

5-4-04 DATE IN	SUSPENSE	Cutanach ENGINEER	5-4-04 LOGGED IN	IPI TYPE	PSEM 0412549503 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



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**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			



Ray Westal Operating  
Trig Federal #4

Step Rate Test: 4-21-2004

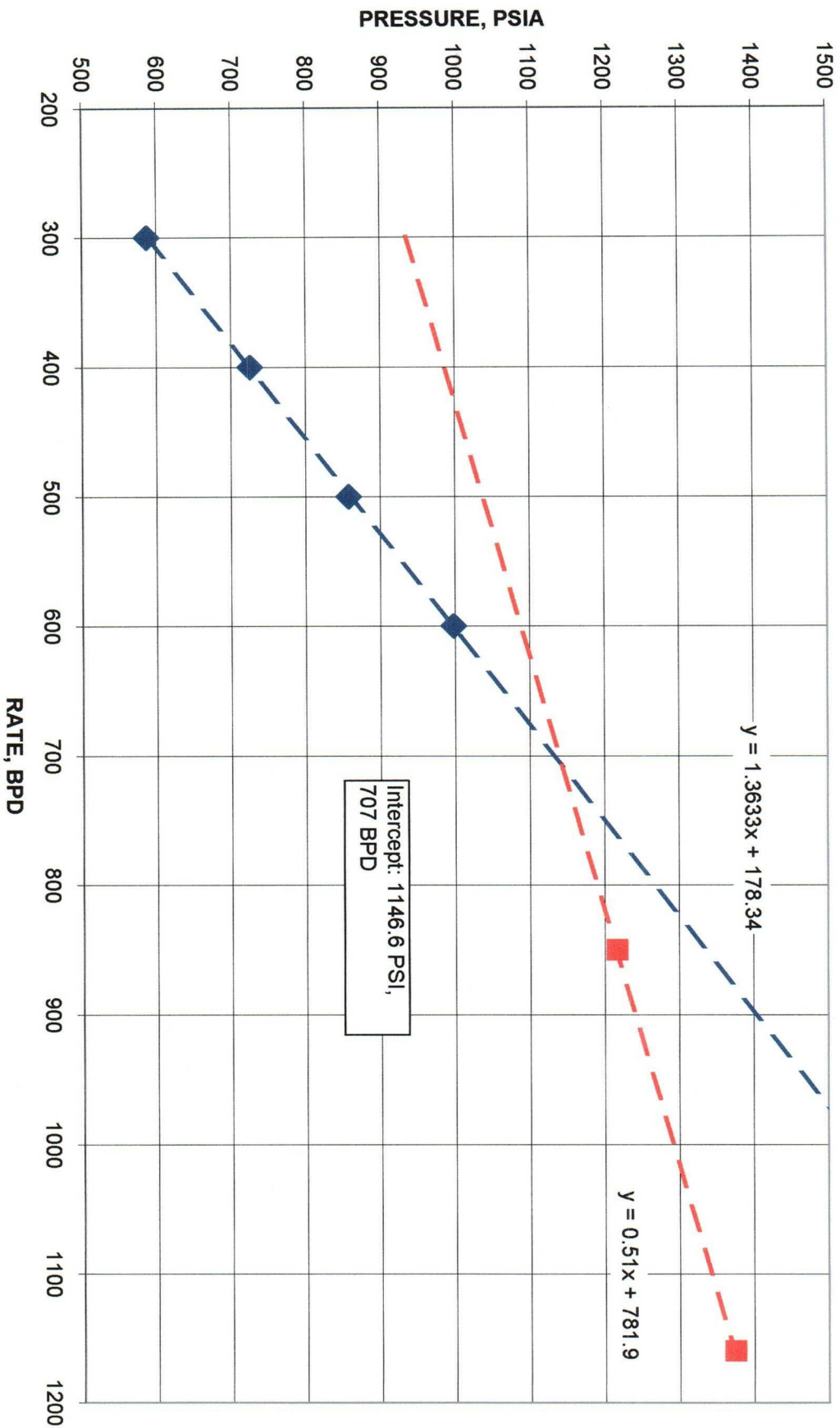
Cardinal Surveys Company

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Swp-601

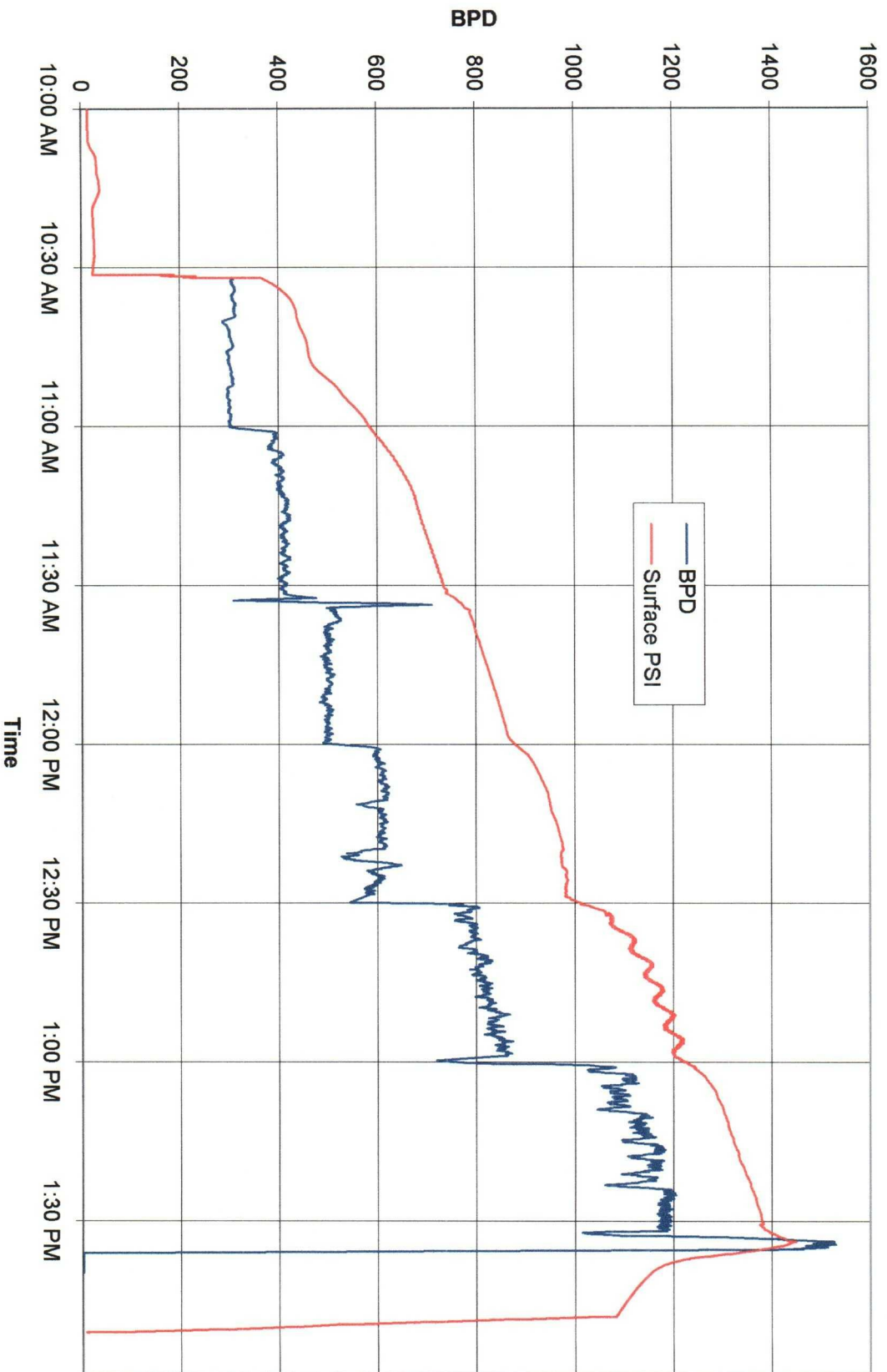


# Ray Westal Operating Trig Federal #4 Step Rate Test 4-21-2004





**Ray Westal Operating Trig Federal #4**  
**Step Rate Test 4-21-2004**



S. TIME	E. TIME	RATE, BPD	PSIA	STEP BBL	TOTAL	HIGH	LOW
9:40 AM	10:00 AM	0	33	0.00			
10:00 AM	10:30 AM	200	317.2	4.17	4.17		
10:30 AM	11:00 AM	300	587.1	6.25	10.42	587.1	
11:00 AM	11:30 AM	400	725.4	8.33	18.75	725.4	
11:30 AM	12:00 PM	500	857.2	10.42	29.17	857.2	
12:00 PM	12:30 PM	600	997.6	12.50	41.67	997.6	
12:30 PM	1:00 PM	850	1215.4	17.71	59.38		1215.4
1:00 PM	1:30 PM	1160	1373.5	24.17	83.54		1373.5

$$y = 0.51x + 781.9$$

$$y = 1.3633x + 178.34$$

0.51	781.9
1.3633	178.34
-0.8533	603.56
1142.635	707.3245