

Logged In 3/17/04

Supervisor 3/17/04

DL

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PDL 04077 50067



POGO PRODUCING COMPANY

February 26, 2004

New Mexico Oil Conservation Division
Attn: Mr. David Catanach
2040 S. Pacheco
Santa Fe, NM 87505

RECEIVED

MAR 17 2004

OIL CONSERVATION
DIVISION

Re: River Bend Federal #8 SWD
Administrative Order SWD-619
440' FNL & 330' FWL
Section 23, T24S, R29E
Eddy County, NM
Step-Rate Test

30-015 28390

225

Gentlemen:

Pogo Producing Company respectfully requests an increase in the maximum allowable surface injection pressure from the current 800 PSI to 930 PSI.

This is based on a step-rate test performed on February 23, 2004 by Arc Pressure Data. A previous step-rate test was performed on January 21, 2003, which allowed Pogo to increase the maximum allowable surface injection pressure from 614 PSI to 800 PSI. But the step-rate test was not fully completed due to the pump truck running out of water before parting pressure was actually realized.

This time the test was completed and parting pressure was found to be 2633 PSI BHP and 937 PSI surface. Thus, based on the new data Pogo request the maximum allowable surface pressure increased to 930 PSI. 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



OPERATIONS LOG

COMPANY: POGO PRODUCING CO.
LEASE: RIVER BEND FED # 8SWD
FIELD (FORMATION): CEDAR CANYON (CHERRY CANYON)
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 1032

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 62130
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2/23/04 11:52:00 AM			START GAUGE # 1032
2/23/04 12:11:00 PM	622		IN LUBRICATOR WITH GAUGES
2/23/04 12:45:14 PM	617		ON BOTTOM WITH TEST
2/23/04 01:03:44 PM	617		BEGIN STEP RATE TEST
2/23/04 01:22:44 PM	631		END OF 1ST RATE-432 BBL/DAY
2/23/04 01:35:34 PM	655		END OF 2ND RATE-620 BBL/DAY
2/23/04 01:50:44 PM	658		END OF 3RD RATE-1867 BBL/DAY
2/23/04 02:03:14 PM	658		END OF 4TH RATE-1031 BBL/DAY
2/23/04 02:20:54 PM	678		END OF 5TH RATE-1153 BBL/DAY
2/23/04 02:34:24 PM	717		END OF 6TH RATE-1409 BBL/DAY
2/23/04 02:50:04 PM	754		END OF 7TH RATE-1607 BBL/DAY
2/23/04 03:05:54 PM	776		END OF 8TH RATE-1809 BBL/DAY
2/23/04 03:21:14 PM	811		END OF 9TH RATE-2008 BBL/DAY
2/23/04 03:32:04 PM	847		END OF 10TH RATE- 2225 BBL/DAY
2/23/04 03:50:44 PM	890		END OF 11TH RATE- 2412 BBL/DAY
2/23/04 04:00:00 PM	932		END OF 12TH RATE- 2615 BBL/DAY
2/23/04 04:19:14 PM	937		SAME RATE/2618 BBL/ DAY - SHUT DOWN DUE TO PUMP TRK

2/23/04 04:22:44 PM		RESUMED TEST
2/23/04 04:35:44 PM	980	END OF 13TH RATE-2796 BBL/DAY
2/23/04 04:51:04 PM	1020	END OF 14TH RATE-2938 BBL/DAY
2/23/04 05:05:14 PM	1105	END OF 15TH RATE-3276 BBL/DAY
2/23/04 05:21:04 PM	1140	END OF 16TH RATE-3369 BBL/DAY



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TEST DATES: 2/23/04 - 2/23/04
RUN DEPTH: 3757
INSTRUMENT: CT 1032

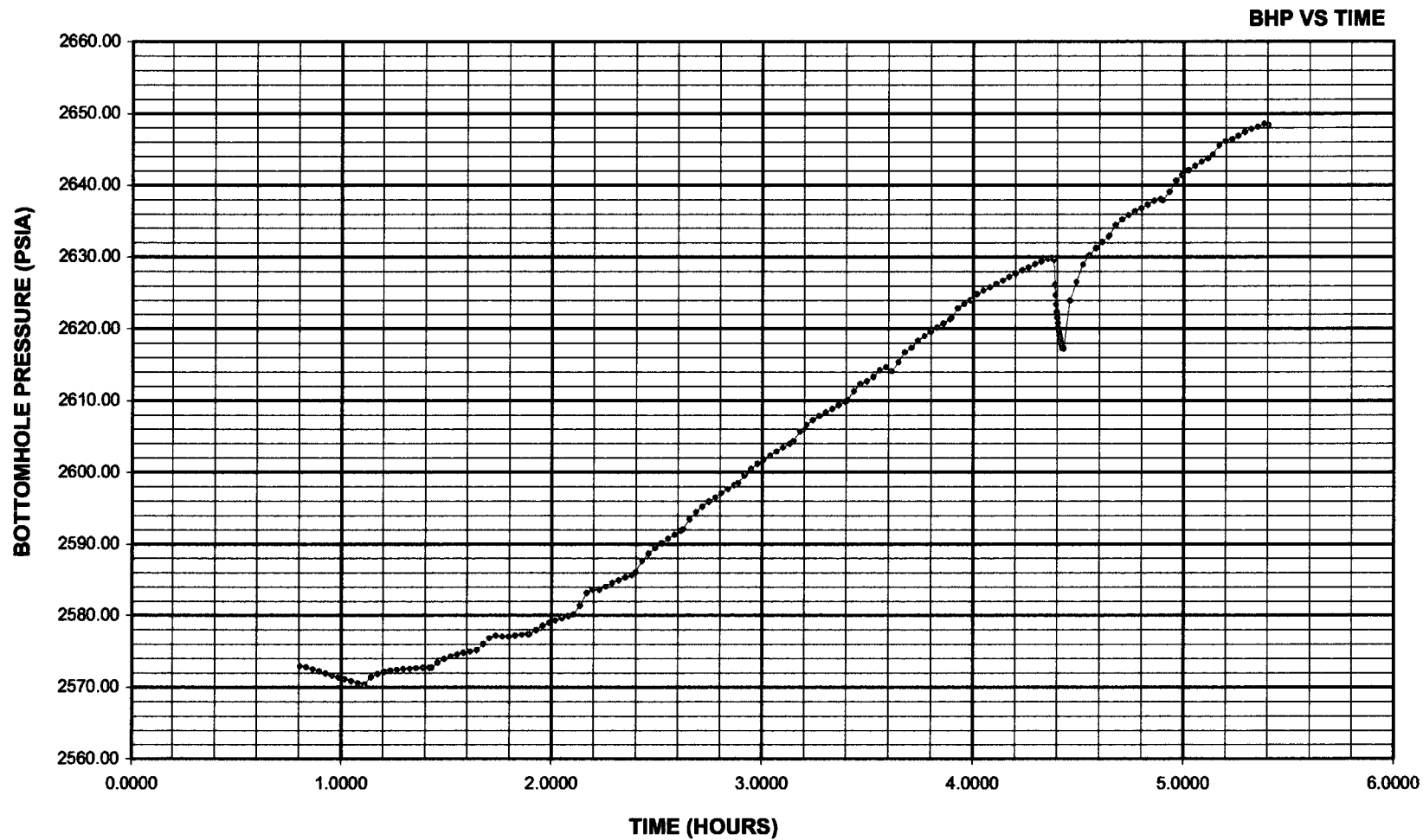
REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 62130
02/23/04 01:03:44 PM	1.1122	2570.53	617.00	0.00	
02/23/04 01:22:44 PM	1.4289	2572.79	631.00	432.00	
02/23/04 01:35:34 PM	1.6428	2575.24	655.00	620.00	
02/23/04 01:50:44 PM	1.8956	2577.49	658.00	867.00	
02/23/04 02:03:14 PM	2.1039	2580.25	658.00	1031.00	
02/23/04 02:20:54 PM	2.3983	2586.13	678.00	1153.00	
02/23/04 02:34:24 PM	2.6233	2592.16	717.00	1409.00	
02/23/04 02:50:04 PM	2.8844	2598.54	754.00	1607.00	
02/23/04 03:05:54 PM	3.1483	2604.45	776.00	1809.00	
02/23/04 03:21:14 PM	3.4039	2610.15	811.00	2008.00	
02/23/04 03:32:04 PM	3.5844	2614.72	847.00	2225.00	
02/23/04 03:50:44 PM	3.8956	2621.58	890.00	2412.00	
02/23/04 04:19:14 PM	4.3706	2629.97	937.00	2618.00	
02/23/04 04:35:44 PM	4.6456	2633.04	980.00	2796.00	
02/23/04 04:51:04 PM	4.9011	2637.96	1020.00	2938.00	
02/23/04 05:05:14 PM	5.1372	2644.34	1105.00	3276.00	
02/23/04 05:21:04 PM	5.4011	2648.47	1140.00	3369.00	



COMPANY: POGO PRODUCING CO.
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JOB # 62130
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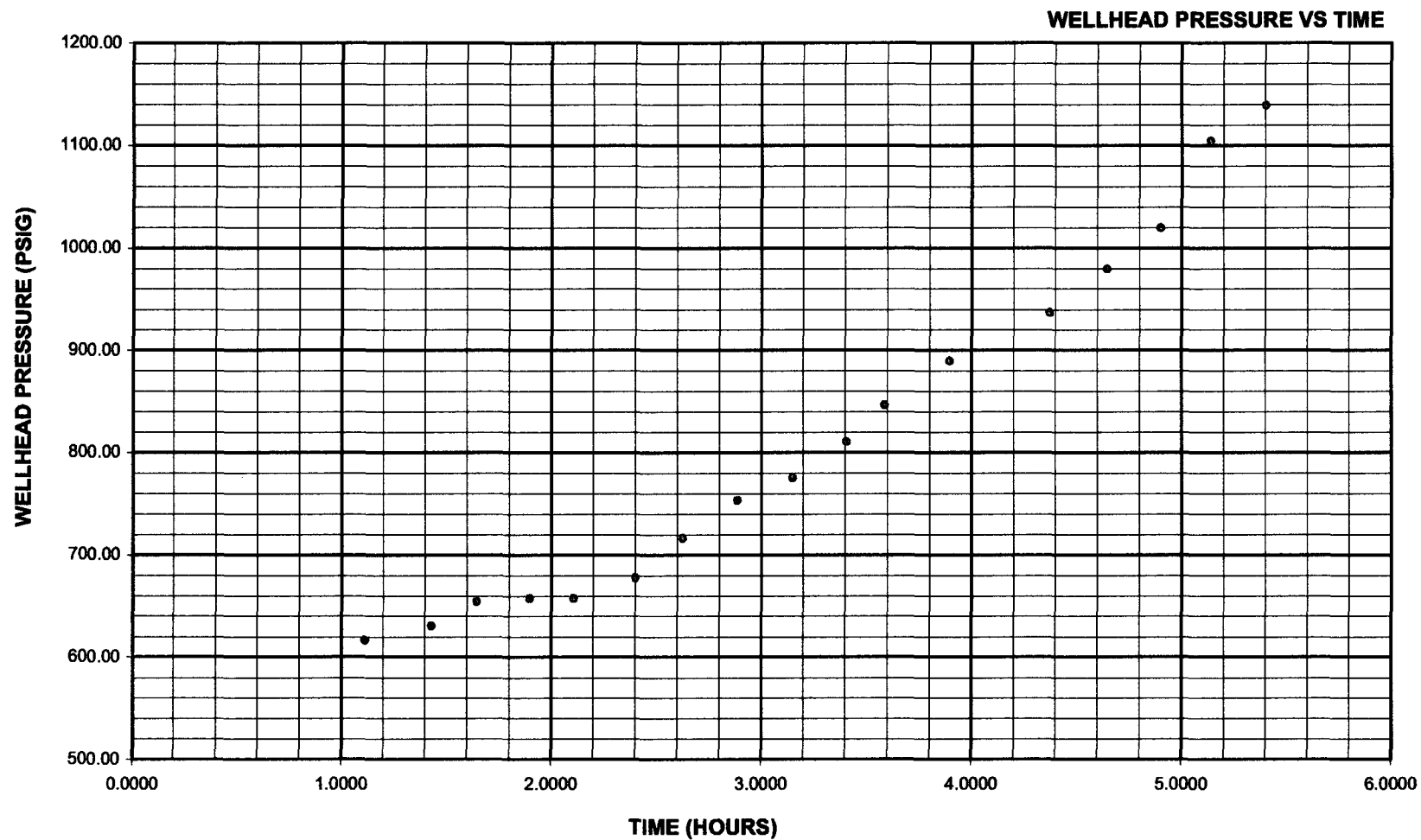




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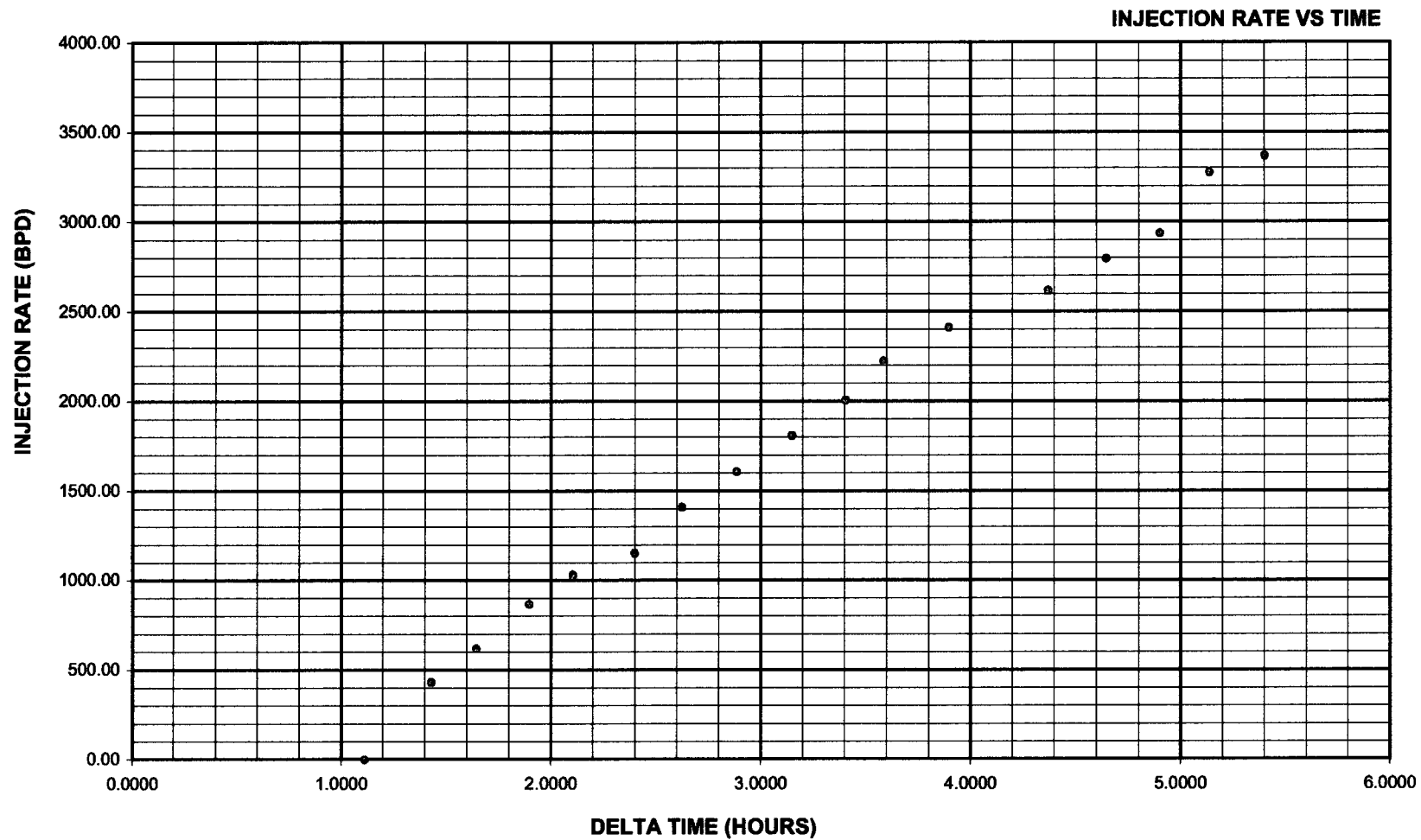




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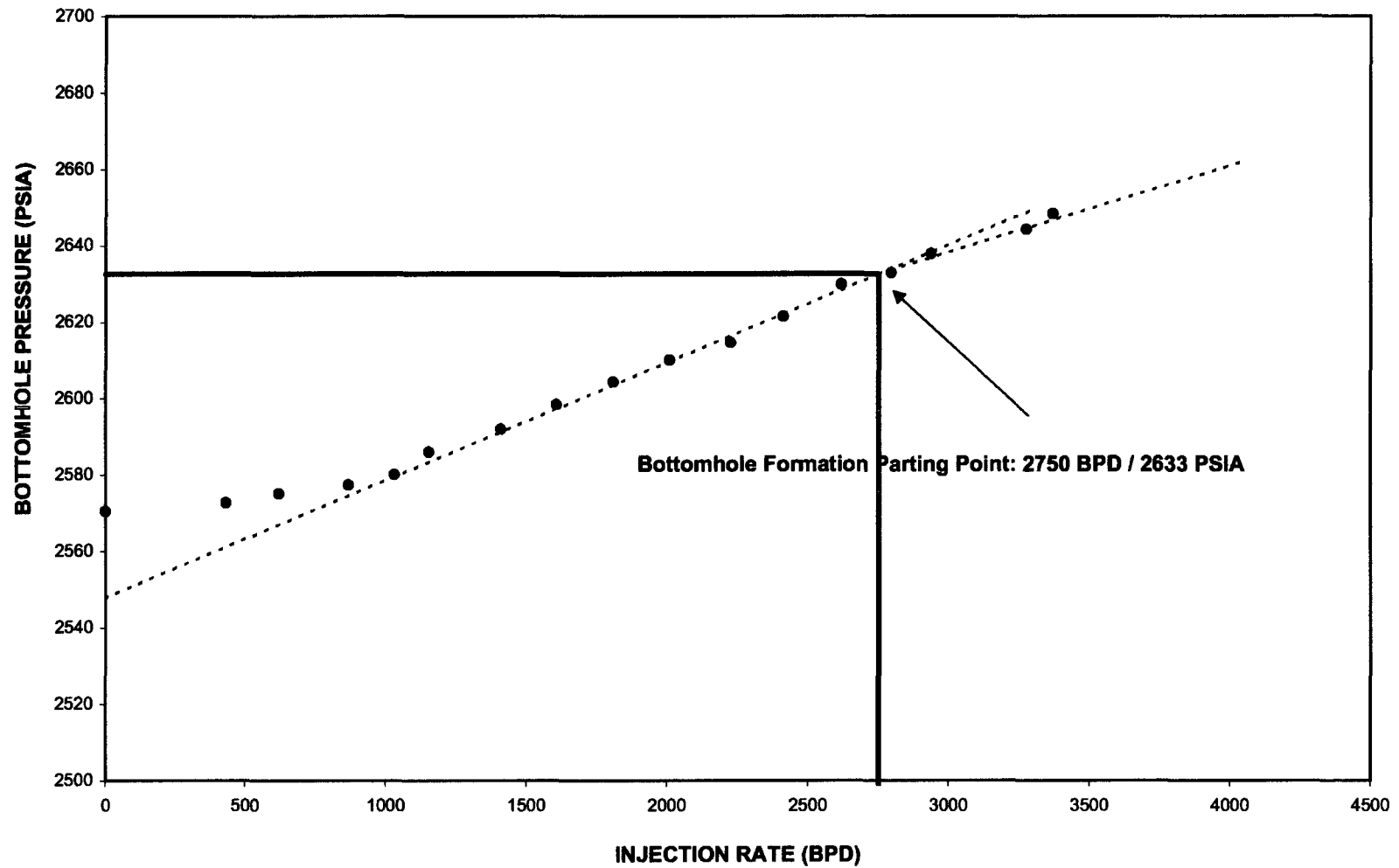


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STEP-RATE TEST - BHP VS. INJECTION RATE





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