

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



246

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
 [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
 [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name	Signature	Title	Date

e-mail Address			



MERIT ENERGY COMPANY

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2004 DEC 3 PM 12 37

December 2, 2004

Oil Conservation Division
Mr. William Jones
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Step-Rate Tests
Amend Provisions
Administrative Order No. WFX-795
Fren Oil Co. #5, Fren Oil Co. #25,
Turner B #12

Dear Mr. Jones:

Based on the step-rate results attached, Merit Energy Company, is respectfully requesting an increase in rates and pressures on the subject wellbores. Below are the requested rates:

Fren #5 252.6 bpd, 1109.0 psia
Fren #25 334.8 bpd, 1158.7 psia
Turner B #~~25~~₁₂ 635.4 bpd, 1180.24 psia

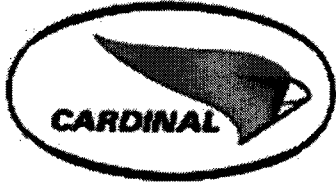
If you have questions or need further information, please contact John Petty, office number 972 628 1 602, email john.petty@meritenergy.com

Thank you for your time.

Beverly Hatfield
Senior Regulatory Analyst

enclosure

Step Rate Test



Intercept: 252.6 BPD,
1983.7 PSIA BHP,
1109.9 Surf. PSIA

Cardinal Surveys Company

November 23, 2004

Merit Energy, Company
Fren # 5
Field N/A
Eddy County, New Mexico

7:00 AM Arr. Loc.
8:05 AM G.I.H.
8:30 AM Start Pump Truck
9:00 AM 114 BPD
9:30 AM 223 BPD
10:00 AM 347 BPD
10:30 AM 491 BPD
11:00 AM 638 BPD
11:15 AM COH
11:45 AM Rig down
12:00 PM Leave Location

Step Rate Test

Merit Energy Company
 Fren # 5
 Field N/A
 Eddy County, New Mexico



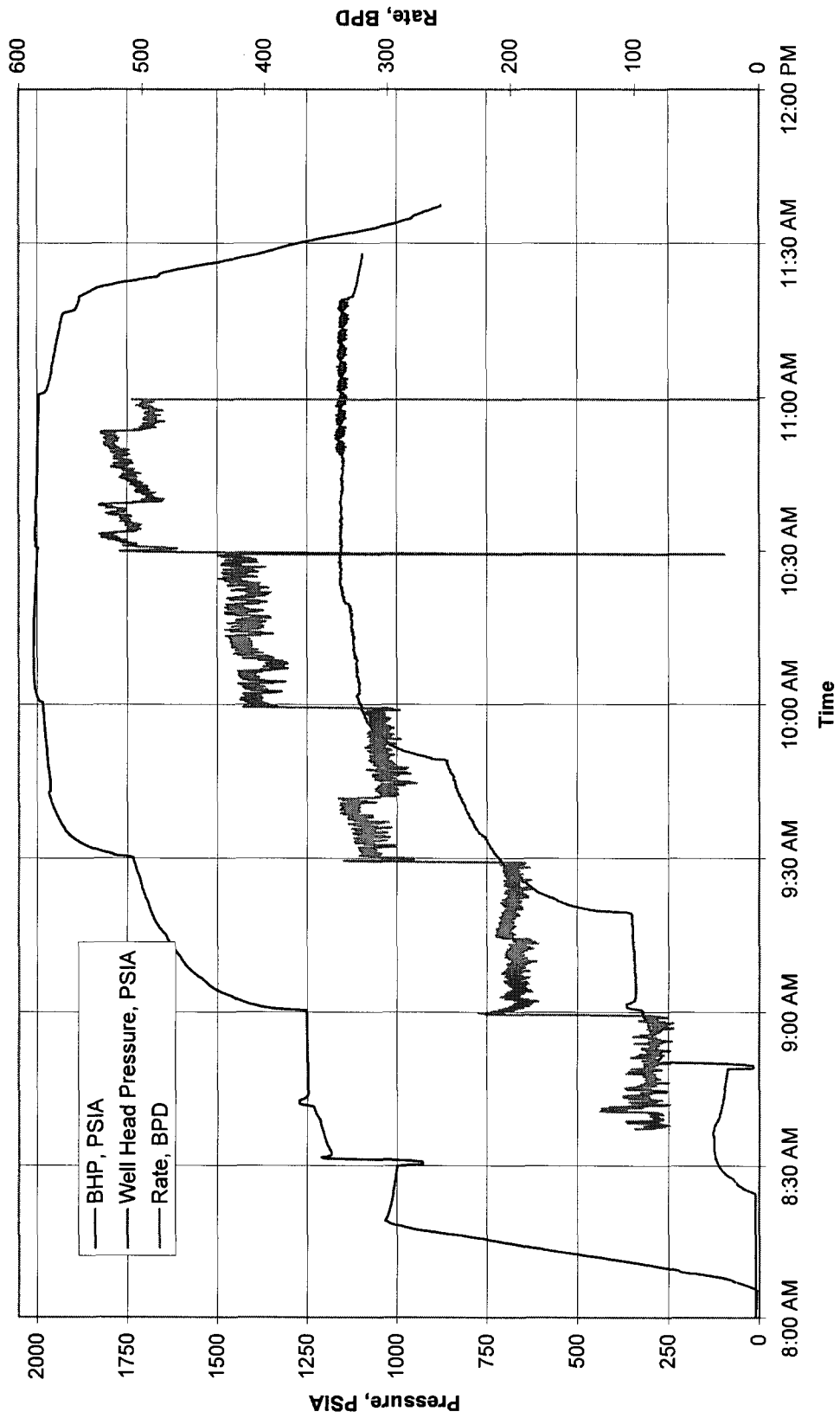
	S Time	E Time	D Time		Last Rate BPD	Step BPD	Last BHP		Last Surf PSIA	Cum BBL	Delta		Avg BPD	lower	upper
			Min	Max			PSIA	BBL			BBL	BBL			
1	8:05:00 AM	8:30:00 AM	25	0	0	0	1012.2	200	0	0	0	0			
2	8:30:00 AM	9:00:00 AM	30	100	100	100	1251.1	336.7	1.4	1.4	1.4	67	1251.1		
3	9:00:00 AM	9:30:00 AM	30	200	200	100	1731.1	845.6	4.9	4.9	3.5	168	1731.1		
4	9:30:00 AM	10:00:00 AM	30	300	300	100	1982.9	1113.9	10.8	10.8	5.9	283		1982.9	
5	10:00:00 AM	10:30:00 AM	30	400	400	100	1999.7	1136.9	18.9	18.9	8.1	389		1999.7	
6	10:30:00 AM	11:00:00 AM	30	500	500	100	1994.7	1144.6	29.5	29.5	10.6	509		1994.7	

int point: 4.8 771.1
 0.059 1968.8
 252.62603 BPD
 1983.7049 PSIA

Surf Int Point 251.76 BPD
 1109 Surf. PSIA

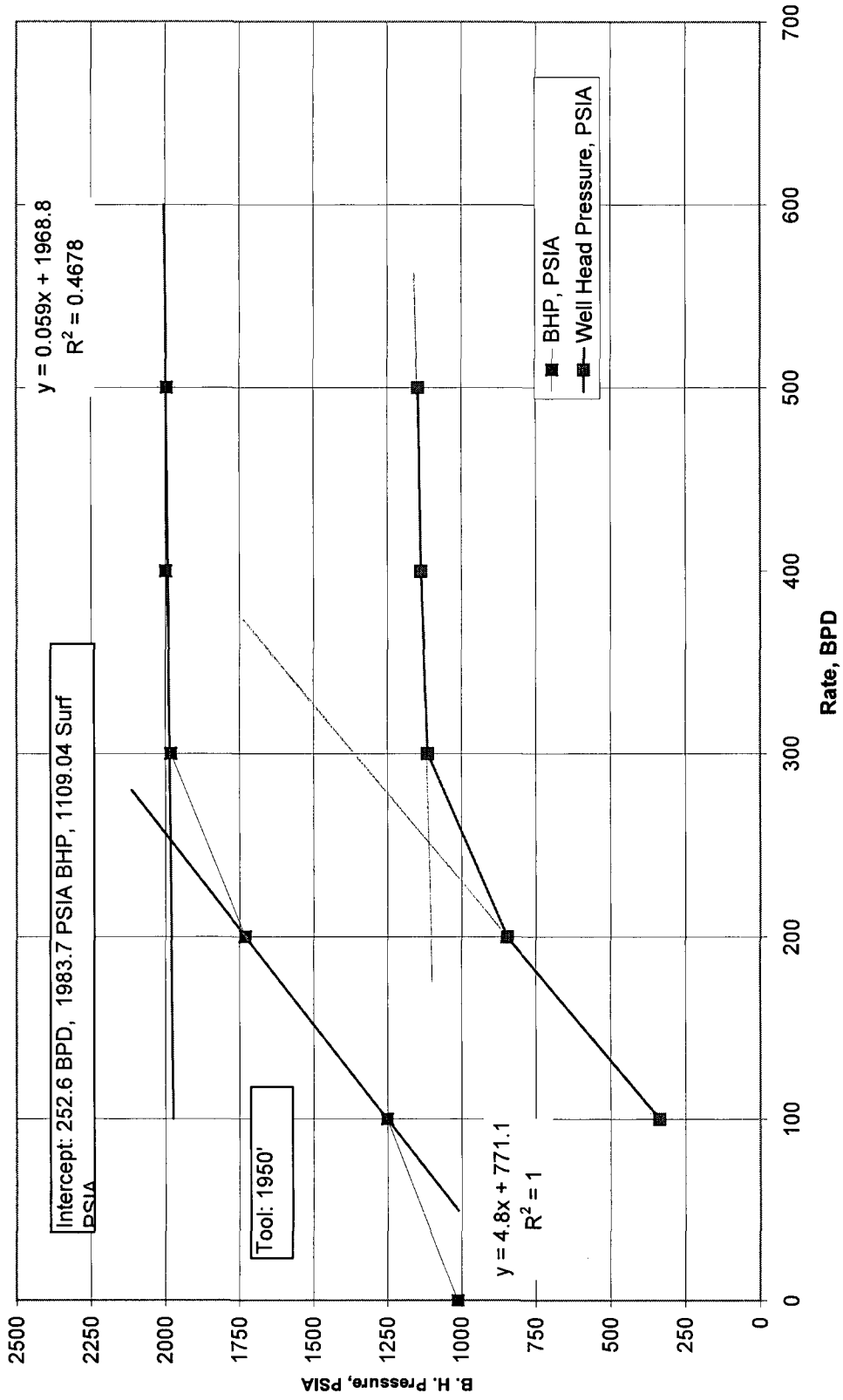


Merit Energy Company, Fren 5
Step Rate Test Raw Data 11-23-04

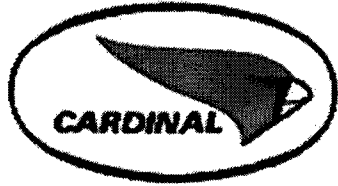




Merit Energy Company, Fren # 5
Step Rate Test 11-23-04



Step Rate Test



Cardinal Surveys Company

November 12, 2004

Merit Energy Company
Fren # 25
Field N/A
Eddy County, New Mexico
SC54386

Intercept: 334.8 BPD, 1937 PSIA BHP, 1158.7 SURF PSIA

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

8:45 AM		Arr. Loc.
9:12 AM		G.I.H.
9:45 AM		On Bottom
9:55 AM	10:25 AM	100 BPD
10:25 AM	10:55 AM	200 BPD
10:55 AM	11:25 AM	300 BPD
11:25 AM	11:55 AM	400 BPD
11:55 AM	12:25 PM	500 BPD
12:25 PM	12:55 PM	600 BPD
12:55 PM		Stop Pump
1:05 PM		COH
1:35 PM		Rig down
2:00 PM		Leave Location

Step Rate Test

Merit Energy Company
 Fren # 25
 Field N/A
 Eddy County, New Mexico



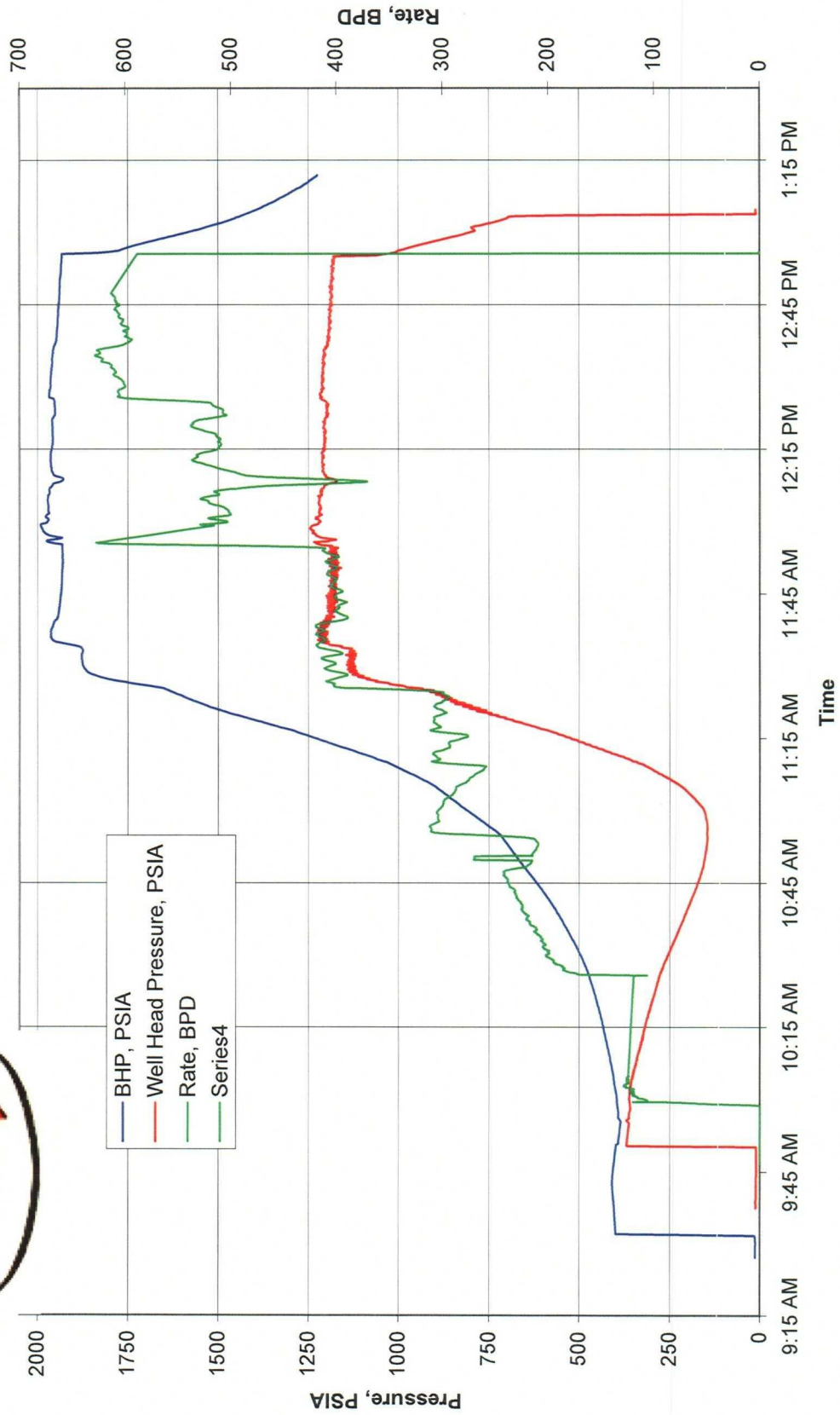
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1	9:45	9:55	10	0	0	386.2	349.7	0	0	0		
2	9:55 AM	10:25 AM	30	100	100	466.6	266.4	4.91	4.91	236		
3	10:25 AM	10:55 AM	30	200	100	711.2	131.3	13.13	8.22	395	711.2	
4	10:55 AM	11:25 AM	30	300	100	1620.1	891	24.83	11.7	562	1620.1	
5	11:25 AM	11:55 AM	30	400	100	1931	1152.9	40.9	16.07	771		1931
6	11:55 AM	12:25 PM	30	500	100	1952.4	1184.8	62.6	21.7	1042		1952.4
	12:25 PM	12:55 PM	30	600	100	1932.8	1162.7	89.5	26.9	1291		1932.8

9.089 -1106.6
 0.009 1934.2
 int point: 334.88987 BPD
 1937.214 PSIA

Surface PSI Gauge Ser. No.

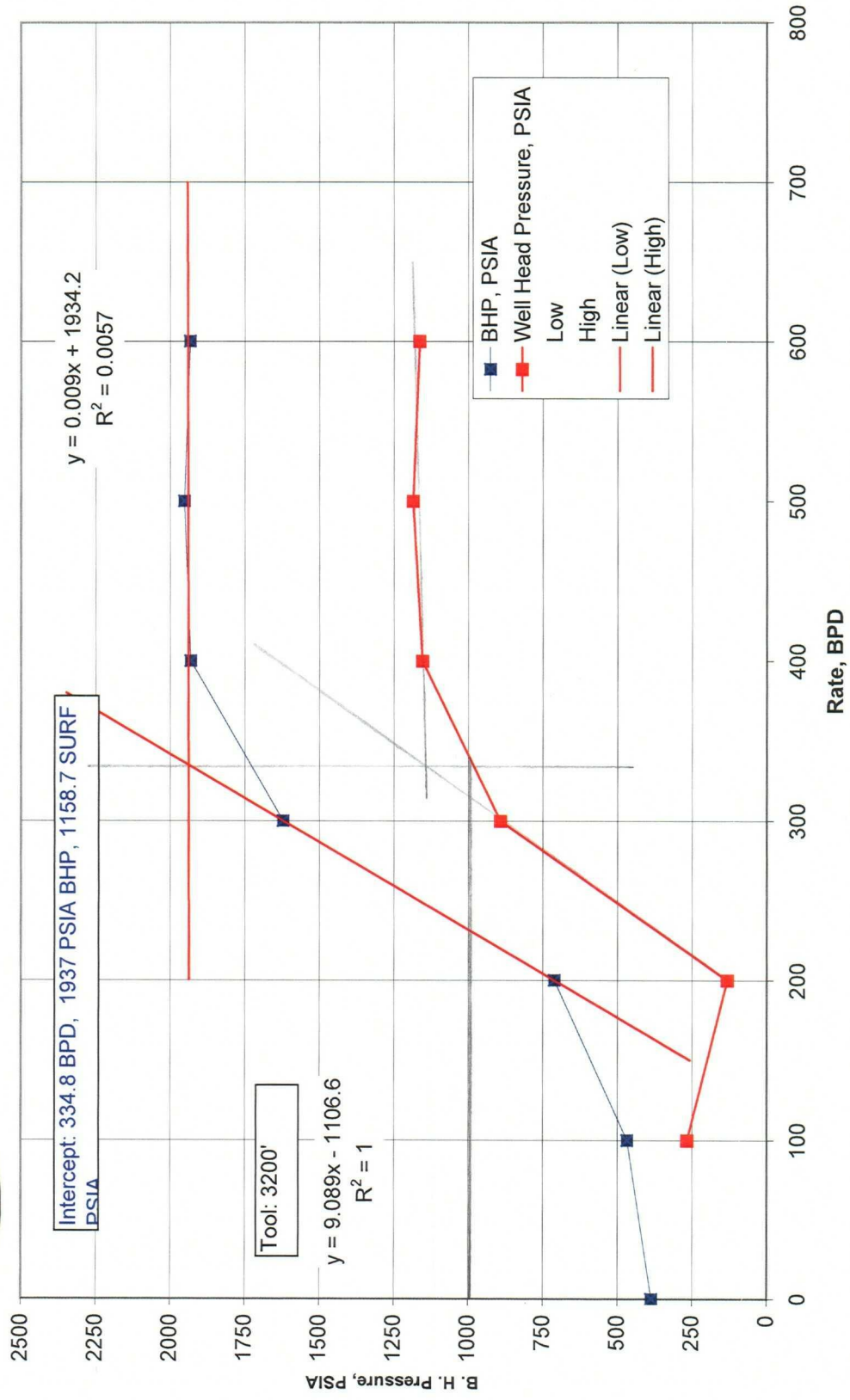


**Merit Energy Company, Fren # 25
Step Rate Test Raw Data 11-12-04**



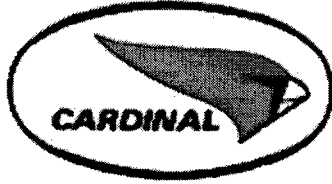


Merit Energy Company, Fren # 25
Step Rate Test 11-12-04



Step Rate Test

Turner B # 12



Intercept: 635.4 BPD,
1992.4 PSIA BHP,
1180.24 Surf. PSIA

1	12:18	12:50:00 PM	0	639	0	0
2	12:50:00 PM	1:20:00 PM	100	752	0	4
3	1:20:00 PM	1:50:00 PM	200	897	105	8
4	1:50:00 PM	2:20:00 PM	300	1126	334	14
5	2:20:00 PM	2:50:00 PM	400	1405	631	22.5
6	2:50:00 PM	3:20:00 PM	500	1659	840	33.3
7	3:20:00 PM	3:50:00 PM	600	1896	1085	45.4
8	3:50:00 PM	4:20:00 PM	700	1997	1188	59.6
9	4:20:00 PM	4:50:00 PM	800	2004	1202	75.9

Step Rate Test

Merit Energy Company
 Turner B # 12
 Field N/A
 Eddy 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	12:18	12:50 PM	32	0	0	639	0	0	0	0		
2	12:50 PM	1:20 PM	30	100	100	752	0	4	4	192		
3	1:20 PM	1:50 PM	30	200	100	897	105	8	4	192	897	
4	1:50 PM	2:20 PM	30	300	100	1126	334	14	6	288	1126	
5	2:20 PM	2:50 PM	30	400	100	1405	631	22.5	8.5	408	1405	
6	2:50 PM	3:20 PM	30	500	100	1659	840	33.3	10.8	518	1659	
7	3:20 PM	3:50 PM	30	600	100	1896	1085	45.4	12.1	581	1896	
	3:50 PM	4:20 PM	30	700	100	1997	1188	59.6	14.2	682		1997
	4:20 PM	4:50 PM	30	800	100	2004	1202	75.9	16.3	782		2004

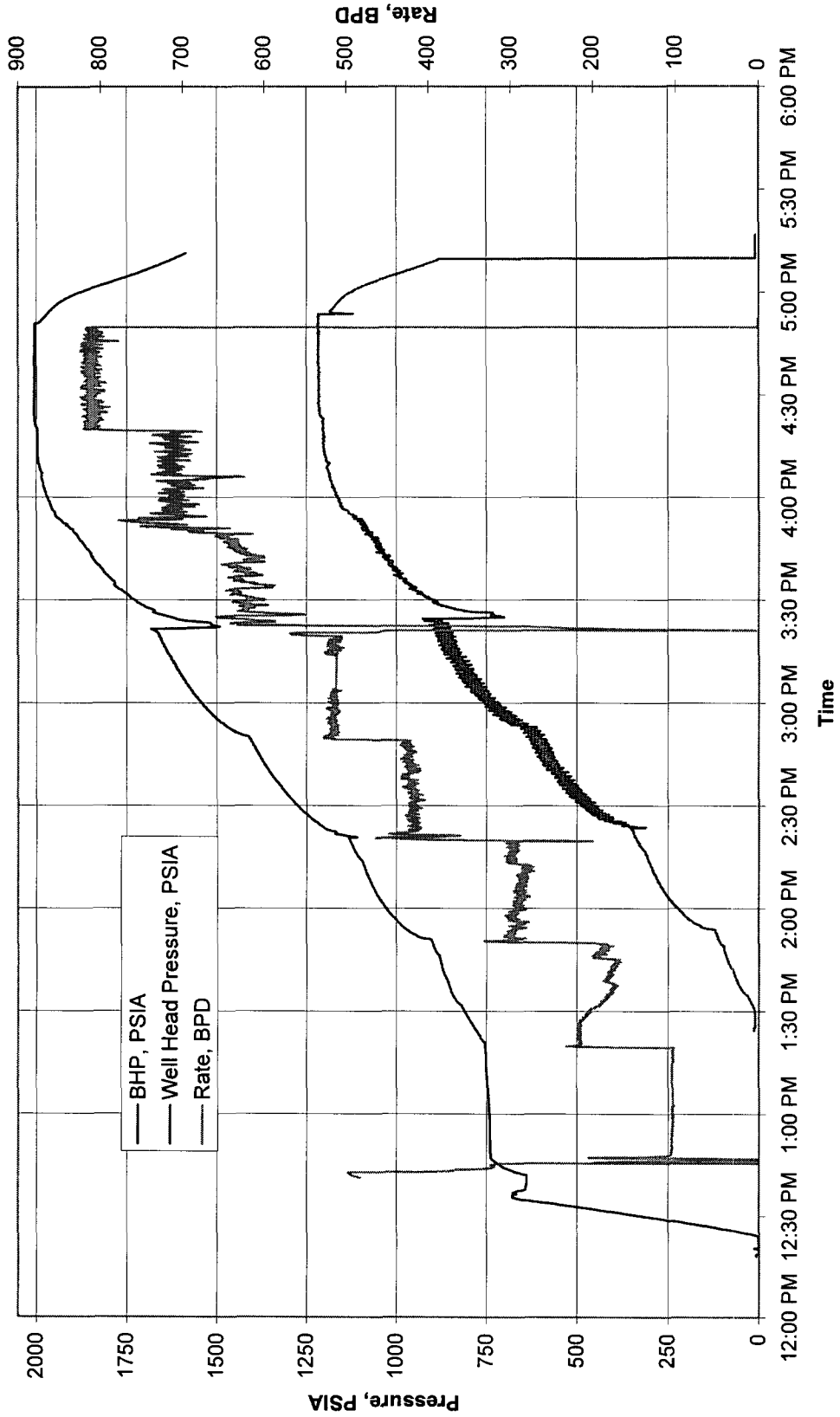
2.27 -283
 0.14 1090

int point: 644.60094 BPD
 1180.2441 PSIA

Surf Int. 644.6 BPD
 1182 Surf PSIA



**Merit Energy Company, Turner B # 12
Step Rate Test Raw Data 11-23-04**





**Merit Energy Company, Turner B # 12
Step Rate Test 11-23-04**

