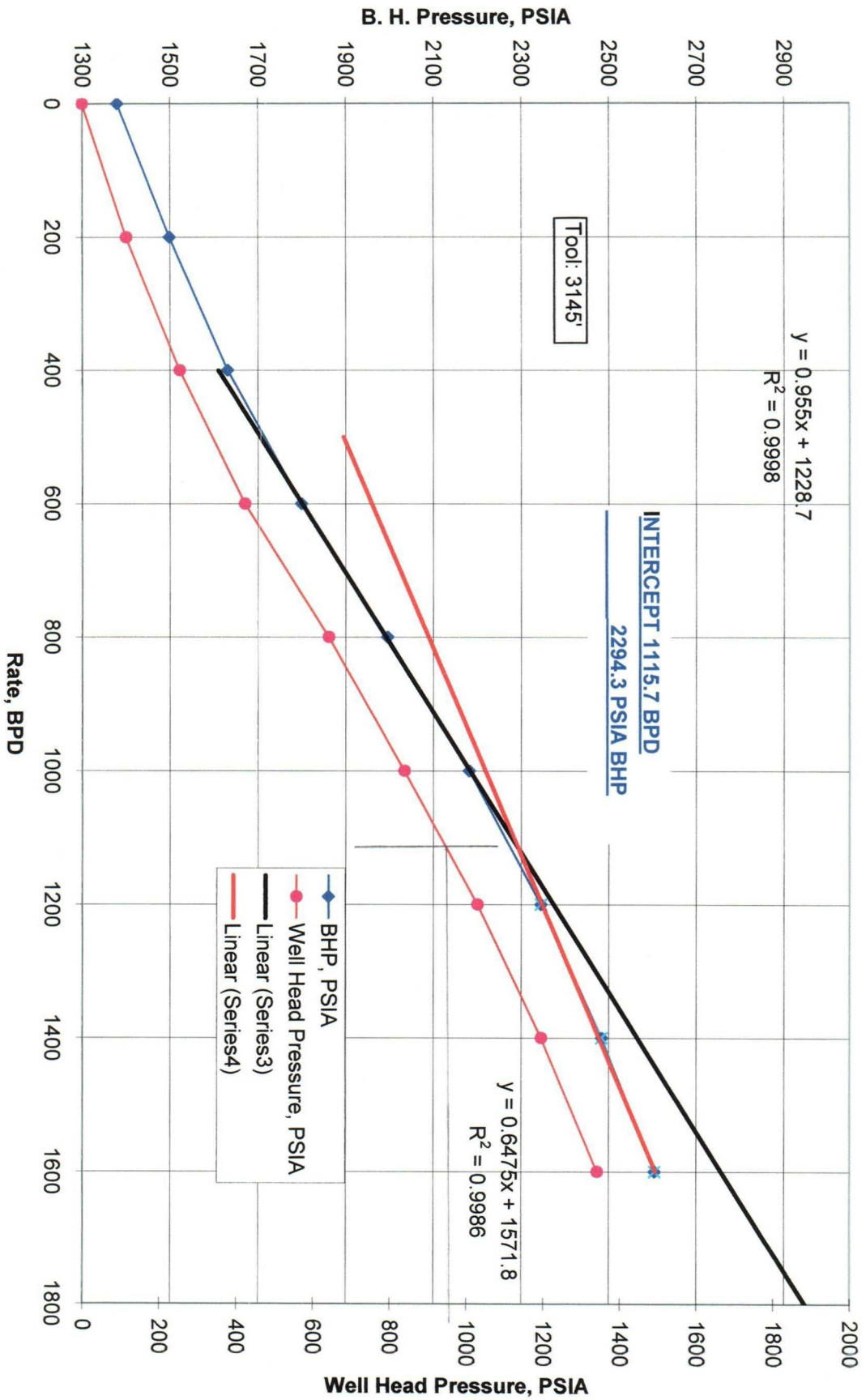
Downhole PSI Tool Ser. No.
Surface PSI Guage Ser. No.

9:00 AM Arr. Loc.	
12:18 PM On Bottom	
12:18-1:00	0
1:00-2:00	200
2:00-3:00	400
3:00-4:00	600
4:00-5:00	800
5:00-6:00	1000
6:00-7:00	1200
7:00-8:00	1400
8:00-9:00	1600
9:01-9:12	Start Out

INTERCEPT 1115.7 BPD 2294.3 PSIA BHP



Chesapeake Energy Corporation, W T U #913
Step Rate Test 4-5-2004



953

Step Rate Test

Chesapeake Energy Corporation
W T U # 913
West Texas 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
1	9:30 AM	10:15 AM		0	0	1380.2	0	7.54				
2	1:00 PM	2:00 PM	1:00:00	200	200	1499.3	115	15.84	8.3	199.2		
3	2:00 PM	3:00 PM	1:00:00	400	200	1632.1	254	31.73	15.89	381.36		
4	3:00 PM	4:00 PM	1:00:00	600	200	1800.2	424	62.17	30.44	730.56	1800	
5	4:00 PM	5:00 PM	1:00:00	800	200	1996.3	642	95.16	32.99	791.76	1996	
6	5:00 PM	6:00 PM	1:00:00	1000	200	2182.7	839	136.7	41.54	996.96	2182	
7	6:00 PM	7:00 PM	1:00:00	1200	200	2346.2	1029.5	186.77	50.07	1201.68		2346
8	7:00 PM	8:00 PM	1:00:00	1400	200	2484.8	1195.4	246.5	59.73	1433.52		2484
9	8:00 PM	9:00 PM	1:00:00	1600	200	2605.3	1341.5	311.36	64.86	1556.64		2605
10			0:00:00	-1600	0				-311.36	-7472.64		
			0:00:00	0	0				0	0		

intersect point
1115.772
2294.263

0.955 1228.7
0.6475 1571.8



Chesapeake Energy Corporation, WTU # 913
Step Rate Test Raw Data 4-04-2004

