

IPF-221

PWVJ0403350883

1/29/04



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

7415 East Main
Farmington, New Mexico 87402
(505) 327-4892 • Fax: (505) 327-9834

January 27, 2004

Mr. Will Jones
NM Oil and Gas Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

JAN 29 2004

**OIL CONSERVATION
DIVISION**

Re: Step Rate Injection Test
Calpine Natural Gas Company
Calpine SWD #1
NE/4 Section 33, T30N, R13W

Dear Mr. Jones,

Calpine Natural Gas Company performed a step-rate injection test on their Calpine SWD #1 disposal well on January 26, 2004. Based on the results of this test, Calpine Natural Gas requests an increase in the maximum allowable injection pressure to 1090 psi (50 psi less than the parting pressure), measured at the surface.

Attached as Exhibit #1 is a summary of the injection rates with surface and bottom hole pressures. Exhibit 2 is a plot of rate vs. bottom-hole and surface pressure, which clearly shows the parting pressure. Exhibits #3 and #4 are the raw bottom-hole and surface pressure data.

Please call if you have any questions or need additional data.

Sincerely,

Paul C. Thompson, P.E.
Agent for Calpine Natural Gas

cc: Mr. Charlie Perrin, NMOCD
Mr. Hugo Cartaya, Calpine

Exhibit #1

Calpine Natural Gas
Calpine SWD #1
Section 33. T30N, R13W
San Juan County, NM

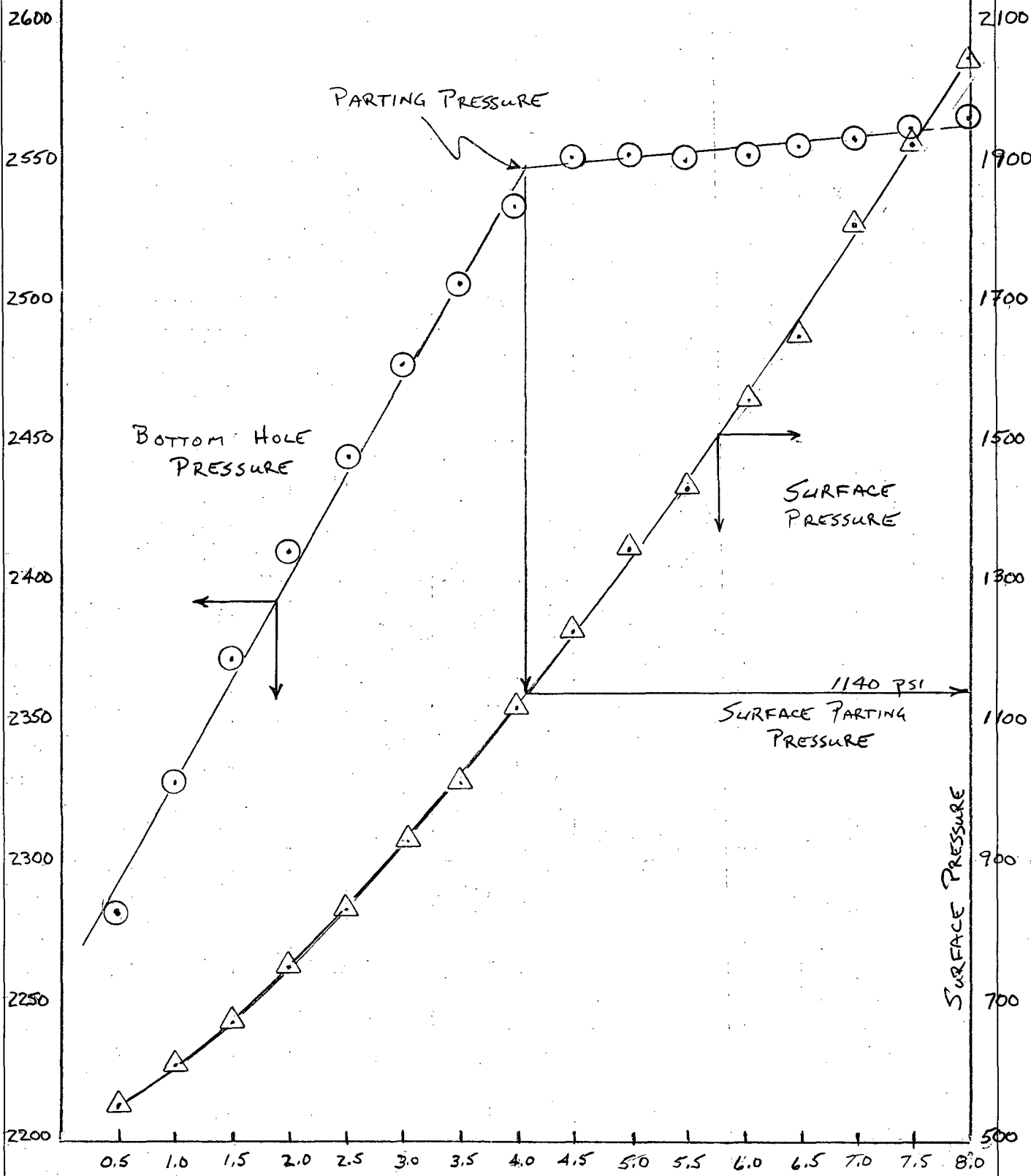
Step Rate Test Results

Injection Rate Bbl/Min.	Average Surface Pressure Psig	Average Bottom-Hole Pressure Psig
0.53	545	2281
1.03	605	2329
1.5	672	2373
2.03	750	2411
2.52	835	2445
30.7	931	2478
3.51	1018	2507
4.03	1127	2533
4.52	1230	2551
5.09	1343	2552
5.56	1435	2550
6.11	1564	2552
6.53	1672	2556
7.07	1813	2559
7.46	1926	2562
7.96	2077	2566

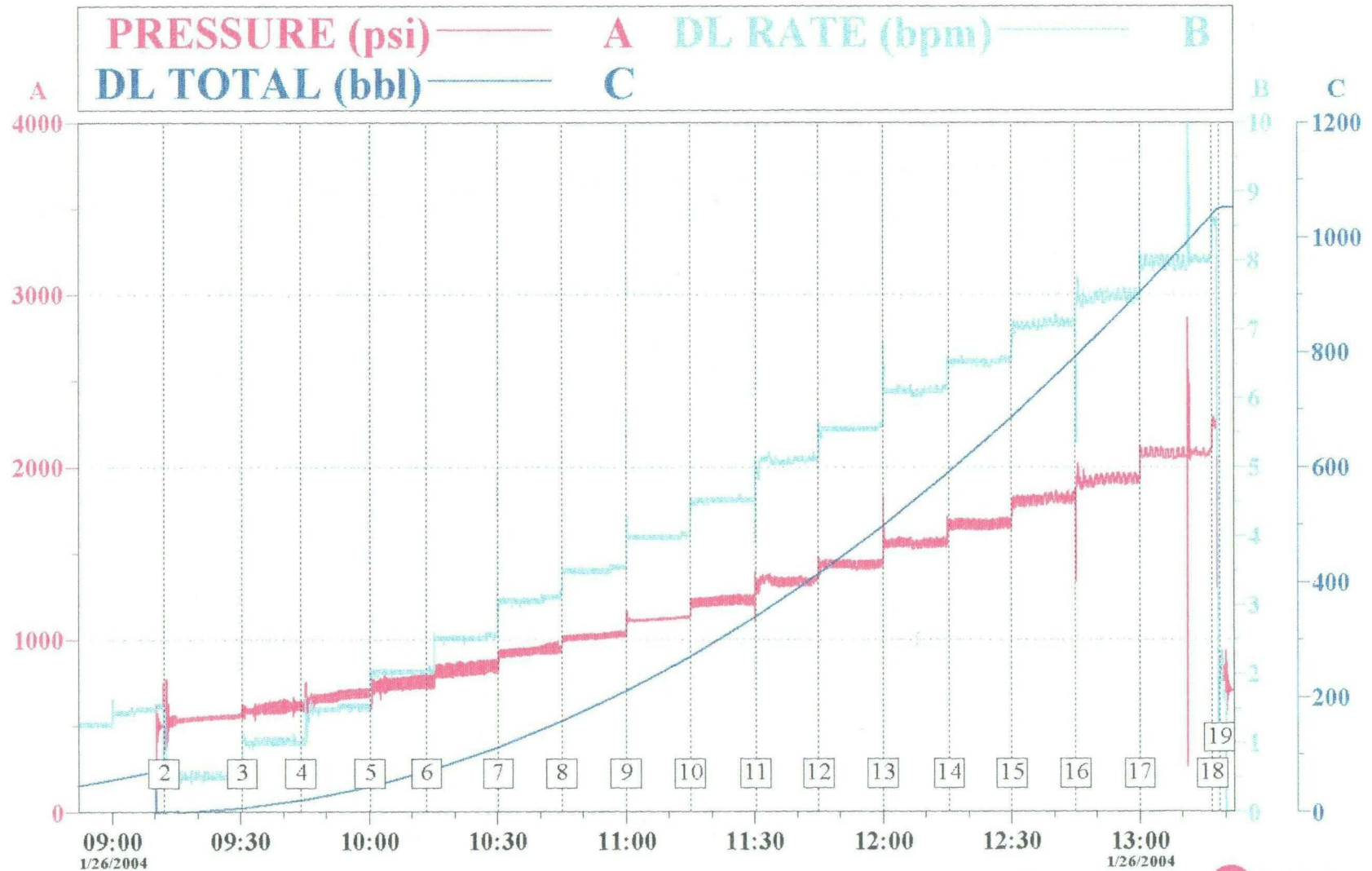
13-782 500 SHEETS, FILLER 5 SQUARE
 42-381 50 SHEETS, EYE-GLASS 5 SQUARE
 42-382 100 SHEETS, EYE-GLASS 5 SQUARE
 42-383 100 SHEETS, EYE-GLASS 5 SQUARE
 42-384 100 SHEETS, EYE-GLASS 5 SQUARE
 42-385 100 SHEETS, EYE-GLASS 5 SQUARE
 42-386 100 SHEETS, EYE-GLASS 5 SQUARE
 42-387 100 SHEETS, EYE-GLASS 5 SQUARE
 42-388 100 SHEETS, EYE-GLASS 5 SQUARE
 42-389 100 SHEETS, EYE-GLASS 5 SQUARE
 42-390 100 SHEETS, EYE-GLASS 5 SQUARE
 42-391 100 SHEETS, EYE-GLASS 5 SQUARE
 42-392 100 SHEETS, EYE-GLASS 5 SQUARE
 42-393 100 SHEETS, EYE-GLASS 5 SQUARE
 42-394 100 SHEETS, EYE-GLASS 5 SQUARE
 42-395 100 SHEETS, EYE-GLASS 5 SQUARE
 42-396 100 SHEETS, EYE-GLASS 5 SQUARE
 42-397 100 SHEETS, EYE-GLASS 5 SQUARE
 42-398 100 SHEETS, EYE-GLASS 5 SQUARE
 42-399 100 SHEETS, EYE-GLASS 5 SQUARE
 42-400 100 SHEETS, EYE-GLASS 5 SQUARE
 Made in U.S.A.



EXHIBIT #2 CALPINE SWD #1

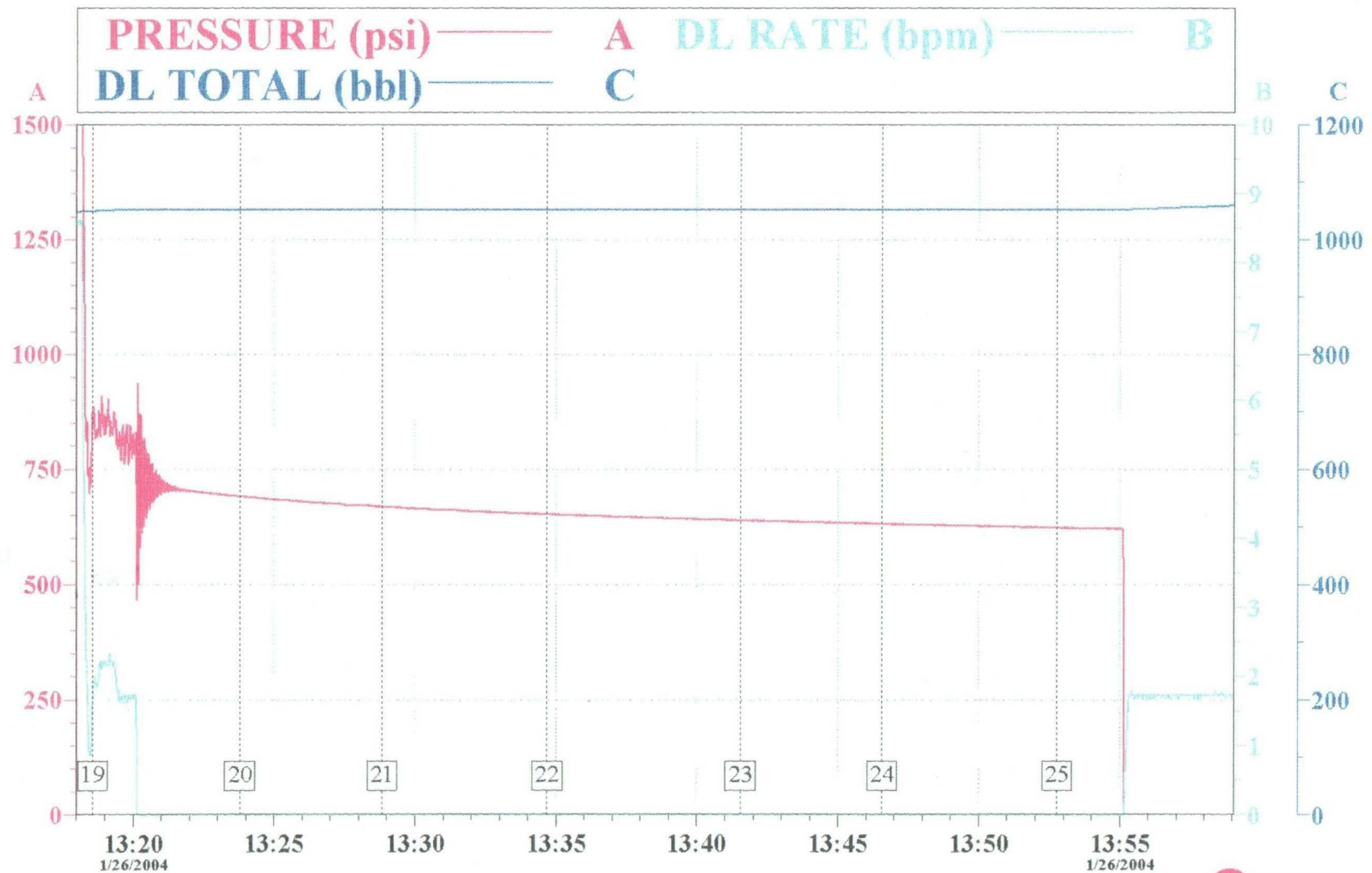


CALPINE SWD #1



Customer: CALPINE	Job Date: 01/26/04	Ticket #: 2883079"	HALLIBURTON StimWin v4.5.0 26-Jan-04 15:58
Well Description: SWD	LEASE CALPINE SWD #1	LEGAL	

CALPINE SHUT IN PRESSURE



Customer: CALPINE
Well Description: SWD

Job Date: 01/26/04
LEASE CALPINE SWD #1

Ticket #: 2883079
LEGAL

HALLIBURTON
StimWin v4.5.0
26-Jan-04 16:01



PRESSURE GAUGE DATA

Company: Calpine

Well Name: Calpine SWD #1

Date: January 26, 2004

Pressure Test Report

COMPANY INFORMATION

Company Name
Representative
Phone
Fax
Address

CALPINE
RUSS MCQUITTY

C/O WALSH ENG. & PROD.
7415 E. MAIN
FARMINGTON, NM 87401

E-Mail Address
Service Company

phoenixservices@zianet.com
PHOENIX SERVICES, LLC

WELL INFORMATION

Well Name
Well Location
Field and Pool
Status (Oil, Gas, Water, Injection)
Perforated Intervals
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations

CALPINE SWD 1
T30N, R13W, SEC. 33
POINT LOOKOUT
INJECTION
3830-3900

Kelly Bushing (KB)
Casing Flange (CF)
KB-CF
Ground Level

Plug Back Total Depth
Total Depth
Production Casing
Production Tubing

7986
4 1/2"
2 7/8" TO 3800

TEST INFORMATION

Type of Test
Date(s) of Test
Dead-weight Gauge Tubing Pressure
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom
Date / Time off Bottom

STEP RATE
1/26/04

1/26/04 @ 0852 HRS
1/26/04 @ 1401 HRS

Probe Serial Number
Probe Offset from End of Tool String
Run Depth at Probe Pressure Port

9496

3820

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure
Maximum Recorded Probe Temperature
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number

2568.8 psig
118.1 deg F



Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

PROBE INFORMATION

Probe Serial Number 9496
Model 9496
Pressure
 Calibrated Pressure Range 0-6000
 Accuracy
 Resolution
Temperature
 Calibrated Temperature Range
 Accuracy
 Resolution
Calibration File Used for Reports

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
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Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name



Company Name	CALPINE
Well Name	CALPINE SWD 1
Type of Test	STEP RATE
Date(s) of Test	1/26/04

COMMENTS

Reported By

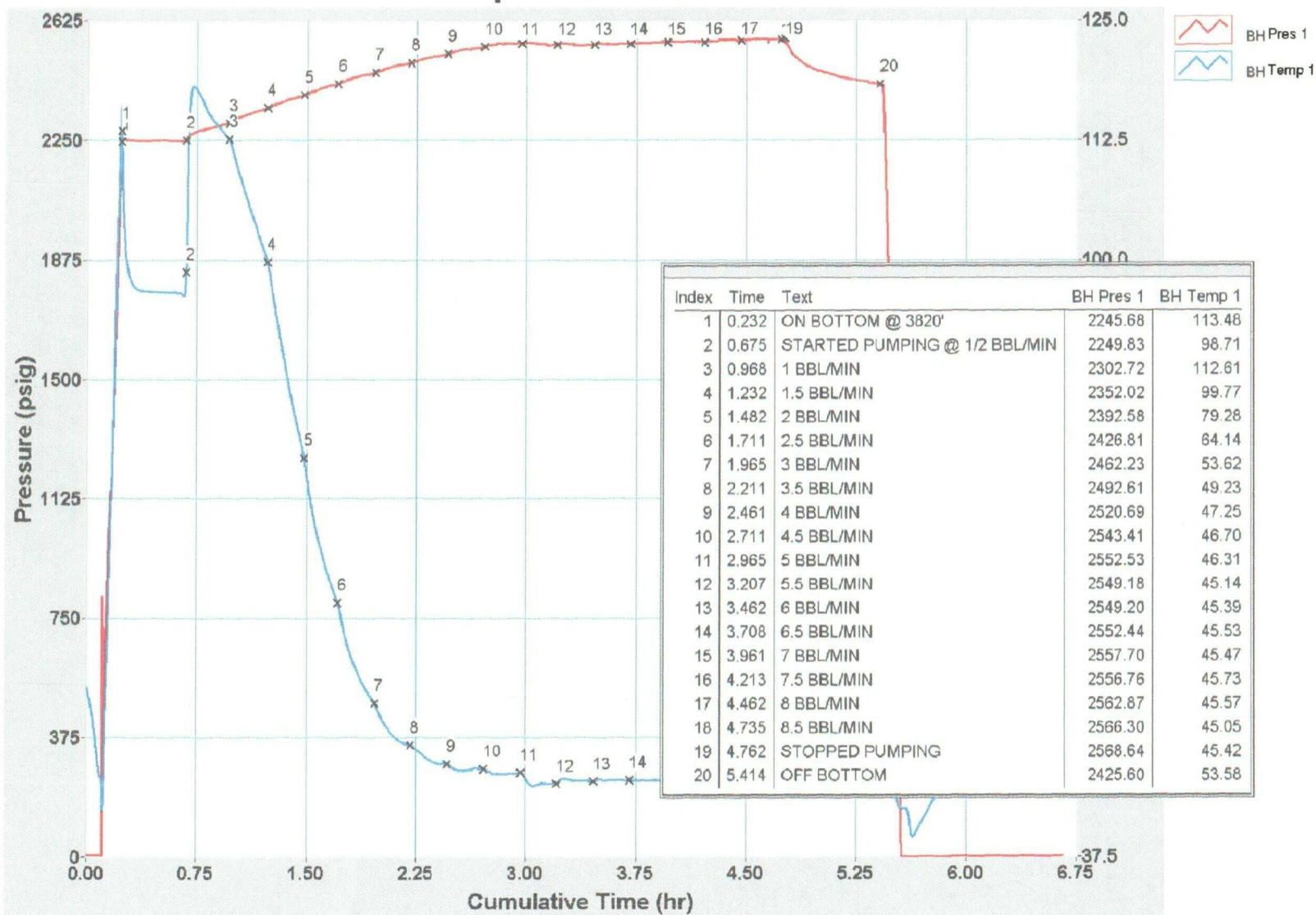
PHOENIX SERVICES, LLC

UNTHAWED WH-RU & PRESSURE TESTED PUMPING TEE & WH TO 3800 LBS.-RAN TANDEM BHP GAUGES TO 3820' FOR STEP RATE TEST-STEP RATE TEST RUN-SET ON BOTTOM 1 HR-POOH W/TANDEM BHP GAUGES.



Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

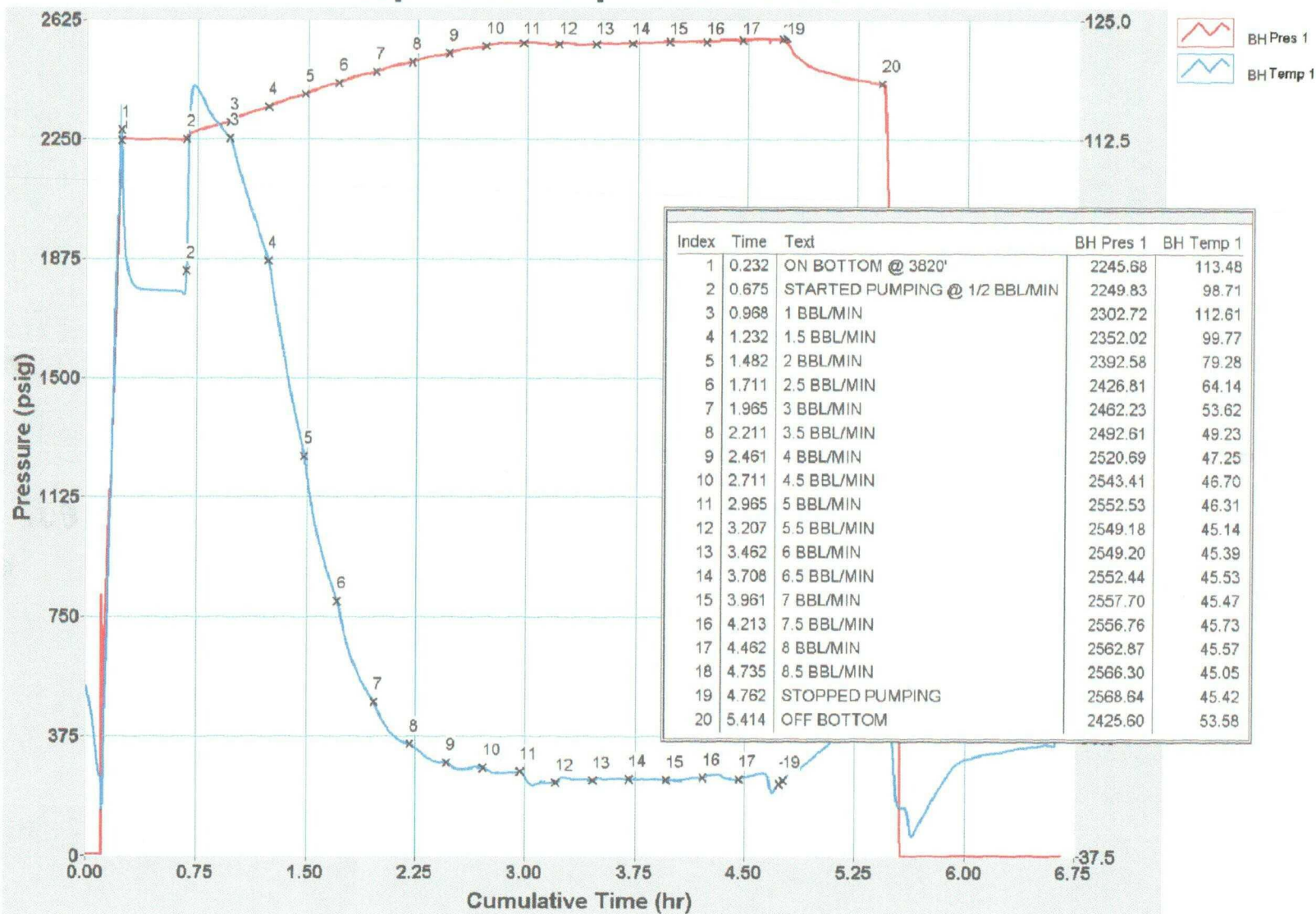
Calpine SWD #1





Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

Step Rate Calpine SWD #1





Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	08:38:05	0.0000	3.869	55.285
2004/01/26	08:39:35	0.0250	3.903	53.397
2004/01/26	08:41:05	0.0500	3.923	50.731
2004/01/26	08:42:35	0.0750	4.023	47.431
2004/01/26	08:44:05	0.1000	3.896	45.709
2004/01/26	08:45:35	0.1250	664.730	54.030
2004/01/26	08:47:05	0.1500	1050.894	67.896
2004/01/26	08:48:35	0.1750	1298.228	81.127
2004/01/26	08:50:05	0.2000	1727.203	99.565
2004/01/26	08:51:35	0.2250	2199.296	113.936
ON BOTTOM @ 3820'				
2004/01/26	08:52:00	0.2319	2245.681	113.475
2004/01/26	08:53:05	0.2500	2251.063	102.846
2004/01/26	08:54:35	0.2750	2250.522	99.000
2004/01/26	08:56:05	0.3000	2250.293	97.668
2004/01/26	08:57:35	0.3250	2250.213	97.117
2004/01/26	08:59:05	0.3500	2250.189	96.874
2004/01/26	09:00:35	0.3750	2250.189	96.750
2004/01/26	09:02:05	0.4000	2250.178	96.687
2004/01/26	09:03:35	0.4250	2250.183	96.669
2004/01/26	09:05:05	0.4500	2250.110	96.645
2004/01/26	09:06:35	0.4750	2250.116	96.625
2004/01/26	09:08:05	0.5000	2250.114	96.631
2004/01/26	09:09:35	0.5250	2250.091	96.625
2004/01/26	09:11:05	0.5500	2250.055	96.622
2004/01/26	09:12:35	0.5750	2250.054	96.624
2004/01/26	09:14:05	0.6000	2250.018	96.633
2004/01/26	09:15:35	0.6250	2249.983	96.534
2004/01/26	09:17:05	0.6500	2249.882	96.294
STARTED PUMPING @ 1/2 BBL/MIN				
2004/01/26	09:18:34	0.6747	2249.829	98.706
2004/01/26	09:18:35	0.6750	2250.640	98.874
2004/01/26	09:20:05	0.7000	2265.824	115.984
2004/01/26	09:21:35	0.7250	2272.759	118.108
2004/01/26	09:23:05	0.7500	2277.259	117.709
2004/01/26	09:24:35	0.7750	2281.249	117.046
2004/01/26	09:26:05	0.8000	2284.719	116.208
2004/01/26	09:27:35	0.8250	2288.044	115.374
2004/01/26	09:29:05	0.8500	2290.944	114.787
2004/01/26	09:30:35	0.8750	2293.626	114.287
2004/01/26	09:32:05	0.9000	2296.254	113.824
2004/01/26	09:33:35	0.9250	2298.627	113.365
2004/01/26	09:35:05	0.9500	2301.015	112.921
1 BBL/MIN 2281				
2004/01/26	09:36:11	0.9683	2302.725	112.606
2004/01/26	09:36:35	0.9750	2307.469	112.428
2004/01/26	09:38:05	1.0000	2315.574	111.038
2004/01/26	09:39:35	1.0250	2320.643	109.605
2004/01/26	09:41:05	1.0500	2325.237	108.331
2004/01/26	09:42:35	1.0750	2329.558	107.139

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	09:44:05	1.1000	2333.028	105.928
2004/01/26	09:45:35	1.1250	2336.223	104.720
2004/01/26	09:47:05	1.1500	2339.597	103.539
2004/01/26	09:48:35	1.1750	2342.731	102.416
2004/01/26	09:50:05	1.2000	2345.377	101.347
2004/01/26	09:51:35	1.2250	2349.704	100.207
1.5 BBL/MIN 2329				
2004/01/26	09:52:00	1.2319	2352.016	99.774
2004/01/26	09:53:05	1.2500	2356.491	98.218
2004/01/26	09:54:35	1.2750	2362.091	95.837
2004/01/26	09:56:05	1.3000	2366.441	93.519
2004/01/26	09:57:35	1.3250	2369.617	91.283
2004/01/26	09:59:05	1.3500	2373.417	89.141
2004/01/26	10:00:35	1.3750	2378.297	87.080
2004/01/26	10:02:05	1.4000	2381.542	85.167
2004/01/26	10:03:35	1.4250	2384.357	83.381
2004/01/26	10:05:05	1.4500	2386.876	81.687
2004/01/26	10:06:35	1.4750	2390.965	80.004
2 BBL/MIN 2373				
2004/01/26	10:07:00	1.4819	2392.580	79.282
2004/01/26	10:08:05	1.5000	2396.938	77.340
2004/01/26	10:09:35	1.5250	2402.749	74.926
2004/01/26	10:11:05	1.5500	2405.969	72.756
2004/01/26	10:12:35	1.5750	2409.825	70.975
2004/01/26	10:14:05	1.6000	2412.969	69.471
2004/01/26	10:15:35	1.6250	2416.892	68.131
2004/01/26	10:17:05	1.6500	2419.643	66.888
2004/01/26	10:18:35	1.6750	2422.760	65.757
2004/01/26	10:20:05	1.7000	2425.836	64.641
2.5 BBL/MIN 2411				
2004/01/26	10:20:44	1.7108	2426.813	64.143
2004/01/26	10:21:35	1.7250	2431.538	63.361
2004/01/26	10:23:05	1.7500	2436.097	61.441
2004/01/26	10:24:35	1.7750	2440.594	59.866
2004/01/26	10:26:05	1.8000	2443.796	58.608
2004/01/26	10:27:35	1.8250	2447.111	57.553
2004/01/26	10:29:05	1.8500	2449.572	56.700
2004/01/26	10:30:35	1.8750	2451.969	55.940
2004/01/26	10:32:05	1.9000	2454.657	55.200
2004/01/26	10:33:35	1.9250	2457.614	54.540
2004/01/26	10:35:05	1.9500	2459.789	53.940
3 BBL/MIN 2445				
2004/01/26	10:36:00	1.9653	2462.231	53.618
2004/01/26	10:36:35	1.9750	2465.216	53.323
2004/01/26	10:38:05	2.0000	2470.046	52.365
2004/01/26	10:39:35	2.0250	2473.240	51.600
2004/01/26	10:41:05	2.0500	2476.368	50.990
2004/01/26	10:42:35	2.0750	2479.294	50.500
2004/01/26	10:44:05	2.1000	2481.974	50.085
2004/01/26	10:45:35	2.1250	2484.795	49.770



Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	10:47:05	2.1500	2486.827	49.548
2004/01/26	10:48:35	2.1750	2489.424	49.390
2004/01/26	10:50:05	2.2000	2491.984	49.275
3.5 BBL/MIN			2478	
2004/01/26	10:50:44	2.2108	2492.613	49.231
2004/01/26	10:51:35	2.2250	2496.396	49.122
2004/01/26	10:53:05	2.2500	2499.844	48.740
2004/01/26	10:54:35	2.2750	2502.812	48.430
2004/01/26	10:56:05	2.3000	2505.535	48.105
2004/01/26	10:57:35	2.3250	2508.083	47.835
2004/01/26	10:59:05	2.3500	2510.539	47.629
2004/01/26	11:00:35	2.3750	2512.995	47.469
2004/01/26	11:02:05	2.4000	2515.323	47.365
2004/01/26	11:03:35	2.4250	2517.762	47.293
2004/01/26	11:05:05	2.4500	2519.715	47.262
4 BBL/MIN			2507	
2004/01/26	11:05:45	2.4611	2520.694	47.251
2004/01/26	11:06:35	2.4750	2523.434	47.138
2004/01/26	11:08:05	2.5000	2526.964	46.794
2004/01/26	11:09:35	2.5250	2529.634	46.616
2004/01/26	11:11:05	2.5500	2531.942	46.557
2004/01/26	11:12:35	2.5750	2534.093	46.546
2004/01/26	11:14:05	2.6000	2536.313	46.625
2004/01/26	11:15:35	2.6250	2537.761	46.729
2004/01/26	11:17:05	2.6500	2539.584	46.785
2004/01/26	11:18:35	2.6750	2541.433	46.764
2004/01/26	11:20:05	2.7000	2542.860	46.720
4.5 BBL/MIN			2533	
2004/01/26	11:20:43	2.7106	2543.413	46.699
2004/01/26	11:21:35	2.7250	2545.800	46.623
2004/01/26	11:23:05	2.7500	2548.169	46.429
2004/01/26	11:24:35	2.7750	2550.142	46.272
2004/01/26	11:26:05	2.8000	2551.884	46.220
2004/01/26	11:27:35	2.8250	2552.671	46.227
2004/01/26	11:29:05	2.8500	2553.359	46.247
2004/01/26	11:30:35	2.8750	2553.994	46.247
2004/01/26	11:32:05	2.9000	2554.135	46.240
2004/01/26	11:33:35	2.9250	2553.883	46.228
2004/01/26	11:35:05	2.9500	2553.951	46.294
5 BBL/MIN			2551	
2004/01/26	11:35:58	2.9647	2552.528	46.314
2004/01/26	11:36:35	2.9750	2554.157	46.305
2004/01/26	11:38:05	3.0000	2555.295	45.680
2004/01/26	11:39:35	3.0250	2554.549	45.180
2004/01/26	11:41:05	3.0500	2553.943	44.958
2004/01/26	11:42:35	3.0750	2553.124	45.070
2004/01/26	11:44:05	3.1000	2552.240	45.190
2004/01/26	11:45:35	3.1250	2551.527	45.194
2004/01/26	11:47:05	3.1500	2550.351	45.172
2004/01/26	11:48:35	3.1750	2549.647	45.145

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	11:50:05	3.2000	2549.268	45.153
5.5 BBL/MIN			2552	
2004/01/26	11:50:31	3.2072	2549.184	45.144
2004/01/26	11:51:35	3.2250	2551.023	45.288
2004/01/26	11:53:05	3.2500	2551.472	45.725
2004/01/26	11:54:35	3.2750	2551.656	45.700
2004/01/26	11:56:05	3.3000	2551.231	45.608
2004/01/26	11:57:35	3.3250	2550.854	45.538
2004/01/26	11:59:05	3.3500	2550.504	45.453
2004/01/26	12:00:35	3.3750	2550.043	45.477
2004/01/26	12:02:05	3.4000	2549.860	45.484
2004/01/26	12:03:35	3.4250	2549.513	45.441
2004/01/26	12:05:05	3.4500	2549.301	45.406
6 BBL/MIN //			2550	
2004/01/26	12:05:48	3.4619	2549.198	45.390
2004/01/26	12:06:35	3.4750	2551.159	45.415
2004/01/26	12:08:05	3.5000	2552.544	45.630
2004/01/26	12:09:35	3.5250	2553.280	45.585
2004/01/26	12:11:05	3.5500	2553.425	45.540
2004/01/26	12:12:35	3.5750	2553.258	45.561
2004/01/26	12:14:05	3.6000	2553.009	45.558
2004/01/26	12:15:35	3.6250	2552.686	45.547
2004/01/26	12:17:05	3.6500	2553.095	45.534
2004/01/26	12:18:35	3.6750	2552.934	45.529
2004/01/26	12:20:05	3.7000	2552.745	45.531
6.5 BBL/MIN //			2552	
2004/01/26	12:20:35	3.7083	2552.443	45.532
2004/01/26	12:21:35	3.7250	2554.063	45.518
2004/01/26	12:23:05	3.7500	2555.025	45.585
2004/01/26	12:24:35	3.7750	2555.945	45.559
2004/01/26	12:26:05	3.8000	2556.558	45.540
2004/01/26	12:27:35	3.8250	2556.969	45.500
2004/01/26	12:29:05	3.8500	2557.371	45.505
2004/01/26	12:30:35	3.8750	2557.654	45.509
2004/01/26	12:32:05	3.9000	2557.881	45.525
2004/01/26	12:33:35	3.9250	2558.134	45.532
2004/01/26	12:35:05	3.9500	2557.851	45.489
7 BBL/MIN //			2556	
2004/01/26	12:35:46	3.9614	2557.696	45.473
2004/01/26	12:36:35	3.9750	2559.240	45.444
2004/01/26	12:38:05	4.0000	2559.730	45.466
2004/01/26	12:39:35	4.0250	2560.277	45.432
2004/01/26	12:41:05	4.0500	2560.038	45.405
2004/01/26	12:42:35	4.0750	2559.469	45.460
2004/01/26	12:44:05	4.1000	2558.817	45.516
2004/01/26	12:45:35	4.1250	2558.670	45.599
2004/01/26	12:47:05	4.1500	2558.646	45.720
2004/01/26	12:48:35	4.1750	2557.888	45.736
2004/01/26	12:50:05	4.2000	2557.908	45.736
7.5 BBL/MIN //			2559	



Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	12:50:53	4.2133	2556.758	45.734
2004/01/26	12:51:35	4.2250	2560.003	45.813
2004/01/26	12:53:05	4.2500	2560.917	45.968
2004/01/26	12:54:35	4.2750	2561.170	45.990
2004/01/26	12:56:05	4.3000	2561.826	46.013
2004/01/26	12:57:35	4.3250	2563.159	46.008
2004/01/26	12:59:05	4.3500	2564.265	45.765
2004/01/26	13:00:35	4.3750	2564.245	45.630
2004/01/26	13:02:05	4.4000	2564.179	45.601
2004/01/26	13:03:35	4.4250	2563.330	45.577
2004/01/26	13:05:05	4.4500	2562.877	45.586
8 BBL/MIN			2562	
2004/01/26	13:05:48	4.4619	2562.868	45.568
2004/01/26	13:06:35	4.4750	2563.714	45.630
2004/01/26	13:08:05	4.5000	2565.320	45.765
2004/01/26	13:09:35	4.5250	2565.839	45.833
2004/01/26	13:11:05	4.5500	2566.228	45.867
2004/01/26	13:12:35	4.5750	2565.701	46.051
2004/01/26	13:14:05	4.6000	2566.198	46.186
2004/01/26	13:15:35	4.6250	2566.845	46.240
2004/01/26	13:17:05	4.6500	2565.038	46.049
2004/01/26	13:18:35	4.6750	2565.950	44.402
2004/01/26	13:20:05	4.7000	2566.504	44.224
2004/01/26	13:21:35	4.7250	2566.307	44.915
8.5 BBL/MIN			2566	
2004/01/26	13:22:12	4.7353	2566.297	45.054
2004/01/26	13:23:05	4.7500	2568.329	45.264
STOPPED PUMPING			2567	
2004/01/26	13:23:49	4.7622	2568.643	45.424
2004/01/26	13:24:35	4.7750	2545.814	45.554
2004/01/26	13:26:05	4.8000	2527.294	46.083
2004/01/26	13:27:35	4.8250	2512.711	46.263
2004/01/26	13:29:05	4.8500	2502.295	46.472
2004/01/26	13:30:35	4.8750	2493.863	46.713
2004/01/26	13:32:05	4.9000	2486.714	46.987
2004/01/26	13:33:35	4.9250	2480.674	47.313
2004/01/26	13:35:05	4.9500	2475.248	47.628
2004/01/26	13:36:35	4.9750	2470.580	47.941
2004/01/26	13:38:05	5.0000	2466.303	48.263
2004/01/26	13:39:35	5.0250	2462.453	48.614
2004/01/26	13:41:05	5.0500	2459.027	48.961
2004/01/26	13:42:35	5.0750	2455.813	49.309
2004/01/26	13:44:05	5.1000	2452.788	49.647
2004/01/26	13:45:35	5.1250	2450.006	49.986
2004/01/26	13:47:05	5.1500	2447.306	50.320
2004/01/26	13:48:35	5.1750	2444.760	50.657
2004/01/26	13:50:05	5.2000	2442.415	50.983
2004/01/26	13:51:35	5.2250	2440.122	51.309
2004/01/26	13:53:05	5.2500	2437.875	51.640
2004/01/26	13:54:35	5.2750	2435.832	51.969

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	13:56:05	5.3000	2433.855	52.284
2004/01/26	13:57:35	5.3250	2431.960	52.606
2004/01/26	13:59:05	5.3500	2430.043	52.934
2004/01/26	14:00:35	5.3750	2428.287	53.240
2004/01/26	14:02:05	5.4000	2426.542	53.506
OFF BOTTOM				
2004/01/26	14:02:54	5.4136	2425.602	53.580
2004/01/26	14:03:35	5.4250	2424.830	53.625
2004/01/26	14:05:05	5.4500	2221.222	60.220
2004/01/26	14:06:35	5.4750	1714.750	56.367
2004/01/26	14:08:05	5.5000	1171.798	51.109
2004/01/26	14:09:35	5.5250	740.796	44.292
2004/01/26	14:11:05	5.5500	708.229	42.712
2004/01/26	14:12:35	5.5750	0.669	42.584
2004/01/26	14:14:05	5.6000	0.707	42.462
2004/01/26	14:15:35	5.6250	0.344	39.965
2004/01/26	14:17:05	5.6500	0.575	39.868
2004/01/26	14:18:35	5.6750	0.648	40.521
2004/01/26	14:20:05	5.7000	0.640	41.311
2004/01/26	14:21:35	5.7250	0.760	41.963
2004/01/26	14:23:05	5.7500	0.860	42.710
2004/01/26	14:24:35	5.7750	0.915	43.430
2004/01/26	14:26:05	5.8000	0.948	44.105
2004/01/26	14:27:35	5.8250	1.007	44.730
2004/01/26	14:29:05	5.8500	1.079	45.226
2004/01/26	14:30:35	5.8750	1.109	45.813
2004/01/26	14:32:05	5.9000	1.204	46.409
2004/01/26	14:33:35	5.9250	1.149	46.888
2004/01/26	14:35:05	5.9500	1.186	47.194
2004/01/26	14:36:35	5.9750	1.217	47.503
2004/01/26	14:38:05	6.0000	1.299	47.647
2004/01/26	14:39:35	6.0250	1.306	47.773
2004/01/26	14:41:05	6.0500	1.366	47.869
2004/01/26	14:42:35	6.0750	1.351	47.952
2004/01/26	14:44:05	6.1000	1.289	48.036
2004/01/26	14:45:35	6.1250	1.279	48.115
2004/01/26	14:47:05	6.1500	1.318	48.189
2004/01/26	14:48:35	6.1750	1.209	48.261
2004/01/26	14:50:05	6.2000	1.214	48.301
2004/01/26	14:51:35	6.2250	1.193	48.373
2004/01/26	14:53:05	6.2500	1.285	48.454
2004/01/26	14:54:35	6.2750	1.271	48.528
2004/01/26	14:56:05	6.3000	1.306	48.621
2004/01/26	14:57:35	6.3250	1.257	48.679
2004/01/26	14:59:05	6.3500	1.278	48.749
2004/01/26	15:00:35	6.3750	1.394	48.816
2004/01/26	15:02:05	6.4000	1.299	48.866
2004/01/26	15:03:35	6.4250	1.380	48.952
2004/01/26	15:05:05	6.4500	1.310	49.023
2004/01/26	15:06:35	6.4750	1.314	49.077



Company Name CALPINE
Well Name CALPINE SWD 1
Type of Test STEP RATE
Date(s) of Test 1/26/04

Date	Time	Cum. Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2004/01/26	15:08:05	6.5000	1.328	49.120
2004/01/26	15:09:35	6.5250	1.357	49.163
2004/01/26	15:11:05	6.5500	1.377	49.194
2004/01/26	15:12:35	6.5750	1.362	49.174
2004/01/26	15:14:05	6.6000	1.331	49.093
2004/01/26	15:15:35	6.6250	1.536	49.870
2004/01/26	15:17:05	6.6500	1.496	50.502