

Step Rate Test



Cardinal Surveys Company

04/03/04

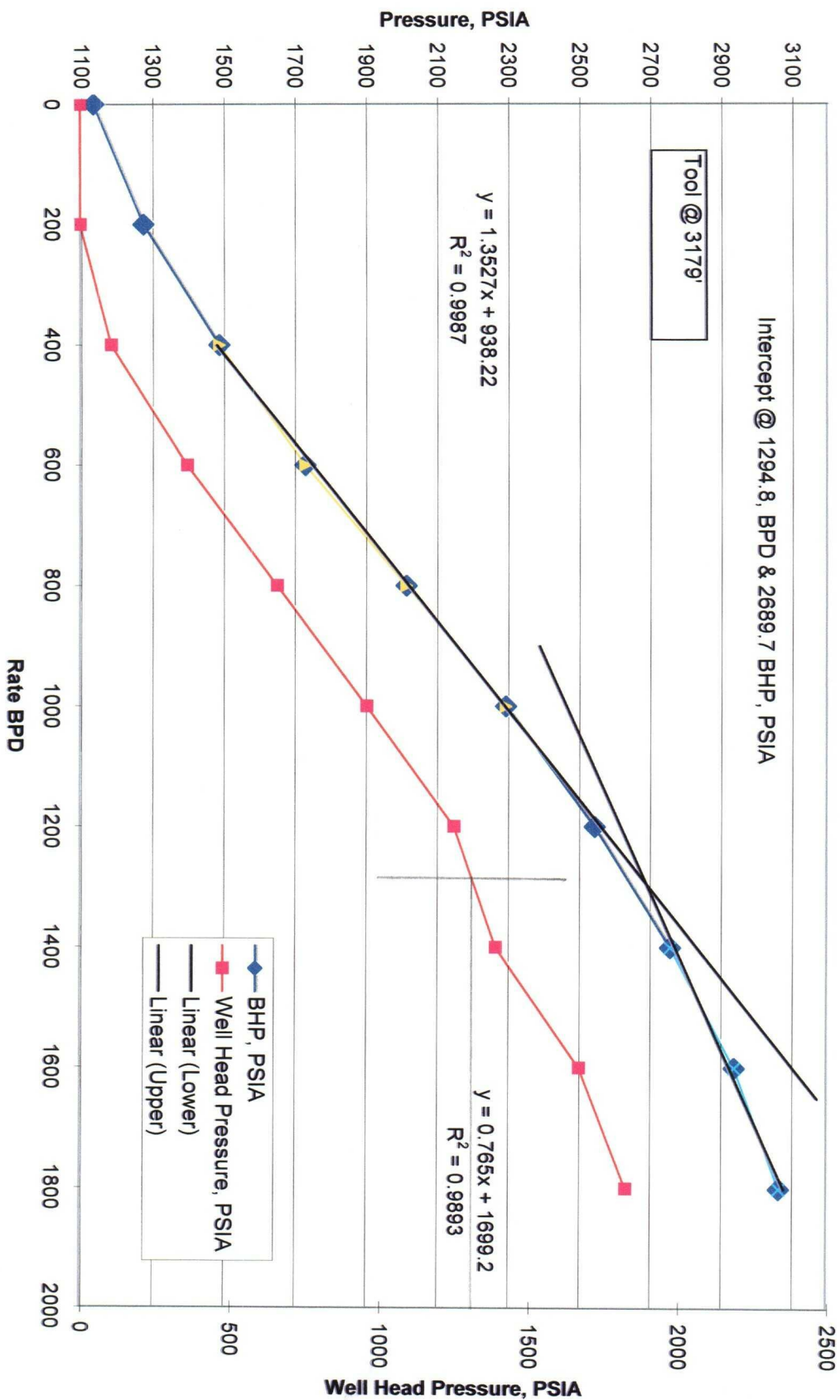
Cheasapeake Energy Corporation
W T U # 912
West Texas Field
"Je" Section 9, T20S, R33E
Lea County, New Mexico
GL. 3555' KB 3565'

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

8:45 AM	Arr. Loc.
9:57 AM	On Bottom
9:57-10:20	0
10:20-11:20	200
11:20-12:20	400
12:20-1:20	600
1:20-2:20	800
2:20-3:20	1000
3:20-4:20	1200
4:20-5:20	1400
5:20-6:20	1600
6:20-7:20	1800
7:30 PM	start out of hole
8:00 PM	out of hole
8:15 PM	leave location



Chesapeake Energy Inc., WTU #912
Step Rate Test 4-3-2004



Step Rate Test

Chesapeake Energy Corporation
W T U # 912
West Texas Field
Lea County, New Mexico



S Time	E Time	D Time	Last Rate	Step	Last BHP	Last Surf	Cum	Delta	Avg	Lower	upper
		Min	BPD	BPD	PSIA	PSIA	BBL	BBL	BPD		
1	10:20 AM	11:20 AM	200	0	1138	0	4.55	4	192		
2	11:20 AM	12:20 PM	400	200	1278.2	0	8.55	16.83	403.92	1491.1	
3	12:20 PM	1:20 PM	600	200	1491.1	104	25.38	24.83	595.92	1733.3	
4	1:20 PM	2:20 PM	800	200	1733.3	358	50.21	32.41	777.84	2017.9	
5	2:20 PM	3:20 PM	1000	200	2017.9	660	82.62	41.88	1005.12	2298	
6	3:20 PM	4:20 PM	1200	200	2298	959	124.5	50.6	1214.4		2761
7	4:20 PM	5:20 PM	1400	200	2548	1252	175.1	56.9	1365.6		2941.5
8	5:20 PM	6:20 PM	1600	200	2761	1391	232	67.86	1628.64		3067
9	6:20 PM	7:20 PM	1800	200	2941.5	1671	299.86	75.54	1812.96		
					3067	1828	375.4				

Int Point: 1.3527 938.22
0.765 1699.2
1294.844 BPD
2689.756 Pressure



Chesapeake Energy Corporation Step Rate Test Raw Data 4-3-2004

