



OPERATIONS LOG

COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED # 4 SWD
FIELD (FORMATION): CEDAR CANYON (BELL)
COUNTY: EDDY
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: BARRETT SMITH
FIELD REP: CLAY OSBORNE
JOB RUN BY: JOE PEREZ
DATA PREPARED BY: ROD DODSON
INSTRUMENT: V-92

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 56739
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1/21/03 08:28:00 AM			START GAUGE #V-92
1/21/03 08:40:00 AM	475		IN LUBRICATOR W/ GAUGES
1/21/03 09:02:20 AM	475		ON BOTTOM W/ GAUGES @ 4022'
1/21/03 09:14:31 AM			START 1ST RATE @ 300 BPD
1/21/03 09:30:11 AM			START 2ND RATE @ 400 BPD
1/21/03 09:44:51 AM			START 3RD RATE @ 600 BPD
1/21/03 09:59:31 AM			START 4TH RATE @ 800 BPD
1/21/03 10:15:51 AM			START 5TH RATE @ 1000 BPD
1/21/03 10:29:31 AM			START 6TH RATE @ 1200 BPD
1/21/03 10:45:01 AM			START 7TH RATE @ 1400 BPD
1/21/03 10:59:41 AM			START 8TH RATE @ 1600 BPD
1/21/03 11:14:51 AM			START 9TH RATE @ 1800 BPD
1/21/03 11:29:31 AM			START 10TH RATE @ 2000 BPD
1/21/03 11:44:41 AM			START 11TH RATE @ 2200 BPD
1/21/03 11:57:21 AM			END FINAL RATE, RAN OUT OF WATER
1/21/03 12:00:01 PM			OFF BOTTOM W/ GAUGES



COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED # 4 SWD
FIELD (FORMATION): CEDAR CANYON (BELL)
COUNTY: EDDY
STATE: NM

TEST DATES: 1/21/03 - 1/21/03
RUN DEPTH: 4022
INSTRUMENT: V-92

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 56739
1/21/02 09:14:30 AM	0.7750	2586.44	475.00	0.00	
1/21/02 09:30:10 AM	1.0361	2587.14	495.00	300.00	
1/21/02 09:44:50 AM	1.2806	2587.19	502.00	400.00	
1/21/02 09:59:30 AM	1.5250	2587.80	526.00	600.00	
1/21/02 10:15:50 AM	1.7972	2590.15	558.00	800.00	
1/21/02 10:29:30 AM	2.0250	2591.96	590.00	1000.00	
1/21/02 10:45:00 AM	2.2833	2593.39	618.00	1200.00	
1/21/02 10:59:40 AM	2.5278	2594.80	650.00	1400.00	
1/21/02 11:14:50 AM	2.7806	2596.39	695.00	1600.00	
1/21/02 11:29:30 AM	3.0250	2598.05	750.00	1800.00	
1/21/02 11:44:40 AM	3.2778	2599.92	810.00	2000.00	
1/21/02 11:57:20 AM	3.4889	2601.70	881.00	2200.00	

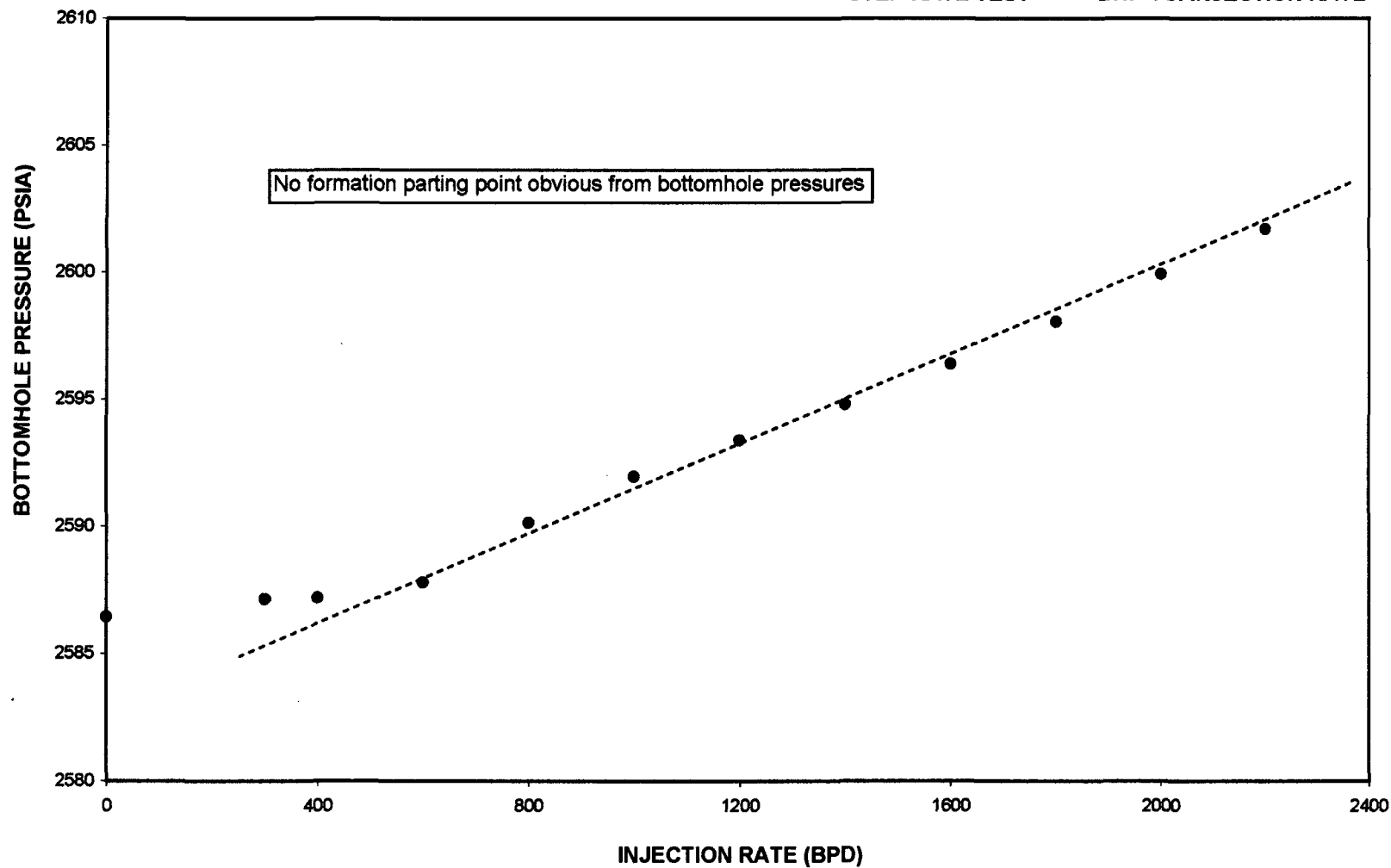


COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED
WELL NUMBER: 4 SWD

FIELD: CEDAR CANYON
COUNTY: EDDY
STATE: NM

JOB # 56739
TEST DATE: 1/21/03 - 1/21/03

STEP-RATE TEST - BHP VS. INJECTION RATE

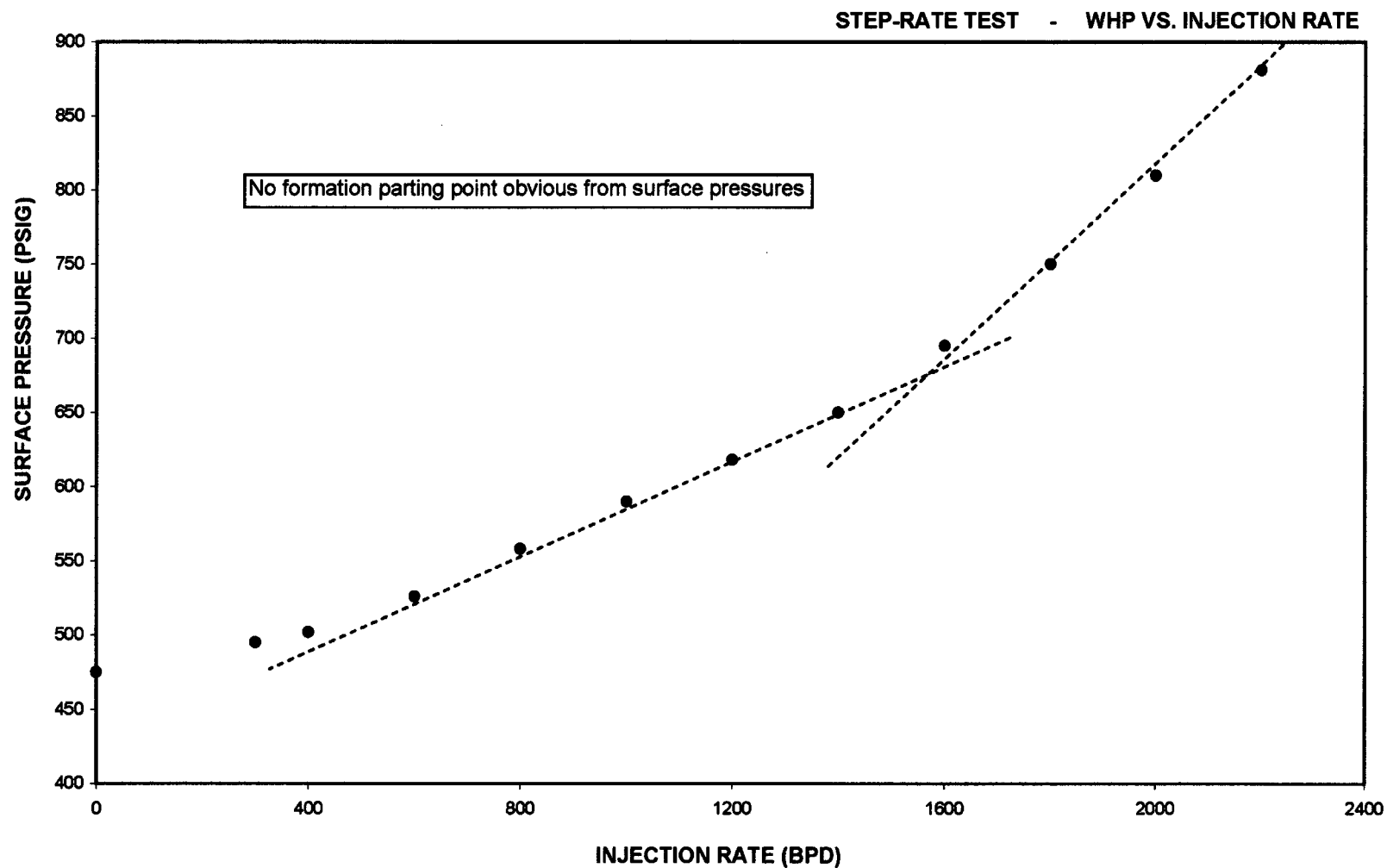




COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED
WELL NUMBER: 4 SWD

FIELD: CEDAR CANYON
COUNTY: EDDY
STATE: NM

JOB #: 56739
TEST DATE: 1/21/03 - 1/21/03

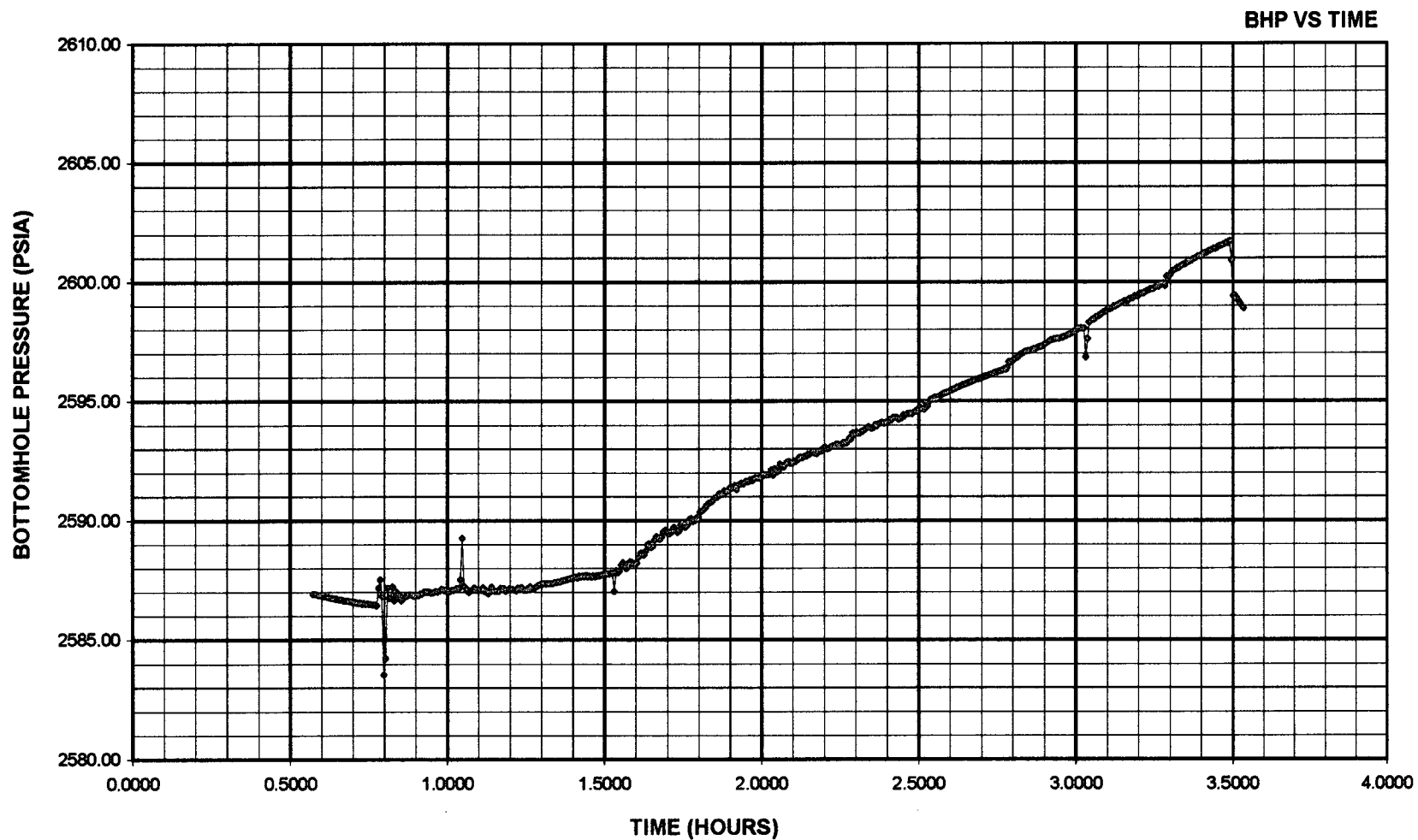




COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED
WELL NUMBER: 4 SWD

FIELD: CEDAR CANYON
COUNTY: EDDY
STATE: NM

JOB # 56739
TEST DATE: 1/21/03 - 1/21/03



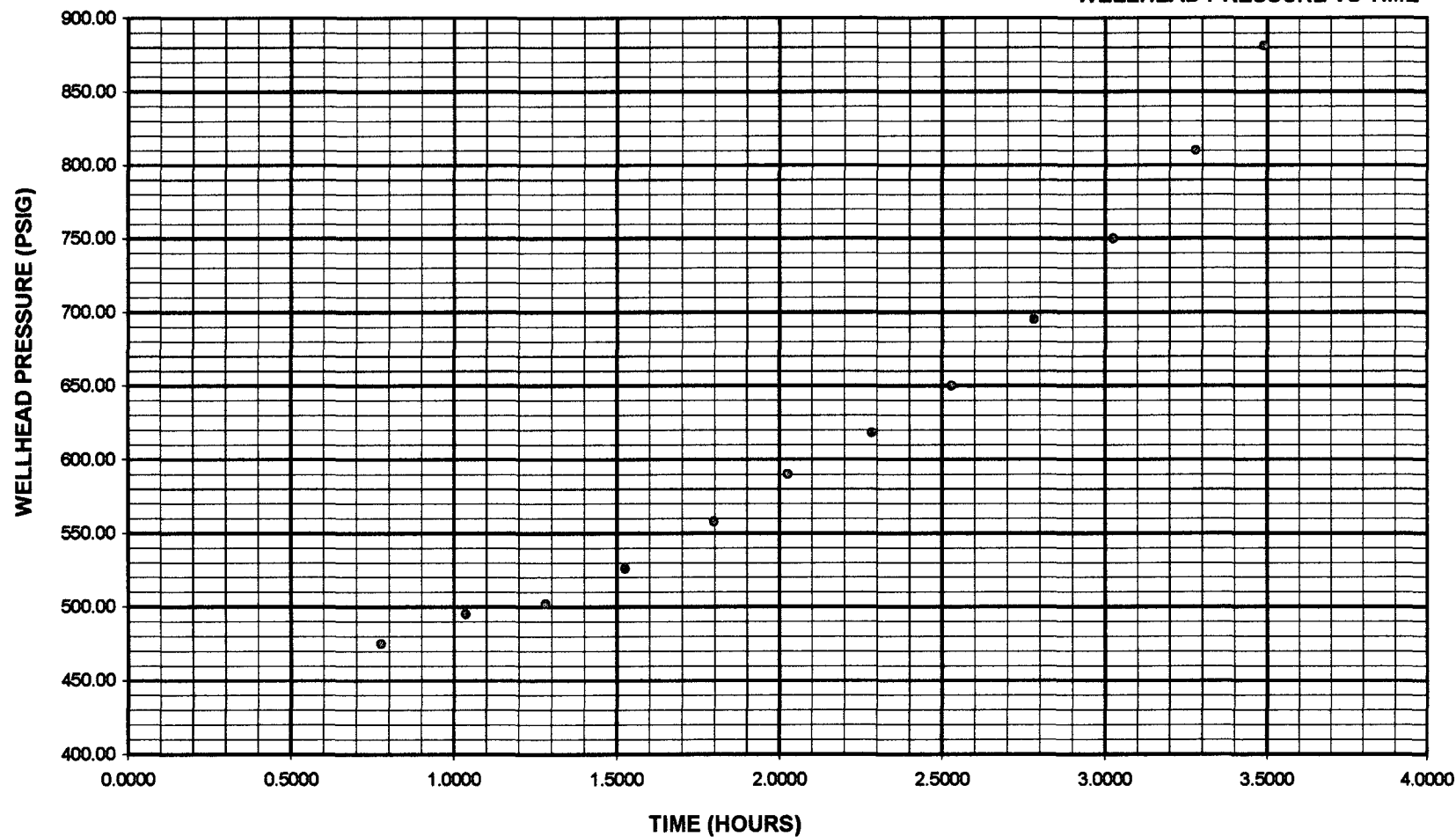


COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED
WELL NUMBER: 4 SWD

FIELD: CEDAR CANYON
COUNTY: EDDY
STATE: NM

JOB #: 56739
TEST DATE: 1/21/03 - 1/21/03

WELLHEAD PRESSURE VS TIME

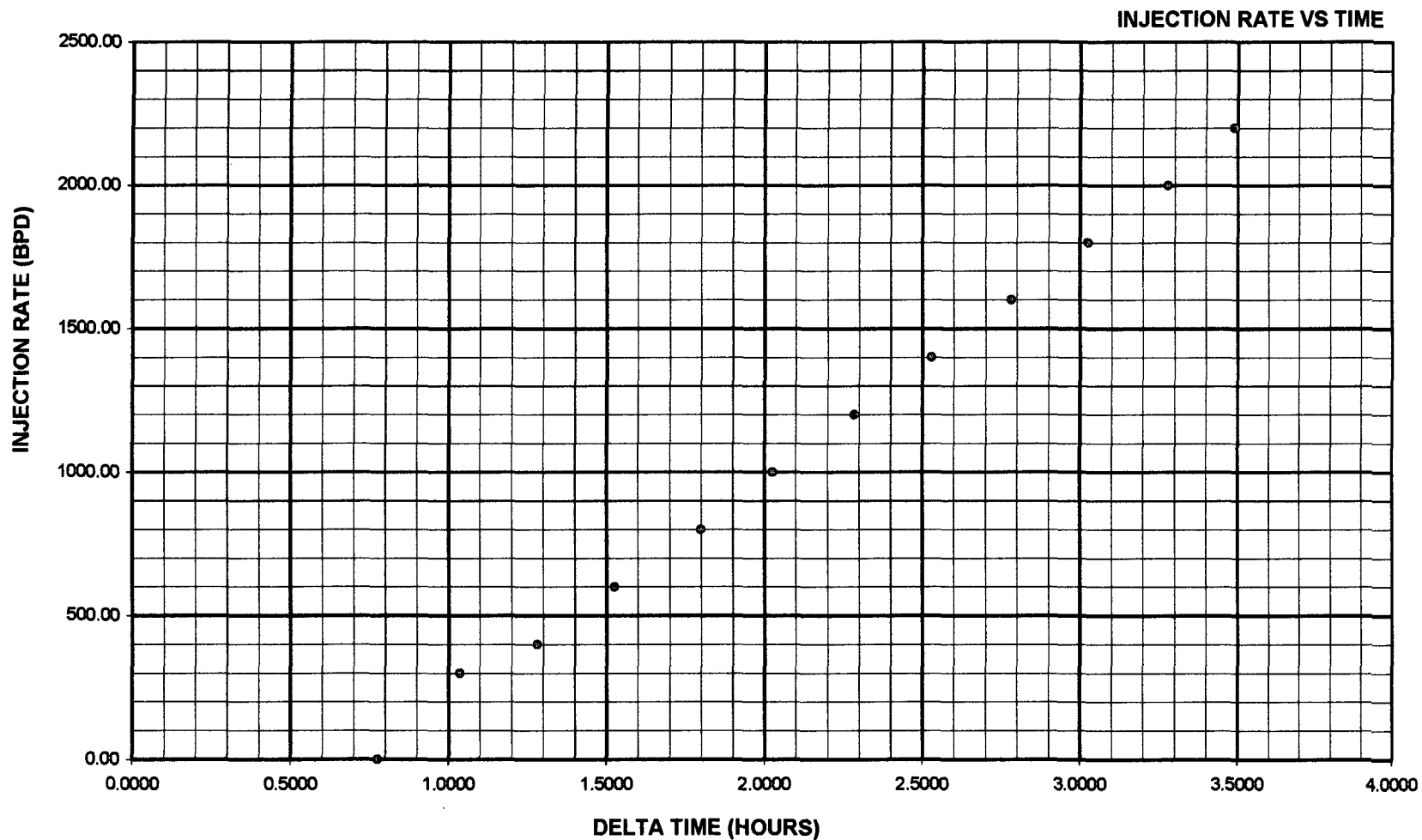




COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED
WELL NUMBER: 4 SWD

FIELD: CEDAR CANYON
COUNTY: EDDY
STATE: NM

JOB # 56739
TEST DATE: 1/21/03 - 1/21/03





COMPANY: POGO PRODUCING CO.
LEASE: CEDAR CANYON 28 FED # 4 SWD
FIELD (FORMATION): CEDAR CANYON (BELL)
COUNTY: EDDY
STATE: NM

TEST DATES: 1/21/03 - 1/21/03
RUN DEPTH: 4022
INSTRUMENT: V-92

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 08:28:00 AM			START GAUGE #V-92
1/21/03 08:40:00 AM			IN LUBRICATOR W/ GAUGES
1/21/03 09:02:20 AM			ON BOTTOM W/ GAUGES @ 4022'
1/21/03 09:02:20 AM	0.5722	2586.92	
1/21/03 09:02:40 AM	0.5778	2586.92	
1/21/03 09:03:00 AM	0.5833	2586.90	
1/21/03 09:03:20 AM	0.5889	2586.88	
1/21/03 09:03:40 AM	0.5944	2586.87	
1/21/03 09:04:00 AM	0.6000	2586.85	
1/21/03 09:04:20 AM	0.6056	2586.84	
1/21/03 09:04:40 AM	0.6111	2586.82	
1/21/03 09:05:00 AM	0.6167	2586.80	
1/21/03 09:05:20 AM	0.6222	2586.80	
1/21/03 09:05:40 AM	0.6278	2586.76	
1/21/03 09:06:00 AM	0.6333	2586.76	
1/21/03 09:06:20 AM	0.6389	2586.73	
1/21/03 09:06:40 AM	0.6444	2586.72	
1/21/03 09:07:00 AM	0.6500	2586.71	
1/21/03 09:07:20 AM	0.6556	2586.69	
1/21/03 09:07:40 AM	0.6611	2586.68	
1/21/03 09:08:00 AM	0.6667	2586.67	
1/21/03 09:08:20 AM	0.6722	2586.65	
1/21/03 09:08:40 AM	0.6778	2586.64	
1/21/03 09:09:00 AM	0.6833	2586.64	
1/21/03 09:09:20 AM	0.6889	2586.61	
1/21/03 09:09:40 AM	0.6944	2586.60	
1/21/03 09:10:00 AM	0.7000	2586.57	
1/21/03 09:10:20 AM	0.7056	2586.58	
1/21/03 09:10:40 AM	0.7111	2586.56	
1/21/03 09:11:00 AM	0.7167	2586.54	
1/21/03 09:11:20 AM	0.7222	2586.56	
1/21/03 09:11:40 AM	0.7278	2586.51	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 09:12:00 AM	0.7333	2586.54
1/21/03 09:12:20 AM	0.7389	2586.51
1/21/03 09:12:40 AM	0.7444	2586.52
1/21/03 09:13:00 AM	0.7500	2586.49
1/21/03 09:13:20 AM	0.7556	2586.49
1/21/03 09:13:40 AM	0.7611	2586.48
1/21/03 09:14:00 AM	0.7667	2586.47
1/21/03 09:14:20 AM	0.7722	2586.46
1/21/03 09:14:30 AM	0.7750	2586.44

START 1ST RATE @ 300 BPD

1/21/03 09:14:50 AM	0.7806	2587.19
1/21/03 09:15:10 AM	0.7861	2587.53
1/21/03 09:15:30 AM	0.7917	2586.83
1/21/03 09:15:50 AM	0.7972	2583.55
1/21/03 09:16:10 AM	0.8028	2584.22
1/21/03 09:16:30 AM	0.8083	2587.18
1/21/03 09:16:50 AM	0.8139	2586.76
1/21/03 09:17:10 AM	0.8194	2586.76
1/21/03 09:17:30 AM	0.8250	2587.24
1/21/03 09:17:50 AM	0.8306	2586.65
1/21/03 09:18:10 AM	0.8361	2587.03
1/21/03 09:18:30 AM	0.8417	2586.79
1/21/03 09:18:50 AM	0.8472	2586.89
1/21/03 09:19:10 AM	0.8528	2586.65
1/21/03 09:19:30 AM	0.8583	2586.77
1/21/03 09:19:50 AM	0.8639	2586.79
1/21/03 09:20:10 AM	0.8694	2586.84
1/21/03 09:20:30 AM	0.8750	2586.87
1/21/03 09:20:50 AM	0.8806	2586.90
1/21/03 09:21:10 AM	0.8861	2586.90
1/21/03 09:21:30 AM	0.8917	2586.84
1/21/03 09:21:50 AM	0.8972	2586.86
1/21/03 09:22:10 AM	0.9028	2586.87
1/21/03 09:22:30 AM	0.9083	2586.86
1/21/03 09:22:50 AM	0.9139	2586.93
1/21/03 09:23:10 AM	0.9194	2586.93
1/21/03 09:23:30 AM	0.9250	2587.02
1/21/03 09:23:50 AM	0.9306	2587.02
1/21/03 09:24:10 AM	0.9361	2587.02
1/21/03 09:24:30 AM	0.9417	2587.01
1/21/03 09:24:50 AM	0.9472	2586.97
1/21/03 09:25:10 AM	0.9528	2586.98
1/21/03 09:25:30 AM	0.9583	2587.01
1/21/03 09:25:50 AM	0.9639	2587.03
1/21/03 09:26:10 AM	0.9694	2587.01
1/21/03 09:26:30 AM	0.9750	2587.06
1/21/03 09:26:50 AM	0.9806	2587.13
1/21/03 09:27:10 AM	0.9861	2587.09

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 09:27:30 AM	0.9917	2587.08
1/21/03 09:27:50 AM	0.9972	2587.06
1/21/03 09:28:10 AM	1.0028	2587.07
1/21/03 09:28:30 AM	1.0083	2587.03
1/21/03 09:28:50 AM	1.0139	2587.08
1/21/03 09:29:10 AM	1.0194	2587.08
1/21/03 09:29:30 AM	1.0250	2587.12
1/21/03 09:29:50 AM	1.0306	2587.17
1/21/03 09:30:10 AM	1.0361	2587.14
1/21/03 09:30:11 AM		
1/21/03 09:30:30 AM	1.0417	2587.52
1/21/03 09:30:50 AM	1.0472	2589.27
1/21/03 09:31:10 AM	1.0528	2587.27
1/21/03 09:31:30 AM	1.0583	2587.19
1/21/03 09:31:50 AM	1.0639	2587.05
1/21/03 09:32:10 AM	1.0694	2587.00
1/21/03 09:32:30 AM	1.0750	2587.06
1/21/03 09:32:50 AM	1.0806	2587.09
1/21/03 09:33:10 AM	1.0861	2587.18
1/21/03 09:33:30 AM	1.0917	2587.07
1/21/03 09:33:50 AM	1.0972	2587.08
1/21/03 09:34:10 AM	1.1028	2587.08
1/21/03 09:34:30 AM	1.1083	2587.07
1/21/03 09:34:50 AM	1.1139	2587.19
1/21/03 09:35:10 AM	1.1194	2587.03
1/21/03 09:35:30 AM	1.1250	2587.05
1/21/03 09:35:50 AM	1.1306	2586.95
1/21/03 09:36:10 AM	1.1361	2587.05
1/21/03 09:36:30 AM	1.1417	2587.22
1/21/03 09:36:50 AM	1.1472	2587.07
1/21/03 09:37:10 AM	1.1528	2587.04
1/21/03 09:37:30 AM	1.1583	2587.03
1/21/03 09:37:50 AM	1.1639	2587.04
1/21/03 09:38:10 AM	1.1694	2587.16
1/21/03 09:38:30 AM	1.1750	2587.16
1/21/03 09:38:50 AM	1.1806	2587.16
1/21/03 09:39:10 AM	1.1861	2587.04
1/21/03 09:39:30 AM	1.1917	2587.08
1/21/03 09:39:50 AM	1.1972	2587.14
1/21/03 09:40:10 AM	1.2028	2587.10
1/21/03 09:40:30 AM	1.2083	2587.12
1/21/03 09:40:50 AM	1.2139	2587.08
1/21/03 09:41:10 AM	1.2194	2587.06
1/21/03 09:41:30 AM	1.2250	2587.17
1/21/03 09:41:50 AM	1.2306	2587.13
1/21/03 09:42:10 AM	1.2361	2587.20
1/21/03 09:42:30 AM	1.2417	2587.09
1/21/03 09:42:50 AM	1.2472	2587.08

START 2ND RATE @ 400 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 09:43:10 AM	1.2528	2587.07	
1/21/03 09:43:30 AM	1.2583	2587.18	
1/21/03 09:43:50 AM	1.2639	2587.24	
1/21/03 09:44:10 AM	1.2694	2587.14	
1/21/03 09:44:30 AM	1.2750	2587.13	
1/21/03 09:44:50 AM	1.2806	2587.19	
1/21/03 09:44:51 AM			START 3RD RATE @ 600 BPD
1/21/03 09:45:10 AM	1.2861	2587.26	
1/21/03 09:45:30 AM	1.2917	2587.29	
1/21/03 09:45:50 AM	1.2972	2587.33	
1/21/03 09:46:10 AM	1.3028	2587.32	
1/21/03 09:46:30 AM	1.3083	2587.35	
1/21/03 09:46:50 AM	1.3139	2587.35	
1/21/03 09:47:10 AM	1.3194	2587.37	
1/21/03 09:47:30 AM	1.3250	2587.37	
1/21/03 09:47:50 AM	1.3306	2587.37	
1/21/03 09:48:10 AM	1.3361	2587.37	
1/21/03 09:48:30 AM	1.3417	2587.42	
1/21/03 09:48:50 AM	1.3472	2587.40	
1/21/03 09:49:10 AM	1.3528	2587.43	
1/21/03 09:49:30 AM	1.3583	2587.43	
1/21/03 09:49:50 AM	1.3639	2587.48	
1/21/03 09:50:10 AM	1.3694	2587.49	
1/21/03 09:50:30 AM	1.3750	2587.50	
1/21/03 09:50:50 AM	1.3806	2587.54	
1/21/03 09:51:10 AM	1.3861	2587.55	
1/21/03 09:51:30 AM	1.3917	2587.58	
1/21/03 09:51:50 AM	1.3972	2587.59	
1/21/03 09:52:10 AM	1.4028	2587.59	
1/21/03 09:52:30 AM	1.4083	2587.65	
1/21/03 09:52:50 AM	1.4139	2587.60	
1/21/03 09:53:10 AM	1.4194	2587.68	
1/21/03 09:53:30 AM	1.4250	2587.64	
1/21/03 09:53:50 AM	1.4306	2587.69	
1/21/03 09:54:10 AM	1.4361	2587.64	
1/21/03 09:54:30 AM	1.4417	2587.70	
1/21/03 09:54:50 AM	1.4472	2587.64	
1/21/03 09:55:10 AM	1.4528	2587.68	
1/21/03 09:55:30 AM	1.4583	2587.64	
1/21/03 09:55:50 AM	1.4639	2587.68	
1/21/03 09:56:10 AM	1.4694	2587.65	
1/21/03 09:56:30 AM	1.4750	2587.68	
1/21/03 09:56:50 AM	1.4806	2587.69	
1/21/03 09:57:10 AM	1.4861	2587.70	
1/21/03 09:57:30 AM	1.4917	2587.73	
1/21/03 09:57:50 AM	1.4972	2587.73	
1/21/03 09:58:10 AM	1.5028	2587.74	
1/21/03 09:58:30 AM	1.5083	2587.77	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 09:58:50 AM	1.5139	2587.76	
1/21/03 09:59:10 AM	1.5194	2587.79	
1/21/03 09:59:30 AM	1.5250	2587.80	
1/21/03 09:59:31 AM			START 4TH RATE @ 800 BPD
1/21/03 09:59:50 AM	1.5306	2587.03	
1/21/03 10:00:10 AM	1.5361	2587.90	
1/21/03 10:00:30 AM	1.5417	2587.82	
1/21/03 10:00:50 AM	1.5472	2587.86	
1/21/03 10:01:10 AM	1.5528	2588.14	
1/21/03 10:01:30 AM	1.5583	2588.23	
1/21/03 10:01:50 AM	1.5639	2588.06	
1/21/03 10:02:10 AM	1.5694	2588.00	
1/21/03 10:02:30 AM	1.5750	2588.09	
1/21/03 10:02:50 AM	1.5806	2588.27	
1/21/03 10:03:10 AM	1.5861	2588.25	
1/21/03 10:03:30 AM	1.5917	2588.17	
1/21/03 10:03:50 AM	1.5972	2588.19	
1/21/03 10:04:10 AM	1.6028	2588.21	
1/21/03 10:04:30 AM	1.6083	2588.48	
1/21/03 10:04:50 AM	1.6139	2588.63	
1/21/03 10:05:10 AM	1.6194	2588.60	
1/21/03 10:05:30 AM	1.6250	2588.56	
1/21/03 10:05:50 AM	1.6306	2588.72	
1/21/03 10:06:10 AM	1.6361	2588.98	
1/21/03 10:06:30 AM	1.6417	2589.02	
1/21/03 10:06:50 AM	1.6472	2588.88	
1/21/03 10:07:10 AM	1.6528	2588.92	
1/21/03 10:07:30 AM	1.6583	2589.17	
1/21/03 10:07:50 AM	1.6639	2589.32	
1/21/03 10:08:10 AM	1.6694	2589.28	
1/21/03 10:08:30 AM	1.6750	2589.21	
1/21/03 10:08:50 AM	1.6806	2589.32	
1/21/03 10:09:10 AM	1.6861	2589.52	
1/21/03 10:09:30 AM	1.6917	2589.60	
1/21/03 10:09:50 AM	1.6972	2589.56	
1/21/03 10:10:10 AM	1.7028	2589.45	
1/21/03 10:10:30 AM	1.7083	2589.45	
1/21/03 10:10:50 AM	1.7139	2589.60	
1/21/03 10:11:10 AM	1.7194	2589.72	
1/21/03 10:11:30 AM	1.7250	2589.64	
1/21/03 10:11:50 AM	1.7306	2589.49	
1/21/03 10:12:10 AM	1.7361	2589.56	
1/21/03 10:12:30 AM	1.7417	2589.82	
1/21/03 10:12:50 AM	1.7472	2589.87	
1/21/03 10:13:10 AM	1.7528	2589.74	
1/21/03 10:13:30 AM	1.7583	2589.73	
1/21/03 10:13:50 AM	1.7639	2589.84	
1/21/03 10:14:10 AM	1.7694	2590.07	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 10:14:30 AM	1.7750	2590.09	
1/21/03 10:14:50 AM	1.7806	2589.97	
1/21/03 10:15:10 AM	1.7861	2590.00	
1/21/03 10:15:30 AM	1.7917	2590.11	
1/21/03 10:15:50 AM	1.7972	2590.15	
1/21/03 10:15:51 AM			START 5TH RATE @ 1000 BPD
1/21/03 10:16:10 AM	1.8028	2590.34	
1/21/03 10:16:30 AM	1.8083	2590.39	
1/21/03 10:16:50 AM	1.8139	2590.45	
1/21/03 10:17:10 AM	1.8194	2590.54	
1/21/03 10:17:30 AM	1.8250	2590.65	
1/21/03 10:17:50 AM	1.8306	2590.73	
1/21/03 10:18:10 AM	1.8361	2590.76	
1/21/03 10:18:30 AM	1.8417	2590.81	
1/21/03 10:18:50 AM	1.8472	2590.94	
1/21/03 10:19:10 AM	1.8528	2590.95	
1/21/03 10:19:30 AM	1.8583	2590.98	
1/21/03 10:19:50 AM	1.8639	2591.11	
1/21/03 10:20:10 AM	1.8694	2591.09	
1/21/03 10:20:30 AM	1.8750	2591.13	
1/21/03 10:20:50 AM	1.8806	2591.24	
1/21/03 10:21:10 AM	1.8861	2591.20	
1/21/03 10:21:30 AM	1.8917	2591.24	
1/21/03 10:21:50 AM	1.8972	2591.36	
1/21/03 10:22:10 AM	1.9028	2591.34	
1/21/03 10:22:30 AM	1.9083	2591.38	
1/21/03 10:22:50 AM	1.9139	2591.46	
1/21/03 10:23:10 AM	1.9194	2591.29	
1/21/03 10:23:30 AM	1.9250	2591.46	
1/21/03 10:23:50 AM	1.9306	2591.52	
1/21/03 10:24:10 AM	1.9361	2591.55	
1/21/03 10:24:30 AM	1.9417	2591.54	
1/21/03 10:24:50 AM	1.9472	2591.62	
1/21/03 10:25:10 AM	1.9528	2591.63	
1/21/03 10:25:30 AM	1.9583	2591.64	
1/21/03 10:25:50 AM	1.9639	2591.70	
1/21/03 10:26:10 AM	1.9694	2591.66	
1/21/03 10:26:30 AM	1.9750	2591.73	
1/21/03 10:26:50 AM	1.9806	2591.79	
1/21/03 10:27:10 AM	1.9861	2591.78	
1/21/03 10:27:30 AM	1.9917	2591.78	
1/21/03 10:27:50 AM	1.9972	2591.86	
1/21/03 10:28:10 AM	2.0028	2591.84	
1/21/03 10:28:30 AM	2.0083	2591.90	
1/21/03 10:28:50 AM	2.0139	2591.91	
1/21/03 10:29:10 AM	2.0194	2591.90	
1/21/03 10:29:30 AM	2.0250	2591.96	
1/21/03 10:29:31 AM			START 6TH RATE @ 1200 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 10:29:50 AM	2.0306	2592.11
1/21/03 10:30:10 AM	2.0361	2591.88
1/21/03 10:30:30 AM	2.0417	2592.16
1/21/03 10:30:50 AM	2.0472	2592.02
1/21/03 10:31:10 AM	2.0528	2592.06
1/21/03 10:31:30 AM	2.0583	2592.36
1/21/03 10:31:50 AM	2.0639	2592.26
1/21/03 10:32:10 AM	2.0694	2592.23
1/21/03 10:32:30 AM	2.0750	2592.33
1/21/03 10:32:50 AM	2.0806	2592.44
1/21/03 10:33:10 AM	2.0861	2592.47
1/21/03 10:33:30 AM	2.0917	2592.39
1/21/03 10:33:50 AM	2.0972	2592.40
1/21/03 10:34:10 AM	2.1028	2592.48
1/21/03 10:34:30 AM	2.1083	2592.46
1/21/03 10:34:50 AM	2.1139	2592.54
1/21/03 10:35:10 AM	2.1194	2592.65
1/21/03 10:35:30 AM	2.1250	2592.65
1/21/03 10:35:50 AM	2.1306	2592.64
1/21/03 10:36:10 AM	2.1361	2592.69
1/21/03 10:36:30 AM	2.1417	2592.69
1/21/03 10:36:50 AM	2.1472	2592.76
1/21/03 10:37:10 AM	2.1528	2592.76
1/21/03 10:37:30 AM	2.1583	2592.85
1/21/03 10:37:50 AM	2.1639	2592.89
1/21/03 10:38:10 AM	2.1694	2592.82
1/21/03 10:38:30 AM	2.1750	2592.79
1/21/03 10:38:50 AM	2.1806	2592.85
1/21/03 10:39:10 AM	2.1861	2592.91
1/21/03 10:39:30 AM	2.1917	2592.92
1/21/03 10:39:50 AM	2.1972	2593.04
1/21/03 10:40:10 AM	2.2028	2593.06
1/21/03 10:40:30 AM	2.2083	2592.99
1/21/03 10:40:50 AM	2.2139	2593.02
1/21/03 10:41:10 AM	2.2194	2593.07
1/21/03 10:41:30 AM	2.2250	2593.11
1/21/03 10:41:50 AM	2.2306	2593.13
1/21/03 10:42:10 AM	2.2361	2593.18
1/21/03 10:42:30 AM	2.2417	2593.19
1/21/03 10:42:50 AM	2.2472	2593.09
1/21/03 10:43:10 AM	2.2528	2593.16
1/21/03 10:43:30 AM	2.2583	2593.26
1/21/03 10:43:50 AM	2.2639	2593.24
1/21/03 10:44:10 AM	2.2694	2593.24
1/21/03 10:44:30 AM	2.2750	2593.35
1/21/03 10:44:50 AM	2.2806	2593.46
1/21/03 10:45:00 AM	2.2833	2593.39
1/21/03 10:45:01 AM		

START 7TH RATE @ 1400 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 10:45:20 AM	2.2889	2593.67
1/21/03 10:45:40 AM	2.2944	2593.60
1/21/03 10:46:00 AM	2.3000	2593.68
1/21/03 10:46:20 AM	2.3056	2593.66
1/21/03 10:46:40 AM	2.3111	2593.65
1/21/03 10:47:00 AM	2.3167	2593.71
1/21/03 10:47:20 AM	2.3222	2593.74
1/21/03 10:47:40 AM	2.3278	2593.80
1/21/03 10:48:00 AM	2.3333	2593.86
1/21/03 10:48:20 AM	2.3389	2593.93
1/21/03 10:48:40 AM	2.3444	2593.88
1/21/03 10:49:00 AM	2.3500	2593.85
1/21/03 10:49:20 AM	2.3556	2593.89
1/21/03 10:49:40 AM	2.3611	2594.00
1/21/03 10:50:00 AM	2.3667	2593.97
1/21/03 10:50:20 AM	2.3722	2594.05
1/21/03 10:50:40 AM	2.3778	2594.08
1/21/03 10:51:00 AM	2.3833	2594.09
1/21/03 10:51:20 AM	2.3889	2594.06
1/21/03 10:51:40 AM	2.3944	2594.08
1/21/03 10:52:00 AM	2.4000	2594.11
1/21/03 10:52:20 AM	2.4056	2594.20
1/21/03 10:52:40 AM	2.4111	2594.19
1/21/03 10:53:00 AM	2.4167	2594.30
1/21/03 10:53:20 AM	2.4222	2594.32
1/21/03 10:53:40 AM	2.4278	2594.31
1/21/03 10:54:00 AM	2.4333	2594.24
1/21/03 10:54:20 AM	2.4389	2594.26
1/21/03 10:54:40 AM	2.4444	2594.29
1/21/03 10:55:00 AM	2.4500	2594.42
1/21/03 10:55:20 AM	2.4556	2594.38
1/21/03 10:55:40 AM	2.4611	2594.46
1/21/03 10:56:00 AM	2.4667	2594.47
1/21/03 10:56:20 AM	2.4722	2594.47
1/21/03 10:56:40 AM	2.4778	2594.45
1/21/03 10:57:00 AM	2.4833	2594.52
1/21/03 10:57:20 AM	2.4889	2594.58
1/21/03 10:57:40 AM	2.4944	2594.63
1/21/03 10:58:00 AM	2.5000	2594.63
1/21/03 10:58:20 AM	2.5056	2594.71
1/21/03 10:58:40 AM	2.5111	2594.68
1/21/03 10:59:00 AM	2.5167	2594.65
1/21/03 10:59:20 AM	2.5222	2594.93
1/21/03 10:59:40 AM	2.5278	2594.80
1/21/03 10:59:41 AM		
1/21/03 11:00:00 AM	2.5333	2595.02
1/21/03 11:00:20 AM	2.5389	2595.08
1/21/03 11:00:40 AM	2.5444	2595.10

START 8TH RATE @ 1600 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 11:01:00 AM	2.5500	2595.16
1/21/03 11:01:20 AM	2.5556	2595.16
1/21/03 11:01:40 AM	2.5611	2595.18
1/21/03 11:02:00 AM	2.5667	2595.23
1/21/03 11:02:20 AM	2.5722	2595.28
1/21/03 11:02:40 AM	2.5778	2595.31
1/21/03 11:03:00 AM	2.5833	2595.34
1/21/03 11:03:20 AM	2.5889	2595.37
1/21/03 11:03:40 AM	2.5944	2595.40
1/21/03 11:04:00 AM	2.6000	2595.45
1/21/03 11:04:20 AM	2.6056	2595.46
1/21/03 11:04:40 AM	2.6111	2595.51
1/21/03 11:05:00 AM	2.6167	2595.54
1/21/03 11:05:20 AM	2.6222	2595.58
1/21/03 11:05:40 AM	2.6278	2595.60
1/21/03 11:06:00 AM	2.6333	2595.64
1/21/03 11:06:20 AM	2.6389	2595.68
1/21/03 11:06:40 AM	2.6444	2595.69
1/21/03 11:07:00 AM	2.6500	2595.73
1/21/03 11:07:20 AM	2.6556	2595.75
1/21/03 11:07:40 AM	2.6611	2595.79
1/21/03 11:08:00 AM	2.6667	2595.82
1/21/03 11:08:20 AM	2.6722	2595.84
1/21/03 11:08:40 AM	2.6778	2595.88
1/21/03 11:09:00 AM	2.6833	2595.90
1/21/03 11:09:20 AM	2.6889	2595.91
1/21/03 11:09:40 AM	2.6944	2595.95
1/21/03 11:10:00 AM	2.7000	2595.98
1/21/03 11:10:20 AM	2.7056	2596.00
1/21/03 11:10:40 AM	2.7111	2596.04
1/21/03 11:11:00 AM	2.7167	2596.06
1/21/03 11:11:20 AM	2.7222	2596.10
1/21/03 11:11:40 AM	2.7278	2596.11
1/21/03 11:12:00 AM	2.7333	2596.13
1/21/03 11:12:20 AM	2.7389	2596.17
1/21/03 11:12:40 AM	2.7444	2596.20
1/21/03 11:13:00 AM	2.7500	2596.21
1/21/03 11:13:20 AM	2.7556	2596.25
1/21/03 11:13:40 AM	2.7611	2596.26
1/21/03 11:14:00 AM	2.7667	2596.30
1/21/03 11:14:20 AM	2.7722	2596.33
1/21/03 11:14:40 AM	2.7778	2596.32
1/21/03 11:14:50 AM	2.7806	2596.39
1/21/03 11:14:51 AM		
1/21/03 11:15:10 AM	2.7861	2596.64
1/21/03 11:15:30 AM	2.7917	2596.63
1/21/03 11:15:50 AM	2.7972	2596.66
1/21/03 11:16:10 AM	2.8028	2596.74

START 9TH RATE @ 1800 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 11:16:30 AM	2.8083	2596.79
1/21/03 11:16:50 AM	2.8139	2596.82
1/21/03 11:17:10 AM	2.8194	2596.91
1/21/03 11:17:30 AM	2.8250	2596.96
1/21/03 11:17:50 AM	2.8306	2597.01
1/21/03 11:18:10 AM	2.8361	2597.05
1/21/03 11:18:30 AM	2.8417	2597.08
1/21/03 11:18:50 AM	2.8472	2597.09
1/21/03 11:19:10 AM	2.8528	2597.11
1/21/03 11:19:30 AM	2.8583	2597.14
1/21/03 11:19:50 AM	2.8639	2597.18
1/21/03 11:20:10 AM	2.8694	2597.18
1/21/03 11:20:30 AM	2.8750	2597.22
1/21/03 11:20:50 AM	2.8806	2597.26
1/21/03 11:21:10 AM	2.8861	2597.27
1/21/03 11:21:30 AM	2.8917	2597.29
1/21/03 11:21:50 AM	2.8972	2597.36
1/21/03 11:22:10 AM	2.9028	2597.40
1/21/03 11:22:30 AM	2.9083	2597.44
1/21/03 11:22:50 AM	2.9139	2597.49
1/21/03 11:23:10 AM	2.9194	2597.55
1/21/03 11:23:30 AM	2.9250	2597.58
1/21/03 11:23:50 AM	2.9306	2597.58
1/21/03 11:24:10 AM	2.9361	2597.61
1/21/03 11:24:30 AM	2.9417	2597.62
1/21/03 11:24:50 AM	2.9472	2597.62
1/21/03 11:25:10 AM	2.9528	2597.65
1/21/03 11:25:30 AM	2.9583	2597.67
1/21/03 11:25:50 AM	2.9639	2597.70
1/21/03 11:26:10 AM	2.9694	2597.73
1/21/03 11:26:30 AM	2.9750	2597.78
1/21/03 11:26:50 AM	2.9806	2597.80
1/21/03 11:27:10 AM	2.9861	2597.83
1/21/03 11:27:30 AM	2.9917	2597.90
1/21/03 11:27:50 AM	2.9972	2597.94
1/21/03 11:28:10 AM	3.0028	2597.99
1/21/03 11:28:30 AM	3.0083	2598.03
1/21/03 11:28:50 AM	3.0139	2598.05
1/21/03 11:29:10 AM	3.0194	2598.05
1/21/03 11:29:30 AM	3.0250	2598.05
1/21/03 11:29:31 AM		START 10TH RATE @ 2000 BPD
1/21/03 11:29:50 AM	3.0306	2596.84
1/21/03 11:30:10 AM	3.0361	2597.59
1/21/03 11:30:30 AM	3.0417	2598.29
1/21/03 11:30:50 AM	3.0472	2598.37
1/21/03 11:31:10 AM	3.0528	2598.41
1/21/03 11:31:30 AM	3.0583	2598.44
1/21/03 11:31:50 AM	3.0639	2598.52

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 11:32:10 AM	3.0694	2598.56
1/21/03 11:32:30 AM	3.0750	2598.60
1/21/03 11:32:50 AM	3.0806	2598.66
1/21/03 11:33:10 AM	3.0861	2598.72
1/21/03 11:33:30 AM	3.0917	2598.73
1/21/03 11:33:50 AM	3.0972	2598.81
1/21/03 11:34:10 AM	3.1028	2598.85
1/21/03 11:34:30 AM	3.1083	2598.85
1/21/03 11:34:50 AM	3.1139	2598.90
1/21/03 11:35:10 AM	3.1194	2598.97
1/21/03 11:35:30 AM	3.1250	2598.96
1/21/03 11:35:50 AM	3.1306	2599.01
1/21/03 11:36:10 AM	3.1361	2599.06
1/21/03 11:36:30 AM	3.1417	2599.09
1/21/03 11:36:50 AM	3.1472	2599.13
1/21/03 11:37:10 AM	3.1528	2599.18
1/21/03 11:37:30 AM	3.1583	2599.18
1/21/03 11:37:50 AM	3.1639	2599.19
1/21/03 11:38:10 AM	3.1694	2599.29
1/21/03 11:38:30 AM	3.1750	2599.30
1/21/03 11:38:50 AM	3.1806	2599.31
1/21/03 11:39:10 AM	3.1861	2599.39
1/21/03 11:39:30 AM	3.1917	2599.40
1/21/03 11:39:50 AM	3.1972	2599.40
1/21/03 11:40:10 AM	3.2028	2599.48
1/21/03 11:40:30 AM	3.2083	2599.51
1/21/03 11:40:50 AM	3.2139	2599.50
1/21/03 11:41:10 AM	3.2194	2599.57
1/21/03 11:41:30 AM	3.2250	2599.62
1/21/03 11:41:50 AM	3.2306	2599.62
1/21/03 11:42:10 AM	3.2361	2599.68
1/21/03 11:42:30 AM	3.2417	2599.71
1/21/03 11:42:50 AM	3.2472	2599.71
1/21/03 11:43:10 AM	3.2528	2599.77
1/21/03 11:43:30 AM	3.2583	2599.83
1/21/03 11:43:50 AM	3.2639	2599.80
1/21/03 11:44:10 AM	3.2694	2599.87
1/21/03 11:44:30 AM	3.2750	2599.89
1/21/03 11:44:40 AM	3.2778	2599.92
1/21/03 11:44:41 AM		
1/21/03 11:45:00 AM	3.2833	2599.82
1/21/03 11:45:20 AM	3.2889	2600.23
1/21/03 11:45:40 AM	3.2944	2600.20
1/21/03 11:46:00 AM	3.3000	2600.30
1/21/03 11:46:20 AM	3.3056	2600.43
1/21/03 11:46:40 AM	3.3111	2600.47
1/21/03 11:47:00 AM	3.3167	2600.51
1/21/03 11:47:20 AM	3.3222	2600.59

START 11TH RATE @ 2200 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56739
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1/21/03 11:47:40 AM	3.3278	2600.59
1/21/03 11:48:00 AM	3.3333	2600.64
1/21/03 11:48:20 AM	3.3389	2600.71
1/21/03 11:48:40 AM	3.3444	2600.72
1/21/03 11:49:00 AM	3.3500	2600.76
1/21/03 11:49:20 AM	3.3556	2600.83
1/21/03 11:49:40 AM	3.3611	2600.85
1/21/03 11:50:00 AM	3.3667	2600.88
1/21/03 11:50:20 AM	3.3722	2600.95
1/21/03 11:50:40 AM	3.3778	2600.98
1/21/03 11:51:00 AM	3.3833	2601.01
1/21/03 11:51:20 AM	3.3889	2601.07
1/21/03 11:51:40 AM	3.3944	2601.08
1/21/03 11:52:00 AM	3.4000	2601.11
1/21/03 11:52:20 AM	3.4056	2601.20
1/21/03 11:52:40 AM	3.4111	2601.20
1/21/03 11:53:00 AM	3.4167	2601.22
1/21/03 11:53:20 AM	3.4222	2601.29
1/21/03 11:53:40 AM	3.4278	2601.31
1/21/03 11:54:00 AM	3.4333	2601.34
1/21/03 11:54:20 AM	3.4389	2601.39
1/21/03 11:54:40 AM	3.4444	2601.39
1/21/03 11:55:00 AM	3.4500	2601.42
1/21/03 11:55:20 AM	3.4556	2601.50
1/21/03 11:55:40 AM	3.4611	2601.52
1/21/03 11:56:00 AM	3.4667	2601.54
1/21/03 11:56:20 AM	3.4722	2601.59
1/21/03 11:56:40 AM	3.4778	2601.62
1/21/03 11:57:00 AM	3.4833	2601.63
1/21/03 11:57:20 AM	3.4889	2601.70
1/21/03 11:57:21 AM		END FINAL RATE, RAN OUT OF WATER
1/21/03 11:57:40 AM	3.4944	2600.90
1/21/03 11:58:00 AM	3.5000	2599.40
1/21/03 11:58:20 AM	3.5056	2599.42
1/21/03 11:58:40 AM	3.5111	2599.33
1/21/03 11:59:00 AM	3.5167	2599.21
1/21/03 11:59:20 AM	3.5222	2599.10
1/21/03 11:59:40 AM	3.5278	2598.98
1/21/03 12:00:00 PM	3.5333	2598.89
1/21/03 12:00:01 PM		OFF BOTTOM W/ GAUGES