

District I 1625 N. French Dr., Hobbs, NM 88240
District II 1301 W. Grand Ave., Artesia, NM 88210
District III 1000 Rio Brazos Rd., Aztec, NM 87604
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED JUL 10 9 2008 HOBBS OCD

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

WELL API NO.
5. Indicate Type of Lease STATE [] FEE [X]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name WTYSR Unit Wells: 443,641,912,913,921, 924,941,945
8. Well Number
9. OGRID Number 147179
10. Pool name or Wildcat Teas (Yates-Seven Rivers), West

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [] Gas Well [] Other Injection Wells
2. Name of Operator Chesapeake Operating, Inc.
3. Address of Operator P.O. Box 18496 Oklahoma City, OK 73154-0496
4. Well Location Unit Letter: Section 4 & 9 Township 20S Range 33E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
Pit or Below-grade Tank Application [] or Closure []
Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK [] PLUG AND ABANDON [] TEMPORARILY ABANDON [] CHANGE PLANS [] PULL OR ALTER CASING [] MULTIPLE COMPL []
SUBSEQUENT REPORT OF: REMEDIAL WORK [] ALTERING CASING [] COMMENCE DRILLING OPNS. [] P AND A [] CASING/CEMENT JOB []
OTHER: Injection Pressure Increase [X] OTHER: []

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake Operating, Inc. respectfully requests to increase the injection pressure on eight wells in the West Teas (Yates-Seven Rivers) Waterflood Unit Area. For your review, please find the attached application letter along with step rates tests performed for each well. Copies of this application have been submitted to the Hobbs New Mexico Oil Conservation Division office.

- WEST TEAS YATES SEVEN RIVERS UNIT No. 443 3002535976 I-4-20S-33E 1855 FSL & 660 FEL
WEST TEAS YATES SEVEN RIVERS UNIT No. 641 3002533144 A-4-20S-33E 330 FNL & 330 FEL
WEST TEAS YATES SEVEN RIVERS UNIT No. 912 3002529971 E-9-20S-33E 1980 FNL & 660 FWL
WEST TEAS YATES SEVEN RIVERS UNIT No. 913 3002529972 L-9-20S-33E 1980 FSL & 660 FWL
WEST TEAS YATES SEVEN RIVERS UNIT No. 921 3002531896 C-9-20S-33E 330 FNL & 2310 FWL
WEST TEAS YATES SEVEN RIVERS UNIT No. 924 3002536073 F-9-20S-33E 2560 FNL & 2210 FWL
WEST TEAS YATES SEVEN RIVERS UNIT No. 941 3002532217 A-9-20S-33E 330 FNL & 990 FEL
WEST TEAS YATES SEVEN RIVERS UNIT No. 945 3002536079 H-9-20S-33E 2612 FNL & 330 FEL

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan [].

SIGNATURE Doug Rubick TITLE Field Engineer DATE 07/08/2008

Type or print name Doug Rubick E-mail address: doug.rubick@chk.com Telephone No. (575)391-1462

APPROVED BY: Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE JUL 17 2008
Conditions of Approval (if any): need approval of Santa Fe Office! CW

June 27, 2008

Will Jones
NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Jones,

Chesapeake Energy respectfully requests to increase the injection pressure on eight wells in the West Teas Unit (WTU) waterflood. This waterflood has been active since 2003 and step rate tests have not been performed since 2004. Please see the table below for a summary of the current pressure limitations for the injection wells at the WTU waterflood.

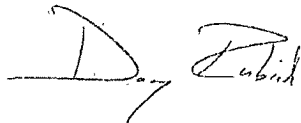
Well	API	Inj Press Limit	Order	Order Date	Comments
WTU 433	3002532032	988	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.
WTU 443	3002535976	631	WFX-791	7/24/2003	Administrative Order based on 0.2 psi/ft
WTU 641	3002533144	632	WFX-791	7/24/2003	Administrative Order based on 0.2 psi/ft
WTU 912	3002529971	1,200	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.
WTU 913	3002529972	903	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.
WTU 921	3002531896	998	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.
WTU 924	3002536073	1,197	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.
WTU 941	3002532217	615	WFX-791	7/24/2003	Administrative Order based on 0.2 psi/ft. The SRT for this well was inconclusive from IPI-244 and increase request denied.
WTU 945	3002536079	1,200	IPI-244	10/19/2004	Division Order for increased injection pressure after SRT.

Step rate tests were performed on all nine of the injectors between May 22nd and June 4th, 2008. Eight of the nine test results indicate there is room for an increase in maximum injection pressure. Results from each step rate test are attached and summarized in the table below.

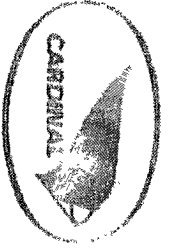
Well	API	Fracture Pressure	Requested Inj Press Limit	Date SRT Ran
WTU 443	3002535976	1,520	1,470	5/29/2008
WTU 641	3002533144	1,854	1,804	6/4/2008
WTU 912	3002529971	1,802	1,752	6/2/2008
WTU 913	3002529972	1,802	1,752	6/3/2008
WTU 921	3002531896	1,572	1,522	5/28/2008
WTU 924	3002536073	1,720	1,670	5/27/2008
WTU 941	3002532217	1,360	1,310	5/23/2008
WTU 945	3002536079	1,845	1,795	5/22/2008

Should you require further information or have any questions, please call Doug Rubick at 505-391-1462.

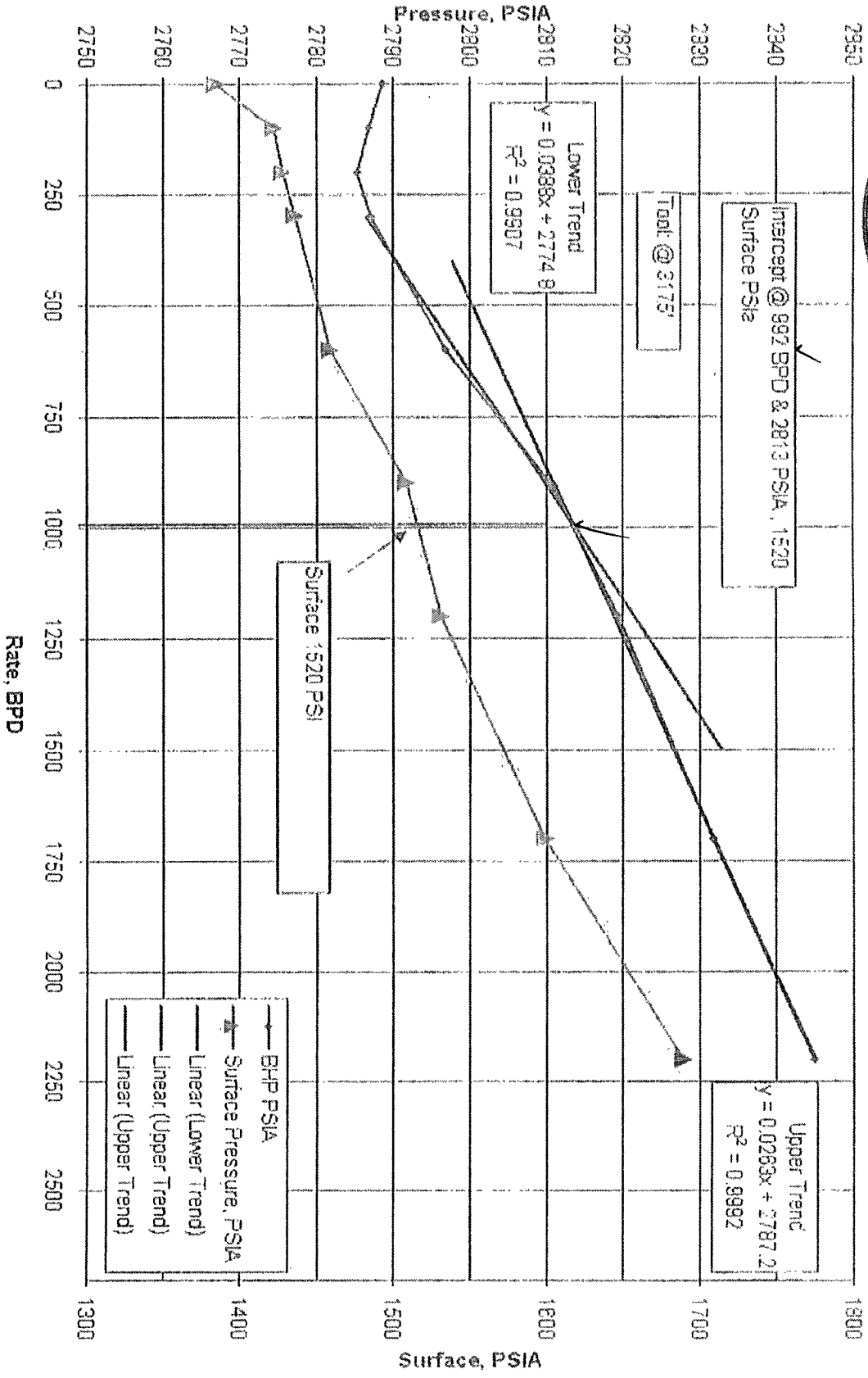
Sincerely,



Doug Rubick
Field Engineer



Chesapeake Energy Corp. WTU # 443
Step Rate Test 05-29-2008



Step Rate Test

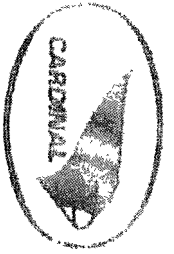
ConocoPhillips Energy
 Well # 443
 Field:
 Lee County, N.M.



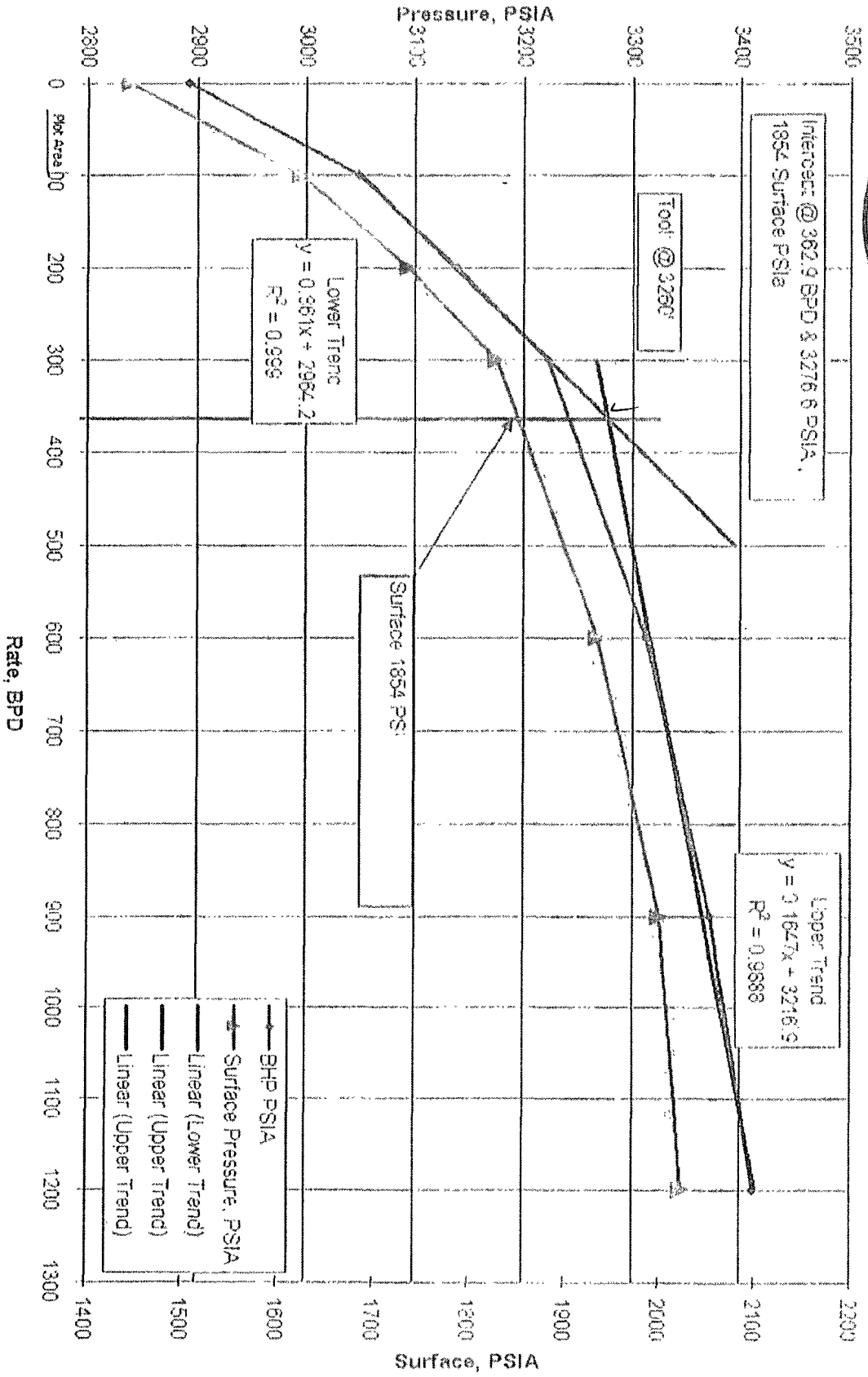
Step	Start Time	End Time	D Time	Last Rate	Step B.P.D.	Pressure	Surf	Cum	Delta	Avg	Lower	Upper
			Min	SPD	SPD	PSIA	PSIA	EBL	EBL	SPD	Trend	Trend
1	8:31 AM	8:45 AM	14	0	0	2788.6	1384	0	0	0		
2	8:45 AM	9:45 AM	60	100	100	2788.9	1421.9	7.3	7.3	175		
3	9:45 AM	10:45 AM	30	200	100	2788.3	1428.3	18.3	9	316		
4	10:45 AM	11:45 AM	60	300	100	2787.1	1435.4	29.6	18.3	319	2787.1	
5	11:45 AM	12:45 PM	60	500	200	2785.8	1458.8	54.4	24.6	595	2786.6	
6	12:45 PM	1:45 PM	60	500	300	2810.4	1509.2	49	-11.4	-274	2810.4	2810.4
7	1:45 PM	2:45 PM	60	1200	300	2815.3	1581.3	142.3	99.3	2080		2815.3
8	2:45 PM	3:45 PM	60	1700	500	2831.9	1589.3	214.6	72.3	1735		2831.9
9	3:45 PM	4:45 PM	60	2200	500	2844.9	1599.3	306.2	91.6	2196		2844.9
10	4:45 PM	5:45 PM	60	2700	500							

INT POINT: 392 SPD
 2613.2386 Fsie

0.0088 2774.6
 0.0233 2787.2



Chesapeake Energy Corp. WTLJ # 641
 Step Rate Test 06-04-2008



Step Rate Test

Chesapeake Energy
 W/TU # 641
 Field: West Texas
 Lea County, NM

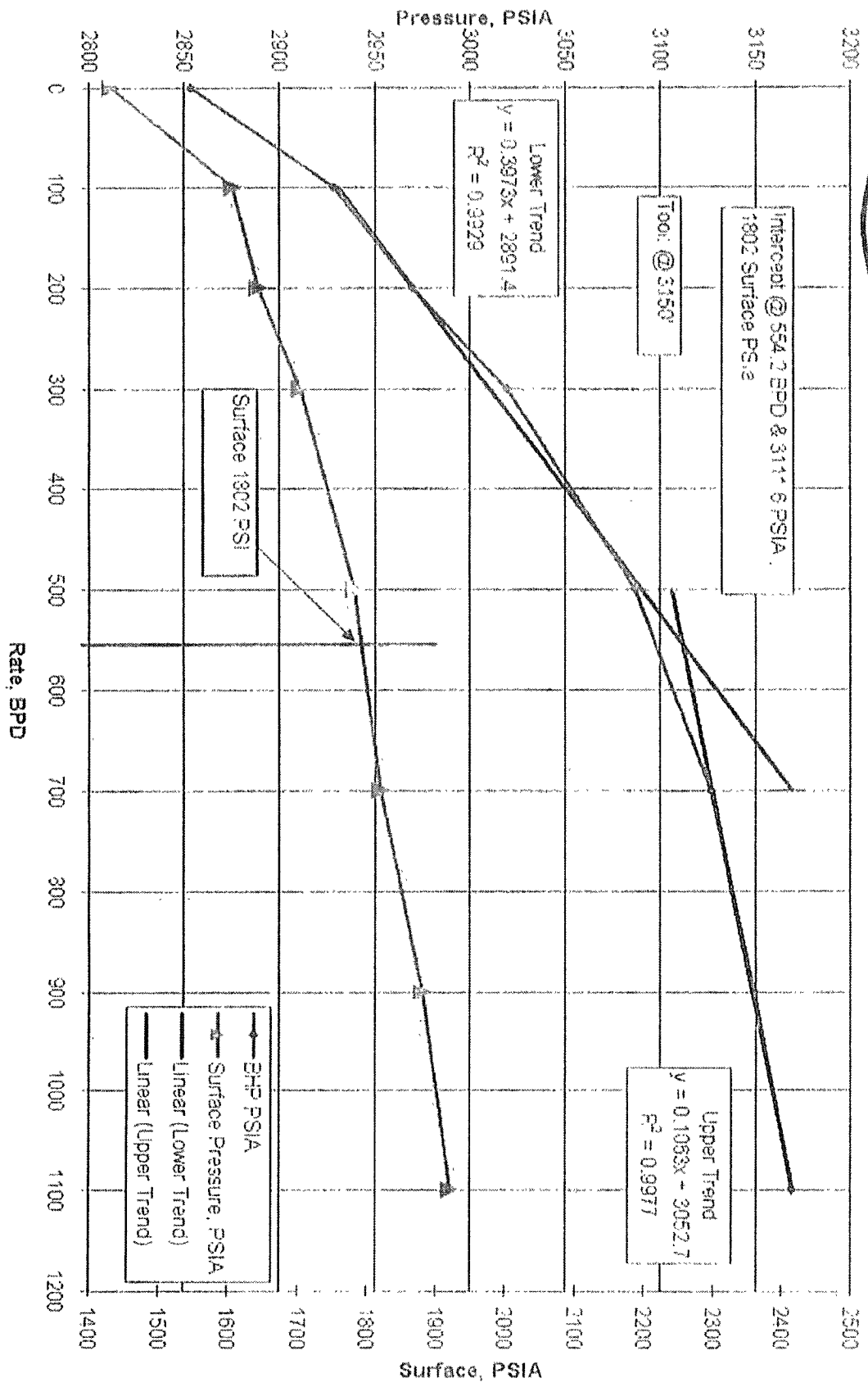


Step	S Time	E Time	D Time	Last Rate	Step	E. P.	Pressure	Surf	Cum	Delta	Avg.	Lower	Upper
			Min	SPD	SPD	Pressure	PSIA	PSIA	92L	92L	SPD	Trend	Trend
1	8:29 AM	8:45 AM	15	0	0	0	2991.8	1444.6	0	0	0		
2	8:45 AM	8:45 AM	30	100	100	100	3048.6	1522.3	6.1	6.1	146	3048.6	
3	9:45 AM	10:45 AM	60	200	100	100	3139.5	1739.2	15	8.9	274	3139.5	
4	10:45 AM	11:45 AM	60	300	100	100	3221	1929.5	28.4	13.4	522	3221	
5	11:45 AM	12:45 PM	60	500	300	300	3312.7	1934.1	51.5	29.2	567	3312.7	
6	12:45 PM	1:45 PM	60	936	300	300	3371.2	1999.4	89	37.4	893	3371.2	
7	1:45 PM	2:45 PM	60	1200	300	300	3411.5	2022.4	139	50	1200	3411.5	
8	2:45 PM	3:00 PM	15	0	-1200	-1200	3394	1940	139	0	0		

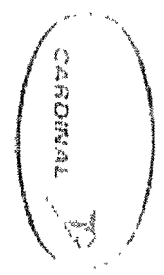
in point: 362.91828 SPD
 3276.5126 Psia
 0.861 2994.2
 0.1847 3219.5



Chesapeake Energy Corp. WTU # 912
Step Rate Test 06-02-2008



Step Rate Test
 Chesapeake Energy
 WTU # 912
 Field:
 Lee County, WA

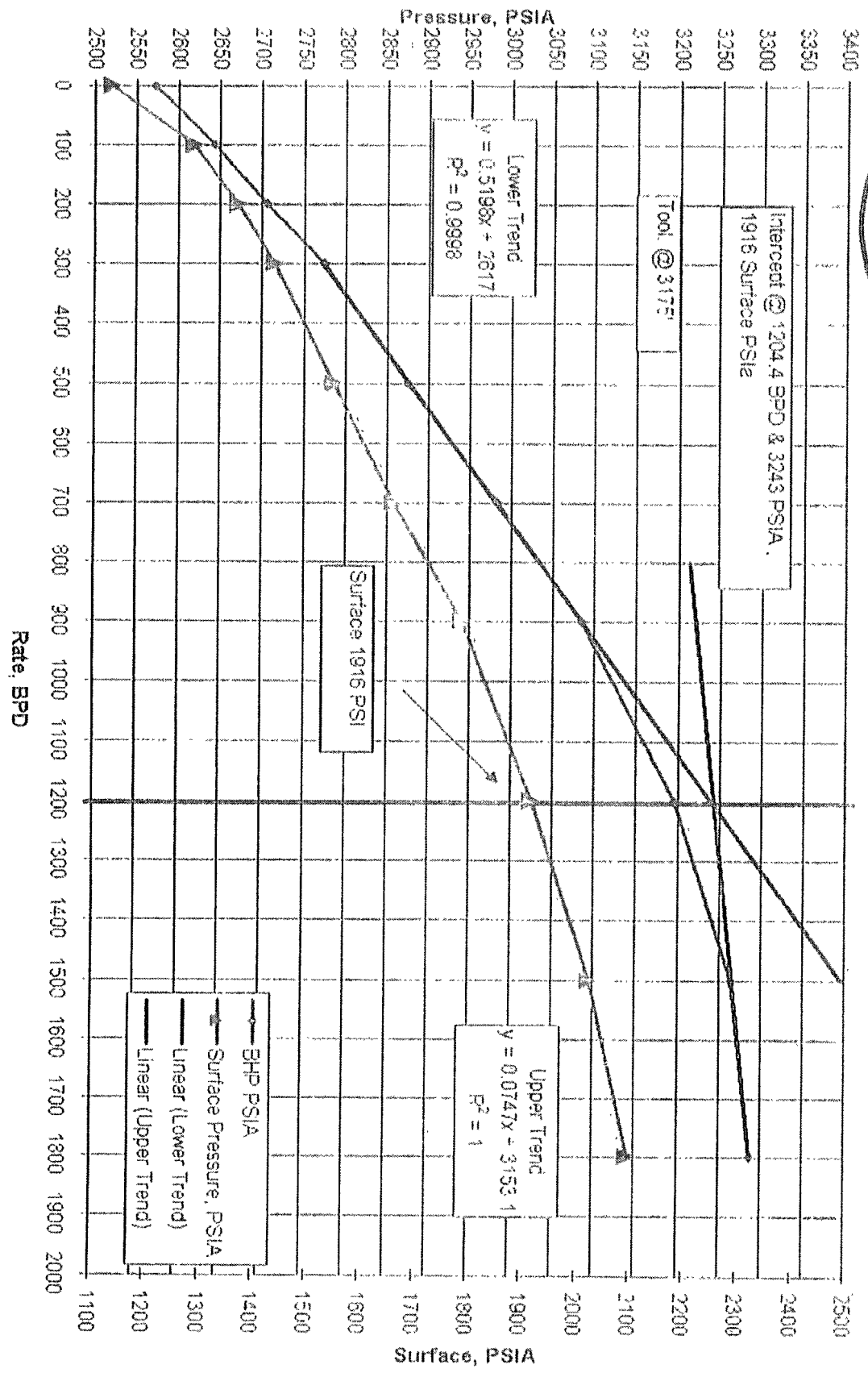


	S Time	E Time	D Time		Last Rate	Step	S. H. Pressure	Surf	Dum	Delta	Avg	Lower	Upper
			Min	Sec									
1	8:48 AM	9:00 AM	12	0	0	0	2893.5	1432.9	0	0	0	2928	
2	9:00 AM	10:00 AM	60	100	100	100	2899.4	1607	3.5	8.5	204	2899.4	
3	10:00 AM	11:00 AM	60	200	200	100	3019.1	1704.1	17.4	8.9	214	3019.1	
4	11:00 AM	12:00 PM	60	300	300	100	3096.2	1782.5	30.3	12.9	526	3096.2	
5	12:00 PM	1:00 PM	60	500	500	200	3126.5	1821.1	52.3	26.9	594	3126.5	
6	1:00 PM	2:00 PM	60	700	700	200	3149.5	1960.9	81.2	38.9	994	3149.5	
7	2:00 PM	3:00 PM	60	900	900	200	3189	1922.1	120.3	45.4	1090	3189	
8	3:00 PM	4:00 PM	60	1100	1100	200	3126	1797	166.6	0	0		
9	4:00 PM	5:00 PM	60	0	0	-1100							

int point: 594.29553 BPD
 3111.5216 Psia
 0.3973 2991.4
 0.1063 3052.7

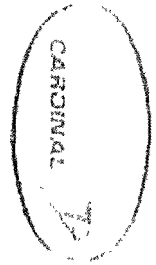


Chesapeake Energy Corp. WTU # 913
 Step Rate Test 06-03-2008



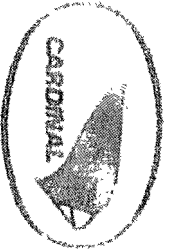
Step Rate Test

Chesapeake Energy
 WTU # 915
 Field:
 Lea County, NM

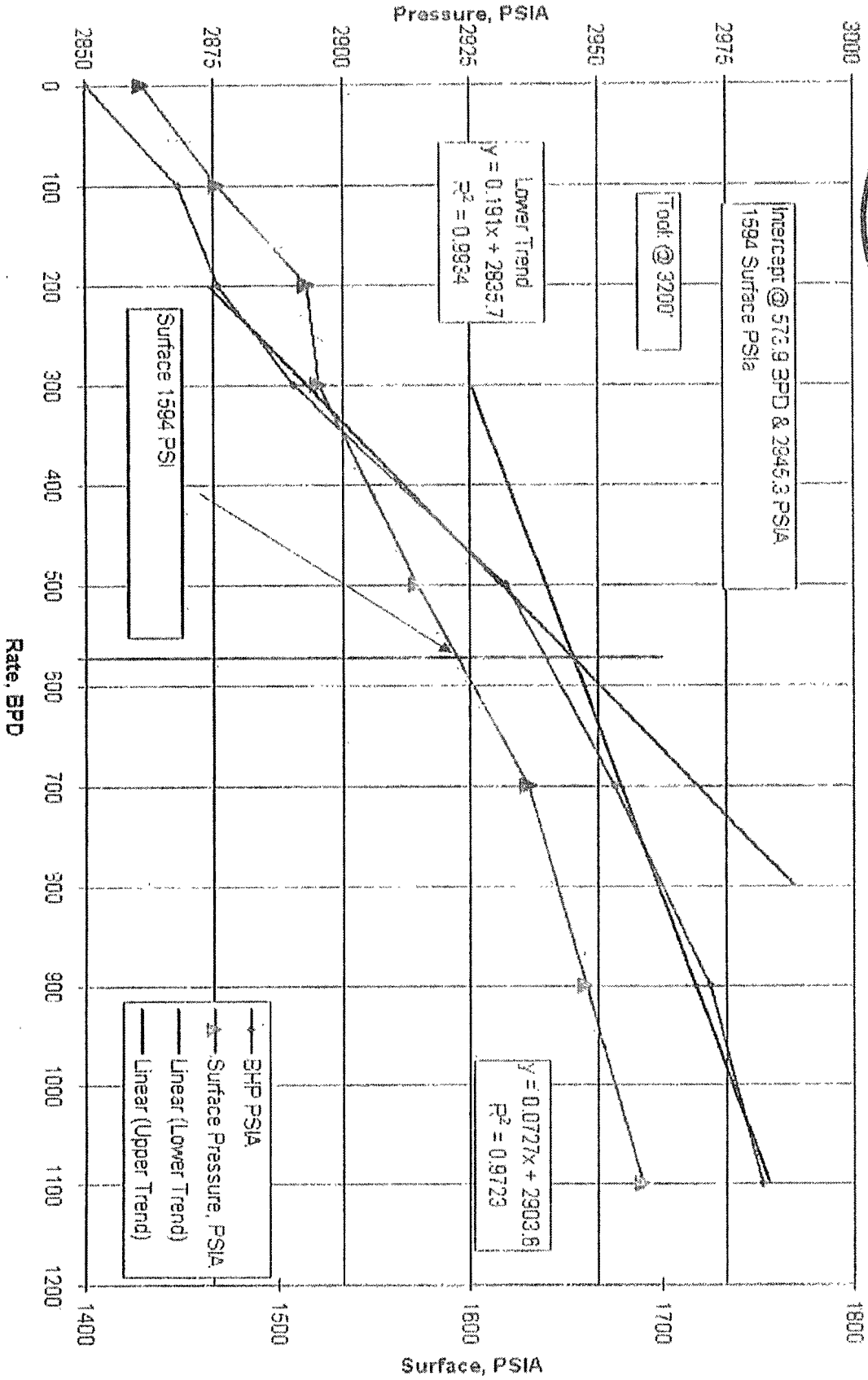


Step	S Time	E Time	O Time		Step S	H. Pressure		Cum	Delta	Avg.	Lower	Upper
			Min	Last		SPD	PSIA					
1	8:51 AM	9:00 AM	5	5	0	2571.9	1131.4	0	0	0		
2	9:00 AM	10:00 AM	60	100	100	2643.1	1289	5.7	5.7	137		
3	10:00 AM	11:00 AM	60	200	100	2705	1366.8	14.7	9	216		
4	11:00 AM	12:00 PM	30	300	100	2772.8	1403.3	28	13.8	319	2773.6	
5	12:00 PM	1:00 PM	80	500	200	2874.8	1548.5	49.4	21.4	514	2974.6	
6	1:00 PM	2:00 PM	50	700	200	2983	1667.9	76.9	29.2	701	2983	
7	2:00 PM	3:00 PM	60	900	200	3084.2	1736.6	116.6	36	912	3084.2	
8	3:00 PM	4:00 PM	60	900	300	3195.7	1815.8	188.5	51.9	1246		
9	4:00 PM	5:00 PM	60	1200	300	3285.1	2008.1	231.1	62.6	1502		
10	5:00 PM	6:00 PM	60	1500	300	3287.5	2088.1	308.5	77.4	1858		
11	6:00 PM	6:15 PM	15	0	-1800	3182	1815	308.5	0	0		3287.5

int point: 1294.4484 EPD
 0.5196 2617
 0.3747 3153.1
 3243.0726 sig



Chesapeake Energy Corp. WTU # 921
Step Rate Test 05-23-2008

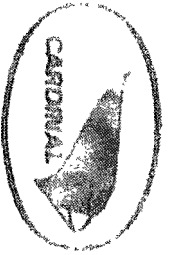


Step Rate Test
 Chesapeake Energy
 WTLU #92
 Field:
 Lea County, NV

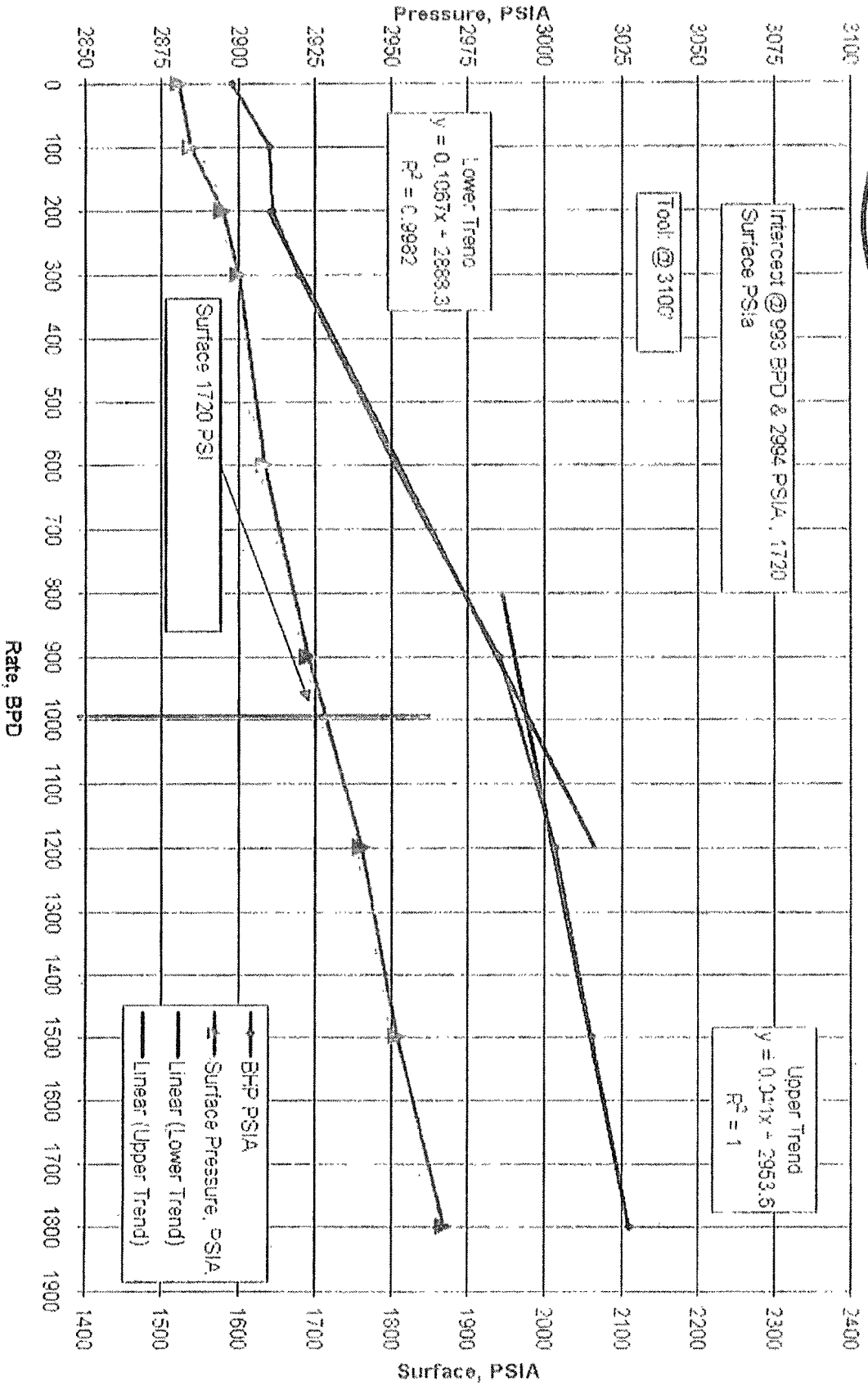


	S Time	E Time	D Time		Last Rate SPD	Step 3 H. Pressure BPD	PSIA	Sut PSIA	Cum BBL	Delta BBL	Avg. SPD	Lower Trend	Upper Trend
			Min	Max									
1	8:28 AM	8:30 AM	2	0	0	0	2850.4	1430	0	0	0		
2	8:30 AM	9:30 AM	60	100	100	100	2888.2	4488.5	6.5	6.5	156		
3	9:30 AM	10:30 AM	60	200	200	100	2875.7	157.5	15.7	9.2	221	2875.7	
4	10:30 AM	11:30 AM	60	300	300	100	2890.3	157.9	23.7	13	312	2890.3	
5	11:30 AM	12:30 PM	60	500	500	200	2853.1	1572.9	49.3	21.1	508	2853.1	
6	12:30 PM	1:30 PM	60	700	700	200	2853.1	1580.6	60.2	30.4	700	2853.1	
7	1:30 PM	2:30 PM	60	900	900	200	2971.9	1650	117.9	37.7	905	2971.9	
8	2:30 PM	3:30 PM	60	1100	1100	200	2982.2	1689.6	185.5	47.6	1142	2982.2	
9	3:30 PM	3:45 PM	15	0	0	-1100	2875	1496	165.5	0	0		

Start point: 573.9645 SPD
 2945.3272 Psia
 0191 2835.7
 00727 2903.6

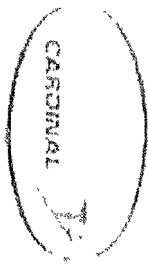


Chesapeake Energy Corp. WTLU # 924
 Step Rate Test 05-27-2008



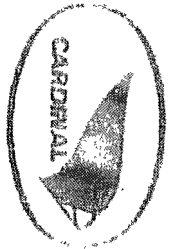
Step Rate Test

Chesapeake Energy
 WTU #924
 Field:
 Lea County, NM

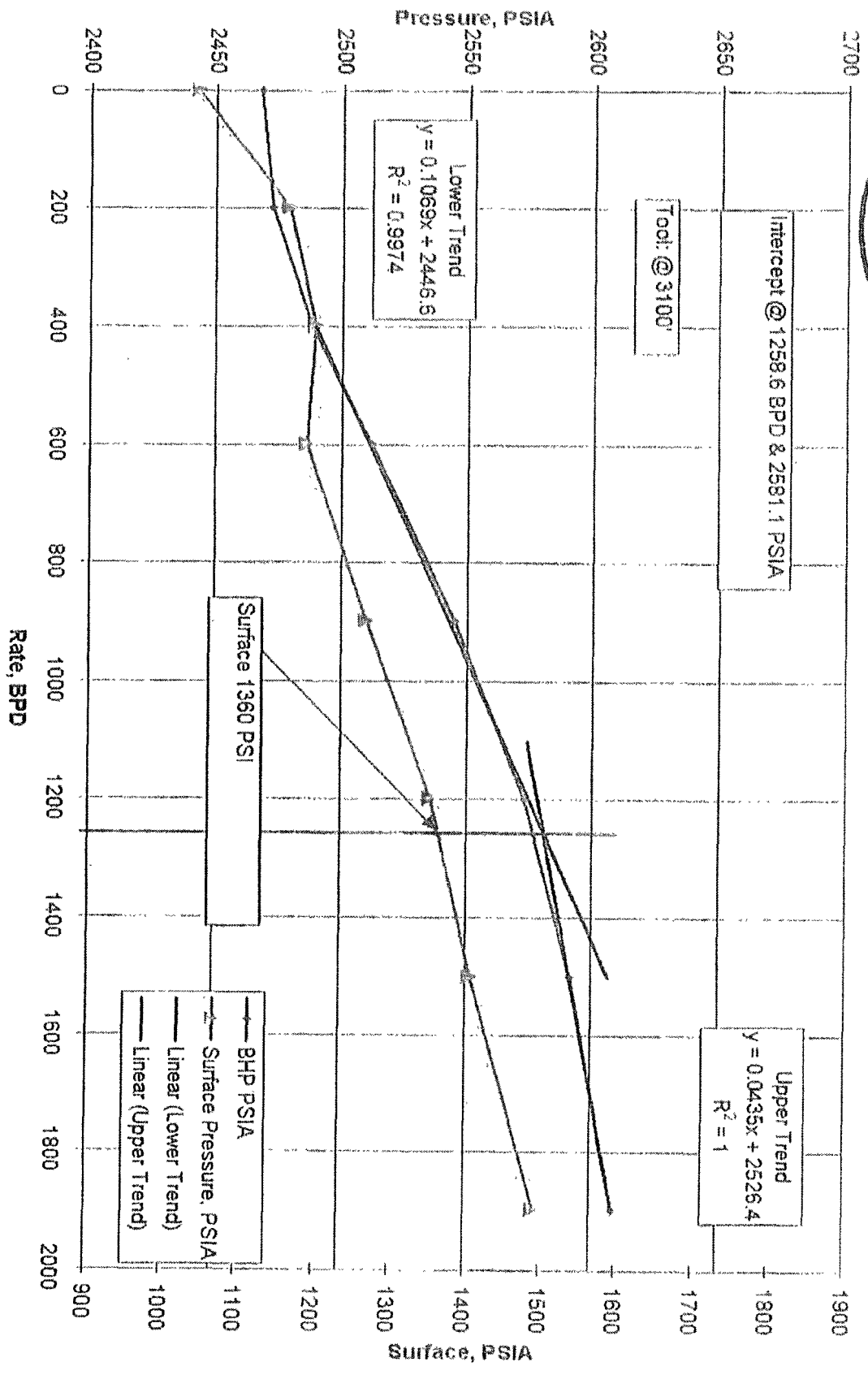


S Time	E Time	D Time	Last Rate	Step R. H.	Pressure		Avg. SPD	Lower Trend	Upper Trend
					PSIA	Surf PSIA			
1 8:00 AM	10:00 AM	50 Min	0 BPD	0 BPD	2998.1	1522.4	0		
2 10:00 AM	11:00 AM	50	100	100	2910.8	1537.6	0		
3 11:00 AM	12:00 PM	50	200	100	2911	1579.4	8.8	2911	
4 12:00 PM	1:00 PM	50	300	100	2919.5	1601.1	13.4	2919.5	
5 1:00 PM	2:00 PM	50	600	300	2950.7	1534.3	25.7	2950.7	
6 2:00 PM	3:00 PM	50	900	300	2985.4	1891.1	32.9	2985.4	
7 3:00 PM	4:00 PM	50	1200	300	3008.7	1759.4	50.9		
8 4:00 PM	5:00 PM	50	1500	300	3015.1	1807.2	54.9		
9 5:00 PM	6:00 PM	50	1800	300	3027.4	1868.7	79.5		
10 6:00 PM	6:45 PM	15	0	-1800	2957.2	1526.9	0		

0.1097 2889.5
 0.041 2953.5
 993.91172 SPD
 2994.6504 Psia

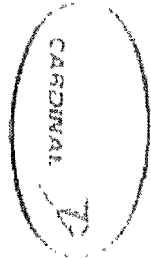


Chesapeake Energy Corp. WTU # 941
Step Rate Test 05-23-2008



Step Rate Test

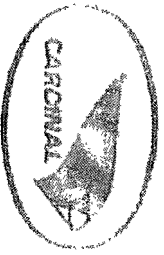
Chesapeake Energy
 WTU # 941
 Field:
 Lea County NM



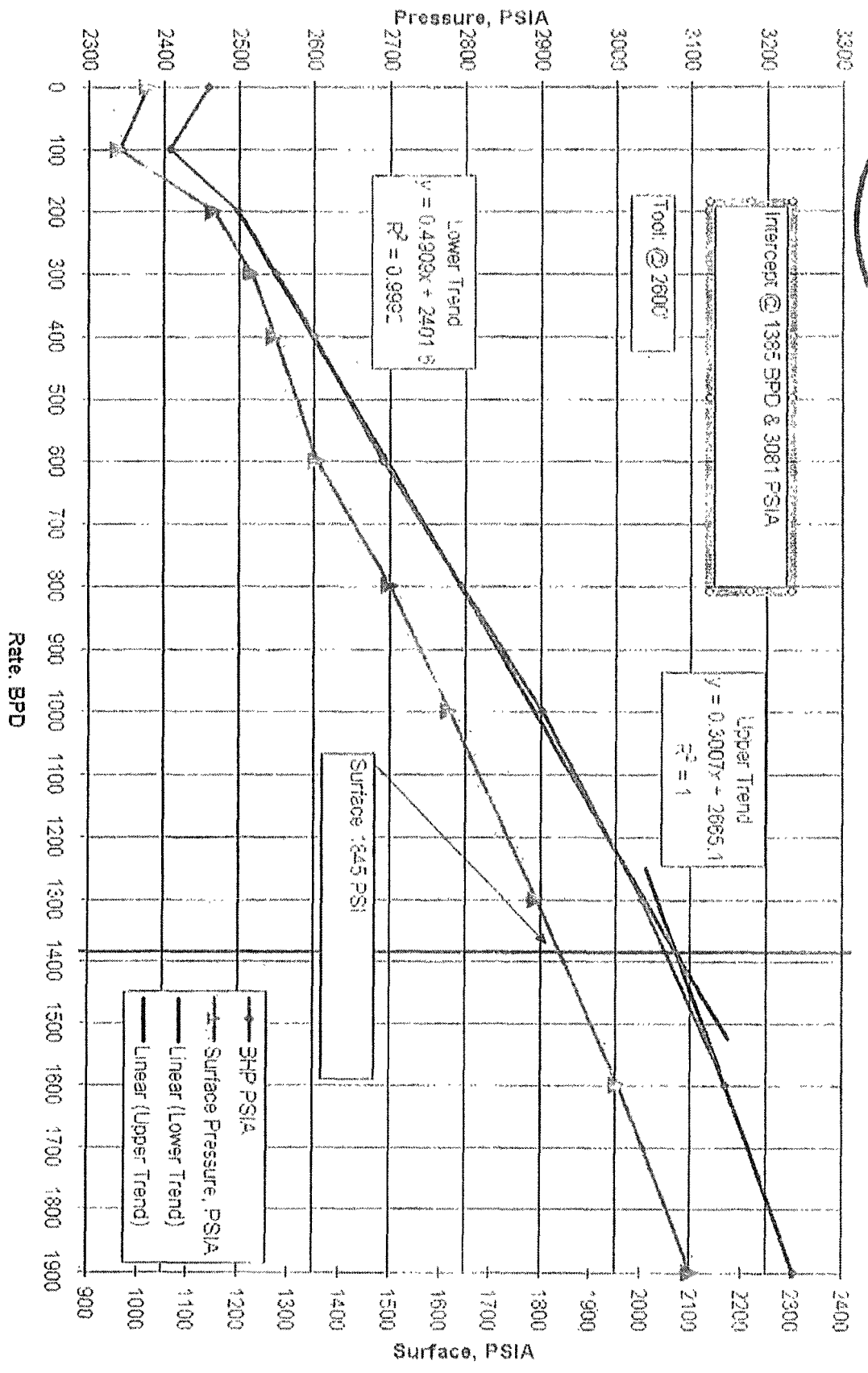
	S Time	E Time	D Time	Last Rate	Step	S. H. Pressure	Surf	Cum	Delta	Avg.	Lower	Upper
			Min	BPD	BPD	PSIA	PSIA	BBL	BBL	BPD	Trend	Trend
1	10:23 AM	10:30 AM	1	0	0	2469	1044.7	0	0	0		
2	10:30 AM	11:30 AM	60	200	200	2472.6	1162.6	6.8	6.8	205	2497.5	
3	11:30 AM	12:30 PM	60	400	200	2487.9	1196.7	26.9	16.1	396	2511.6	
4	12:30 PM	1:30 PM	60	600	200	2611.8	1266.7	51.7	26.3	615	2545	
5	1:30 PM	2:30 PM	60	800	300	2645	1286.9	98.2	37.5	800	2573.2	
6	2:30 PM	3:30 PM	60	1200	300	2673.2	1352	140.5	51.4	1294		
7	3:30 PM	4:30 PM	60	1600	300	2691.7	1406.7	203.1	62.6	1600		
8	4:30 PM	5:30 PM	60	1800	400	2609.1	1492.5	264.9	61.8	1863		
9	5:30 PM	5:45 PM	15	0	-1900	2675.2	1251.4	284.9	0	0		

0.1066 2446.5
 0.0405 2526.4

Int point: 1268.6751 BPD
 2581.1324 Gals



Chesapeake Energy Corp. WTU # 945
 Step Rate Test 05-22-2008



Step Rate Test
 Melissa Coeasing
 W7U #945
 Field
 Lee County, NM



S. Time	E. Time	D. Time	Last	Rate	Step E. H. Pressure	SLT		Cum	Delta	AVG.	Lower	Upper
						PSIA	SEL					
1 8:04 AM	8:30 AM	26		0	2459.5	1076.1	0	0	0	127	2499.2	
2 9:30 AM	10:30 AM	60		100	2407.1	859.6	6.3	5.3	127	204	2549.6	
3 10:30 AM	11:30 AM	60		200	2499.2	1149.9	13.3	8.5	204	305	2699.4	
4 11:30 AM	12:30 PM	60		300	2549.6	1223.1	26.5	12.7	305	354	2889.8	
5 12:30 PM	1:30 PM	60		405	2599.4	1271.5	42.5	19	354	422	2999.4	
6 1:30 PM	2:30 PM	60		500	2689.8	1353.0	63.2	25.9	422	522	3089.8	
7 2:30 PM	3:30 PM	60		600	2794.1	1459.9	102	33.6	522	605	2794.1	
8 3:30 PM	4:30 PM	60		1000	2902.3	1519	144.6	42.6	605	1022	2902.3	
9 4:30 PM	5:30 PM	60		1300	3034.5	1724	204.5	59.9	1022	1432	3034.5	
10 5:30 PM	6:30 PM	60		1500	3145.2	1957.3	265.4	60.9	1432	1462	3145.2	
11 6:30 PM	7:30 PM	60		1600	3236.4	2102.7	346	80.6	1462	1934	3236.4	
12 7:45 PM		15										

int point: 1365.3333 BPC
 2081.6849 Psia
 0.4909 2401.6
 0.3097 2665.1