

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			



**POGO PRODUCING COMPANY**

May 21, 2004

New Mexico Oil Conservation Division  
Attn: Mr. David Catanach  
1220 South St. Francis Drive  
Santa Fe, NM 87505

236  
30-DIS-29330  
800-708

**RECEIVED**

MAY 25 2004

**OIL CONSERVATION  
DIVISION**

RE: Lost Tank 33 Federal #2 SWD  
Step-Rate Test

Gentlemen:

Pogo Producing Company respectfully requests an increase in the maximum allowable surface injection pressure from the current 900 PSI to 1850 PSI.

This is based on a step-rate test performed on May 6, 2004 by Arch Pressure Data. A copy of the test results is attached.

If you have any questions, please contact me at (432)685-8100.

Thank you,

POGO PRODUCING COMPANY

Barrett L. Smith  
Division Operations Engineer

Attachment



## OPERATIONS LOG

COMPANY: POGO PRODUCING CO.  
LEASE: LOST TANK 33 FED # 2SWD  
FIELD (FORMATION): LOST TANK DELAWARE (BELL & CHERRY)  
COUNTY: EDDY  
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: BARRETT SMITH  
FIELD REP: TOM BUTTERS  
JOB RUN BY: JOE PEREZ  
DATA PREPARED BY: CINDY CLARK  
INSTRUMENT: CT 1009

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 65321
------	------	-----	------------------------------------

5/6/04 10:15:00 AM			STARTED GAUGE CT 1009 FOR STEP RATE TEST
5/6/04 10:41:00 AM	212		IN LUBRICATOR WITH GAUGES
5/6/04 11:03:04 AM			ON BOTTOM WITH GAUGES
5/6/04 11:39:19 AM	456		START 1ST RATE @ 1440 BPD
5/6/04 11:53:19 AM	530		START 2ND RATE @ 1440 BPD
5/6/04 12:08:34 PM	560		START 3RD RATE @ 2340 BPD
5/6/04 12:23:34 PM	683		START 4TH RATE @ 2880 BPD
5/6/04 12:37:34 PM	837		START 5TH RATE @ 3600 BPD
5/6/04 12:53:19 PM	1040		START 6TH RATE @ 4320 BPD
5/6/04 01:08:19 PM	1285		START 7TH RATE @ 5040 BPD
5/6/04 01:23:49 PM	1583		START 8TH RATE @ 5760 BPD
5/6/04 01:38:34 PM	1876		START 9TH RATE @ 6480 BPD
5/6/04 01:52:34 PM	2112		START 10TH RATE @ 7200 BPD
5/6/04 02:08:34 PM	2048		START 11TH RATE @ 7488 BPD
5/6/04 02:23:04 PM			END OF 11TH RATE



COMPANY: POGO PRODUCING CO.  
LEASE: LOST TANK 33 FED # 2SWD  
FIELD (FORMATION): LOST TANK DELAWARE (BELL & CHERRY)  
COUNTY: EDDY  
STATE: NM

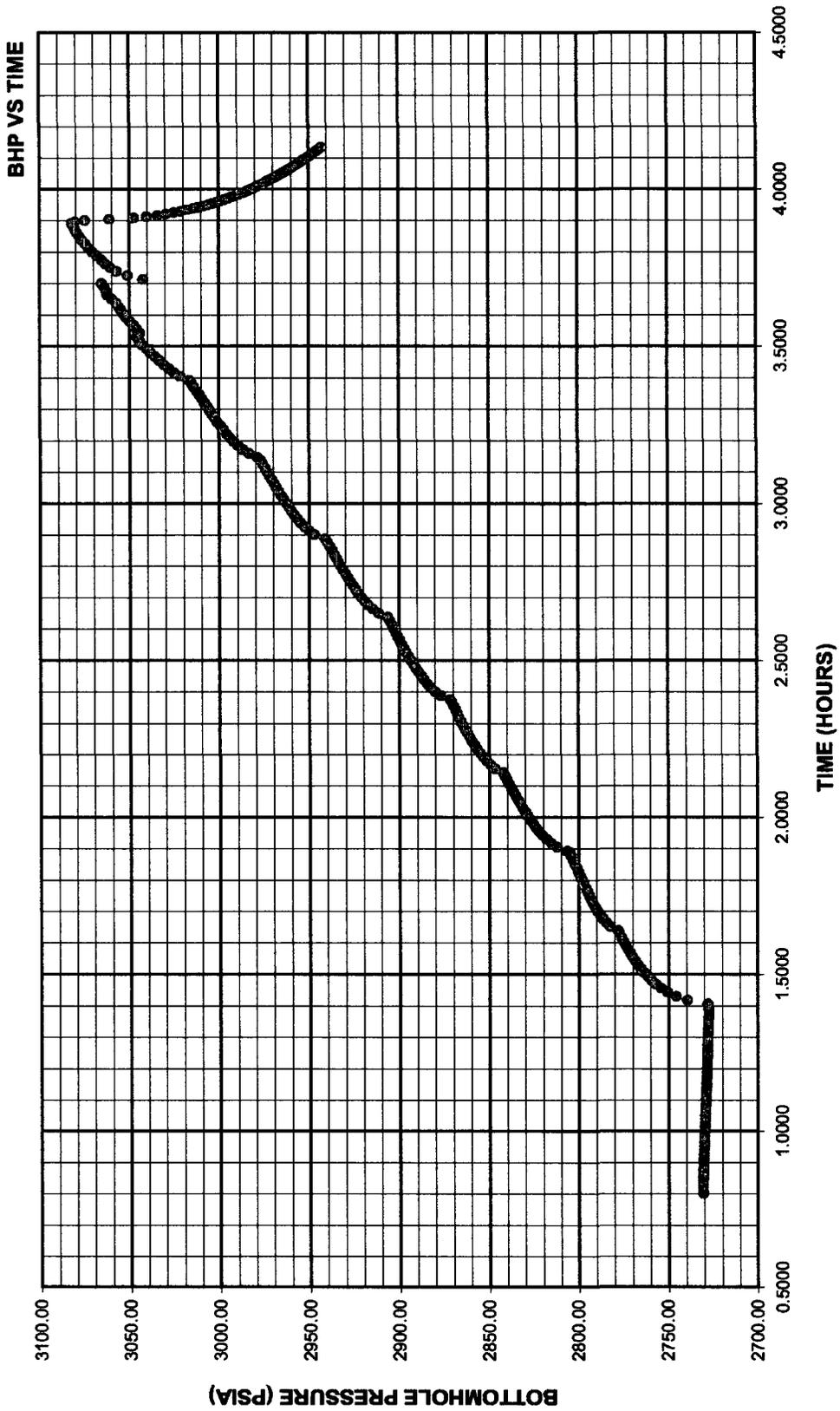
TEST DATES: 5/6/04 - 5/6/04  
RUN DEPTH: 4670  
INSTRUMENT: CT 1009

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 65321
-----------	-------------------	---------------------------	-------------------------	---------------------	-------------------

05/6/04 11:53:19 AM	1.6386	2778.01	456.00	1440.00	
05/6/04 12:08:34 PM	1.8928	2806.34	530.00	1440.00	
05/6/04 12:23:34 PM	2.1428	2842.08	560.00	2340.00	
05/6/04 12:37:34 PM	2.3761	2871.42	683.00	2880.00	
05/6/04 12:53:19 PM	2.6386	2906.36	837.00	3600.00	
05/6/04 01:08:19 PM	2.8886	2941.26	1040.00	4320.00	
05/6/04 01:23:49 PM	3.1469	2978.94	1285.00	5040.00	
05/6/04 01:38:34 PM	3.3928	3016.58	1583.00	5760.00	
05/6/04 01:52:34 PM	3.6261	3055.93	1876.00	6480.00	
05/6/04 02:08:34 PM	3.8928	3081.97	2112.00	7200.00	
05/6/04 02:23:04 PM	4.1344	2942.95	2048.00	7488.00	

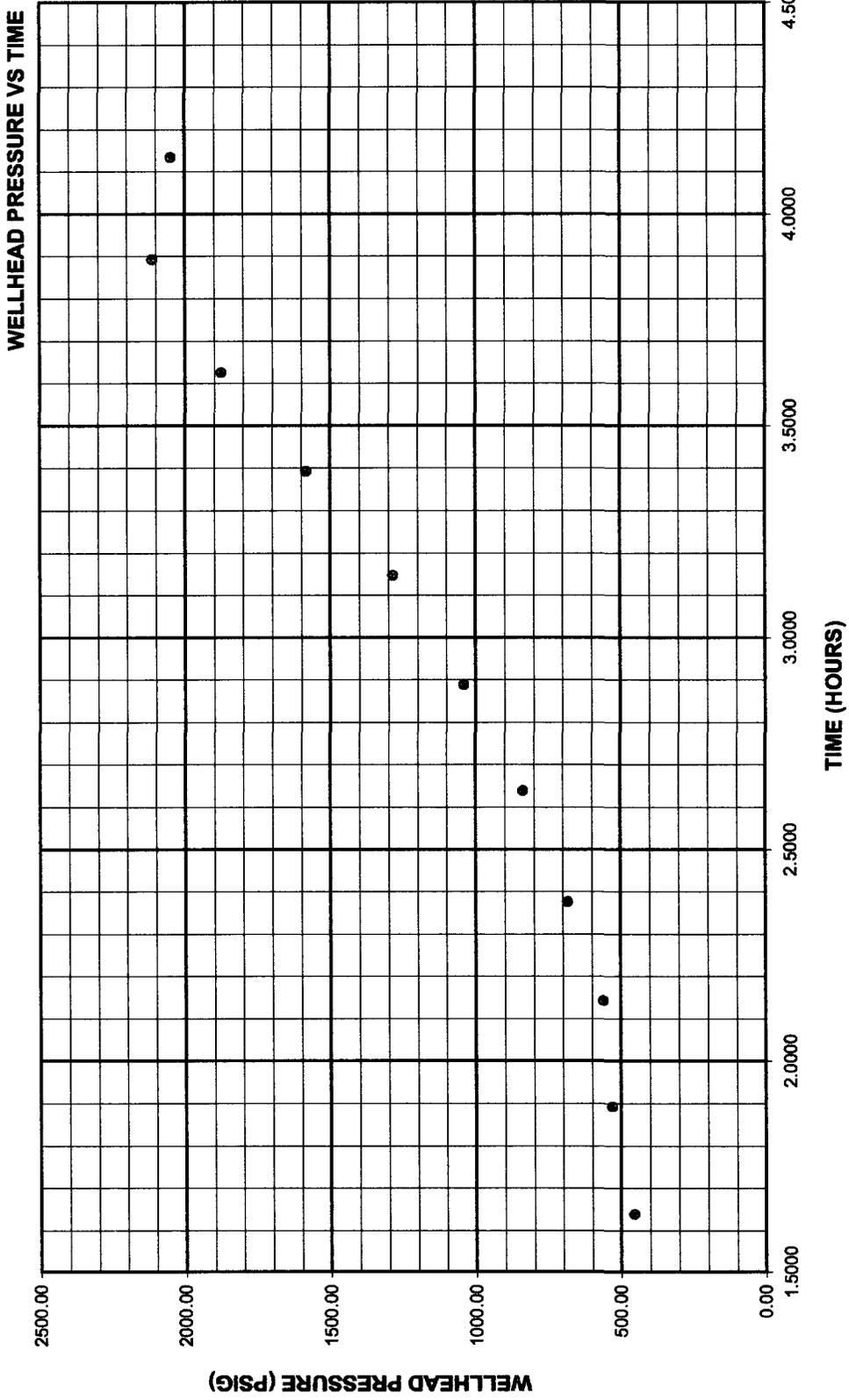


COMPANY: POGO PRODUCING CO.      FIELD: LOST TANK DELAWARE      JOB # 65321      TEST DATE: 5/6/04  
LEASE: LOST TANK 33 FED      COUNTY: EDDY      TEST DATE: 5/6/04  
WELL NUMBER: 2SWD      STATE: NM



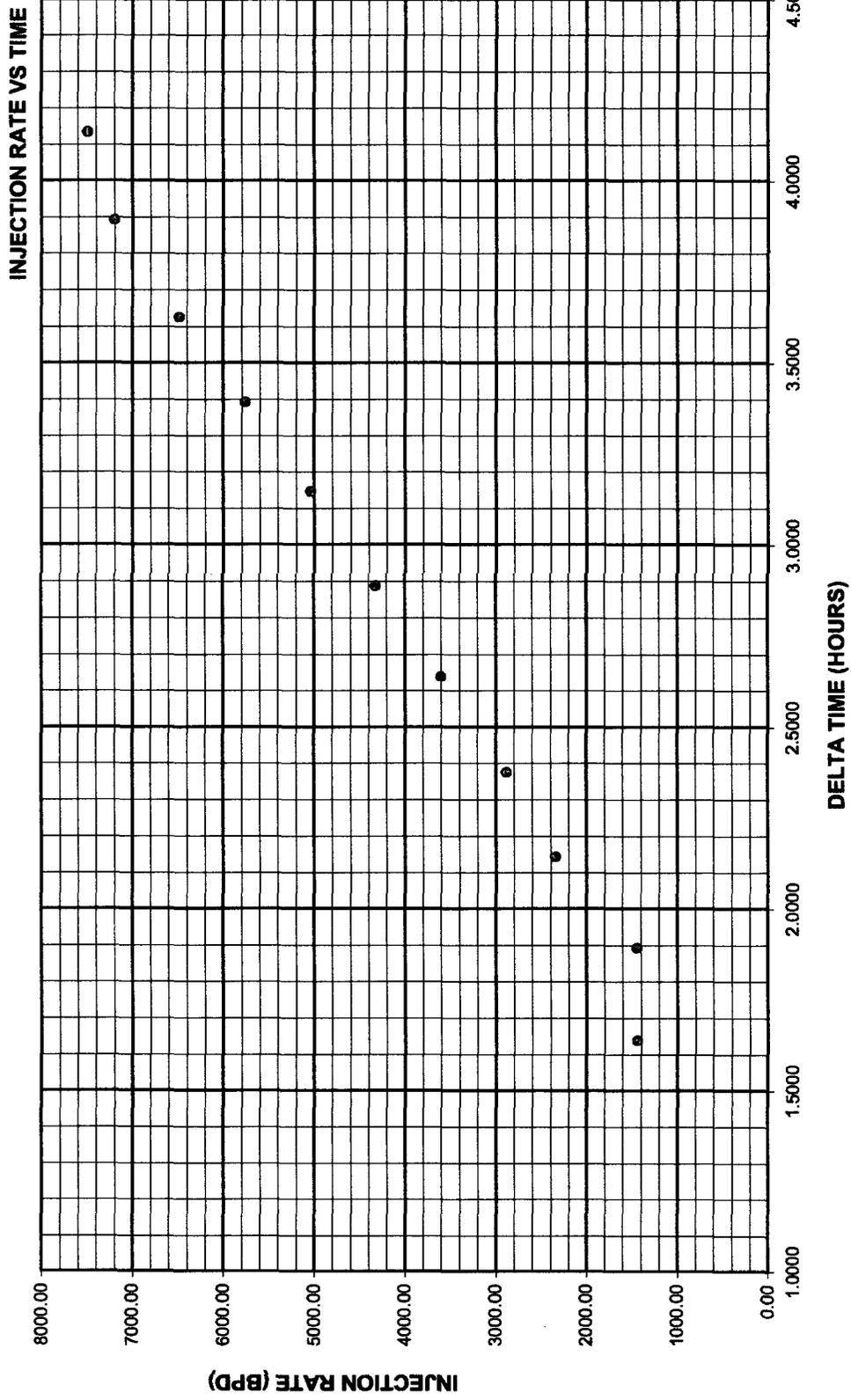


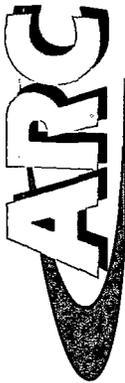
COMPANY: POGO PRODUCING CO.      FIELD: LOST TANK DELAWARE      JOB # 65321      TEST DATE: 5/6/04  
LEASE: LOST TANK 33 FED      COUNTY: EDDY      TEST DATE: 5/6/04  
WELL NUMBER: 2SWD      STATE: NM





COMPANY: POGO PRODUCING CO.      FIELD: LOST TANK DELAWARE      JOB # 65321      TEST DATE: 5/6/04  
LEASE: LOST TANK 33 FED      COUNTY: EDDY      TEST DATE: 5/6/04  
WELL NUMBER: 2SWD      STATE: NM

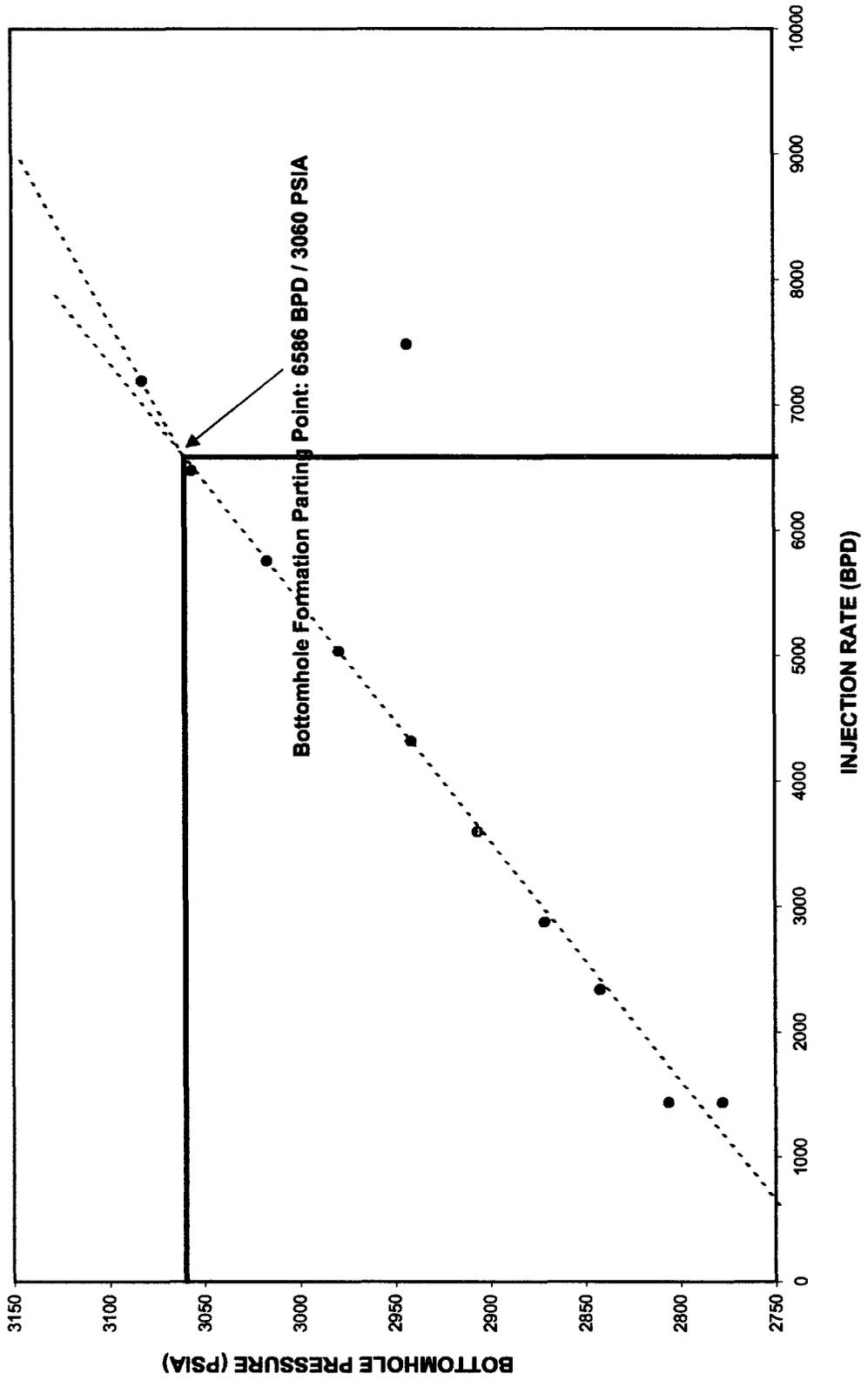




COMPANY: POGO PRODUCING CO.      JOB # 65321  
LEASE: LOST TANK 33 FED      TEST DATE: 05/06/04  
WELL NUMBER: 2SWD      STATE: NM      05/06/04

FIELD: LOST TANK DELAWARE  
COUNTY: EDDY  
STATE: NM

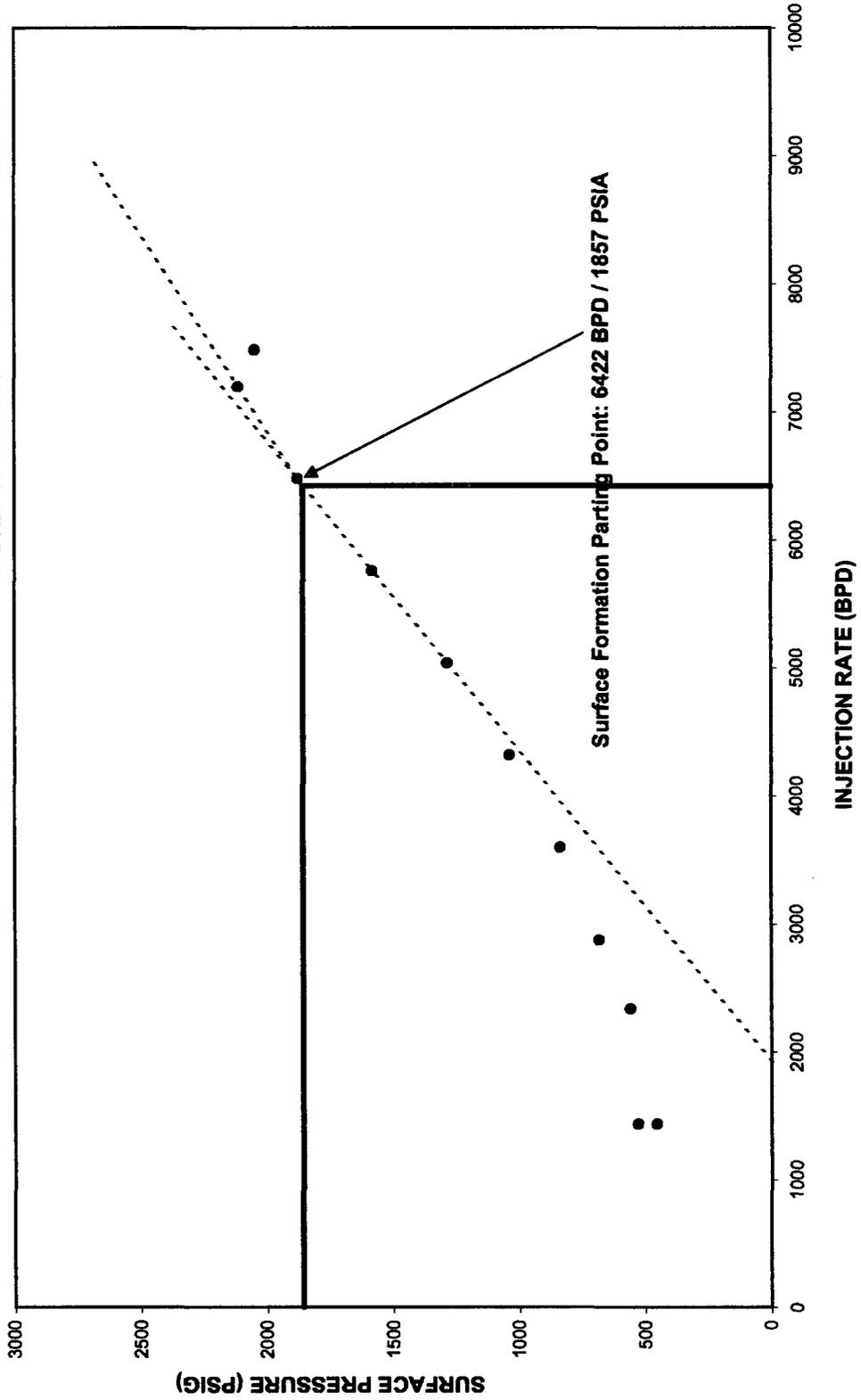
STEP-RATE TEST - BHP VS. INJECTION RATE





COMPANY: POGO PRODUCING CO.      JOB #: 65321      TEST DATE: 05/06/04      05/06/04  
LEASE: LOST TANK 33 FED      FIELD: LOST TANK DELAWARE      COUNTY: EDDY      STATE: NM  
WELL NUMBER: 2SWD

STEP-RATE TEST - WHP VS. INJECTION RATE





COMPANY: POGO PRODUCING CO.  
 LEASE: LOST TANK 33 FED # 2SWD  
 FIELD (FORMATION): LOST TANK DELAWARE (BELL & CHERRY)  
 COUNTY: EDDY  
 STATE: NM

TEST DATES: 5/6/04 - 5/6/04  
 RUN DEPTH: 4670  
 INSTRUMENT: CT 1009

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 65321
-----------	-------------------	---------------------------	-----------------------------

5/6/04 10:15:00 AM			STARTED GAUGE CT 1009 FOR STEP RATE TEST
5/6/04 10:41:00 AM			IN LUBRICATOR WITH GAUGES
5/6/04 11:03:04 AM			ON BOTTOM WITH GAUGES
5/6/04 11:03:04 AM	0.8011	2730.50	
5/6/04 11:03:49 AM	0.8136	2730.67	
5/6/04 11:04:34 AM	0.8261	2730.71	
5/6/04 11:05:19 AM	0.8386	2730.65	
5/6/04 11:06:04 AM	0.8511	2730.59	
5/6/04 11:06:49 AM	0.8636	2730.52	
5/6/04 11:07:34 AM	0.8761	2730.43	
5/6/04 11:08:19 AM	0.8886	2730.33	
5/6/04 11:09:04 AM	0.9011	2730.23	
5/6/04 11:09:49 AM	0.9136	2730.15	
5/6/04 11:10:34 AM	0.9261	2730.07	
5/6/04 11:11:19 AM	0.9386	2729.99	
5/6/04 11:12:04 AM	0.9511	2729.90	
5/6/04 11:12:49 AM	0.9636	2729.81	
5/6/04 11:13:34 AM	0.9761	2729.72	
5/6/04 11:14:19 AM	0.9886	2729.64	
5/6/04 11:15:04 AM	1.0011	2729.55	
5/6/04 11:15:49 AM	1.0136	2729.48	
5/6/04 11:16:34 AM	1.0261	2729.39	
5/6/04 11:17:19 AM	1.0386	2729.30	
5/6/04 11:18:04 AM	1.0511	2729.21	
5/6/04 11:18:49 AM	1.0636	2729.15	
5/6/04 11:19:34 AM	1.0761	2729.08	
5/6/04 11:20:19 AM	1.0886	2729.00	
5/6/04 11:21:04 AM	1.1011	2728.93	
5/6/04 11:21:49 AM	1.1136	2728.86	
5/6/04 11:22:34 AM	1.1261	2728.79	
5/6/04 11:23:19 AM	1.1386	2728.71	
5/6/04 11:24:04 AM	1.1511	2728.63	

5/6/04 11:24:49 AM	1.1636	2728.52
5/6/04 11:25:34 AM	1.1761	2728.44
5/6/04 11:26:19 AM	1.1886	2728.37
5/6/04 11:27:04 AM	1.2011	2728.32
5/6/04 11:27:49 AM	1.2136	2728.27
5/6/04 11:28:34 AM	1.2261	2728.19
5/6/04 11:29:19 AM	1.2386	2728.12
5/6/04 11:30:04 AM	1.2511	2728.04
5/6/04 11:30:49 AM	1.2636	2727.98
5/6/04 11:31:34 AM	1.2761	2727.91
5/6/04 11:32:19 AM	1.2886	2727.86
5/6/04 11:33:04 AM	1.3011	2727.79
5/6/04 11:33:49 AM	1.3136	2727.71
5/6/04 11:34:34 AM	1.3261	2727.60
5/6/04 11:35:19 AM	1.3386	2727.52
5/6/04 11:36:04 AM	1.3511	2727.45
5/6/04 11:36:49 AM	1.3636	2727.40
5/6/04 11:37:34 AM	1.3761	2727.26
5/6/04 11:38:19 AM	1.3886	2727.41
5/6/04 11:39:04 AM	1.4011	2727.48
5/6/04 11:39:19 AM		START 1ST RATE @ 1440 BPD
5/6/04 11:39:19 AM	1.4053	2728.01
5/6/04 11:40:04 AM	1.4178	2739.39
5/6/04 11:40:49 AM	1.4303	2745.68
5/6/04 11:41:34 AM	1.4428	2750.57
5/6/04 11:42:19 AM	1.4553	2753.96
5/6/04 11:43:04 AM	1.4678	2756.84
5/6/04 11:43:49 AM	1.4803	2759.31
5/6/04 11:44:34 AM	1.4928	2761.42
5/6/04 11:45:19 AM	1.5053	2763.48
5/6/04 11:46:04 AM	1.5178	2765.30
5/6/04 11:46:49 AM	1.5303	2766.90
5/6/04 11:47:34 AM	1.5428	2768.43
5/6/04 11:48:19 AM	1.5553	2769.97
5/6/04 11:49:04 AM	1.5678	2771.21
5/6/04 11:49:49 AM	1.5803	2772.55
5/6/04 11:50:34 AM	1.5928	2773.77
5/6/04 11:51:19 AM	1.6053	2774.97
5/6/04 11:52:04 AM	1.6178	2776.13
5/6/04 11:52:49 AM	1.6303	2777.29
5/6/04 11:53:19 AM		START 2ND RATE @ 1440 BPD
5/6/04 11:53:19 AM	1.6386	2778.01
5/6/04 11:54:04 AM	1.6511	2782.29
5/6/04 11:54:49 AM	1.6636	2784.45
5/6/04 11:55:34 AM	1.6761	2786.26
5/6/04 11:56:19 AM	1.6886	2787.88
5/6/04 11:57:04 AM	1.7011	2789.46
5/6/04 11:57:49 AM	1.7136	2790.80
5/6/04 11:58:34 AM	1.7261	2791.95
5/6/04 11:59:19 AM	1.7386	2793.04
5/6/04 12:00:04 PM	1.7511	2794.05
5/6/04 12:00:49 PM	1.7636	2794.98

5/6/04 12:01:34 PM	1.7761	2796.04
5/6/04 12:02:19 PM	1.7886	2797.16
5/6/04 12:03:04 PM	1.8011	2798.14
5/6/04 12:03:49 PM	1.8136	2799.12
5/6/04 12:04:34 PM	1.8261	2800.14
5/6/04 12:05:19 PM	1.8386	2801.07
5/6/04 12:06:04 PM	1.8511	2802.02
5/6/04 12:06:49 PM	1.8636	2803.01
5/6/04 12:07:34 PM	1.8761	2804.05
5/6/04 12:08:19 PM	1.8886	2804.96
5/6/04 12:08:34 PM		START 3RD RATE @ 2340 BPD
5/6/04 12:08:34 PM	1.8928	2806.34
5/6/04 12:09:19 PM	1.9053	2812.13
5/6/04 12:10:04 PM	1.9178	2815.28
5/6/04 12:10:49 PM	1.9303	2817.92
5/6/04 12:11:34 PM	1.9428	2820.16
5/6/04 12:12:19 PM	1.9553	2822.08
5/6/04 12:13:04 PM	1.9678	2823.85
5/6/04 12:13:49 PM	1.9803	2825.42
5/6/04 12:14:34 PM	1.9928	2826.96
5/6/04 12:15:19 PM	2.0053	2828.36
5/6/04 12:16:04 PM	2.0178	2829.82
5/6/04 12:16:49 PM	2.0303	2831.19
5/6/04 12:17:34 PM	2.0428	2832.60
5/6/04 12:18:19 PM	2.0553	2833.84
5/6/04 12:19:04 PM	2.0678	2834.96
5/6/04 12:19:49 PM	2.0803	2836.18
5/6/04 12:20:34 PM	2.0928	2837.40
5/6/04 12:21:19 PM	2.1053	2838.60
5/6/04 12:22:04 PM	2.1178	2839.82
5/6/04 12:22:49 PM	2.1303	2840.93
5/6/04 12:23:34 PM		START 4TH RATE @ 2880 BPD
5/6/04 12:23:34 PM	2.1428	2842.08
5/6/04 12:24:19 PM	2.1553	2846.52
5/6/04 12:25:04 PM	2.1678	2849.05
5/6/04 12:25:49 PM	2.1803	2851.31
5/6/04 12:26:34 PM	2.1928	2853.06
5/6/04 12:27:19 PM	2.2053	2854.71
5/6/04 12:28:04 PM	2.2178	2856.29
5/6/04 12:28:49 PM	2.2303	2857.67
5/6/04 12:29:34 PM	2.2428	2859.18
5/6/04 12:30:19 PM	2.2553	2860.46
5/6/04 12:31:04 PM	2.2678	2861.64
5/6/04 12:31:49 PM	2.2803	2862.91
5/6/04 12:32:34 PM	2.2928	2864.11
5/6/04 12:33:19 PM	2.3053	2865.14
5/6/04 12:34:04 PM	2.3178	2866.31
5/6/04 12:34:49 PM	2.3303	2867.33
5/6/04 12:35:34 PM	2.3428	2868.29
5/6/04 12:36:19 PM	2.3553	2869.48
5/6/04 12:37:04 PM	2.3678	2870.49
5/6/04 12:37:34 PM		START 5TH RATE @ 3600 BPD

5/6/04 12:37:34 PM	2.3761	2871.42
5/6/04 12:38:19 PM	2.3886	2876.77
5/6/04 12:39:04 PM	2.4011	2879.83
5/6/04 12:39:49 PM	2.4136	2882.19
5/6/04 12:40:34 PM	2.4261	2884.23
5/6/04 12:41:19 PM	2.4386	2885.86
5/6/04 12:42:04 PM	2.4511	2887.53
5/6/04 12:42:49 PM	2.4636	2889.20
5/6/04 12:43:34 PM	2.4761	2890.62
5/6/04 12:44:19 PM	2.4886	2891.94
5/6/04 12:45:04 PM	2.5011	2893.40
5/6/04 12:45:49 PM	2.5136	2894.69
5/6/04 12:46:34 PM	2.5261	2896.03
5/6/04 12:47:19 PM	2.5386	2897.27
5/6/04 12:48:04 PM	2.5511	2898.42
5/6/04 12:48:49 PM	2.5636	2899.56
5/6/04 12:49:34 PM	2.5761	2900.67
5/6/04 12:50:19 PM	2.5886	2901.76
5/6/04 12:51:04 PM	2.6011	2902.82
5/6/04 12:51:49 PM	2.6136	2903.99
5/6/04 12:52:34 PM	2.6261	2905.16
5/6/04 12:53:19 PM		START 6TH RATE @ 4320 BPD
5/6/04 12:53:19 PM	2.6386	2906.36
5/6/04 12:54:04 PM	2.6511	2911.43
5/6/04 12:54:49 PM	2.6636	2914.50
5/6/04 12:55:34 PM	2.6761	2917.16
5/6/04 12:56:19 PM	2.6886	2919.20
5/6/04 12:57:04 PM	2.7011	2920.84
5/6/04 12:57:49 PM	2.7136	2922.55
5/6/04 12:58:34 PM	2.7261	2923.97
5/6/04 12:59:19 PM	2.7386	2925.55
5/6/04 01:00:04 PM	2.7511	2926.96
5/6/04 01:00:49 PM	2.7636	2928.37
5/6/04 01:01:34 PM	2.7761	2929.74
5/6/04 01:02:19 PM	2.7886	2931.15
5/6/04 01:03:04 PM	2.8011	2932.38
5/6/04 01:03:49 PM	2.8136	2933.68
5/6/04 01:04:34 PM	2.8261	2934.90
5/6/04 01:05:19 PM	2.8386	2936.05
5/6/04 01:06:04 PM	2.8511	2937.16
5/6/04 01:06:49 PM	2.8636	2938.46
5/6/04 01:07:34 PM	2.8761	2939.78
5/6/04 01:08:19 PM		START 7TH RATE @ 5040 BPD
5/6/04 01:08:19 PM	2.8886	2941.26
5/6/04 01:09:04 PM	2.9011	2947.04
5/6/04 01:09:49 PM	2.9136	2949.96
5/6/04 01:10:34 PM	2.9261	2952.58
5/6/04 01:11:19 PM	2.9386	2954.67
5/6/04 01:12:04 PM	2.9511	2956.60
5/6/04 01:12:49 PM	2.9636	2958.31
5/6/04 01:13:34 PM	2.9761	2959.85
5/6/04 01:14:19 PM	2.9886	2961.30

5/6/04 01:15:04 PM	3.0011	2962.75
5/6/04 01:15:49 PM	3.0136	2964.22
5/6/04 01:16:34 PM	3.0261	2965.61
5/6/04 01:17:19 PM	3.0386	2967.00
5/6/04 01:18:04 PM	3.0511	2968.40
5/6/04 01:18:49 PM	3.0636	2969.57
5/6/04 01:19:34 PM	3.0761	2970.88
5/6/04 01:20:19 PM	3.0886	2972.19
5/6/04 01:21:04 PM	3.1011	2973.50
5/6/04 01:21:49 PM	3.1136	2974.48
5/6/04 01:22:34 PM	3.1261	2975.93
5/6/04 01:23:19 PM	3.1386	2977.16
5/6/04 01:23:49 PM		START 8TH RATE @ 5760 BPD
5/6/04 01:23:49 PM	3.1469	2978.94
5/6/04 01:24:34 PM	3.1594	2983.62
5/6/04 01:25:19 PM	3.1719	2986.87
5/6/04 01:26:04 PM	3.1844	2989.58
5/6/04 01:26:49 PM	3.1969	2992.00
5/6/04 01:27:34 PM	3.2094	2994.05
5/6/04 01:28:19 PM	3.2219	2995.95
5/6/04 01:29:04 PM	3.2344	2997.18
5/6/04 01:29:49 PM	3.2469	2998.92
5/6/04 01:30:34 PM	3.2594	3000.96
5/6/04 01:31:19 PM	3.2719	3002.16
5/6/04 01:32:04 PM	3.2844	3003.84
5/6/04 01:32:49 PM	3.2969	3005.36
5/6/04 01:33:34 PM	3.3094	3006.76
5/6/04 01:34:19 PM	3.3219	3008.12
5/6/04 01:35:04 PM	3.3344	3009.49
5/6/04 01:35:49 PM	3.3469	3010.99
5/6/04 01:36:34 PM	3.3594	3012.56
5/6/04 01:37:19 PM	3.3719	3014.13
5/6/04 01:38:04 PM	3.3844	3015.44
5/6/04 01:38:34 PM		START 9TH RATE @ 6480 BPD
5/6/04 01:38:34 PM	3.3928	3016.58
5/6/04 01:39:19 PM	3.4053	3021.48
5/6/04 01:40:04 PM	3.4178	3025.00
5/6/04 01:40:49 PM	3.4303	3027.97
5/6/04 01:41:34 PM	3.4428	3030.81
5/6/04 01:42:19 PM	3.4553	3033.17
5/6/04 01:43:04 PM	3.4678	3035.57
5/6/04 01:43:49 PM	3.4803	3038.20
5/6/04 01:44:34 PM	3.4928	3040.53
5/6/04 01:45:19 PM	3.5053	3042.73
5/6/04 01:46:04 PM	3.5178	3044.35
5/6/04 01:46:49 PM	3.5303	3046.01
5/6/04 01:47:34 PM	3.5428	3044.16
5/6/04 01:48:19 PM	3.5553	3045.87
5/6/04 01:49:04 PM	3.5678	3047.63
5/6/04 01:49:49 PM	3.5803	3049.81
5/6/04 01:50:34 PM	3.5928	3051.89
5/6/04 01:51:19 PM	3.6053	3053.44

5/6/04 01:52:04 PM	3.6178	3054.87
5/6/04 01:52:34 PM		START 10TH RATE @ 7200 BPD
5/6/04 01:52:34 PM	3.6261	3055.93
5/6/04 01:53:19 PM	3.6386	3057.40
5/6/04 01:54:04 PM	3.6511	3059.83
5/6/04 01:54:49 PM	3.6636	3062.47
5/6/04 01:55:34 PM	3.6761	3062.93
5/6/04 01:56:19 PM	3.6886	3063.97
5/6/04 01:57:04 PM	3.7011	3065.45
5/6/04 01:57:49 PM	3.7136	3042.18
5/6/04 01:58:34 PM	3.7261	3050.91
5/6/04 01:59:19 PM	3.7386	3056.88
5/6/04 02:00:04 PM	3.7511	3060.50
5/6/04 02:00:49 PM	3.7636	3063.30
5/6/04 02:01:34 PM	3.7761	3065.55
5/6/04 02:02:19 PM	3.7886	3068.16
5/6/04 02:03:04 PM	3.8011	3070.55
5/6/04 02:03:49 PM	3.8136	3072.73
5/6/04 02:04:34 PM	3.8261	3074.44
5/6/04 02:05:19 PM	3.8386	3076.36
5/6/04 02:06:04 PM	3.8511	3077.85
5/6/04 02:06:49 PM	3.8636	3079.34
5/6/04 02:07:34 PM	3.8761	3080.50
5/6/04 02:08:19 PM	3.8886	3081.66
5/6/04 02:08:34 PM		START 11TH RATE @ 7488 BPD
5/6/04 02:08:34 PM	3.8928	3081.97
5/6/04 02:08:49 PM	3.8969	3080.30
5/6/04 02:09:04 PM	3.9011	3074.76
5/6/04 02:09:19 PM	3.9053	3061.20
5/6/04 02:09:34 PM	3.9094	3047.45
5/6/04 02:09:49 PM	3.9136	3040.35
5/6/04 02:10:04 PM	3.9178	3034.17
5/6/04 02:10:19 PM	3.9219	3029.61
5/6/04 02:10:34 PM	3.9261	3025.16
5/6/04 02:10:49 PM	3.9303	3021.25
5/6/04 02:11:04 PM	3.9344	3017.92
5/6/04 02:11:19 PM	3.9386	3014.53
5/6/04 02:11:34 PM	3.9428	3011.71
5/6/04 02:11:49 PM	3.9469	3008.81
5/6/04 02:12:04 PM	3.9511	3006.08
5/6/04 02:12:19 PM	3.9553	3003.63
5/6/04 02:12:34 PM	3.9594	3001.37
5/6/04 02:12:49 PM	3.9636	2999.04
5/6/04 02:13:04 PM	3.9678	2996.89
5/6/04 02:13:19 PM	3.9719	2994.58
5/6/04 02:13:34 PM	3.9761	2992.77
5/6/04 02:13:49 PM	3.9803	2990.91
5/6/04 02:14:04 PM	3.9844	2988.89
5/6/04 02:14:19 PM	3.9886	2987.05
5/6/04 02:14:34 PM	3.9928	2985.27
5/6/04 02:14:49 PM	3.9969	2983.69
5/6/04 02:15:04 PM	4.0011	2982.15

5/6/04 02:15:19 PM	4.0053	2980.39
5/6/04 02:15:34 PM	4.0094	2978.97
5/6/04 02:15:49 PM	4.0136	2977.44
5/6/04 02:16:04 PM	4.0178	2975.95
5/6/04 02:16:19 PM	4.0219	2974.23
5/6/04 02:16:34 PM	4.0261	2973.00
5/6/04 02:16:49 PM	4.0303	2971.65
5/6/04 02:17:04 PM	4.0344	2970.26
5/6/04 02:17:19 PM	4.0386	2968.65
5/6/04 02:17:34 PM	4.0428	2967.48
5/6/04 02:17:49 PM	4.0469	2966.21
5/6/04 02:18:04 PM	4.0511	2964.94
5/6/04 02:18:19 PM	4.0553	2963.69
5/6/04 02:18:34 PM	4.0594	2962.23
5/6/04 02:18:49 PM	4.0636	2961.12
5/6/04 02:19:04 PM	4.0678	2959.99
5/6/04 02:19:19 PM	4.0719	2958.76
5/6/04 02:19:34 PM	4.0761	2957.66
5/6/04 02:19:49 PM	4.0803	2956.49
5/6/04 02:20:04 PM	4.0844	2955.36
5/6/04 02:20:19 PM	4.0886	2954.09
5/6/04 02:20:34 PM	4.0928	2953.13
5/6/04 02:20:49 PM	4.0969	2952.03
5/6/04 02:21:04 PM	4.1011	2950.80
5/6/04 02:21:19 PM	4.1053	2949.84
5/6/04 02:21:34 PM	4.1094	2948.91
5/6/04 02:21:49 PM	4.1136	2947.68
5/6/04 02:22:04 PM	4.1178	2946.72
5/6/04 02:22:19 PM	4.1219	2945.75
5/6/04 02:22:34 PM	4.1261	2944.87
5/6/04 02:22:49 PM	4.1303	2943.88
5/6/04 02:23:04 PM		END OF 11TH RATE
5/6/04 02:23:04 PM	4.1344	2942.95



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

*ADMINISTRATIVE ORDER SWD-708*

***APPLICATION OF POGO PRODUCING COMPANY FOR SALT WATER DISPOSAL,  
EDDY COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Pogo Producing Company made application to the New Mexico Oil Conservation Division on March 11, 1998, for permission to complete for salt water disposal its Lost Tank '33' Federal Well No.2 located 330 feet from the South line and 510 feet from the West line (Unit M) of Section 33, Township 21 South, Range 31 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

**IT IS THEREFORE ORDERED THAT:**

The applicant herein, Pogo Producing Company is hereby authorized to complete its Lost Tank '33' Federal Well No.2 located 330 feet from the South line and 510 feet from the West line (Unit M) of Section 33, Township 21 South, Range 31 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Bell Canyon and Upper Cherry Canyon formations at approximately 4166 feet to 5160 feet through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 4066 feet.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 833 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Bell Canyon or Upper Cherry Canyon formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

**PROVIDED FURTHER THAT,** jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

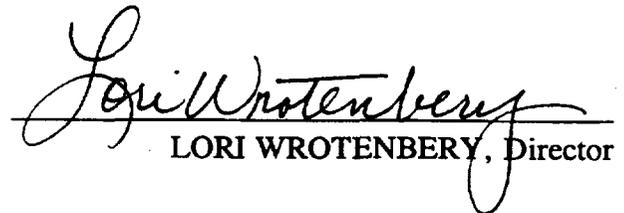
The operator shall submit monthly reports of the disposal operations on Division Form C-115 and in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

*Administrative Order SWD-708*  
*Pogo Producing Company*  
*May 21, 1998*  
*Page 3*

---

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 21st day of May, 1998.

  
LORI WROTENBERY, Director

LW/BES/kv

cc: Oil Conservation Division - Artesia  
Bureau of Land Management - Carlsbad