

ABOVE THIS LINE FOR DIVISION USE ONLY

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



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

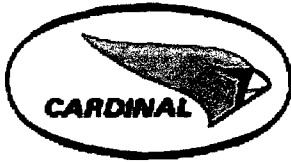
Signature

Title

Date

e-mail Address

Step Rate Test



Cardinal Surveys Company

April 5, 2005

Gruy Petroleum
Red Hills SWD #1
Field: N/A
Lea County NM

SC55244

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

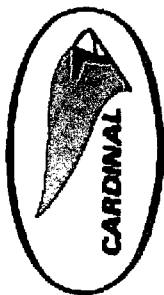
7:30 AM	Arr. Loc.	
8:34 AM	Gauge on	
9:21 AM	On Bottom	
9:21 AM 10:00 AM		0 BPD
10:00 AM 10:30 AM		150 BPD
10:30 AM 11:00 AM		250 BPD
11:00 AM 11:30 AM		350 BPD
11:30 AM 12:00 PM		600 BPD
12:00 PM 12:30 PM		800 BPD
12:30 PM 1:00 PM		1000 BPD
1:00 PM 1:30 PM		1200 BPD
1:30 PM 2:00 PM		1700 BPD
2:00 PM 2:30 PM		2200 BPD
2:30 PM 3:00 PM		3200 BPD
3:00 PM 3:30 PM		4000 BPD
3:30 PM 4:00 PM		0 BPD
	Fall Off	

4:15 PM

Start out of hole

Step Rate Test

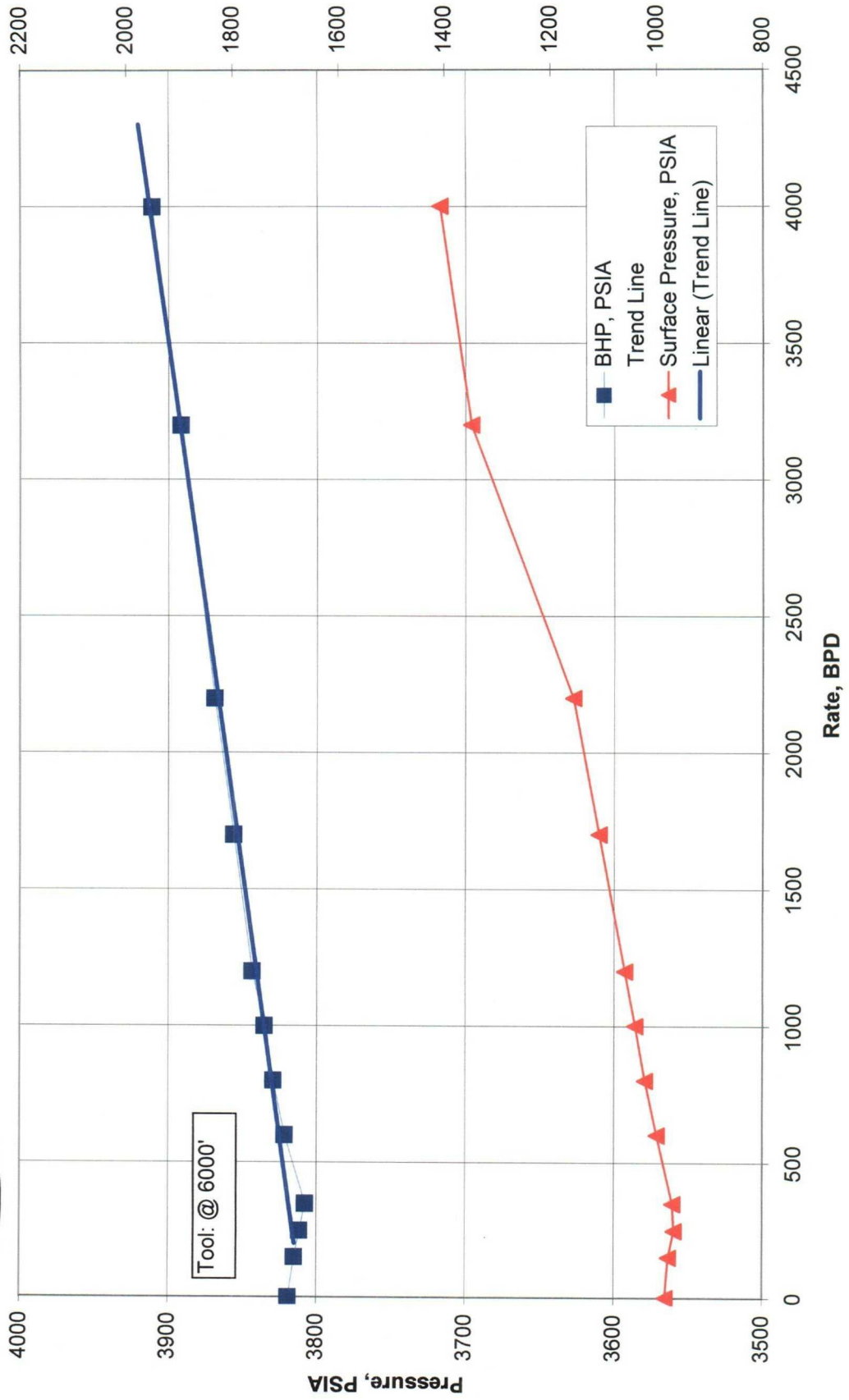
Gruy Petroleum
Red Hills SWD #1
Field: N/A
Lea County NM



	S Time	E Time	D Time	Last Rate	Step B. H. Pressure		Surf	Cum	Delta	Avg	trend line
			Min	BPD	BPD	PSIA	PSIA	BBL	BBL	BPD	
1	9:21 AM	10:00 AM	39	0	0	3819	983.4	0	0	0	
2	10:00 AM	10:30 AM	30	150	150	3814.9	977.6	4.4	4.4	211	
3	10:30 AM	11:00 AM	30	250	100	3811.3	966.8	9.4	5	240	
4	11:00 AM	11:30 AM	30	350	100	3807.7	969.5	16.5	7.1	341	3807.7
5	11:30 AM	12:00 PM	30	600	250	3821.6	999.6	28.1	11.6	557	3821.6
6	12:00 PM	12:30 PM	30	800	200	3829.3	1022	45.3	17.2	826	3829.3
7	12:30 PM	1:00 PM	30	1000	200	3835.3	1040.4	65.6	20.3	974	3835
8	1:00 PM	1:30 PM	30	1200	200	3843.5	1059.8	89.2	23.6	1133	3843.5
9	1:30 PM	2:00 PM	30	1700	500	3856	1108.5	124.1	34.9	1675	3856
10	2:00 PM	2:30 PM	30	2200	500	3868.9	1156.9	169.4	45.3	2174	3868.9
11	2:30 PM	3:00 PM	30	3200	1000	3891.7	1349	234.6	65.2	3130	3891.7
12	3:00 PM	3:30 PM	30	4000	800	3911.1	1408	325	90.4	4339	3911.1
13	3:30 PM	4:00 PM	30	0	0	3870	950.4	325	0	0	3920



Gruy Petroleum Red Hills SWD #1
Step Rate Test 04-05-2005





Gruy Petroleum Red Hills SWD #1
Step Rate Test 02-22-05

