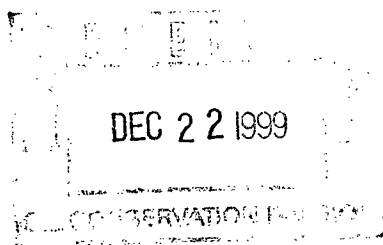


1 P1-128 N/R



December 20, 1999



WISER

New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Atten: David Catanach

Re: Injection Pressure Limits
Caprock Maljamar Unit

Mr. Catanach,

Attached are step rate test data for six Caprock Maljamar Unit injection wells (seven additional tests are scheduled and will be forwarded to you as soon as possible). Wiser proposes that these data, along with seven previously tested wells, be used to set allowable injection pressures as follows:

<u>Test Well</u>	<u>Adjacent Wells</u>	<u>Frac Pressure - 50#</u>
- #4	#5 and 10	2434 ✓
#7	#1 and 2	TBD
#9*	#3 and 260	2550
#12	#6 and 22	TBD
#21*	#31 and 32	2545
- #24	#14 and 23	2565 ✓
#25	#36 and 37	TBD
- #28	#18 and 29	2432 ✓
#30*	#19 and 20	2622
#49*	#35 and 48	2550
#52	#38 and 39	TBD
#54	#42 and 55	TBD
#56	#70 and 71	TBD
#58*	#44 and 45	2537
- #69	#68 and 82	2606 2510
- #79	#66 and 67	2542 ✓
- #83	#82 and 84	2515 ✓
#91*	#93 and 94	2760

1-3-00
CALLED MATT TO
DISCUS PREVIOUS TEST
DATA. HE SENT LETTER
OF EXPLANATION. WON'T
RECEIVED YET. MW

The Wiser Oil Company

8115 Preston Road / Suite 400 / Dallas, Texas 75225 / Tel: 214 265 0080 / Fax: 214 373-3610 / Web: <http://www.wiseroil.com>

#263	#80	TBD
#267*	#265 and 266	2570

* previously tested

As seen in the attached map, the test wells are spread throughout the developed portion of the unit. If you have any questions please call me at (214) 360-3580.

Sincerely,

A handwritten signature in black ink that reads "Matt Eagleston". The signature is written in a cursive, flowing style with a long horizontal line extending from the end of the name.

Matt Eagleston
Project Engineer

attachments

ARC

PRESSURE DATA

INCORPORATED

COMPANY: THE WISER OIL CO.
 LEASE: CMU 'C' # 4
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

TEST DATES: 11/5/99 - 11/5/99
 RUN DEPTH: 4237'
 INSTRUMENT: 45010

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08317
11/5/99 10:55:00 AM	0.4750	2767.00	842.00	0.00	
11/5/99 11:02:30 AM	0.6000	2765.02	842.00	0.00	
11/5/99 11:15:30 AM	0.8167	3053.45	1127.00	300.00	
11/5/99 11:30:30 AM	1.0667	3229.19	1276.00	375.00	
11/5/99 11:45:30 AM	1.3167	3396.61	1425.00	450.00	
11/5/99 12:00:30 PM	1.5667	3540.04	1562.00	525.00	
11/5/99 12:15:30 PM	1.8167	3680.56	1702.00	600.00	
11/5/99 12:30:30 PM	2.0667	3801.89	1829.00	675.00	
11/5/99 12:45:30 PM	2.3167	3906.95	1938.00	750.00	
11/5/99 01:00:30 PM	2.5667	4002.65	2037.00	825.00	
11/5/99 01:15:30 PM	2.8167	4087.41	2126.00	900.00	
11/5/99 01:30:30 PM	3.0667	4166.95	2288.00	975.00	
11/5/99 01:45:30 PM	3.3167	4234.73	2423.00	1050.00	
11/5/99 02:00:30 PM	3.5667	4289.41	2479.00	1125.00	
11/5/99 02:15:30 PM	3.8167	4331.40	2521.00	1200.00	
11/5/99 02:30:30 PM	4.0667	4366.40	2574.00	1275.00	
11/5/99 02:45:30 PM	4.3167	4392.89	2561.00	1350.00	
11/5/99 03:00:30 PM	4.5667	4422.49	2634.00	1425.00	
11/5/99 03:15:30 PM	4.8167	4447.09	2671.00	1500.00	

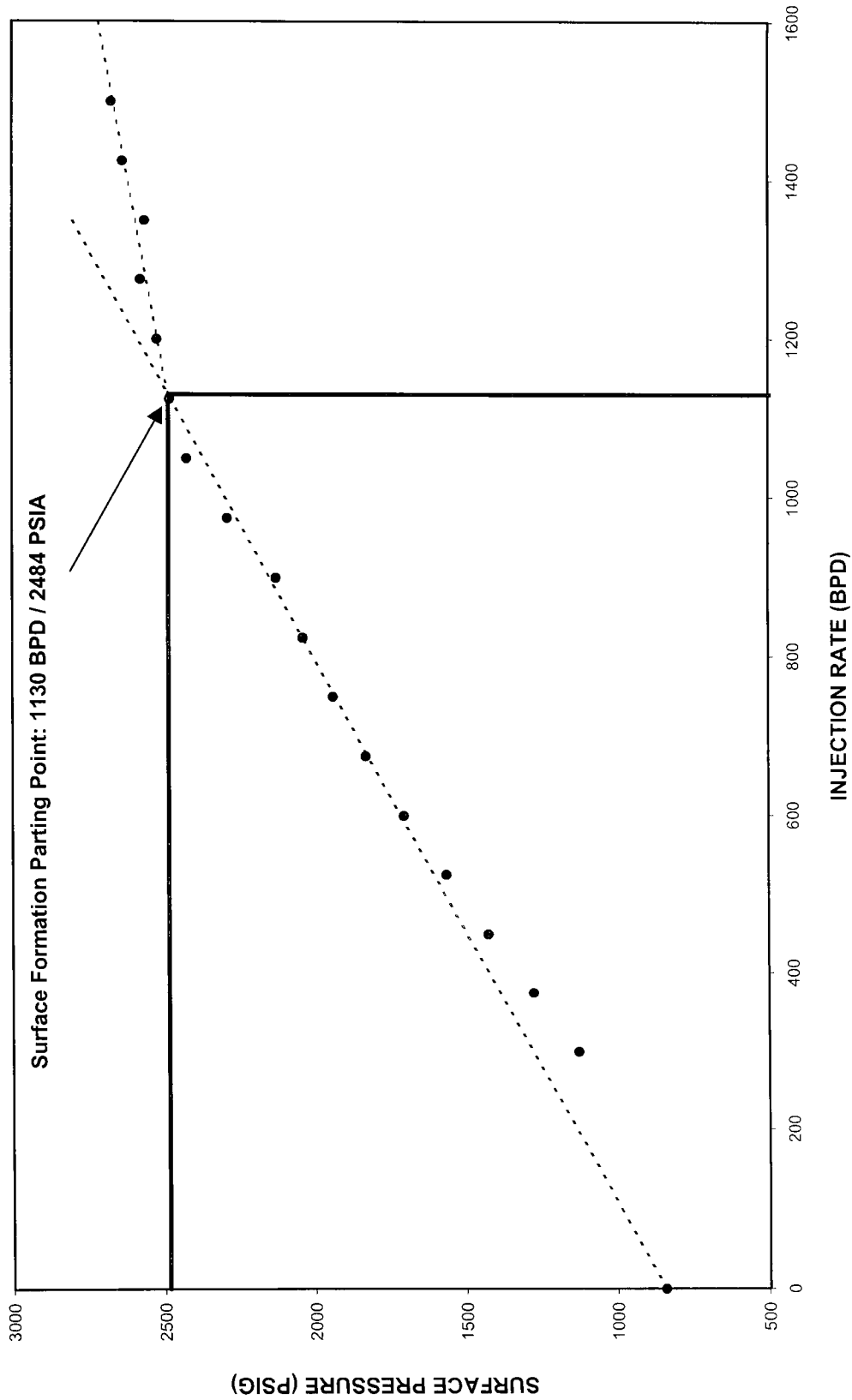


COMPANY: THE WISER OIL CO.
LEASE: CMU 'C'
WELL NUMBER: 4

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB # 08317
TEST DATE: 11/5/99 - 11/5/99

STEP-RATE TEST - WHP VS. INJECTION RATE



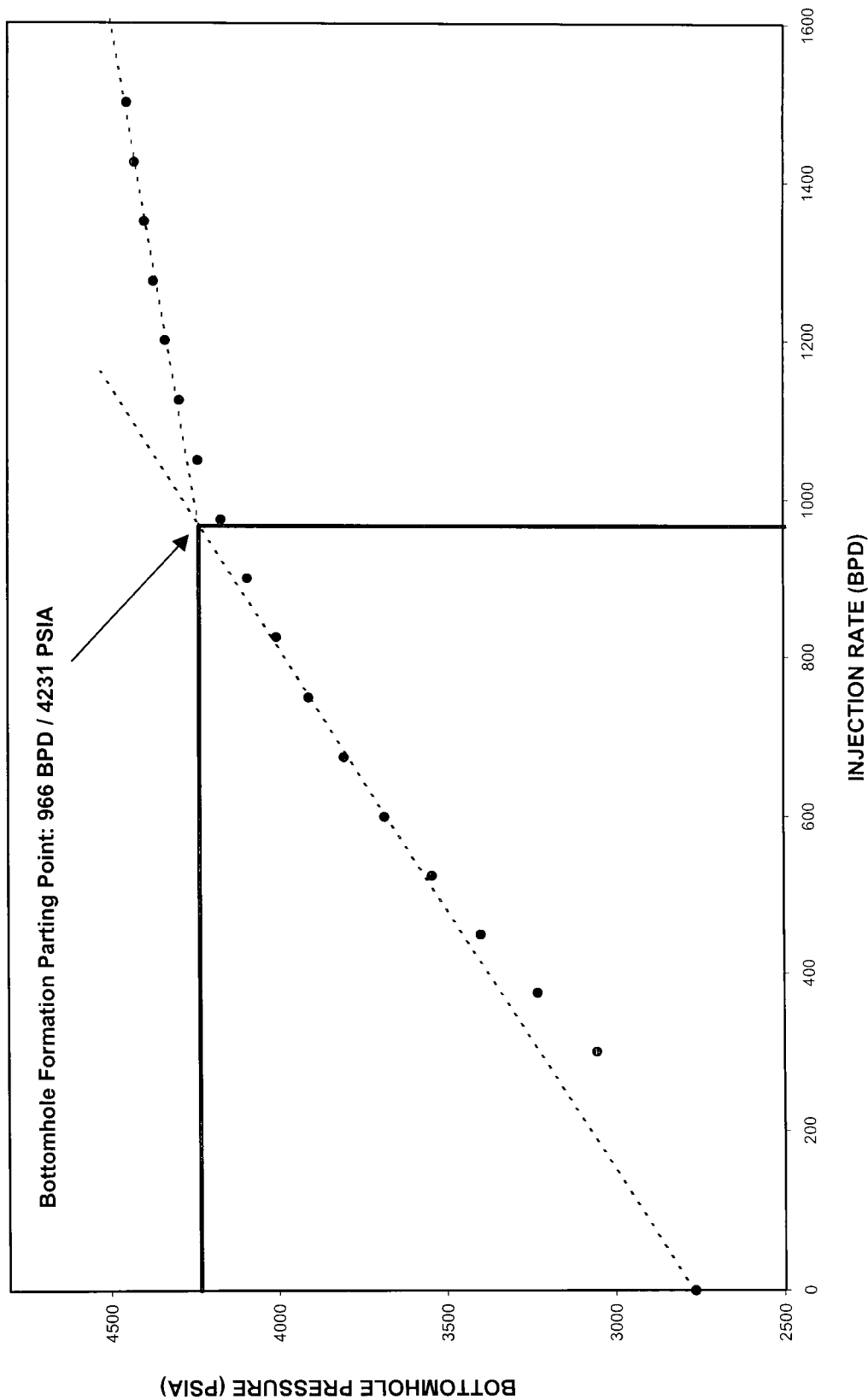


COMPANY: THE WISER OIL CO.
LEASE: CMU 'C'
WELL NUMBER: 4

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB #: 08317
TEST DATE: 11/5/99

STEP-RATE TEST - BHP VS. INJECTION RATE



ARC

PRESSURE DATA

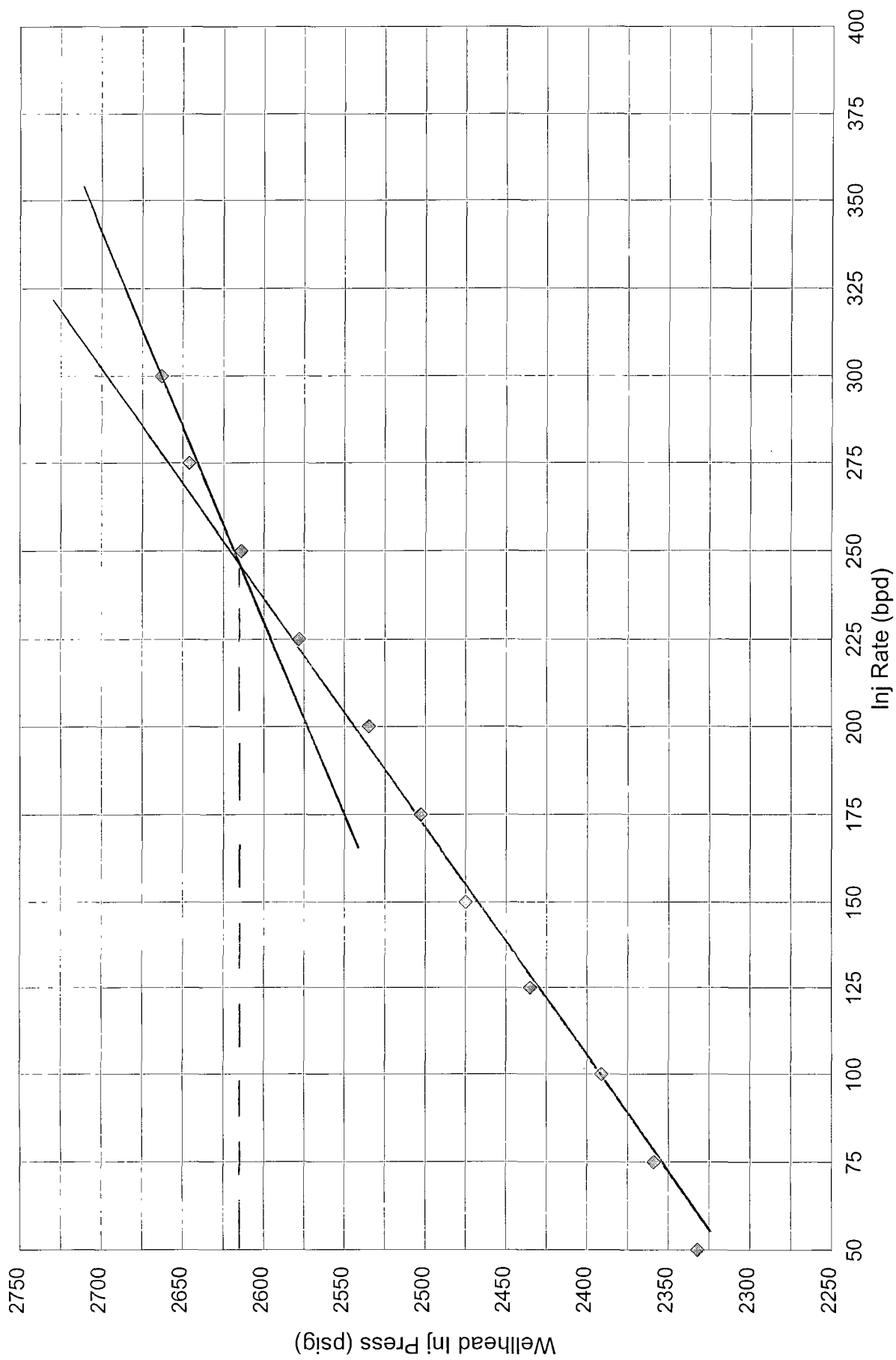
INCORPORATED

COMPANY: THE WISER OIL CO.
 LEASE: CMU 'P' # 24
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

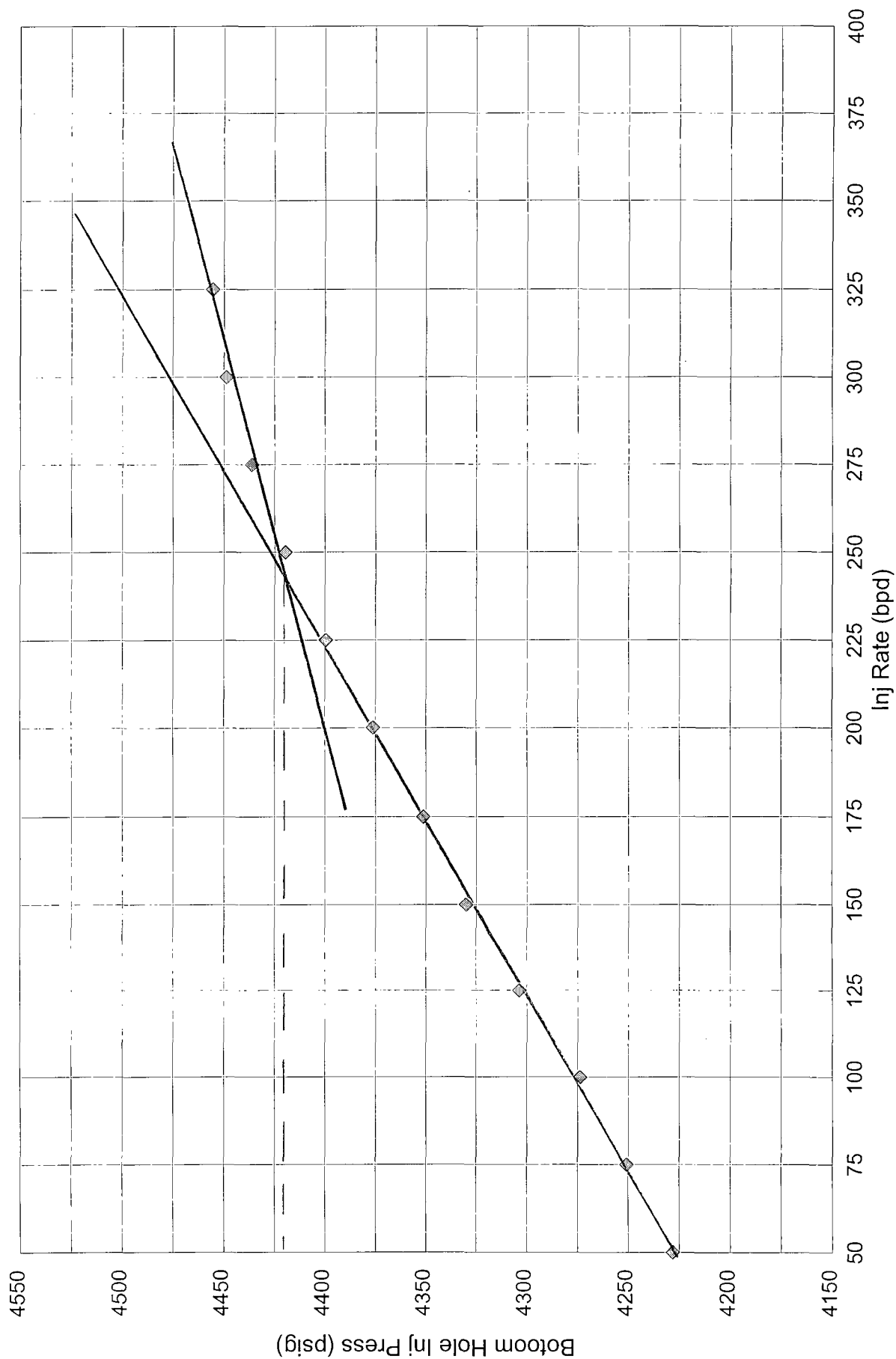
TEST DATES: 10/19/99 - 10/19/99
 RUN DEPTH: 4124'
 INSTRUMENT: 40007

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08200
10/19/99 12:22:30 PM	1.6750	4200.90	2301.00	25.00	
10/19/99 12:38:30 PM	1.9417	4228.11	2332.00	50.00	
10/19/99 12:52:30 PM	2.1750	4250.72	2359.00	75.00	
10/19/99 01:06:30 PM	2.4083	4273.68	2391.00	100.00	
10/19/99 01:22:00 PM	2.6667	4303.72	2435.00	125.00	
10/19/99 01:38:00 PM	2.9333	4330.11	2475.00	150.00	
10/19/99 01:51:30 PM	3.1583	4351.24	2503.00	175.00	
10/19/99 02:09:30 PM	3.4583	4376.15	2535.00	200.00	
10/19/99 02:24:30 PM	3.7083	4399.51	2578.00	225.00	
10/19/99 02:38:00 PM	3.9333	4419.58	2614.00	250.00	
10/19/99 02:53:00 PM	4.1833	4436.19	2646.00	275.00	
10/19/99 03:06:30 PM	4.4083	4448.66	2663.00	300.00	
10/19/99 03:25:00 PM	4.7167	4455.50		325.00	

Caprock Maljamar Unit #24 Step Rate Test



Caprock Majamar Unit #24 Step Rate Test





COMPANY: THE WISER OIL CO.
 LEASE: CMU 'P' # 28
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

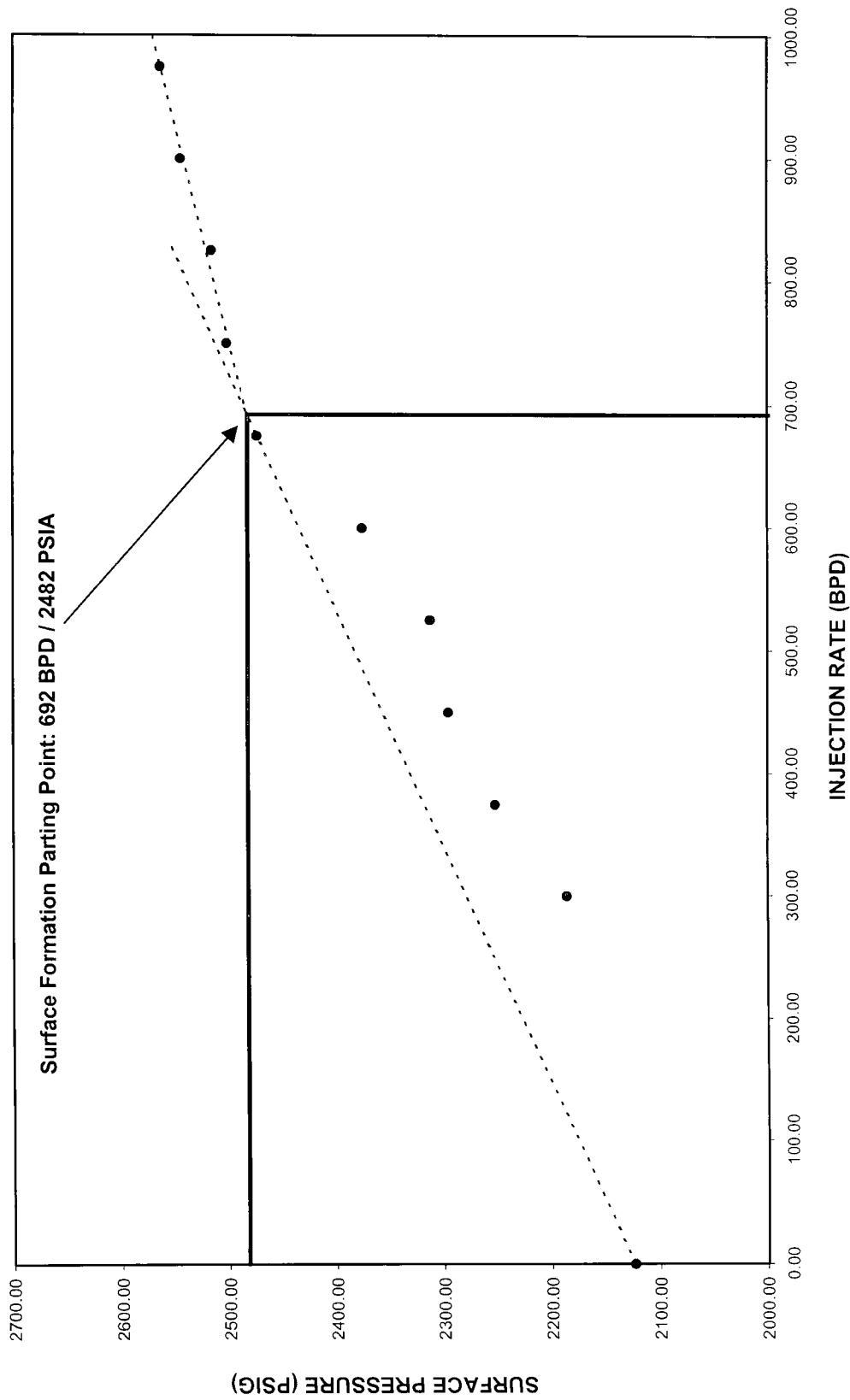
TEST DATES: 11/4/99 - 11/4/99
 RUN DEPTH: 4350'
 INSTRUMENT: T-16

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08308
11/4/99 02:44:00 PM	0.6000	4143.21	2123.00	0.00	
11/4/99 03:01:00 PM	0.8833	4144.36	2123.00	0.00	
11/4/99 03:14:30 PM	1.1083	4209.07	2186.00	300.00	
11/4/99 03:30:30 PM	1.3750	4249.71	2252.00	375.00	
11/4/99 03:44:30 PM	1.6083	4275.26	2295.00	450.00	
11/4/99 03:59:30 PM	1.8583	4301.53	2312.00	525.00	
11/4/99 04:14:30 PM	2.1083	4312.21	2375.00	600.00	
11/4/99 04:29:30 PM	2.3583	4334.68	2473.00	675.00	
11/4/99 04:43:30 PM	2.5917	4349.19	2501.00	750.00	
11/4/99 04:58:30 PM	2.8417	4358.00	2515.00	825.00	
11/4/99 05:14:30 PM	3.1083	4378.12	2544.00	900.00	
11/4/99 05:28:30 PM	3.3417	4387.42	2563.00	975.00	



COMPANY:	THE WISER OIL CO.	FIELD:	CAPROCK MALJAMAR UNIT	JOB #	08308
LEASE:	CMU 'P'	COUNTY:	LEA	TEST DATE:	11/4/99
WELL NUMBER:	28	STATE:	NM		11/4/99

STEP-RATE TEST - WHP VS. INJECTION RATE



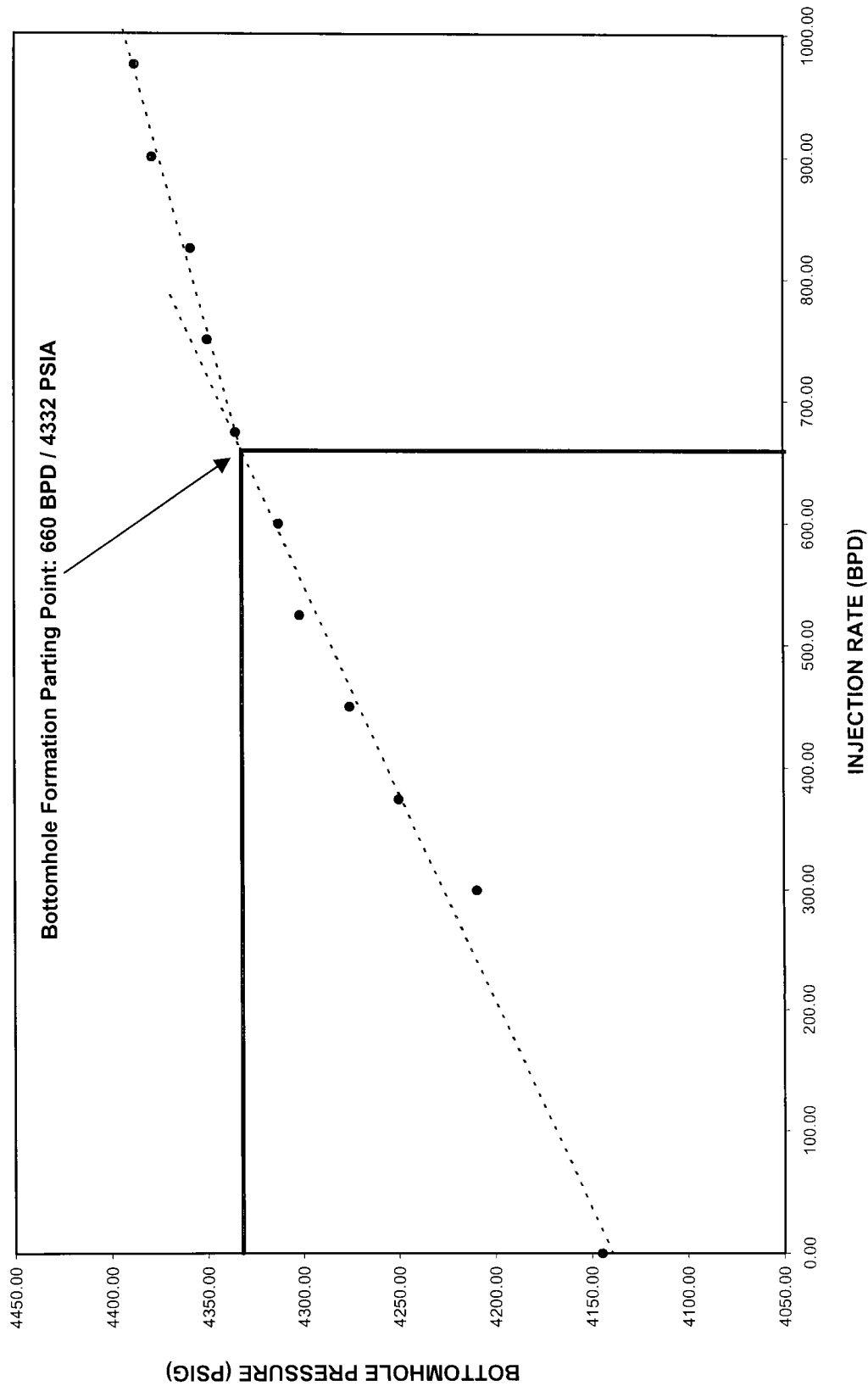


COMPANY: THE WISER OIL CO.
LEASE: CMU 'P'
WELL NUMBER: 28

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB #: 08308
TEST DATE: 11/4/99
11/4/99

STEP-RATE TEST - BHP VS. INJECTION RATE



ARC

PRESSURE DATA

INCORPORATED

COMPANY: THE WISER OIL CO.
 LEASE: CMU # 69
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

TEST DATES: 11/11/99 - 11/11/99
 RUN DEPTH: 4189
 INSTRUMENT: T-16

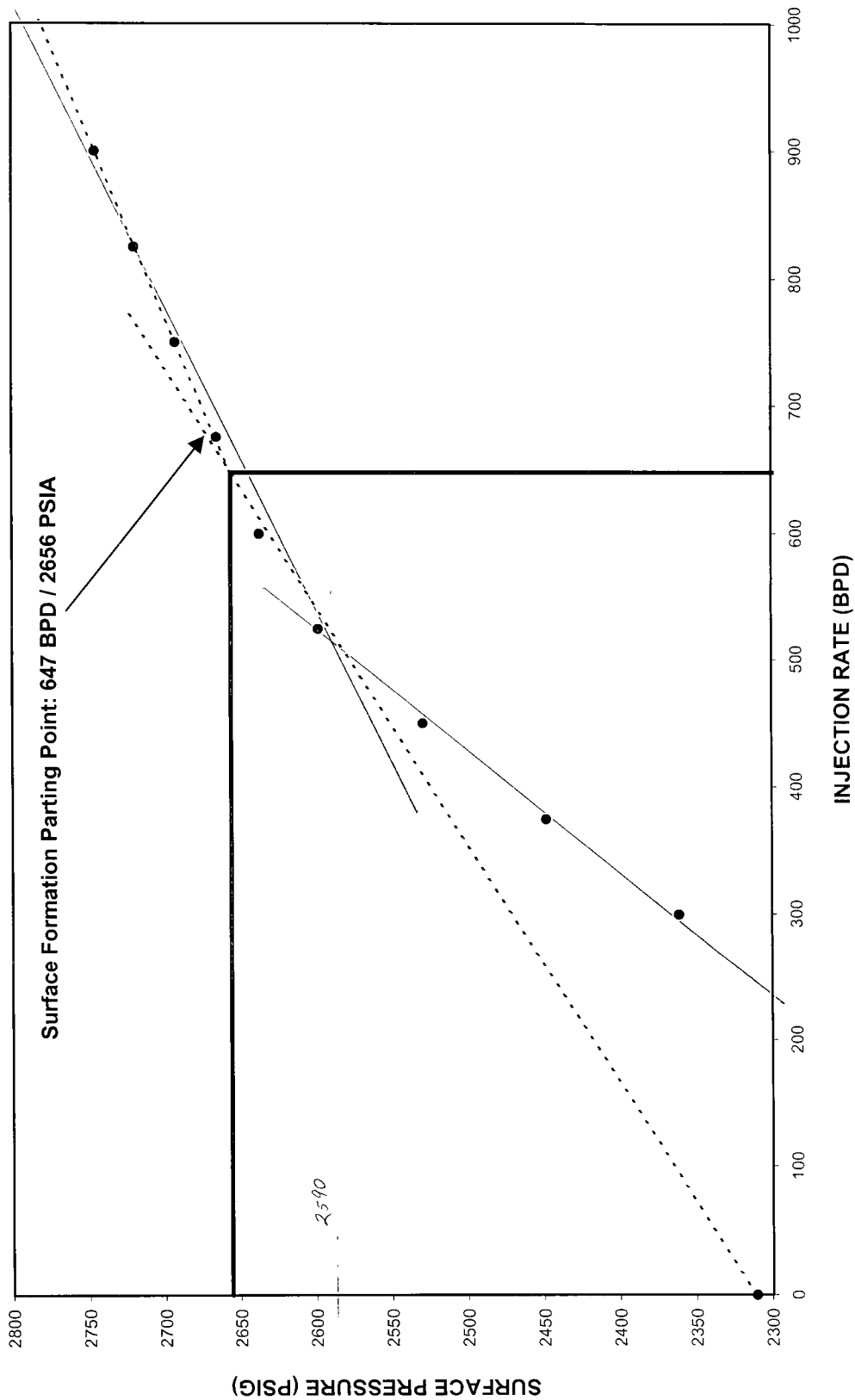
REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08335
11/11/99 10:29:00 AM	0.4667	4231.10	2310.00	0.00	
11/11/99 10:45:00 AM	0.7333	4226.69	2310.00	0.00	
11/11/99 11:00:00 AM	0.9833	4272.01	2361.00	300.00	
11/11/99 11:15:00 AM	1.2333	4331.59	2448.00	375.00	
11/11/99 11:30:00 AM	1.4833	4371.70	2529.00	450.00	
11/11/99 11:45:00 AM	1.7333	4410.20	2598.00	525.00	
11/11/99 12:00:00 PM	1.9833	4445.36	2637.00	600.00	
11/11/99 12:15:00 PM	2.2333	4471.51	2665.00	675.00	
11/11/99 12:30:00 PM	2.4833	4498.37	2692.00	750.00	
11/11/99 12:45:00 PM	2.7333	4523.14	2719.00	825.00	
11/11/99 01:00:00 PM	2.9833	4545.16	2745.00	900.00	



COMPANY: THE WISER OIL CO. FIELD: CAPROCK MALJAMAR UNIT JOB # 08335 TEST DATE: 11/11/99 11/11/99
LEASE: CMU COUNTY: LEA STATE: NM

WELL NUMBER: 69

STEP-RATE TEST - WHP VS. INJECTION RATE



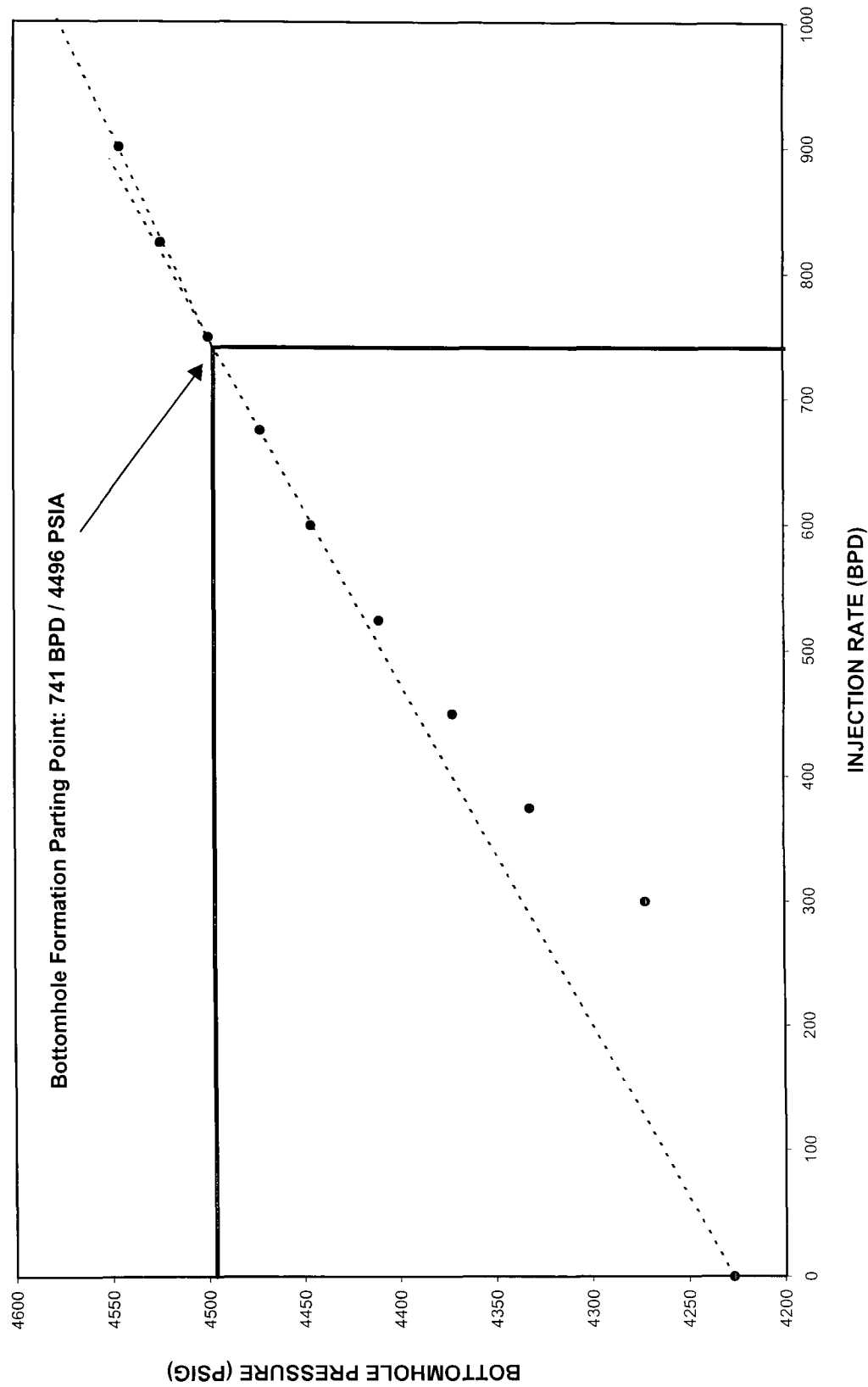


COMPANY: THE WISER OIL CO.
LEASE: CMU
WELL NUMBER: 69

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB # 08335
TEST DATE: 11/11/99 - 11/11/99

STEP-RATE TEST - BHP VS. INJECTION RATE



ARC

PRESSURE DATA

INCORPORATED

COMPANY: THE WISER OIL CO.
 LEASE: CMU 'O' # 79
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

TEST DATES: 11/8/99 - 11/8/99
 RUN DEPTH: 4149'
 INSTRUMENT: T-16

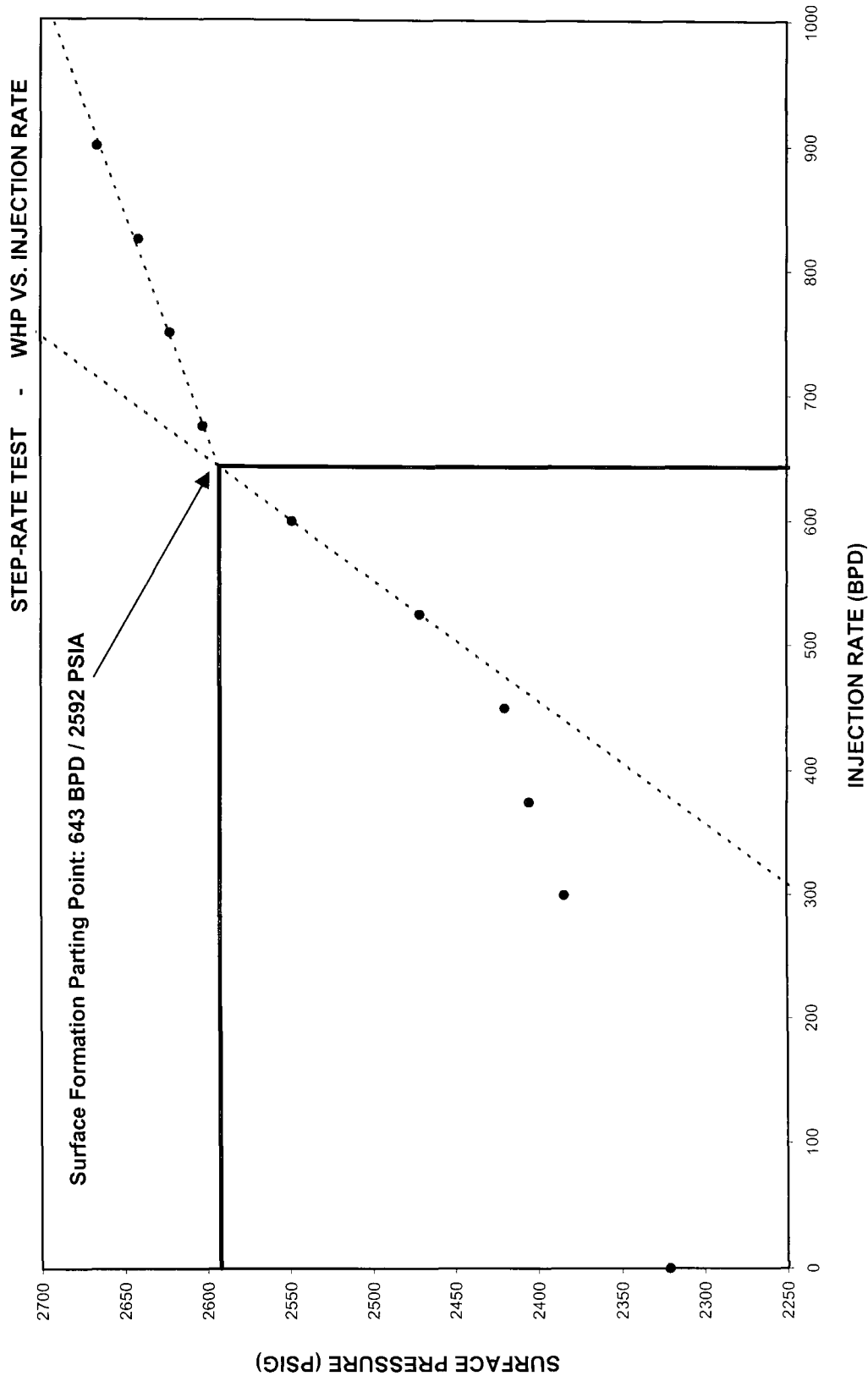
REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08312
11/8/99 11:26:00 AM	2.0333	4216.96	2321.00	0.00	
11/8/99 11:31:30 AM	2.1250	4219.46	2321.00	0.00	
11/8/99 11:44:00 AM	2.3333	4280.50	2384.00	300.00	
11/8/99 11:58:30 AM	2.5750	4307.41	2405.00	375.00	
11/8/99 12:14:00 PM	2.8333	4327.98	2420.00	450.00	
11/8/99 12:29:30 PM	3.0917	4352.05	2471.00	525.00	
11/8/99 12:44:00 PM	3.3333	4375.75	2548.00	600.00	
11/8/99 01:00:00 PM	3.6000	4395.34	2602.00	675.00	
11/8/99 01:14:30 PM	3.8417	4410.88	2622.00	750.00	
11/8/99 01:29:00 PM	4.0833	4427.26	2641.00	825.00	
11/8/99 01:44:00 PM	4.3333	4444.59	2666.00	900.00	



COMPANY: THE WISER OIL CO.
LEASE: CMU 'O'
WELL NUMBER: 79

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB # 08312
TEST DATE: 11/8/99 - 11/8/99



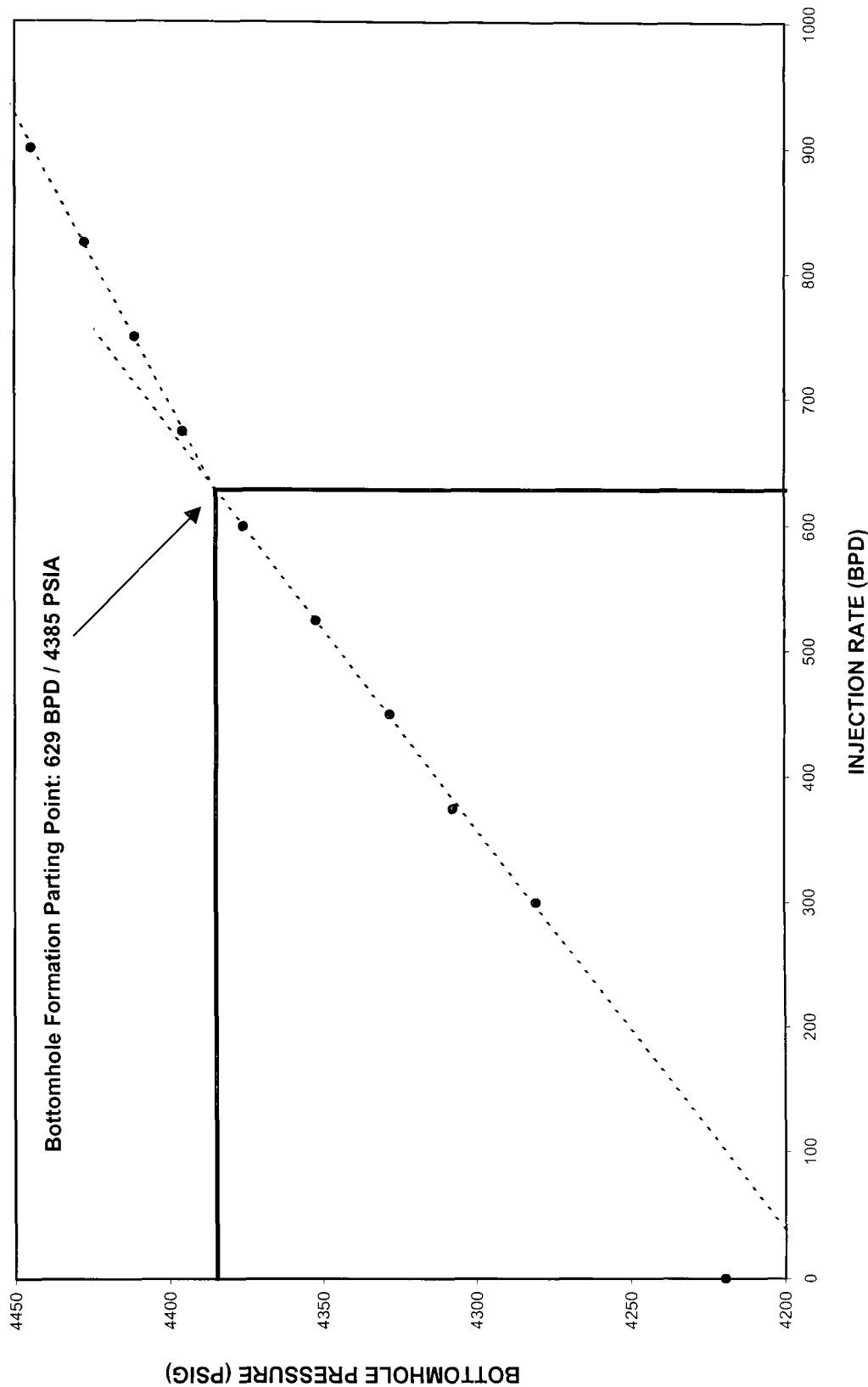


COMPANY: THE WISER OIL CO.
LEASE: CMU 'O'
WELL NUMBER: 79

FIELD: CAPROCK MALJAMAR UNIT
COUNTY: LEA
STATE: NM

JOB #: 08312
TEST DATE: 11/8/99 - 11/8/99

STEP-RATE TEST - BHP VS. INJECTION RATE



ARC

PRESSURE DATA

INCORPORATED

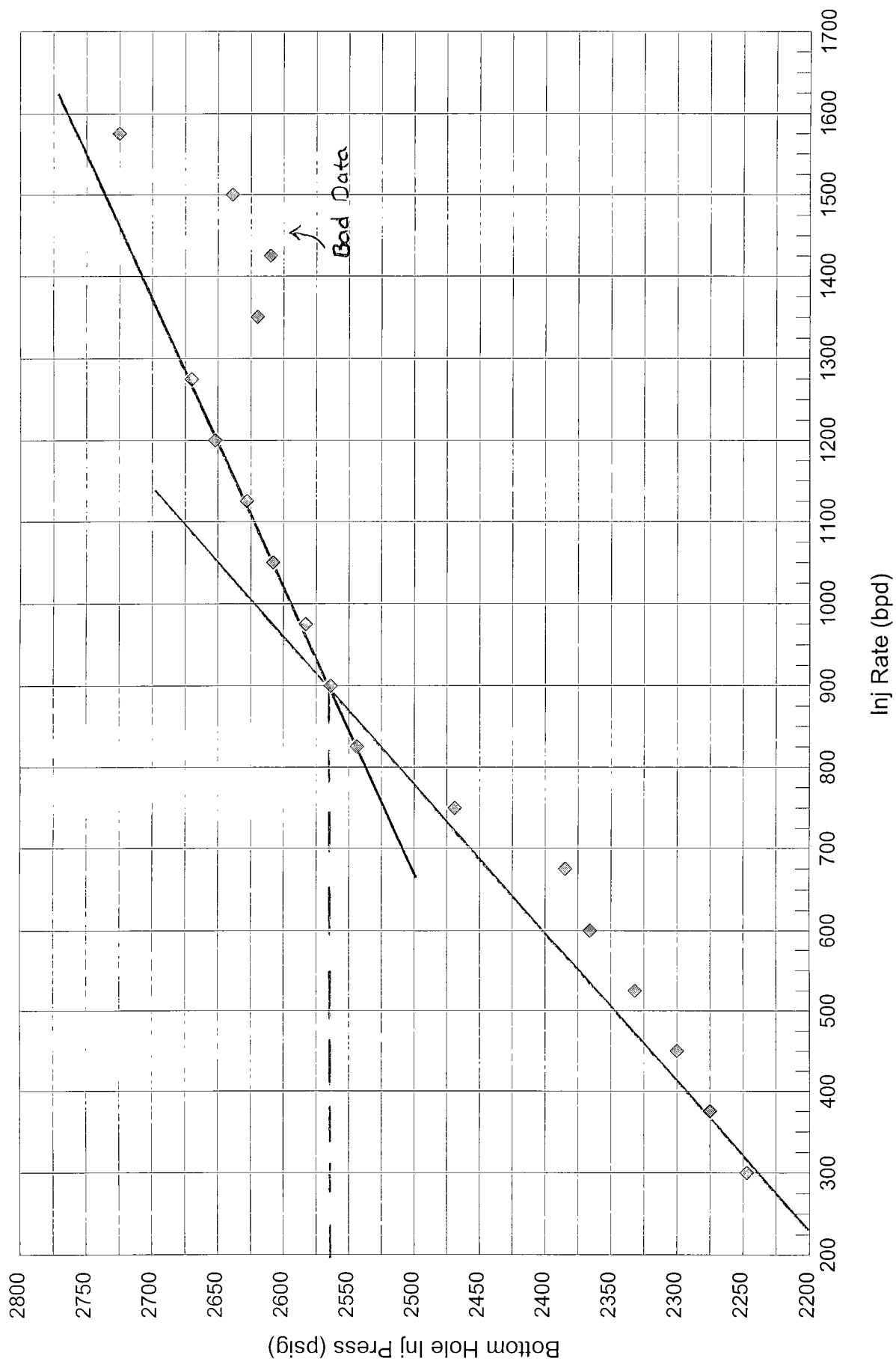
COMPANY: THE WISER OIL CO.
 LEASE: CMU 'O' # 83
 FIELD (FORMATION): CAPROCK MALJAMAR UNIT (GRAYBURG)
 COUNTY: LEA
 STATE: NM

TEST DATES: 11/9/99 - 11/9/99
 RUN DEPTH: 4368
 INSTRUMENT: 40008

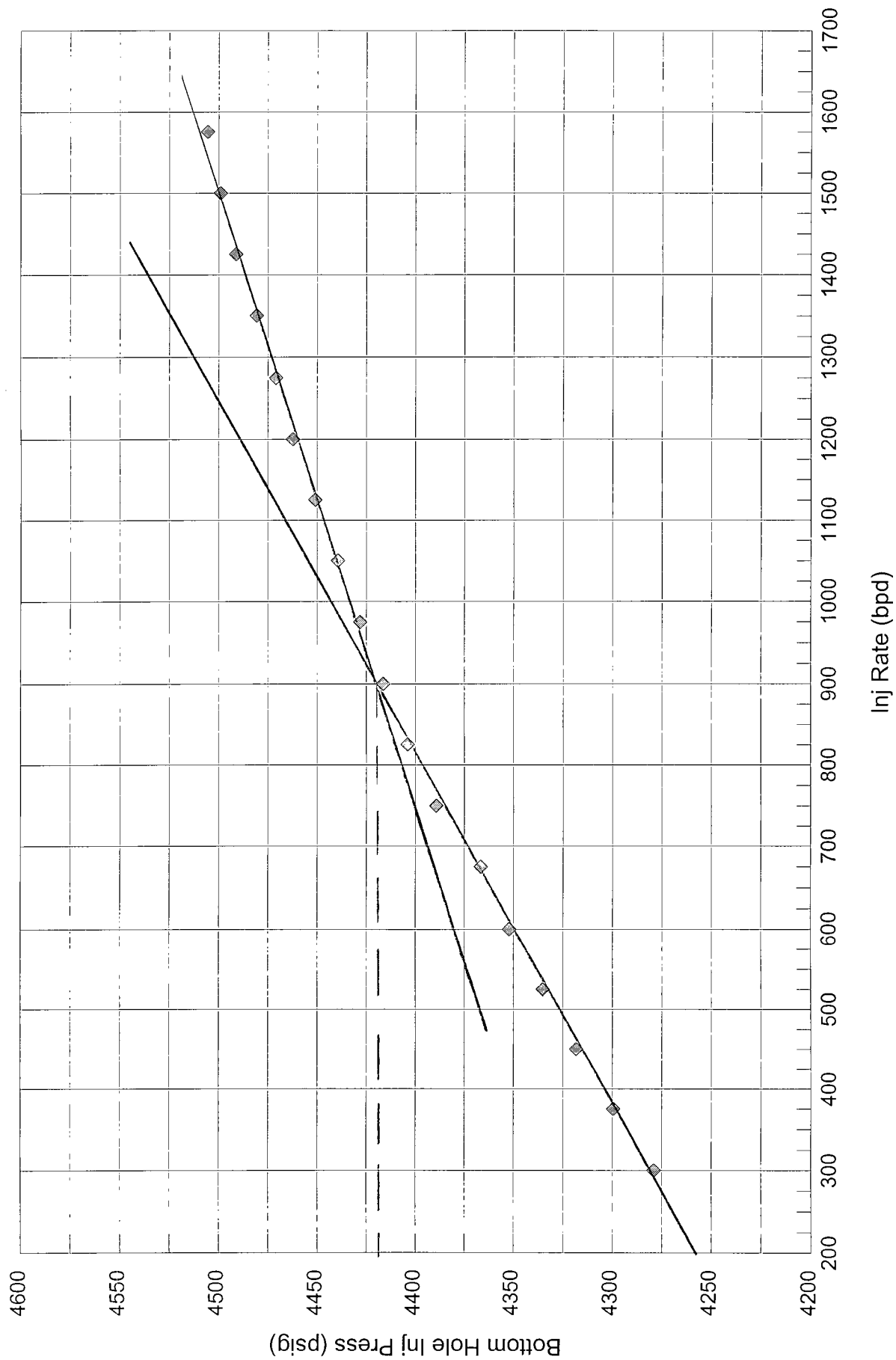
REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 08322
11/9/99 09:25:00 AM	0.4500	4242.75	2202.00	0.00	
11/9/99 09:46:00 AM	0.8000	4241.01	2202.00	0.00	
11/9/99 10:00:30 AM	1.0417	4278.86	2247.00	300.00	
11/9/99 10:15:30 AM	1.2917	4299.40	2273.00	375.00	
11/9/99 10:31:00 AM	1.5500	4318.17	2300.00	450.00	
11/9/99 10:45:30 AM	1.7917	4335.32	2332.00	525.00	
11/9/99 11:01:00 AM	2.0500	4352.19	2366.00	600.00	
11/9/99 11:15:30 AM	2.2917	4366.63	2385.00	675.00	
11/9/99 11:31:00 AM	2.5500	4389.27	2469.00	750.00	
11/9/99 11:45:30 AM	2.7917	4403.77	2544.00	825.00	
11/9/99 12:01:00 PM	3.0500	4416.41	2564.00	900.00	
11/9/99 12:16:00 PM	3.3000	4428.14	2583.00	975.00	
11/9/99 12:30:30 PM	3.5417	4439.35	2608.00	1050.00	
11/9/99 12:46:00 PM	3.8000	4450.89	2628.00	1125.00	
11/9/99 01:01:00 PM	4.0500	4462.29	2652.00	1200.00	
11/9/99 01:16:00 PM	4.3000	4470.81	2670.00	1275.00	
11/9/99 01:30:30 PM	4.5417	4480.75	2620.00	1350.00	
11/9/99 01:46:00 PM	4.8000	4491.18	2610.00	1425.00	
11/9/99 02:01:00 PM	5.0500	4498.97	2639.00	1500.00	
11/9/99 02:16:00 PM	5.3000	4505.50	2725.00	1575.00	

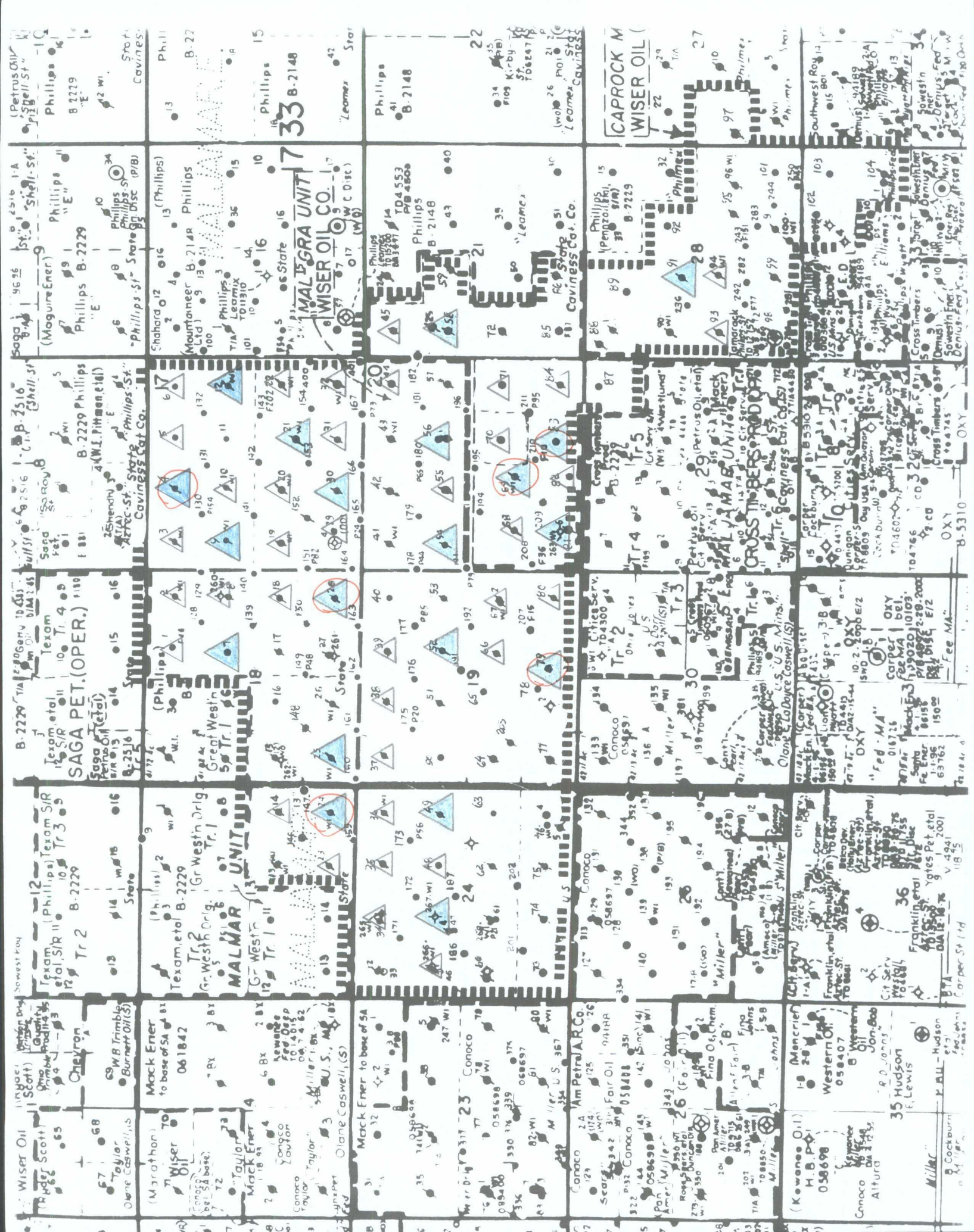
Caprock Maljamar Unit

#83 Step Rate Test

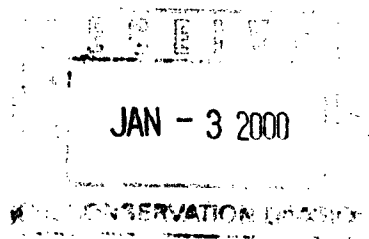


Caprock Majamar Unit
#83 Step Rate Test





December 27, 1999



WISER

New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Atten: David Catanach

Re: Injection Pressure Limits
Caprock Maljamar Unit (CMU) &
Maljamar Grayburg Unit (MGBU)

Mr. Catanach,

Wiser recently submitted proposals for increased injection pressure limits on the above referenced units located in Lea County, New Mexico. Both proposals utilize a combination of data from recently obtained step rate tests and from tests conducted during 1994-1997.

After consultation with Mark Ashley the MGBU plan was adjusted to adhere to the OCD requirement that only two adjacent injection wells be covered by each tested well (the CMU plan was submitted with the 2:1 ratio already in place). Mr. Ashley later indicated that current OCD policy precludes the use of tests over one year old.

Due to the high pressures required to properly conduct tests in this area a pump truck is necessary. Therefore, the cost of each test is approximately \$600 for surface pressure data only. Wiser has conducted 20 tests thus far at a cost of over \$20,000 (bottom hole data was obtained on 12 wells). Retesting the nine wells with older data would cost an additional \$5,400. Wiser feels this is unnecessary for several reasons.

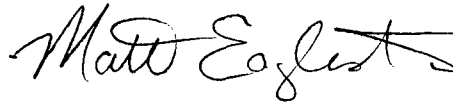
- The nine older tests were submitted to and approved by the OCD in a timely fashion. The one-year rule is more applicable in cases where tests were run but not submitted within one year.
- The older tests were not used to cover more than two wells, including any wells covered when the tests were originally submitted.
- It is clear from the test history in these units that bottom hole pressures and frac gradients are rising. Therefore, older tests would, if anything, result in lower injection pressure limits.

The Wiser Oil Company

8115 Preston Road / Suite 400 / Dallas, Texas 75225 / Tel: 214 265 0080 / Fax: 214 373-3610 / Web: <http://www.wiseroil.com>

Based on the above reasoning, Wiser requests approval of the proposals for CMU and MGBU as submitted. If you have any questions or would like to discuss this matter further please call me at (214) 360-3580.

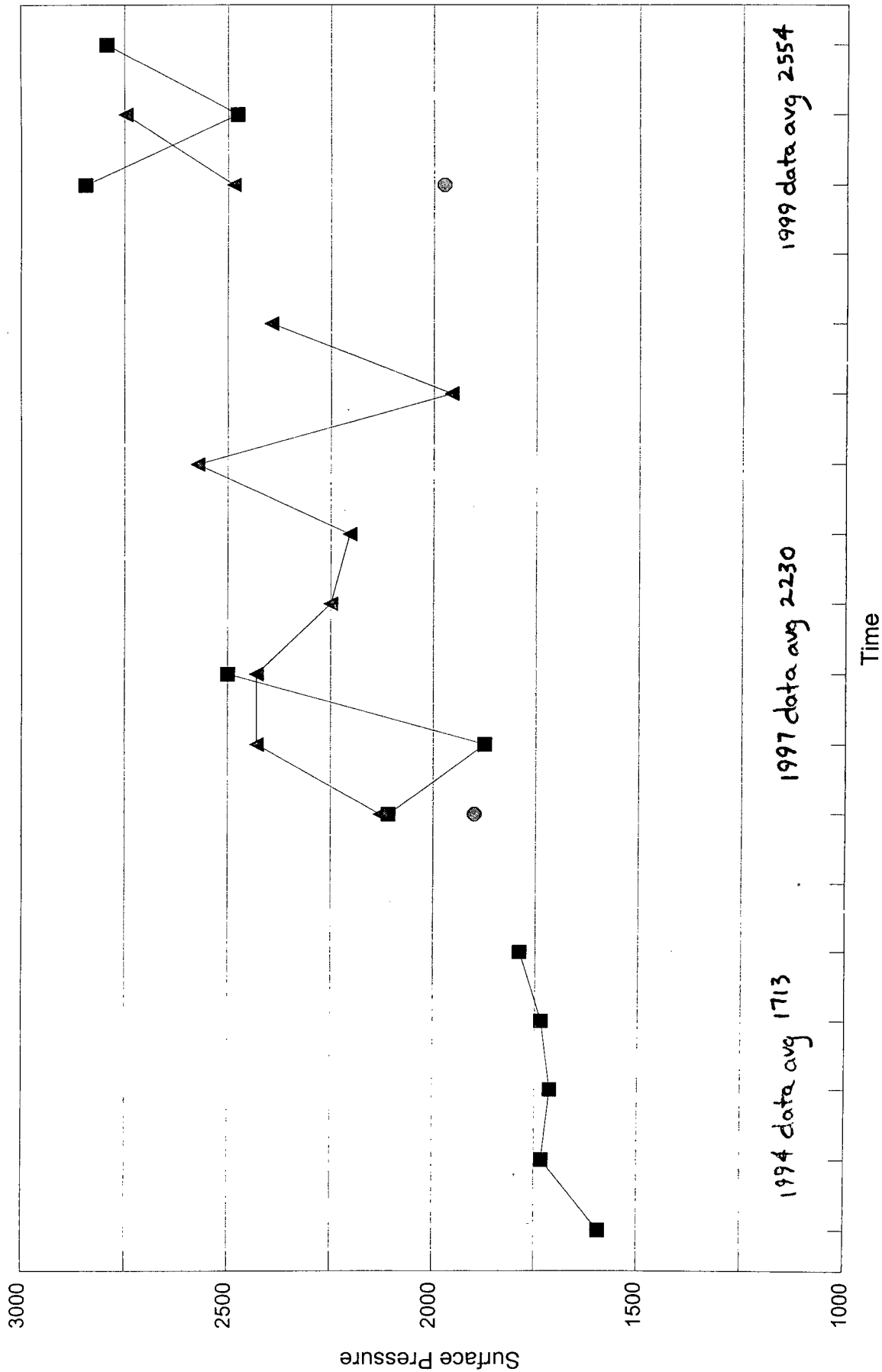
Sincerely,

A handwritten signature in black ink, appearing to read "Matt Eagleston". The signature is fluid and cursive, with a long horizontal stroke extending from the end.

Matt Eagleston
Project Engineer

attachments

MGBU Step Rate Test Data



CMU Step Rate Test Data

