



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

January 7, 2003

Lori Wrotenberg
Director
Oil Conservation Division

Saga Petroleum
415 W. Wall, Suite 1900
Midland, Texas 79701

Attn: Ms. Bonnie Husband

RE: Injection Pressure Increases
Central Corbin Queen Unit Wells No. 201, 205, 209
Lea County, New Mexico

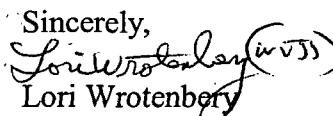
Dear Ms. Husband:

Reference is made to your request to the New Mexico Oil Conservation Division (Division) received January 6, 2003, to increase the surface injection pressure on the subject wells. This request is based on step rate tests conducted in early December 2002. Results of these tests have been reviewed and we feel an increase in injection pressure on these wells is justified at this time.

On each of the following wells, you are hereby authorized to inject water at pressures up to the following maximum surface tubing pressure.

Well and Location	Maximum Surface Injection Pressure
Central Corbin Queen Unit No. 201 API:30-025-29325	1720 PSIG
Central Corbin Queen Unit No. 205 API:30-025-29453	2100 PSIG
Central Corbin Queen Unit No. 209 API:30-025-29777	1775 PSIG
These wells are located in Section 4, Township 18 South, Range 33 East, Lea County, New Mexico.	

The Division Director may rescind these injection pressure increases if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

Lori Wrotenberg
Director

LW/wvjj

cc: Oil Conservation Division - Hobbs
File: 2003 PSI-X;
Case File 10063, R-9336



PETROLEUM

WVJ

January 3, 2003

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

JAN - 6 2003

Re: CCQU WIW's Step-Rate Tests
Lea County, NM

Gentlemen:

Please find enclosed statistical data – step rate tests for the following listed water injection wells. Saga respectfully requests approval to increase the injection pressure on each WIW as indicated on the step-rate test results. The Central Corbin Queen Unit was formed under Order R9336, dated 10-19-90.

1. CCQU #201 – API 30-025-29325 – Sec 4 (O), T18S, R33E – Increase to 3800 psia *1769-500/1720*
2. CCQU #205 - API 30-025-29453 – Sec 4 (K), T18S, R33E – Increase to 4000 psia *2100 PSI*
3. CCQU #209 - API 30-025-29777 – Sec 4 (C), T18S, R33E – Increase to 3800 psia *1775 PSI*

Should you require any further information, please contact the undersigned or Joe Clement at 915/684-4293.

Very truly yours,

SAGA PETROLEUM LLC

Bonnie Husband
Production Analyst

Enclosures



OPERATIONS LOG

COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN # 201
FIELD (FORMATION): ()
COUNTY: LEA
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: JOE CLEMENTS
FIELD REP: RODNEY LONG
JOB RUN BY: JOE PEREZ
DATA PREPARED BY: ROD DODSON
INSTRUMENT: A-39

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 56431
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12/2/02 07:30:00 AM			ON LOCATION
12/2/02 08:02:00 AM			START GAUGE #A-39
12/2/02 08:13:00 AM	791		IN LUBRICATOR W/ GAUGES
12/2/02 08:33:10 AM	791		ON BOTTOM W/ GAUGES @ 4221'
12/2/02 09:31:31 AM	791		START 1ST RATE @ 25 BPD
12/2/02 09:57:41 AM	1072		START 2ND RATE @ 50 BPD
12/2/02 10:26:21 AM	1160		START 3RD RATE @ 75 BPD
12/2/02 10:56:11 AM	1262		START 4TH RATE @ 100 BPD
12/2/02 11:27:01 AM	1340		START 5TH RATE @ 125 BPD
12/2/02 11:56:21 AM	1402		START 6TH RATE @ 150 BPD
12/2/02 12:28:21 PM	1454		START 7TH RATE @ 175 BPD
12/2/02 12:58:01 PM	1498		START 8TH RATE @ 200 BPD
12/2/02 01:27:51 PM	1561		START 9TH RATE @ 225 BPD
12/2/02 01:57:41 PM	1625		START 10TH RATE @ 250 BPD
12/2/02 02:27:11 PM	1682		START 11TH RATE @ 275 BPD
12/2/02 02:56:41 PM	1746		START 12TH RATE @ 300 BPD
12/2/02 03:27:01 PM	1790		START 13TH RATE @ 325 BPD

12/2/02 03:56:41 PM	1825	START 14TH RATE @ 350 BPD
12/2/02 04:26:11 PM	1859	START 15TH RATE @ 375 BPD
12/2/02 04:53:11 PM	1893	START 16TH RATE @ 400 BPD
12/2/02 05:27:11 PM	2065	START 17TH RATE @ 425 BPD
12/2/02 05:57:51 PM	2094	START 18TH RATE @ 450 BPD
12/2/02 06:27:41 PM	2102	START 19TH RATE @ 475 BPD
12/2/02 06:59:31 PM	2116	END FINAL RATE, OFF BOTTOM W/ GAUGES



COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN # 201
FIELD (FORMATION): ()
COUNTY: LEA
STATE: NM

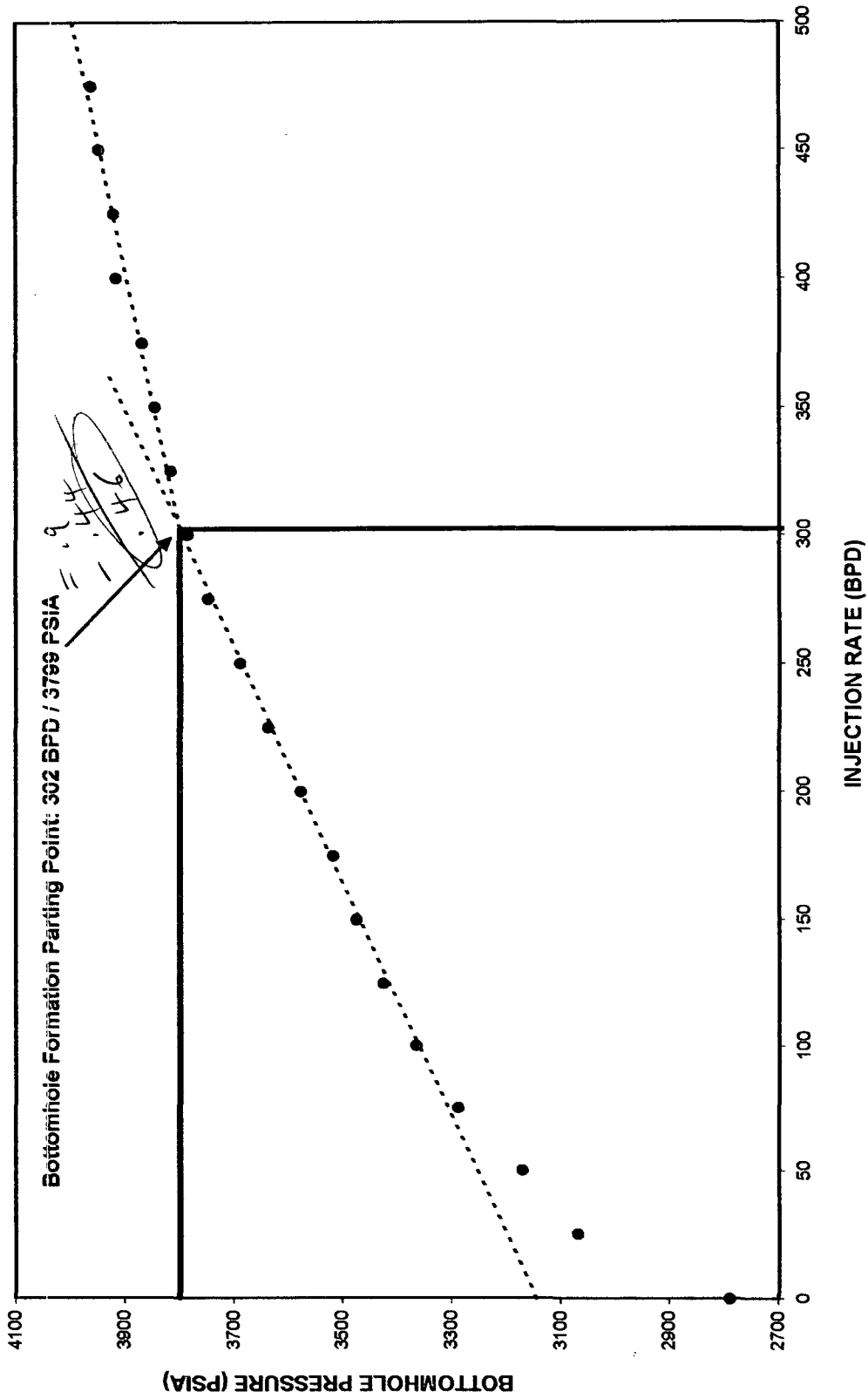
TEST DATES: 12/2/02 - 12/2/02
RUN DEPTH: 4221
INSTRUMENT: A-39

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 56431
12/2/02 09:31:30 AM	1.4917	2788.92	791.00	0.00	
12/2/02 09:57:40 AM	1.9278	3068.93	1072.00	25.00	
12/2/02 10:26:20 AM	2.4056	3170.78	1160.00	50.00	
12/2/02 10:56:10 AM	2.9028	3288.29	1262.00	75.00	
12/2/02 11:27:00 AM	3.4167	3365.45	1340.00	100.00	
12/2/02 11:56:20 AM	3.9056	3425.29	1402.00	125.00	
12/2/02 12:28:20 PM	4.4389	3474.66	1454.00	150.00	
12/2/02 12:58:00 PM	4.9333	3517.44	1498.00	175.00	
12/2/02 01:27:50 PM	5.4306	3576.87	1561.00	200.00	
12/2/02 01:57:40 PM	5.9278	3636.82	1625.00	225.00	
12/2/02 02:27:10 PM	6.4194	3688.60	1682.00	250.00	
12/2/02 02:56:40 PM	6.9111	3746.73	1746.00	275.00	
12/2/02 03:27:00 PM	7.4167	3784.61	1790.00	300.00	
12/2/02 03:56:40 PM	7.9111	3815.60	1825.00	325.00	
12/2/02 04:26:10 PM	8.4028	3844.49	1859.00	350.00	
12/2/02 04:53:10 PM	8.8528	3868.36	1893.00	375.00	
12/2/02 05:27:10 PM	9.4194	3915.52	2065.00	400.00	
12/2/02 05:57:50 PM	9.9306	3920.07	2094.00	425.00	
12/2/02 06:27:40 PM	10.4278	3948.08	2102.00	450.00	
12/2/02 06:59:30 PM	10.9583	3961.35	2116.00	475.00	



COMPANY: SAGA PETROLEUM CORP. FIELD: COUNTY: LEA STATE: NM
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 201
JOB # 56431
TEST DATE: 12/2/02
12/2/02

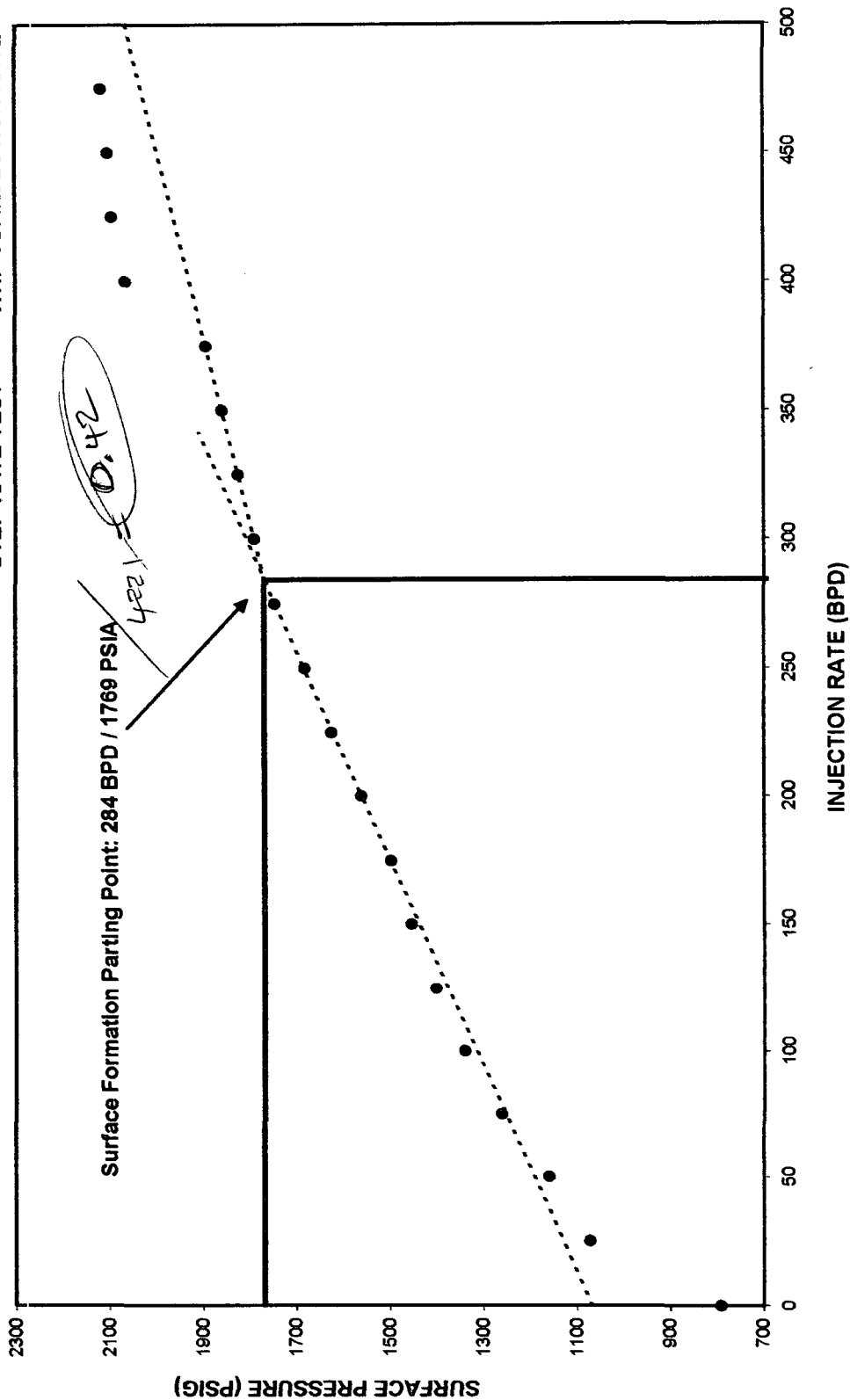
STEP-RATE TEST - BHP VS. INJECTION RATE

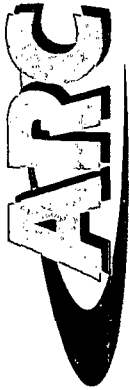




COMPANY: SAGA PETROLEUM CORP. FIELD: JOB # 58431
LEASE: CENTRAL CORBIN QUEEN COUNTY: LEA TEST DATE: 12/2/02
WELL NUMBER: 201 STATE: NM

STEP-RATE TEST - WHP VS. INJECTION RATE

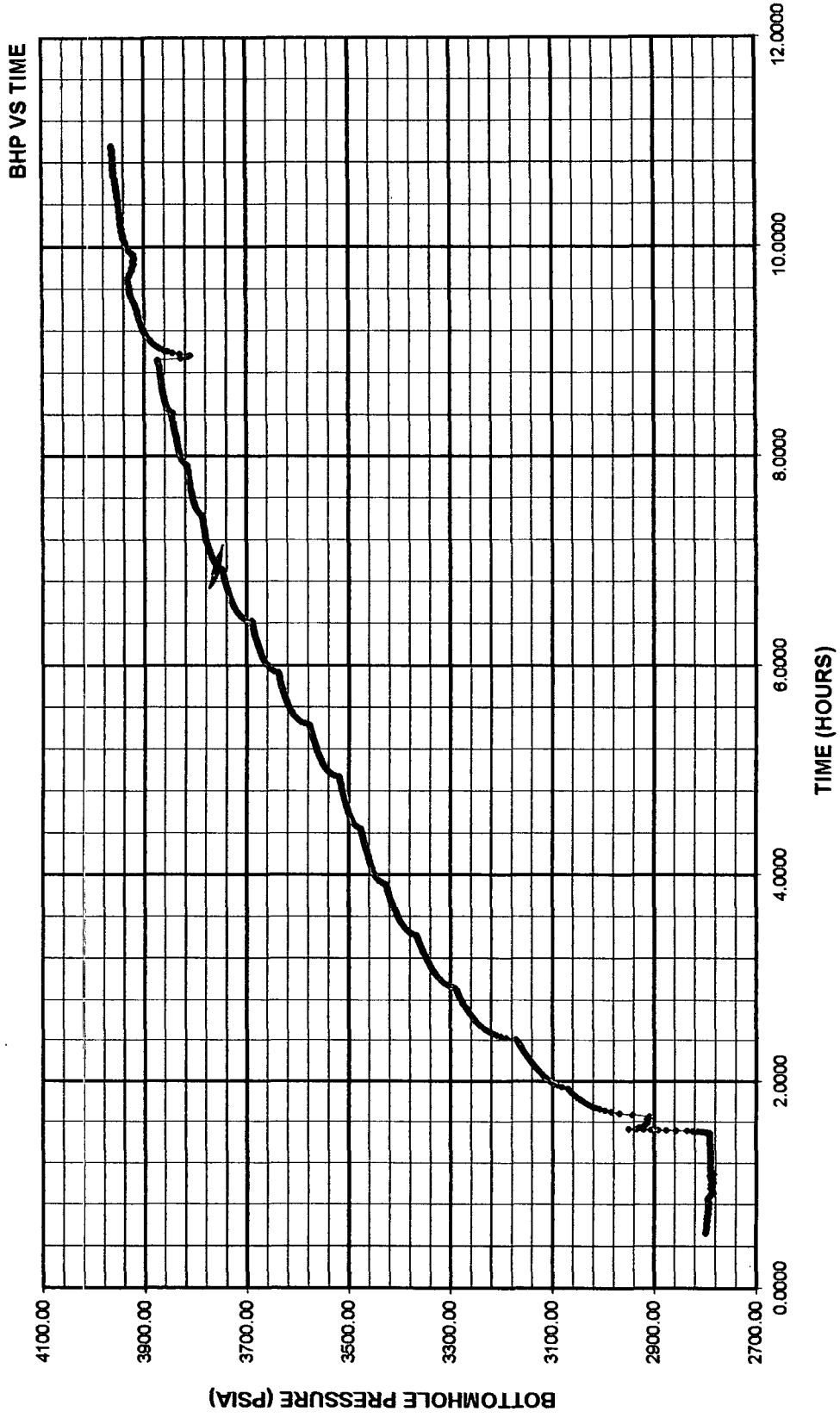




COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 201

FIELD: LEA
COUNTY: NM
STATE: NM

JOB # 56431
TEST DATE: 12/2/02 - 12/2/02

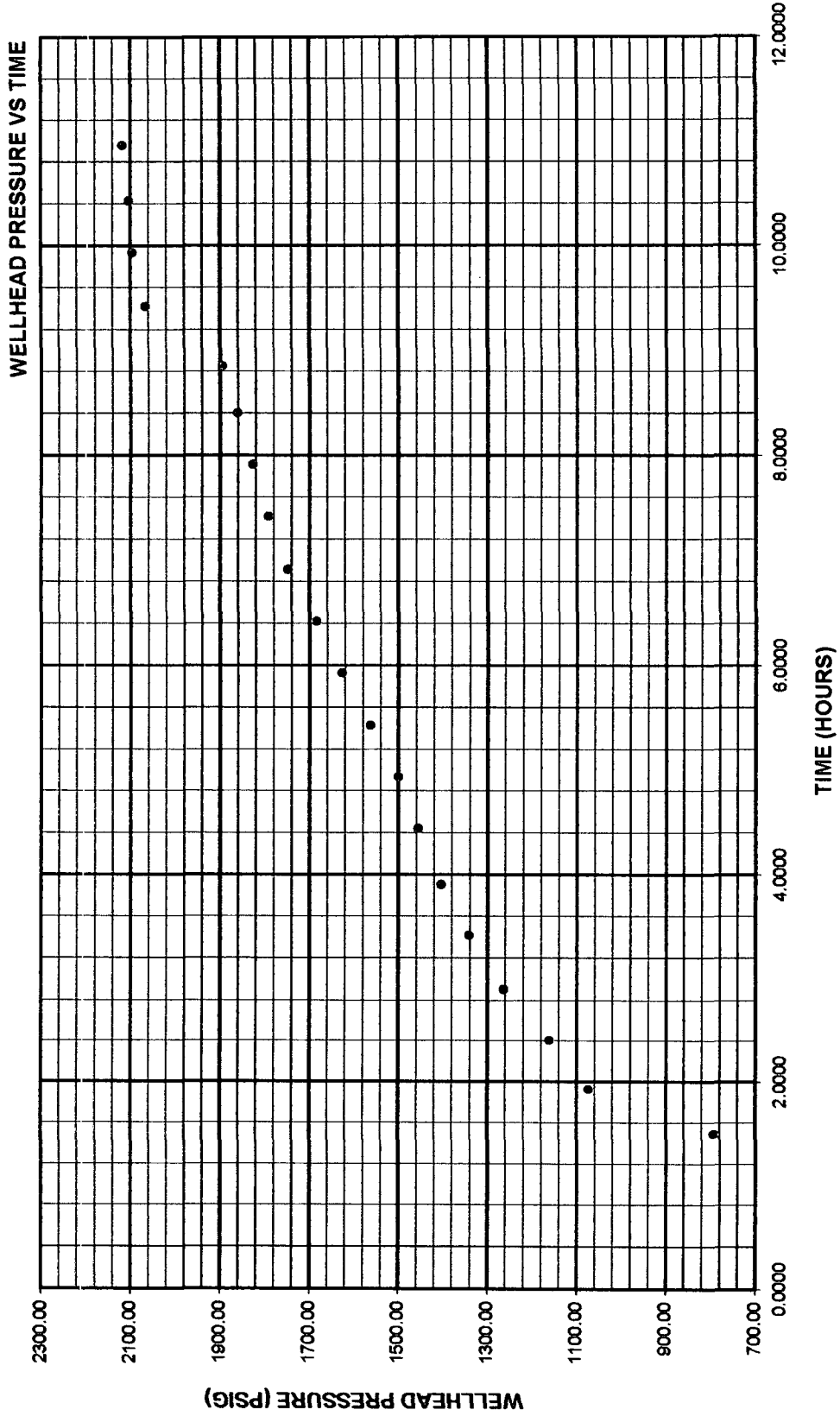




COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 201

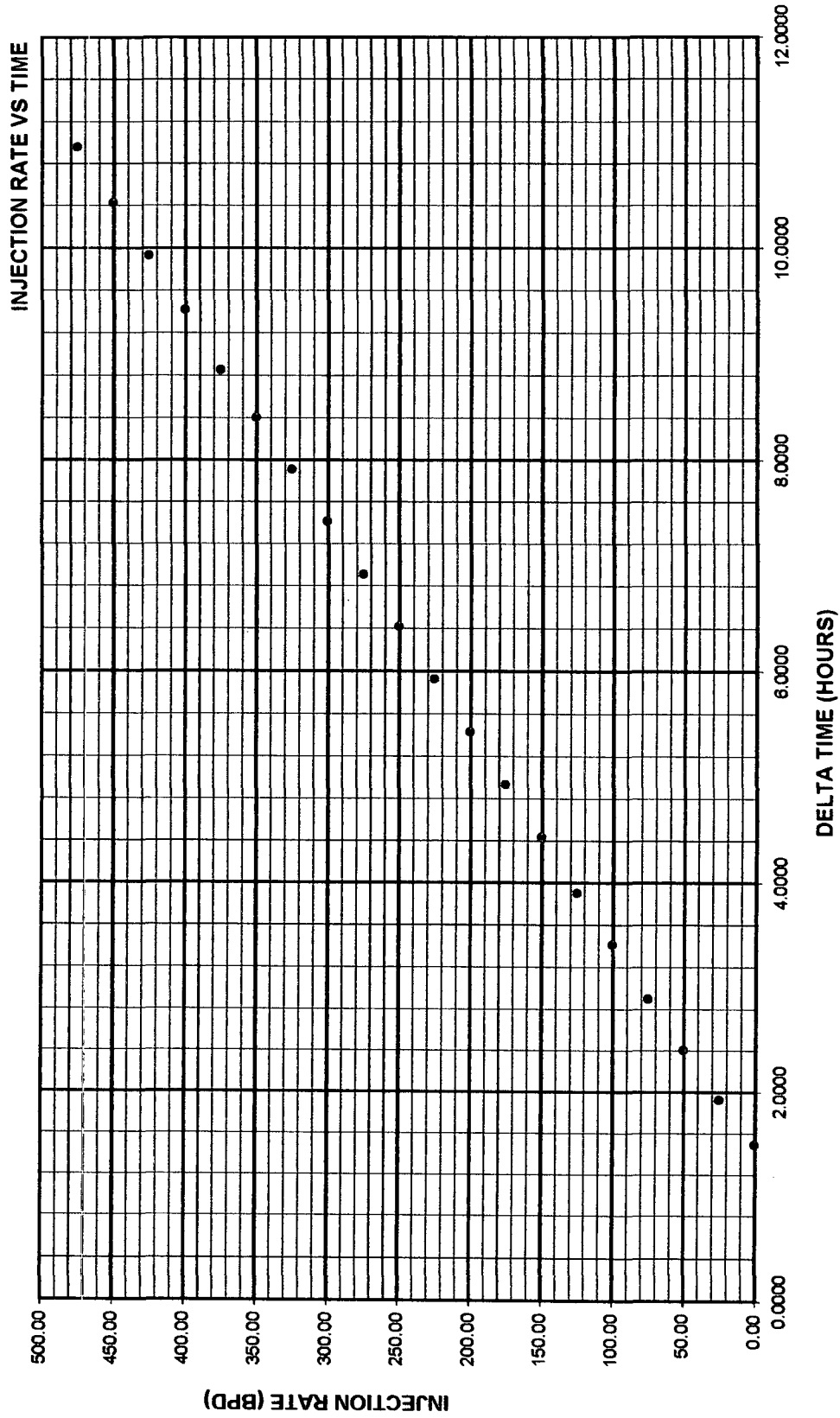
FIELD: LEA
COUNTY: NM
STATE: NM

JOB # 58431
TEST DATE: 12/2/02 - 12/2/02





COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 201
FIELD: LEA
COUNTY: NM
STATE: NM
JOB # 56431
TEST DATE: 12/2/02
12/2/02





COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN # 201
FIELD (FORMATION): ()
COUNTY: LEA
STATE: NM

TEST DATES: 12/2/02 - 12/2/02
RUN DEPTH: 4221
INSTRUMENT: A-39

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56431
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12/2/02 07:30:00 AM			ON LOCATION
12/2/02 08:02:00 AM			START GAUGE #A-39
12/2/02 08:13:00 AM			IN LUBRICATOR W/ GAUGES
12/2/02 08:33:10 AM			ON BOTTOM W/ GAUGES @ 4221'
12/2/02 08:33:10 AM	0.5194	2797.32	
12/2/02 08:34:00 AM	0.5333	2796.61	
12/2/02 08:34:50 AM	0.5472	2796.14	
12/2/02 08:35:40 AM	0.5611	2795.58	
12/2/02 08:36:30 AM	0.5750	2795.31	
12/2/02 08:37:20 AM	0.5889	2795.35	
12/2/02 08:38:10 AM	0.6028	2795.28	
12/2/02 08:39:00 AM	0.6167	2795.37	
12/2/02 08:39:50 AM	0.6306	2794.99	
12/2/02 08:40:40 AM	0.6444	2795.01	
12/2/02 08:41:30 AM	0.6583	2795.08	
12/2/02 08:42:20 AM	0.6722	2794.91	
12/2/02 08:43:10 AM	0.6861	2794.97	
12/2/02 08:44:00 AM	0.7000	2792.64	
12/2/02 08:44:50 AM	0.7139	2792.60	
12/2/02 08:45:40 AM	0.7278	2793.35	
12/2/02 08:46:30 AM	0.7417	2792.56	
12/2/02 08:47:20 AM	0.7556	2791.65	
12/2/02 08:48:10 AM	0.7694	2792.44	
12/2/02 08:49:00 AM	0.7833	2792.55	
12/2/02 08:49:50 AM	0.7972	2791.46	
12/2/02 08:50:40 AM	0.8111	2791.67	
12/2/02 08:51:30 AM	0.8250	2792.26	
12/2/02 08:52:20 AM	0.8389	2793.20	
12/2/02 08:53:10 AM	0.8528	2793.19	
12/2/02 08:54:00 AM	0.8667	2792.29	
12/2/02 08:54:50 AM	0.8806	2788.44	

12/2/02 08:55:40 AM	0.8944	2787.23
12/2/02 08:56:30 AM	0.9083	2783.05
12/2/02 08:57:20 AM	0.9222	2783.83
12/2/02 08:58:10 AM	0.9361	2785.30
12/2/02 08:59:00 AM	0.9500	2788.01
12/2/02 08:59:50 AM	0.9639	2784.96
12/2/02 09:00:40 AM	0.9778	2784.83
12/2/02 09:01:30 AM	0.9917	2787.43
12/2/02 09:02:20 AM	1.0056	2782.72
12/2/02 09:03:10 AM	1.0194	2784.35
12/2/02 09:04:00 AM	1.0333	2786.63
12/2/02 09:04:50 AM	1.0472	2787.64
12/2/02 09:05:40 AM	1.0611	2788.56
12/2/02 09:06:30 AM	1.0750	2789.10
12/2/02 09:07:20 AM	1.0889	2782.21
12/2/02 09:08:10 AM	1.1028	2786.59
12/2/02 09:09:00 AM	1.1167	2788.32
12/2/02 09:09:50 AM	1.1306	2788.90
12/2/02 09:10:40 AM	1.1444	2787.40
12/2/02 09:11:30 AM	1.1583	2788.40
12/2/02 09:12:20 AM	1.1722	2788.10
12/2/02 09:13:10 AM	1.1861	2787.73
12/2/02 09:14:00 AM	1.2000	2788.09
12/2/02 09:14:50 AM	1.2139	2787.55
12/2/02 09:15:40 AM	1.2278	2787.75
12/2/02 09:16:30 AM	1.2417	2788.11
12/2/02 09:17:20 AM	1.2556	2788.03
12/2/02 09:18:10 AM	1.2694	2788.40
12/2/02 09:19:00 AM	1.2833	2787.99
12/2/02 09:19:50 AM	1.2972	2788.44
12/2/02 09:20:40 AM	1.3111	2788.04
12/2/02 09:21:30 AM	1.3250	2787.77
12/2/02 09:22:20 AM	1.3389	2787.51
12/2/02 09:23:10 AM	1.3528	2787.64
12/2/02 09:24:00 AM	1.3667	2788.19
12/2/02 09:24:50 AM	1.3806	2788.76
12/2/02 09:25:40 AM	1.3944	2788.92
12/2/02 09:26:30 AM	1.4083	2788.98
12/2/02 09:27:20 AM	1.4222	2789.19
12/2/02 09:28:10 AM	1.4361	2789.35
12/2/02 09:29:00 AM	1.4500	2789.35
12/2/02 09:29:50 AM	1.4639	2788.98
12/2/02 09:30:40 AM	1.4778	2789.00
12/2/02 09:31:30 AM	1.4917	2788.92
12/2/02 09:31:31 AM		START 1ST RATE @ 25 BPD
12/2/02 09:31:40 AM	1.4944	2793.73
12/2/02 09:31:50 AM	1.4972	2797.06
12/2/02 09:32:00 AM	1.5000	2801.52
12/2/02 09:32:10 AM	1.5028	2805.50
12/2/02 09:32:20 AM	1.5056	2812.22
12/2/02 09:32:30 AM	1.5083	2822.60

12/2/02 09:32:40 AM	1.5111	2834.22
12/2/02 09:32:50 AM	1.5139	2855.28
12/2/02 09:33:00 AM	1.5167	2874.30
12/2/02 09:33:10 AM	1.5194	2890.75
12/2/02 09:33:20 AM	1.5222	2905.44
12/2/02 09:33:30 AM	1.5250	2919.30
12/2/02 09:33:40 AM	1.5278	2933.66
12/2/02 09:33:50 AM	1.5306	2948.71
12/2/02 09:34:40 AM	1.5444	2928.29
12/2/02 09:35:30 AM	1.5583	2919.23
12/2/02 09:36:20 AM	1.5722	2914.91
12/2/02 09:37:10 AM	1.5861	2912.69
12/2/02 09:38:00 AM	1.6000	2911.96
12/2/02 09:38:50 AM	1.6139	2911.65
12/2/02 09:39:40 AM	1.6278	2912.50
12/2/02 09:40:30 AM	1.6417	2909.44
12/2/02 09:41:20 AM	1.6556	2908.29
12/2/02 09:42:10 AM	1.6694	2942.15
12/2/02 09:43:00 AM	1.6833	2967.23
12/2/02 09:43:50 AM	1.6972	2983.73
12/2/02 09:44:40 AM	1.7111	2996.10
12/2/02 09:45:30 AM	1.7250	3006.26
12/2/02 09:46:20 AM	1.7389	3014.65
12/2/02 09:47:10 AM	1.7528	3022.02
12/2/02 09:48:00 AM	1.7667	3027.56
12/2/02 09:48:50 AM	1.7806	3032.13
12/2/02 09:49:40 AM	1.7944	3036.59
12/2/02 09:50:30 AM	1.8083	3041.02
12/2/02 09:51:20 AM	1.8222	3045.58
12/2/02 09:52:10 AM	1.8361	3049.63
12/2/02 09:53:00 AM	1.8500	3052.86
12/2/02 09:53:50 AM	1.8639	3056.17
12/2/02 09:54:40 AM	1.8778	3059.35
12/2/02 09:55:30 AM	1.8917	3062.17
12/2/02 09:56:20 AM	1.9056	3064.91
12/2/02 09:57:10 AM	1.9194	3067.43
12/2/02 09:57:40 AM	1.9278	3068.93
12/2/02 09:57:41 AM		START 2ND RATE @ 50 BPD
12/2/02 09:58:30 AM	1.9417	3080.51
12/2/02 09:59:20 AM	1.9556	3088.44
12/2/02 10:00:10 AM	1.9694	3094.16
12/2/02 10:01:00 AM	1.9833	3099.25
12/2/02 10:01:50 AM	1.9972	3103.27
12/2/02 10:02:40 AM	2.0111	3107.23
12/2/02 10:03:30 AM	2.0250	3110.87
12/2/02 10:04:20 AM	2.0389	3114.18
12/2/02 10:05:10 AM	2.0528	3117.36
12/2/02 10:06:00 AM	2.0667	3119.44
12/2/02 10:06:50 AM	2.0806	3122.39
12/2/02 10:07:40 AM	2.0944	3124.85
12/2/02 10:08:30 AM	2.1083	3127.04

12/2/02 10:09:20 AM	2.1222	3129.73
12/2/02 10:10:10 AM	2.1361	3132.20
12/2/02 10:11:00 AM	2.1500	3134.56
12/2/02 10:11:50 AM	2.1639	3136.76
12/2/02 10:12:40 AM	2.1778	3138.82
12/2/02 10:13:30 AM	2.1917	3141.37
12/2/02 10:14:20 AM	2.2056	3143.36
12/2/02 10:15:10 AM	2.2194	3145.42
12/2/02 10:16:00 AM	2.2333	3147.66
12/2/02 10:16:50 AM	2.2472	3149.11
12/2/02 10:17:40 AM	2.2611	3151.79
12/2/02 10:18:30 AM	2.2750	3153.25
12/2/02 10:19:20 AM	2.2889	3155.26
12/2/02 10:20:10 AM	2.3028	3157.07
12/2/02 10:21:00 AM	2.3167	3158.99
12/2/02 10:21:50 AM	2.3306	3160.62
12/2/02 10:22:40 AM	2.3444	3162.30
12/2/02 10:23:30 AM	2.3583	3164.01
12/2/02 10:24:20 AM	2.3722	3165.99
12/2/02 10:25:10 AM	2.3861	3167.96
12/2/02 10:26:00 AM	2.4000	3169.79
12/2/02 10:26:20 AM	2.4056	3170.78
12/2/02 10:26:21 AM		START 3RD RATE @ 75 BPD
12/2/02 10:27:10 AM	2.4194	3189.73
12/2/02 10:28:00 AM	2.4333	3200.23
12/2/02 10:28:50 AM	2.4472	3208.59
12/2/02 10:29:40 AM	2.4611	3215.31
12/2/02 10:30:30 AM	2.4750	3221.35
12/2/02 10:31:20 AM	2.4889	3226.06
12/2/02 10:32:10 AM	2.5028	3230.68
12/2/02 10:33:00 AM	2.5167	3234.72
12/2/02 10:33:50 AM	2.5306	3237.77
12/2/02 10:34:40 AM	2.5444	3241.30
12/2/02 10:35:30 AM	2.5583	3244.29
12/2/02 10:36:20 AM	2.5722	3247.33
12/2/02 10:37:10 AM	2.5861	3249.92
12/2/02 10:38:00 AM	2.6000	3250.83
12/2/02 10:38:50 AM	2.6139	3252.54
12/2/02 10:39:40 AM	2.6278	3255.03
12/2/02 10:40:30 AM	2.6417	3256.86
12/2/02 10:41:20 AM	2.6556	3259.17
12/2/02 10:42:10 AM	2.6694	3261.29
12/2/02 10:43:00 AM	2.6833	3263.19
12/2/02 10:43:50 AM	2.6972	3265.45
12/2/02 10:44:40 AM	2.7111	3267.54
12/2/02 10:45:30 AM	2.7250	3269.59
12/2/02 10:46:20 AM	2.7389	3271.97
12/2/02 10:47:10 AM	2.7528	3273.56
12/2/02 10:48:00 AM	2.7667	3274.42
12/2/02 10:48:50 AM	2.7806	3275.43
12/2/02 10:49:40 AM	2.7944	3276.92

12/2/02 10:50:30 AM	2.8083	3278.72
12/2/02 10:51:20 AM	2.8222	3280.12
12/2/02 10:52:10 AM	2.8361	3281.29
12/2/02 10:53:00 AM	2.8500	3282.63
12/2/02 10:53:50 AM	2.8639	3284.15
12/2/02 10:54:40 AM	2.8778	3285.60
12/2/02 10:55:30 AM	2.8917	3286.53
12/2/02 10:56:10 AM	2.9028	3288.29
12/2/02 10:56:11 AM		START 4TH RATE @ 100 BPD
12/2/02 10:57:00 AM	2.9167	3293.32
12/2/02 10:57:50 AM	2.9306	3301.15
12/2/02 10:58:40 AM	2.9444	3306.32
12/2/02 10:59:30 AM	2.9583	3311.22
12/2/02 11:00:20 AM	2.9722	3314.42
12/2/02 11:01:10 AM	2.9861	3317.48
12/2/02 11:02:00 AM	3.0000	3320.31
12/2/02 11:02:50 AM	3.0139	3323.13
12/2/02 11:03:40 AM	3.0278	3325.61
12/2/02 11:04:30 AM	3.0417	3327.63
12/2/02 11:05:20 AM	3.0556	3329.36
12/2/02 11:06:10 AM	3.0694	3331.59
12/2/02 11:07:00 AM	3.0833	3333.42
12/2/02 11:07:50 AM	3.0972	3335.26
12/2/02 11:08:40 AM	3.1111	3337.03
12/2/02 11:09:30 AM	3.1250	3338.35
12/2/02 11:10:20 AM	3.1389	3339.96
12/2/02 11:11:10 AM	3.1528	3341.47
12/2/02 11:12:00 AM	3.1667	3342.73
12/2/02 11:12:50 AM	3.1806	3343.89
12/2/02 11:13:40 AM	3.1944	3345.50
12/2/02 11:14:30 AM	3.2083	3346.85
12/2/02 11:15:20 AM	3.2222	3348.14
12/2/02 11:16:10 AM	3.2361	3349.84
12/2/02 11:17:00 AM	3.2500	3351.47
12/2/02 11:17:50 AM	3.2639	3353.01
12/2/02 11:18:40 AM	3.2778	3353.64
12/2/02 11:19:30 AM	3.2917	3354.95
12/2/02 11:20:20 AM	3.3056	3356.28
12/2/02 11:21:10 AM	3.3194	3357.83
12/2/02 11:22:00 AM	3.3333	3358.77
12/2/02 11:22:50 AM	3.3472	3360.42
12/2/02 11:23:40 AM	3.3611	3361.54
12/2/02 11:24:30 AM	3.3750	3361.92
12/2/02 11:25:20 AM	3.3889	3363.39
12/2/02 11:26:10 AM	3.4028	3364.71
12/2/02 11:27:00 AM	3.4167	3365.45
12/2/02 11:27:01 AM		START 5TH RATE @ 125 BPD
12/2/02 11:27:50 AM	3.4306	3373.86
12/2/02 11:28:40 AM	3.4444	3378.86
12/2/02 11:29:30 AM	3.4583	3382.97
12/2/02 11:30:20 AM	3.4722	3385.70

12/2/02 11:31:10 AM	3.4861	3388.37
12/2/02 11:32:00 AM	3.5000	3390.23
12/2/02 11:32:50 AM	3.5139	3392.29
12/2/02 11:33:40 AM	3.5278	3394.54
12/2/02 11:34:30 AM	3.5417	3396.19
12/2/02 11:35:20 AM	3.5556	3397.79
12/2/02 11:36:10 AM	3.5694	3399.26
12/2/02 11:37:00 AM	3.5833	3400.93
12/2/02 11:37:50 AM	3.5972	3402.25
12/2/02 11:38:40 AM	3.6111	3403.41
12/2/02 11:39:30 AM	3.6250	3404.73
12/2/02 11:40:20 AM	3.6389	3405.52
12/2/02 11:41:10 AM	3.6528	3407.26
12/2/02 11:42:00 AM	3.6667	3408.10
12/2/02 11:42:50 AM	3.6806	3409.66
12/2/02 11:43:40 AM	3.6944	3411.09
12/2/02 11:44:30 AM	3.7083	3412.13
12/2/02 11:45:20 AM	3.7222	3412.79
12/2/02 11:46:10 AM	3.7361	3414.69
12/2/02 11:47:00 AM	3.7500	3415.14
12/2/02 11:47:50 AM	3.7639	3416.82
12/2/02 11:48:40 AM	3.7778	3417.48
12/2/02 11:49:30 AM	3.7917	3418.21
12/2/02 11:50:20 AM	3.8056	3419.36
12/2/02 11:51:10 AM	3.8194	3420.16
12/2/02 11:52:00 AM	3.8333	3420.70
12/2/02 11:52:50 AM	3.8472	3421.86
12/2/02 11:53:40 AM	3.8611	3422.26
12/2/02 11:54:30 AM	3.8750	3422.85
12/2/02 11:55:20 AM	3.8889	3424.22
12/2/02 11:56:10 AM	3.9028	3425.14
12/2/02 11:56:20 AM	3.9056	3425.29
12/2/02 11:56:21 AM		
12/2/02 11:57:10 AM	3.9194	3432.08
12/2/02 11:58:00 AM	3.9333	3436.89
12/2/02 11:58:50 AM	3.9472	3440.67
12/2/02 11:59:40 AM	3.9611	3443.45
12/2/02 12:00:30 PM	3.9750	3445.39
12/2/02 12:01:20 PM	3.9889	3447.46
12/2/02 12:02:10 PM	4.0028	3448.32
12/2/02 12:03:00 PM	4.0167	3450.02
12/2/02 12:03:50 PM	4.0306	3451.44
12/2/02 12:04:40 PM	4.0444	3452.39
12/2/02 12:05:30 PM	4.0583	3452.72
12/2/02 12:06:20 PM	4.0722	3454.25
12/2/02 12:07:10 PM	4.0861	3454.99
12/2/02 12:08:00 PM	4.1000	3456.08
12/2/02 12:08:50 PM	4.1139	3457.06
12/2/02 12:09:40 PM	4.1278	3457.30
12/2/02 12:10:30 PM	4.1417	3458.65
12/2/02 12:11:20 PM	4.1556	3458.91

START 6TH RATE @ 150 BPD

12/2/02 12:12:10 PM	4.1694	3459.70
12/2/02 12:13:00 PM	4.1833	3460.65
12/2/02 12:13:50 PM	4.1972	3461.24
12/2/02 12:14:40 PM	4.2111	3461.97
12/2/02 12:15:30 PM	4.2250	3463.65
12/2/02 12:16:20 PM	4.2389	3464.08
12/2/02 12:17:10 PM	4.2528	3464.85
12/2/02 12:18:00 PM	4.2667	3465.90
12/2/02 12:18:50 PM	4.2806	3466.58
12/2/02 12:19:40 PM	4.2944	3467.60
12/2/02 12:20:30 PM	4.3083	3467.81
12/2/02 12:21:20 PM	4.3222	3468.93
12/2/02 12:22:10 PM	4.3361	3469.64
12/2/02 12:23:00 PM	4.3500	3470.37
12/2/02 12:23:50 PM	4.3639	3471.23
12/2/02 12:24:40 PM	4.3778	3471.99
12/2/02 12:25:30 PM	4.3917	3472.63
12/2/02 12:26:20 PM	4.4056	3473.50
12/2/02 12:27:10 PM	4.4194	3473.96
12/2/02 12:28:00 PM	4.4333	3474.82
12/2/02 12:28:20 PM	4.4389	3474.66
12/2/02 12:28:21 PM		START 7TH RATE @ 175 BPD
12/2/02 12:29:10 PM	4.4528	3480.39
12/2/02 12:30:00 PM	4.4667	3484.91
12/2/02 12:30:50 PM	4.4806	3487.56
12/2/02 12:31:40 PM	4.4944	3489.95
12/2/02 12:32:30 PM	4.5083	3491.49
12/2/02 12:33:20 PM	4.5222	3492.76
12/2/02 12:34:10 PM	4.5361	3493.95
12/2/02 12:35:00 PM	4.5500	3495.79
12/2/02 12:35:50 PM	4.5639	3497.10
12/2/02 12:36:40 PM	4.5778	3498.09
12/2/02 12:37:30 PM	4.5917	3499.48
12/2/02 12:38:20 PM	4.6056	3499.99
12/2/02 12:39:10 PM	4.6194	3500.43
12/2/02 12:40:00 PM	4.6333	3501.89
12/2/02 12:40:50 PM	4.6472	3502.74
12/2/02 12:41:40 PM	4.6611	3503.42
12/2/02 12:42:30 PM	4.6750	3504.14
12/2/02 12:43:20 PM	4.6889	3505.09
12/2/02 12:44:10 PM	4.7028	3505.84
12/2/02 12:45:00 PM	4.7167	3506.35
12/2/02 12:45:50 PM	4.7306	3507.08
12/2/02 12:46:40 PM	4.7444	3508.02
12/2/02 12:47:30 PM	4.7583	3508.75
12/2/02 12:48:20 PM	4.7722	3509.97
12/2/02 12:49:10 PM	4.7861	3510.31
12/2/02 12:50:00 PM	4.8000	3511.62
12/2/02 12:50:50 PM	4.8139	3511.96
12/2/02 12:51:40 PM	4.8278	3513.00
12/2/02 12:52:30 PM	4.8417	3513.70

12/2/02 12:53:20 PM	4.8556	3513.61
12/2/02 12:54:10 PM	4.8694	3514.25
12/2/02 12:55:00 PM	4.8833	3515.02
12/2/02 12:55:50 PM	4.8972	3516.06
12/2/02 12:56:40 PM	4.9111	3516.28
12/2/02 12:57:30 PM	4.9250	3517.21
12/2/02 12:58:00 PM	4.9333	3517.44
12/2/02 12:58:01 PM		START 8TH RATE @ 200 BPD
12/2/02 12:58:50 PM	4.9472	3526.51
12/2/02 12:59:40 PM	4.9611	3533.03
12/2/02 01:00:30 PM	4.9750	3537.06
12/2/02 01:01:20 PM	4.9889	3540.68
12/2/02 01:02:10 PM	5.0028	3542.56
12/2/02 01:03:00 PM	5.0167	3545.01
12/2/02 01:03:50 PM	5.0306	3547.22
12/2/02 01:04:40 PM	5.0444	3548.56
12/2/02 01:05:30 PM	5.0583	3550.44
12/2/02 01:06:20 PM	5.0722	3551.35
12/2/02 01:07:10 PM	5.0861	3552.76
12/2/02 01:08:00 PM	5.1000	3553.69
12/2/02 01:08:50 PM	5.1139	3555.35
12/2/02 01:09:40 PM	5.1278	3556.24
12/2/02 01:10:30 PM	5.1417	3557.79
12/2/02 01:11:20 PM	5.1556	3559.04
12/2/02 01:12:10 PM	5.1694	3560.29
12/2/02 01:13:00 PM	5.1833	3561.34
12/2/02 01:13:50 PM	5.1972	3561.80
12/2/02 01:14:40 PM	5.2111	3562.70
12/2/02 01:15:30 PM	5.2250	3563.99
12/2/02 01:16:20 PM	5.2389	3564.47
12/2/02 01:17:10 PM	5.2528	3565.73
12/2/02 01:18:00 PM	5.2667	3566.64
12/2/02 01:18:50 PM	5.2806	3567.74
12/2/02 01:19:40 PM	5.2944	3568.40
12/2/02 01:20:30 PM	5.3083	3569.42
12/2/02 01:21:20 PM	5.3222	3570.04
12/2/02 01:22:10 PM	5.3361	3571.12
12/2/02 01:23:00 PM	5.3500	3572.00
12/2/02 01:23:50 PM	5.3639	3572.59
12/2/02 01:24:40 PM	5.3778	3573.67
12/2/02 01:25:30 PM	5.3917	3574.09
12/2/02 01:26:20 PM	5.4056	3575.08
12/2/02 01:27:10 PM	5.4194	3576.11
12/2/02 01:27:50 PM	5.4306	3576.87
12/2/02 01:27:51 PM		START 9TH RATE @ 225 BPD
12/2/02 01:28:40 PM	5.4444	3586.16
12/2/02 01:29:30 PM	5.4583	3592.39
12/2/02 01:30:20 PM	5.4722	3596.64
12/2/02 01:31:10 PM	5.4861	3600.40
12/2/02 01:32:00 PM	5.5000	3603.27
12/2/02 01:32:50 PM	5.5139	3605.84

12/2/02 01:33:40 PM	5.5278	3608.14
12/2/02 01:34:30 PM	5.5417	3610.00
12/2/02 01:35:20 PM	5.5556	3611.62
12/2/02 01:36:10 PM	5.5694	3613.46
12/2/02 01:37:00 PM	5.5833	3614.83
12/2/02 01:37:50 PM	5.5972	3616.01
12/2/02 01:38:40 PM	5.6111	3617.21
12/2/02 01:39:30 PM	5.6250	3618.63
12/2/02 01:40:20 PM	5.6389	3619.89
12/2/02 01:41:10 PM	5.6528	3621.27
12/2/02 01:42:00 PM	5.6667	3622.05
12/2/02 01:42:50 PM	5.6806	3623.26
12/2/02 01:43:40 PM	5.6944	3624.32
12/2/02 01:44:30 PM	5.7083	3625.06
12/2/02 01:45:20 PM	5.7222	3626.05
12/2/02 01:46:10 PM	5.7361	3626.78
12/2/02 01:47:00 PM	5.7500	3627.71
12/2/02 01:47:50 PM	5.7639	3628.34
12/2/02 01:48:40 PM	5.7778	3629.87
12/2/02 01:49:30 PM	5.7917	3630.55
12/2/02 01:50:20 PM	5.8056	3631.49
12/2/02 01:51:10 PM	5.8194	3632.27
12/2/02 01:52:00 PM	5.8333	3632.95
12/2/02 01:52:50 PM	5.8472	3633.60
12/2/02 01:53:40 PM	5.8611	3634.40
12/2/02 01:54:30 PM	5.8750	3634.68
12/2/02 01:55:20 PM	5.8889	3635.07
12/2/02 01:56:10 PM	5.9028	3635.48
12/2/02 01:57:00 PM	5.9167	3636.25
12/2/02 01:57:40 PM	5.9278	3636.82
12/2/02 01:57:41 PM		
12/2/02 01:58:30 PM	5.9417	3645.09
12/2/02 01:59:20 PM	5.9556	3649.76
12/2/02 02:00:10 PM	5.9694	3653.10
12/2/02 02:01:00 PM	5.9833	3655.55
12/2/02 02:01:50 PM	5.9972	3657.77
12/2/02 02:02:40 PM	6.0111	3659.84
12/2/02 02:03:30 PM	6.0250	3661.78
12/2/02 02:04:20 PM	6.0389	3663.65
12/2/02 02:05:10 PM	6.0528	3664.98
12/2/02 02:06:00 PM	6.0667	3666.53
12/2/02 02:06:50 PM	6.0806	3667.76
12/2/02 02:07:40 PM	6.0944	3669.08
12/2/02 02:08:30 PM	6.1083	3669.99
12/2/02 02:09:20 PM	6.1222	3671.23
12/2/02 02:10:10 PM	6.1361	3672.17
12/2/02 02:11:00 PM	6.1500	3673.17
12/2/02 02:11:50 PM	6.1639	3674.27
12/2/02 02:12:40 PM	6.1778	3675.31
12/2/02 02:13:30 PM	6.1917	3676.01
12/2/02 02:14:20 PM	6.2056	3677.08

START 10TH RATE @ 250 BPD

12/2/02 02:15:10 PM	6.2194	3678.00
12/2/02 02:16:00 PM	6.2333	3679.26
12/2/02 02:16:50 PM	6.2472	3680.04
12/2/02 02:17:40 PM	6.2611	3681.08
12/2/02 02:18:30 PM	6.2750	3682.06
12/2/02 02:19:20 PM	6.2889	3682.50
12/2/02 02:20:10 PM	6.3028	3683.24
12/2/02 02:21:00 PM	6.3167	3683.93
12/2/02 02:21:50 PM	6.3306	3684.59
12/2/02 02:22:40 PM	6.3444	3685.15
12/2/02 02:23:30 PM	6.3583	3685.63
12/2/02 02:24:20 PM	6.3722	3686.31
12/2/02 02:25:10 PM	6.3861	3687.14
12/2/02 02:26:00 PM	6.4000	3687.63
12/2/02 02:26:50 PM	6.4139	3688.20
12/2/02 02:27:10 PM	6.4194	3688.60
12/2/02 02:27:11 PM		
12/2/02 02:28:00 PM	6.4333	3702.14
12/2/02 02:28:50 PM	6.4472	3706.90
12/2/02 02:29:40 PM	6.4611	3710.10
12/2/02 02:30:30 PM	6.4750	3712.83
12/2/02 02:31:20 PM	6.4889	3715.42
12/2/02 02:32:10 PM	6.5028	3717.42
12/2/02 02:33:00 PM	6.5167	3719.41
12/2/02 02:33:50 PM	6.5306	3721.19
12/2/02 02:34:40 PM	6.5444	3722.85
12/2/02 02:35:30 PM	6.5583	3724.25
12/2/02 02:36:20 PM	6.5722	3725.63
12/2/02 02:37:10 PM	6.5861	3726.93
12/2/02 02:38:00 PM	6.6000	3727.90
12/2/02 02:38:50 PM	6.6139	3729.22
12/2/02 02:39:40 PM	6.6278	3730.58
12/2/02 02:40:30 PM	6.6417	3731.57
12/2/02 02:41:20 PM	6.6556	3732.67
12/2/02 02:42:10 PM	6.6694	3733.40
12/2/02 02:43:00 PM	6.6833	3734.29
12/2/02 02:43:50 PM	6.6972	3735.23
12/2/02 02:44:40 PM	6.7111	3735.99
12/2/02 02:45:30 PM	6.7250	3736.96
12/2/02 02:46:20 PM	6.7389	3737.83
12/2/02 02:47:10 PM	6.7528	3738.80
12/2/02 02:48:00 PM	6.7667	3739.45
12/2/02 02:48:50 PM	6.7806	3740.10
12/2/02 02:49:40 PM	6.7944	3741.03
12/2/02 02:50:30 PM	6.8083	3741.70
12/2/02 02:51:20 PM	6.8222	3742.58
12/2/02 02:52:10 PM	6.8361	3743.18
12/2/02 02:53:00 PM	6.8500	3743.82
12/2/02 02:53:50 PM	6.8639	3744.35
12/2/02 02:54:40 PM	6.8778	3745.13
12/2/02 02:55:30 PM	6.8917	3745.81

START 11TH RATE @ 275 BPD

12/2/02 02:56:20 PM	6.9056	3746.26
12/2/02 02:56:40 PM	6.9111	3746.73
12/2/02 02:56:41 PM		START 12TH RATE @ 300 BPD
12/2/02 02:57:30 PM	6.9250	3752.83
12/2/02 02:58:20 PM	6.9389	3756.14
12/2/02 02:59:10 PM	6.9528	3758.71
12/2/02 03:00:00 PM	6.9667	3760.83
12/2/02 03:00:50 PM	6.9806	3762.78
12/2/02 03:01:40 PM	6.9944	3763.88
12/2/02 03:02:30 PM	7.0083	3765.16
12/2/02 03:03:20 PM	7.0222	3766.62
12/2/02 03:04:10 PM	7.0361	3767.83
12/2/02 03:05:00 PM	7.0500	3768.83
12/2/02 03:05:50 PM	7.0639	3769.93
12/2/02 03:06:40 PM	7.0778	3770.74
12/2/02 03:07:30 PM	7.0917	3771.50
12/2/02 03:08:20 PM	7.1056	3772.29
12/2/02 03:09:10 PM	7.1194	3773.26
12/2/02 03:10:00 PM	7.1333	3774.12
12/2/02 03:10:50 PM	7.1472	3775.13
12/2/02 03:11:40 PM	7.1611	3776.08
12/2/02 03:12:30 PM	7.1750	3776.78
12/2/02 03:13:20 PM	7.1889	3777.34
12/2/02 03:14:10 PM	7.2028	3778.00
12/2/02 03:15:00 PM	7.2167	3778.53
12/2/02 03:15:50 PM	7.2306	3778.90
12/2/02 03:16:40 PM	7.2444	3779.11
12/2/02 03:17:30 PM	7.2583	3779.56
12/2/02 03:18:20 PM	7.2722	3780.26
12/2/02 03:19:10 PM	7.2861	3780.58
12/2/02 03:20:00 PM	7.3000	3781.16
12/2/02 03:20:50 PM	7.3139	3781.74
12/2/02 03:21:40 PM	7.3278	3781.94
12/2/02 03:22:30 PM	7.3417	3782.72
12/2/02 03:23:20 PM	7.3556	3782.87
12/2/02 03:24:10 PM	7.3694	3783.30
12/2/02 03:25:00 PM	7.3833	3783.66
12/2/02 03:25:50 PM	7.3972	3784.20
12/2/02 03:26:40 PM	7.4111	3784.50
12/2/02 03:27:00 PM	7.4167	3784.61
12/2/02 03:27:01 PM		START 13TH RATE @ 325 BPD
12/2/02 03:27:50 PM	7.4306	3785.40
12/2/02 03:28:40 PM	7.4444	3790.07
12/2/02 03:29:30 PM	7.4583	3792.52
12/2/02 03:30:20 PM	7.4722	3794.31
12/2/02 03:31:10 PM	7.4861	3796.14
12/2/02 03:32:00 PM	7.5000	3797.81
12/2/02 03:32:50 PM	7.5139	3798.86
12/2/02 03:33:40 PM	7.5278	3800.02
12/2/02 03:34:30 PM	7.5417	3801.00
12/2/02 03:35:20 PM	7.5556	3801.73

12/2/02 03:36:10 PM	7.5694	3802.66
12/2/02 03:37:00 PM	7.5833	3803.37
12/2/02 03:37:50 PM	7.5972	3804.24
12/2/02 03:38:40 PM	7.6111	3804.68
12/2/02 03:39:30 PM	7.6250	3805.38
12/2/02 03:40:20 PM	7.6389	3806.14
12/2/02 03:41:10 PM	7.6528	3806.89
12/2/02 03:42:00 PM	7.6667	3807.50
12/2/02 03:42:50 PM	7.6806	3808.09
12/2/02 03:43:40 PM	7.6944	3808.53
12/2/02 03:44:30 PM	7.7083	3809.15
12/2/02 03:45:20 PM	7.7222	3809.81
12/2/02 03:46:10 PM	7.7361	3810.13
12/2/02 03:47:00 PM	7.7500	3810.60
12/2/02 03:47:50 PM	7.7639	3810.95
12/2/02 03:48:40 PM	7.7778	3811.63
12/2/02 03:49:30 PM	7.7917	3812.08
12/2/02 03:50:20 PM	7.8056	3812.46
12/2/02 03:51:10 PM	7.8194	3813.08
12/2/02 03:52:00 PM	7.8333	3813.31
12/2/02 03:52:50 PM	7.8472	3813.67
12/2/02 03:53:40 PM	7.8611	3813.92
12/2/02 03:54:30 PM	7.8750	3814.49
12/2/02 03:55:20 PM	7.8889	3815.03
12/2/02 03:56:10 PM	7.9028	3815.23
12/2/02 03:56:40 PM	7.9111	3815.60
12/2/02 03:56:41 PM		
12/2/02 03:57:30 PM	7.9250	3819.87
12/2/02 03:58:20 PM	7.9389	3822.81
12/2/02 03:59:10 PM	7.9528	3824.87
12/2/02 04:00:00 PM	7.9667	3826.47
12/2/02 04:00:50 PM	7.9806	3827.69
12/2/02 04:01:40 PM	7.9944	3828.64
12/2/02 04:02:30 PM	8.0083	3829.64
12/2/02 04:03:20 PM	8.0222	3830.42
12/2/02 04:04:10 PM	8.0361	3831.19
12/2/02 04:05:00 PM	8.0500	3831.75
12/2/02 04:05:50 PM	8.0639	3832.57
12/2/02 04:06:40 PM	8.0778	3833.24
12/2/02 04:07:30 PM	8.0917	3833.61
12/2/02 04:08:20 PM	8.1056	3834.23
12/2/02 04:09:10 PM	8.1194	3834.54
12/2/02 04:10:00 PM	8.1333	3835.14
12/2/02 04:10:50 PM	8.1472	3835.64
12/2/02 04:11:40 PM	8.1611	3835.82
12/2/02 04:12:30 PM	8.1750	3836.34
12/2/02 04:13:20 PM	8.1889	3836.76
12/2/02 04:14:10 PM	8.2028	3837.49
12/2/02 04:15:00 PM	8.2167	3838.47
12/2/02 04:15:50 PM	8.2306	3839.40
12/2/02 04:16:40 PM	8.2444	3840.01

START 14TH RATE @ 350 BPD

12/2/02 04:17:30 PM	8.2583	3840.62
12/2/02 04:18:20 PM	8.2722	3841.08
12/2/02 04:19:10 PM	8.2861	3841.54
12/2/02 04:20:00 PM	8.3000	3842.07
12/2/02 04:20:50 PM	8.3139	3842.44
12/2/02 04:21:40 PM	8.3278	3842.69
12/2/02 04:22:30 PM	8.3417	3843.03
12/2/02 04:23:20 PM	8.3556	3843.65
12/2/02 04:24:10 PM	8.3694	3843.98
12/2/02 04:25:00 PM	8.3833	3844.25
12/2/02 04:25:50 PM	8.3972	3844.31
12/2/02 04:26:10 PM	8.4028	3844.49
12/2/02 04:26:11 PM		START 15TH RATE @ 375 BPD
12/2/02 04:27:00 PM	8.4167	3842.50
12/2/02 04:27:50 PM	8.4306	3847.34
12/2/02 04:28:40 PM	8.4444	3850.90
12/2/02 04:29:30 PM	8.4583	3852.86
12/2/02 04:30:20 PM	8.4722	3854.40
12/2/02 04:31:10 PM	8.4861	3855.66
12/2/02 04:32:00 PM	8.5000	3856.64
12/2/02 04:32:50 PM	8.5139	3857.54
12/2/02 04:33:40 PM	8.5278	3858.30
12/2/02 04:34:30 PM	8.5417	3858.76
12/2/02 04:35:20 PM	8.5556	3859.63
12/2/02 04:36:10 PM	8.5694	3860.29
12/2/02 04:37:00 PM	8.5833	3860.86
12/2/02 04:37:50 PM	8.5972	3861.38
12/2/02 04:38:40 PM	8.6111	3861.94
12/2/02 04:39:30 PM	8.6250	3862.51
12/2/02 04:40:20 PM	8.6389	3862.84
12/2/02 04:41:10 PM	8.6528	3863.49
12/2/02 04:42:00 PM	8.6667	3863.87
12/2/02 04:42:50 PM	8.6806	3864.31
12/2/02 04:43:40 PM	8.6944	3864.78
12/2/02 04:44:30 PM	8.7083	3865.06
12/2/02 04:45:20 PM	8.7222	3865.39
12/2/02 04:46:10 PM	8.7361	3865.61
12/2/02 04:47:00 PM	8.7500	3866.11
12/2/02 04:47:50 PM	8.7639	3866.53
12/2/02 04:48:40 PM	8.7778	3866.87
12/2/02 04:49:30 PM	8.7917	3867.20
12/2/02 04:50:20 PM	8.8056	3867.40
12/2/02 04:51:10 PM	8.8194	3867.78
12/2/02 04:52:00 PM	8.8333	3868.08
12/2/02 04:52:50 PM	8.8472	3868.40
12/2/02 04:53:10 PM	8.8528	3868.36
12/2/02 04:53:11 PM		START 16TH RATE @ 400 BPD
12/2/02 04:54:00 PM	8.8667	3869.79
12/2/02 04:54:50 PM	8.8806	3870.71
12/2/02 04:55:40 PM	8.8944	3871.61
12/2/02 04:56:30 PM	8.9083	3872.06

12/2/02 04:57:20 PM	8.9222	3872.70
12/2/02 04:58:10 PM	8.9361	3826.84
12/2/02 04:59:00 PM	8.9500	3813.50
12/2/02 04:59:40 PM	8.9611	3808.98
12/2/02 05:00:30 PM	8.9750	3829.63
12/2/02 05:01:20 PM	8.9889	3843.66
12/2/02 05:02:10 PM	9.0028	3853.51
12/2/02 05:03:00 PM	9.0167	3862.24
12/2/02 05:03:50 PM	9.0306	3868.82
12/2/02 05:04:40 PM	9.0444	3872.91
12/2/02 05:05:30 PM	9.0583	3877.18
12/2/02 05:06:20 PM	9.0722	3881.33
12/2/02 05:07:10 PM	9.0861	3884.45
12/2/02 05:08:00 PM	9.1000	3886.67
12/2/02 05:08:50 PM	9.1139	3889.23
12/2/02 05:09:40 PM	9.1278	3891.99
12/2/02 05:10:30 PM	9.1417	3894.18
12/2/02 05:11:20 PM	9.1556	3895.40
12/2/02 05:12:10 PM	9.1694	3897.20
12/2/02 05:13:00 PM	9.1833	3899.05
12/2/02 05:13:50 PM	9.1972	3900.91
12/2/02 05:14:40 PM	9.2111	3901.54
12/2/02 05:15:30 PM	9.2250	3902.98
12/2/02 05:16:20 PM	9.2389	3904.48
12/2/02 05:17:10 PM	9.2528	3905.13
12/2/02 05:18:00 PM	9.2667	3905.41
12/2/02 05:18:50 PM	9.2806	3906.53
12/2/02 05:19:40 PM	9.2944	3907.65
12/2/02 05:20:30 PM	9.3083	3909.05
12/2/02 05:21:20 PM	9.3222	3909.26
12/2/02 05:22:10 PM	9.3361	3909.78
12/2/02 05:23:00 PM	9.3500	3911.28
12/2/02 05:23:50 PM	9.3639	3912.44
12/2/02 05:24:40 PM	9.3778	3912.68
12/2/02 05:25:30 PM	9.3917	3912.92
12/2/02 05:26:20 PM	9.4056	3914.48
12/2/02 05:27:10 PM	9.4194	3915.52
12/2/02 05:27:11 PM		START 17TH RATE @ 425 BPD
12/2/02 05:28:00 PM	9.4333	3916.13
12/2/02 05:28:50 PM	9.4472	3917.41
12/2/02 05:29:40 PM	9.4611	3918.84
12/2/02 05:30:30 PM	9.4750	3920.08
12/2/02 05:31:20 PM	9.4889	3921.19
12/2/02 05:32:10 PM	9.5028	3921.83
12/2/02 05:33:00 PM	9.5167	3923.01
12/2/02 05:33:50 PM	9.5306	3924.07
12/2/02 05:34:40 PM	9.5444	3925.45
12/2/02 05:35:30 PM	9.5583	3926.10
12/2/02 05:36:20 PM	9.5722	3926.29
12/2/02 05:37:10 PM	9.5861	3927.53
12/2/02 05:38:00 PM	9.6000	3928.43

12/2/02 05:38:50 PM	9.6139	3928.44
12/2/02 05:39:40 PM	9.6278	3928.43
12/2/02 05:40:30 PM	9.6417	3929.28
12/2/02 05:41:20 PM	9.6556	3929.82
12/2/02 05:42:10 PM	9.6694	3929.54
12/2/02 05:42:40 PM	9.6778	3930.22
12/2/02 05:43:30 PM	9.6917	3929.73
12/2/02 05:44:20 PM	9.7056	3928.62
12/2/02 05:45:10 PM	9.7194	3927.43
12/2/02 05:46:00 PM	9.7333	3927.04
12/2/02 05:46:50 PM	9.7472	3925.18
12/2/02 05:47:40 PM	9.7611	3922.61
12/2/02 05:48:30 PM	9.7750	3921.15
12/2/02 05:49:20 PM	9.7889	3921.92
12/2/02 05:50:10 PM	9.8028	3921.79
12/2/02 05:51:00 PM	9.8167	3919.79
12/2/02 05:51:50 PM	9.8306	3917.74
12/2/02 05:52:40 PM	9.8444	3919.23
12/2/02 05:53:30 PM	9.8583	3920.34
12/2/02 05:54:20 PM	9.8722	3918.37
12/2/02 05:55:10 PM	9.8861	3917.17
12/2/02 05:56:00 PM	9.9000	3918.61
12/2/02 05:56:50 PM	9.9139	3920.16
12/2/02 05:57:40 PM	9.9278	3919.86
12/2/02 05:57:50 PM	9.9306	3920.07
12/2/02 05:57:51 PM		START 18TH RATE @ 450 BPD
12/2/02 05:58:40 PM	9.9444	3925.58
12/2/02 05:59:30 PM	9.9583	3927.96
12/2/02 06:00:20 PM	9.9722	3928.73
12/2/02 06:01:10 PM	9.9861	3930.76
12/2/02 06:02:00 PM	10.0000	3933.62
12/2/02 06:02:50 PM	10.0139	3935.63
12/2/02 06:03:40 PM	10.0278	3935.85
12/2/02 06:04:30 PM	10.0417	3935.95
12/2/02 06:05:20 PM	10.0556	3937.21
12/2/02 06:06:10 PM	10.0694	3939.24
12/2/02 06:07:00 PM	10.0833	3940.23
12/2/02 06:07:50 PM	10.0972	3939.85
12/2/02 06:08:40 PM	10.1111	3940.07
12/2/02 06:09:30 PM	10.1250	3941.22
12/2/02 06:10:20 PM	10.1389	3943.05
12/2/02 06:11:10 PM	10.1528	3942.37
12/2/02 06:12:00 PM	10.1667	3941.61
12/2/02 06:12:50 PM	10.1806	3942.92
12/2/02 06:13:40 PM	10.1944	3944.10
12/2/02 06:14:30 PM	10.2083	3944.88
12/2/02 06:15:20 PM	10.2222	3944.27
12/2/02 06:16:10 PM	10.2361	3943.63
12/2/02 06:17:00 PM	10.2500	3944.49
12/2/02 06:17:50 PM	10.2639	3946.00
12/2/02 06:18:40 PM	10.2778	3946.01

12/2/02 06:19:30 PM	10.2917	3945.49
12/2/02 06:20:20 PM	10.3056	3945.47
12/2/02 06:21:10 PM	10.3194	3946.45
12/2/02 06:22:00 PM	10.3333	3947.91
12/2/02 06:22:50 PM	10.3472	3947.44
12/2/02 06:23:40 PM	10.3611	3946.37
12/2/02 06:24:30 PM	10.3750	3947.65
12/2/02 06:25:20 PM	10.3889	3948.65
12/2/02 06:26:10 PM	10.4028	3949.44
12/2/02 06:27:00 PM	10.4167	3948.62
12/2/02 06:27:40 PM	10.4278	3948.08
12/2/02 06:27:41 PM		
12/2/02 06:28:30 PM	10.4417	3949.43
12/2/02 06:29:20 PM	10.4556	3950.74
12/2/02 06:30:10 PM	10.4694	3951.66
12/2/02 06:31:00 PM	10.4833	3951.26
12/2/02 06:31:50 PM	10.4972	3950.74
12/2/02 06:32:40 PM	10.5111	3951.62
12/2/02 06:33:30 PM	10.5250	3953.03
12/2/02 06:34:20 PM	10.5389	3953.53
12/2/02 06:35:10 PM	10.5528	3953.13
12/2/02 06:36:00 PM	10.5667	3952.95
12/2/02 06:36:50 PM	10.5806	3953.93
12/2/02 06:37:40 PM	10.5944	3955.30
12/2/02 06:38:30 PM	10.6083	3955.48
12/2/02 06:39:20 PM	10.6222	3955.23
12/2/02 06:40:10 PM	10.6361	3955.00
12/2/02 06:41:00 PM	10.6500	3955.83
12/2/02 06:41:50 PM	10.6639	3957.22
12/2/02 06:42:40 PM	10.6778	3957.30
12/2/02 06:43:30 PM	10.6917	3956.96
12/2/02 06:44:20 PM	10.7056	3956.90
12/2/02 06:45:10 PM	10.7194	3957.69
12/2/02 06:46:00 PM	10.7333	3958.81
12/2/02 06:46:50 PM	10.7472	3958.56
12/2/02 06:47:40 PM	10.7611	3957.92
12/2/02 06:48:30 PM	10.7750	3957.76
12/2/02 06:49:20 PM	10.7889	3958.38
12/2/02 06:50:10 PM	10.8028	3959.41
12/2/02 06:51:00 PM	10.8167	3959.29
12/2/02 06:51:50 PM	10.8306	3958.39
12/2/02 06:52:40 PM	10.8444	3958.62
12/2/02 06:53:30 PM	10.8583	3959.31
12/2/02 06:54:20 PM	10.8722	3960.52
12/2/02 06:55:10 PM	10.8861	3960.20
12/2/02 06:56:00 PM	10.9000	3959.46
12/2/02 06:56:50 PM	10.9139	3959.77
12/2/02 06:57:40 PM	10.9278	3960.62
12/2/02 06:58:30 PM	10.9417	3961.80
12/2/02 06:59:20 PM	10.9556	3961.38
12/2/02 06:59:30 PM	10.9583	3961.35

START 19TH RATE @ 475 BPD

12/2/02 06:59:31 PM
12/2/02 09:30:00 PM

END FINAL RATE, OFF BOTTOM W/ GAUGES
RIG DOWN, LEAVE LOCATION



OPERATIONS LOG

COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN # 205
FIELD (FORMATION): ()
COUNTY: EDDY
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: JOE CLEMENTS
FIELD REP: RODNEY LONG
JOB RUN BY: MAX WHEELER
DATA PREPARED BY: ROD DODSON
INSTRUMENT: A-39

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 56461B
------	------	-----	-------------------------------------

12/4/02 07:30:00 AM			ON LOCATION
12/4/02 09:04:00 AM			START GAUGE #A-39
12/4/02 10:18:00 AM	1912		IN LUBRICATOR W/ GAUGES
12/4/02 10:31:00 AM			SET DOWN W/ GAUGES @ 2612', RETRIEVE GAUGES
12/4/02 11:54:00 AM			BACK IN LUBRICATOR W/ GAUGES
12/4/02 12:09:00 PM	1904		ON BOTTOM W/ GAUGES @ 4190'
12/4/02 12:15:31 PM	1904		START 1ST RATE @ 25 BPD
12/4/02 12:46:31 PM	1930		START 2ND RATE @ 50 BPD
12/4/02 01:15:31 PM	1968		START 3RD RATE @ 75 BPD
12/4/02 01:45:01 PM	2006		START 4TH RATE @ 100 BPD
12/4/02 02:15:31 PM	2044		START 5TH RATE @ 125 BPD
12/4/02 02:44:01 PM	2074		START 6TH RATE @ 150 BPD
12/4/02 03:14:01 PM	2092		START 7TH RATE @ 175 BPD
12/4/02 03:45:31 PM	2112		START 8TH RATE @ 200 BPD
12/4/02 04:15:01 PM	2152		START 9TH RATE @ 225 BPD
12/4/02 04:45:01 PM	2208		START 10TH RATE @ 250 BPD
12/4/02 05:14:01 PM	2290		START 11TH RATE @ 275 BPD

12/4/02 05:44:01 PM 2300 START 12TH RATE @ 300 BPD

12/4/02 06:15:01 PM 2315 END 12TH RATE



COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN # 205
FIELD (FORMATION): ()
COUNTY: EDDY
STATE: NM

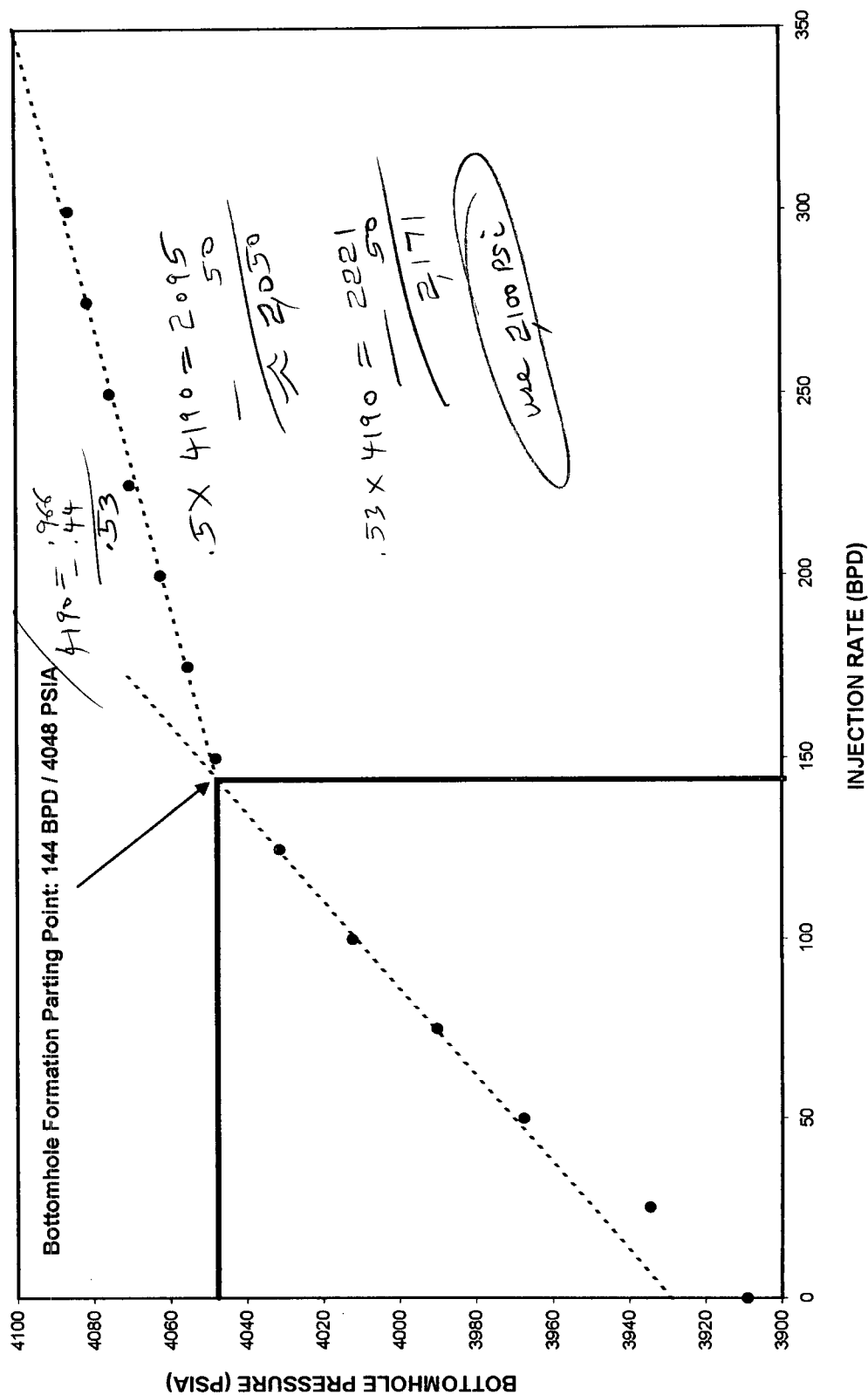
TEST DATES: 12/4/02 - 12/4/02
RUN DEPTH: 4190
INSTRUMENT: A-39

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 56461B
12/4/02 12:15:30 PM	3.1917	3908.98	1904.00	0.00	
12/4/02 12:46:30 PM	3.7083	3934.54	1930.00	25.00	
12/4/02 01:15:30 PM	4.1917	3967.48	1968.00	50.00	
12/4/02 01:45:00 PM	4.6833	3990.15	2006.00	75.00	
12/4/02 02:15:30 PM	5.1917	4012.24	2044.00	100.00	
12/4/02 02:44:00 PM	5.6667	4031.40	2074.00	125.00	
12/4/02 03:14:00 PM	6.1667	4048.05	2092.00	150.00	
12/4/02 03:45:30 PM	6.6917	4055.23	2112.00	175.00	
12/4/02 04:15:00 PM	7.1833	4062.31	2152.00	200.00	
12/4/02 04:45:00 PM	7.6833	4070.33	2208.00	225.00	
12/4/02 05:14:00 PM	8.1667	4075.43	2290.00	250.00	
12/4/02 05:44:00 PM	8.6667	4081.25	2300.00	275.00	
12/4/02 06:15:00 PM	9.1833	4086.11	2315.00	300.00	



COMPANY: SAGA PETROLEUM CORP. FIELD: 56461B
LEASE: CENTRAL CORBIN QUEEN COUNTY: EDDY TEST DATE: 12/4/02
WELL NUMBER: 205 STATE: NM

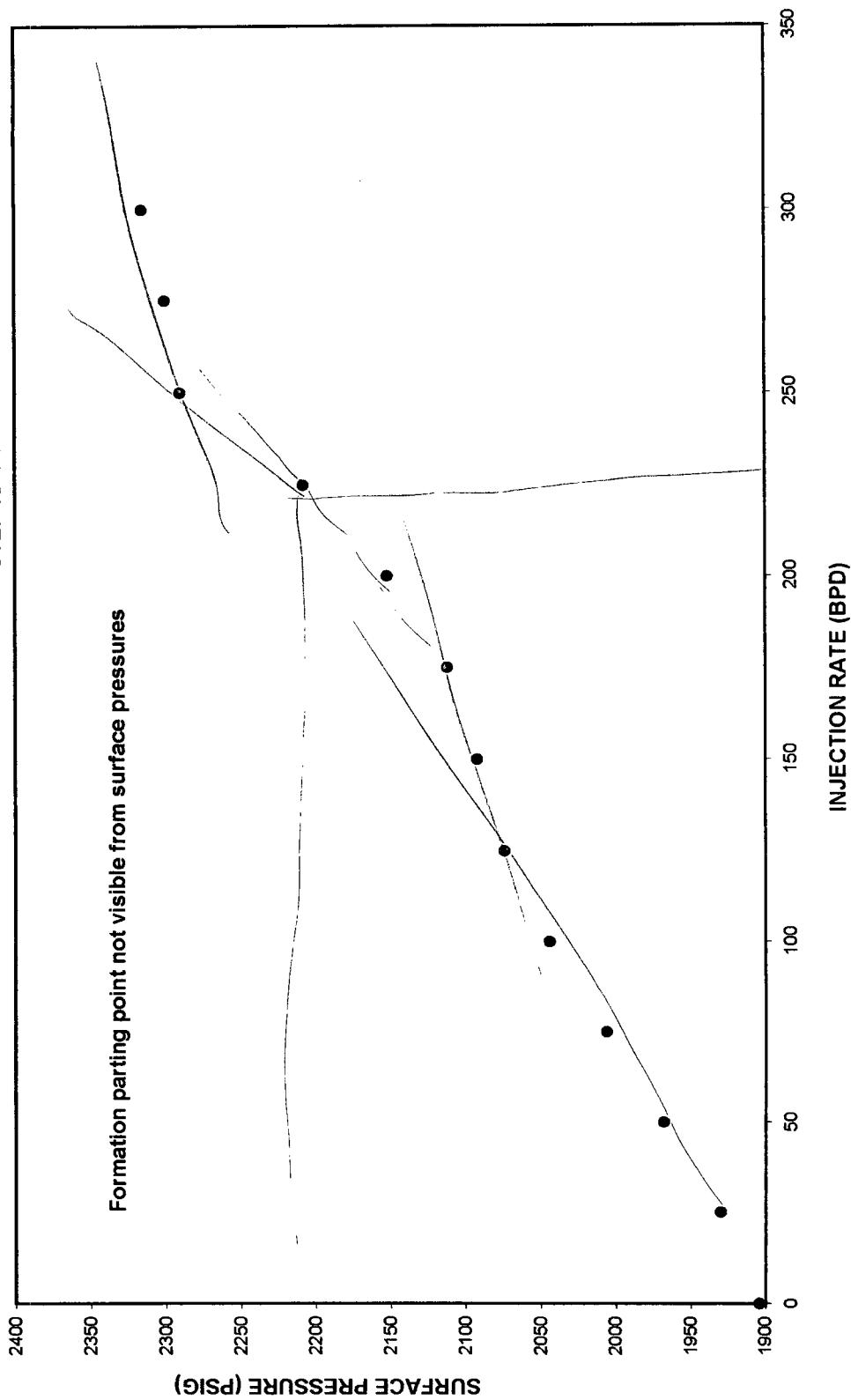
STEP-RATE TEST - BHP VS. INJECTION RATE

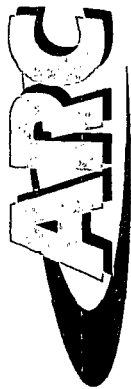




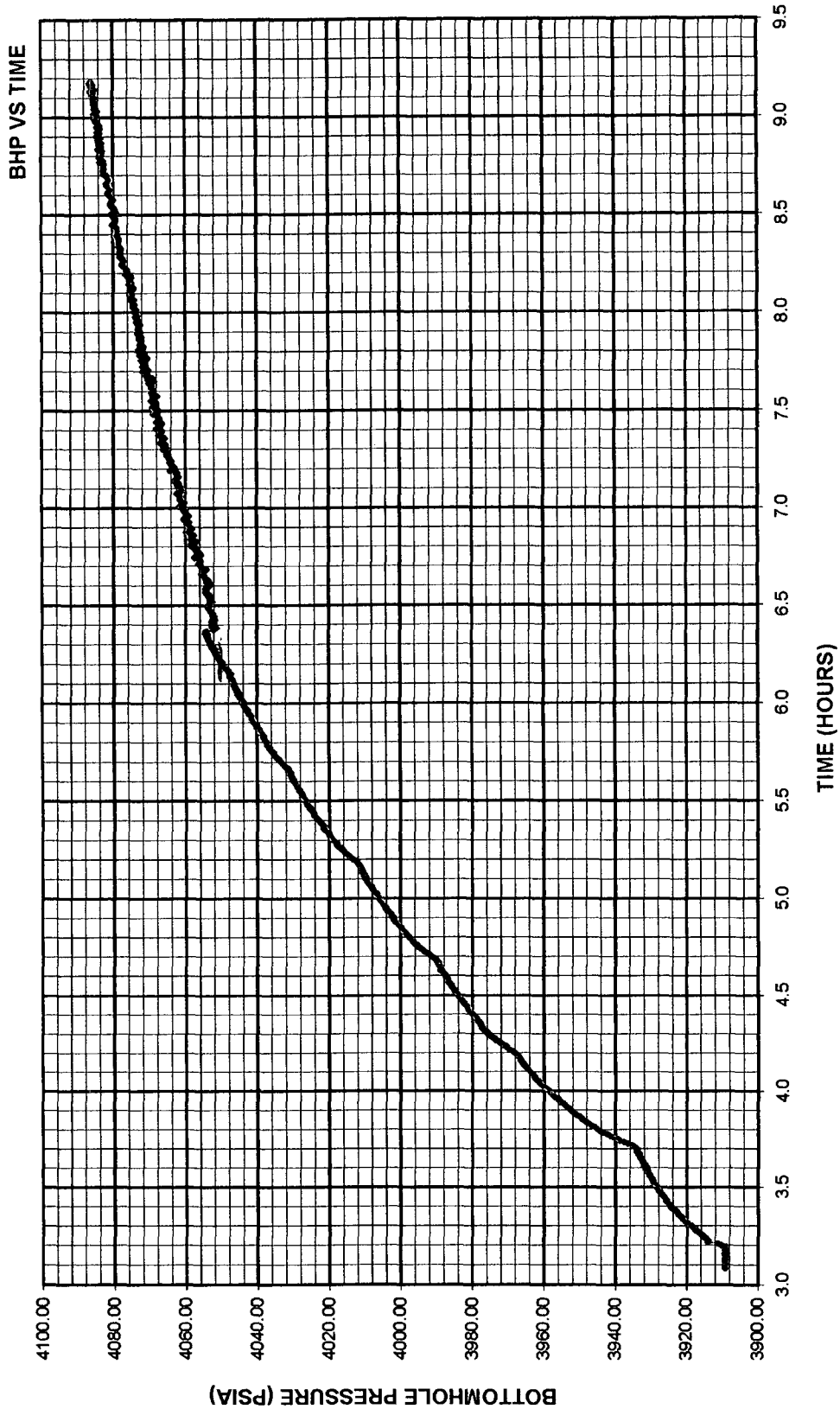
COMPANY: SAGA PETROLEUM CORP. FIELD: 56461B JOB # 56461B
LEASE: CENTRAL CORBIN QUEEN COUNTY: EDDY TEST DATE: 12/4/02
WELL NUMBER: 205 STATE: NM

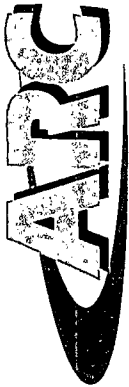
STEP-RATE TEST - WHP VS. INJECTION RATE



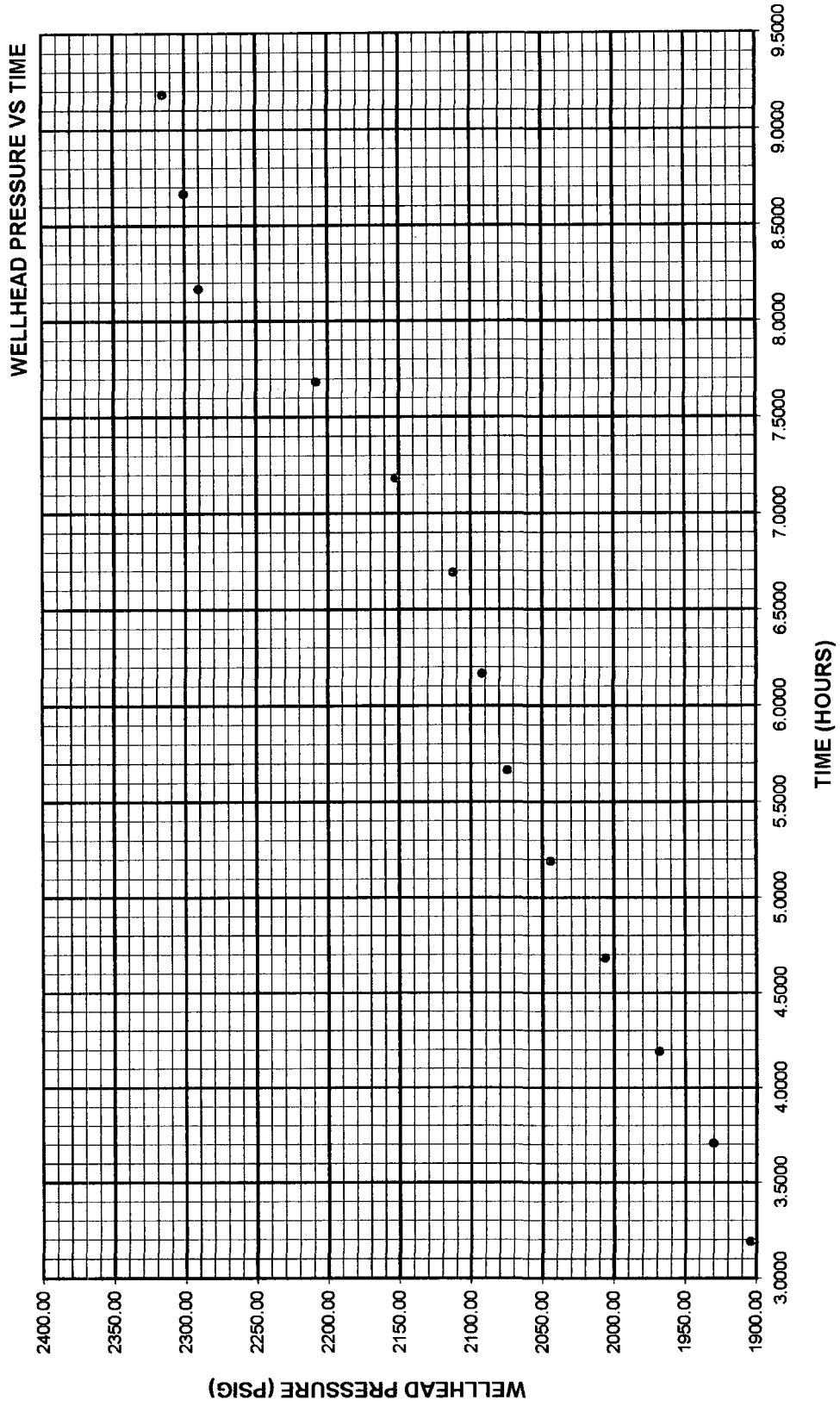


COMPANY: SAGA PETROLEUM CORP. FIELD: EDDY COUNTY: NM
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 205
JOB # 58461B
TEST DATE: 12/4/02
12/4/02





COMPANY: SAGA PETROLEUM CORP. FIELD: JOB # 56461B
LEASE: CENTRAL CORBIN QUEEN COUNTY: EDDY TEST DATE: 12/4/02
WELL NUMBER: 205 STATE: NM

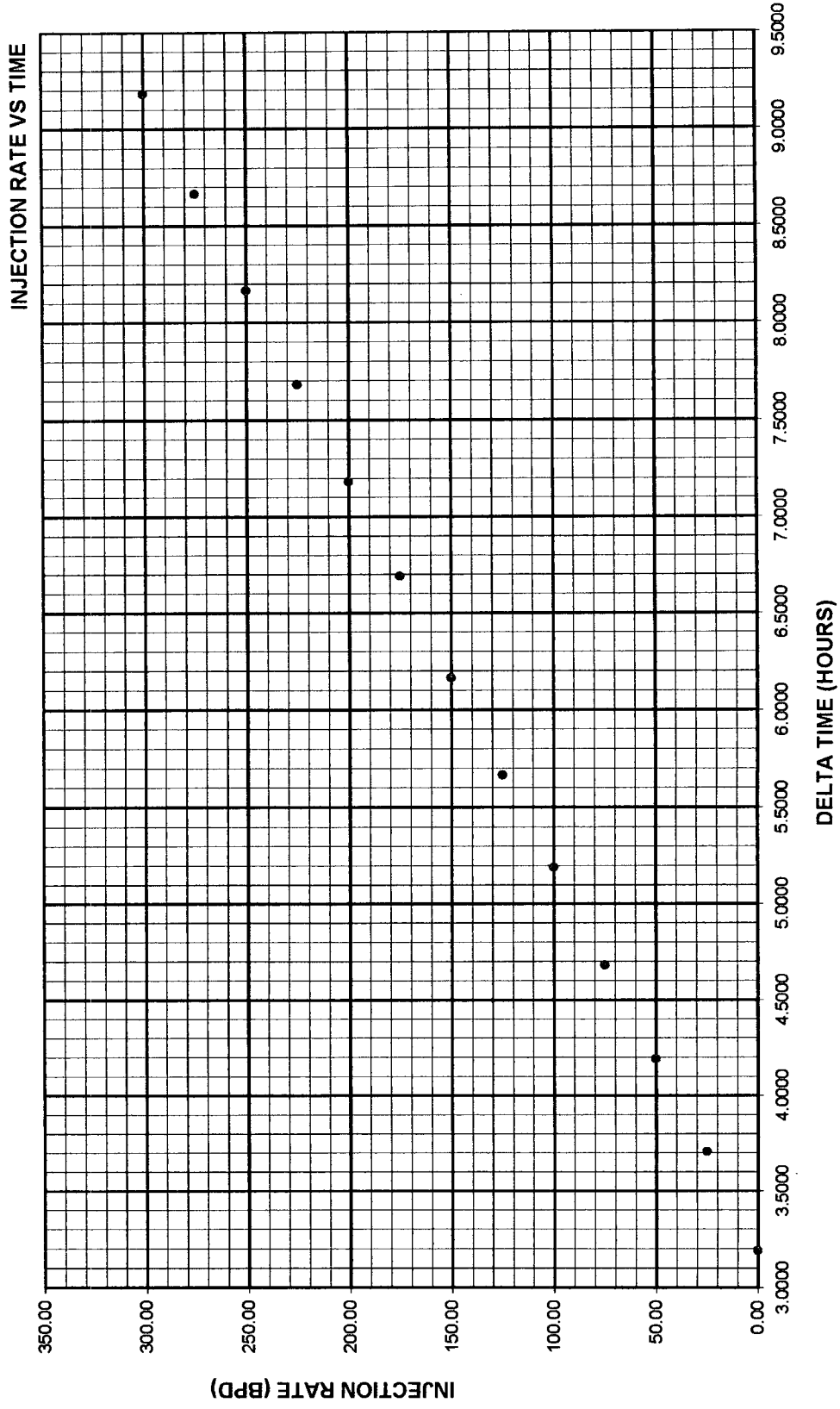




COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN
WELL NUMBER: 205

FIELD: COUNTY: EDDY
STATE: NM

JOB # 56461B
TEST DATE: 12/4/02
12/4/02





COMPANY: SAGA PETROLEUM CORP.
 LEASE: CENTRAL CORBIN QUEEN # 205
 FIELD (FORMATION): ()
 COUNTY: EDDY
 STATE: NM

TEST DATES: 12/4/02 - 12/4/02
 RUN DEPTH: 4190
 INSTRUMENT: A-39

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56461B
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12/04/02 07:30:00 AM			ON LOCATION
12/04/02 09:04:00 AM			START GAUGE #A-39
12/04/02 10:18:00 AM			IN LUBRICATOR W/ GAUGES
12/04/02 10:31:00 AM			SET DOWN W/ GAUGES @ 2612', RETRIEVE GAUGES
12/04/02 11:54:00 AM			BACK IN LUBRICATOR W/ GAUGES
12/04/02 12:09:00 PM			ON BOTTOM W/ GAUGES @ 4190'
12/04/02 12:09:00 PM	3.0833	3909.19	
12/04/02 12:09:30 PM	3.0917	3909.11	
12/04/02 12:10:00 PM	3.1000	3908.93	
12/04/02 12:10:30 PM	3.1083	3909.03	
12/04/02 12:11:00 PM	3.1167	3909.21	
12/04/02 12:11:30 PM	3.1250	3909.11	
12/04/02 12:12:00 PM	3.1333	3909.19	
12/04/02 12:12:30 PM	3.1417	3909.03	
12/04/02 12:13:00 PM	3.1500	3909.08	
12/04/02 12:13:30 PM	3.1583	3909.25	
12/04/02 12:14:00 PM	3.1667	3908.99	
12/04/02 12:14:30 PM	3.1750	3909.07	
12/04/02 12:15:00 PM	3.1833	3908.90	
12/04/02 12:15:30 PM	3.1917	3908.98	
12/04/02 12:15:31 PM			START 1ST RATE @ 25 BPD
12/04/02 12:16:00 PM	3.2000	3910.20	
12/04/02 12:16:30 PM	3.2083	3911.12	
12/04/02 12:17:00 PM	3.2167	3913.96	
12/04/02 12:17:30 PM	3.2250	3913.89	
12/04/02 12:18:00 PM	3.2333	3914.38	
12/04/02 12:18:30 PM	3.2417	3915.21	
12/04/02 12:19:00 PM	3.2500	3915.46	
12/04/02 12:19:30 PM	3.2583	3916.13	
12/04/02 12:20:00 PM	3.2667	3916.71	
12/04/02 12:20:30 PM	3.2750	3917.57	

12/04/02 12:21:00 PM	3.2833	3917.67
12/04/02 12:21:30 PM	3.2917	3918.33
12/04/02 12:22:00 PM	3.3000	3918.79
12/04/02 12:22:30 PM	3.3083	3919.55
12/04/02 12:23:00 PM	3.3167	3920.03
12/04/02 12:23:30 PM	3.3250	3920.58
12/04/02 12:24:00 PM	3.3333	3921.07
12/04/02 12:24:30 PM	3.3417	3921.20
12/04/02 12:25:00 PM	3.3500	3921.81
12/04/02 12:25:30 PM	3.3583	3922.34
12/04/02 12:26:00 PM	3.3667	3922.63
12/04/02 12:26:30 PM	3.3750	3922.94
12/04/02 12:27:00 PM	3.3833	3923.65
12/04/02 12:27:30 PM	3.3917	3924.42
12/04/02 12:28:00 PM	3.4000	3924.48
12/04/02 12:28:30 PM	3.4083	3924.57
12/04/02 12:29:00 PM	3.4167	3925.16
12/04/02 12:29:30 PM	3.4250	3925.71
12/04/02 12:30:00 PM	3.4333	3925.73
12/04/02 12:30:30 PM	3.4417	3926.05
12/04/02 12:31:00 PM	3.4500	3926.34
12/04/02 12:31:30 PM	3.4583	3926.82
12/04/02 12:32:00 PM	3.4667	3927.15
12/04/02 12:32:30 PM	3.4750	3927.65
12/04/02 12:33:00 PM	3.4833	3927.58
12/04/02 12:33:30 PM	3.4917	3928.15
12/04/02 12:34:00 PM	3.5000	3928.26
12/04/02 12:34:30 PM	3.5083	3928.48
12/04/02 12:35:00 PM	3.5167	3929.04
12/04/02 12:35:30 PM	3.5250	3929.29
12/04/02 12:36:00 PM	3.5333	3929.42
12/04/02 12:36:30 PM	3.5417	3929.61
12/04/02 12:37:00 PM	3.5500	3929.93
12/04/02 12:37:30 PM	3.5583	3930.25
12/04/02 12:38:00 PM	3.5667	3930.42
12/04/02 12:38:30 PM	3.5750	3930.81
12/04/02 12:39:00 PM	3.5833	3930.85
12/04/02 12:39:30 PM	3.5917	3931.44
12/04/02 12:40:00 PM	3.6000	3931.20
12/04/02 12:40:30 PM	3.6083	3931.90
12/04/02 12:41:00 PM	3.6167	3931.84
12/04/02 12:41:30 PM	3.6250	3932.27
12/04/02 12:42:00 PM	3.6333	3932.38
12/04/02 12:42:30 PM	3.6417	3932.57
12/04/02 12:43:00 PM	3.6500	3933.03
12/04/02 12:43:30 PM	3.6583	3933.15
12/04/02 12:44:00 PM	3.6667	3933.44
12/04/02 12:44:30 PM	3.6750	3933.37
12/04/02 12:45:00 PM	3.6833	3934.01
12/04/02 12:45:30 PM	3.6917	3933.91
12/04/02 12:46:00 PM	3.7000	3934.08

12/04/02 12:46:30 PM	3.7083	3934.54
12/04/02 12:46:31 PM		START 2ND RATE @ 50 BPD
12/04/02 12:47:00 PM	3.7167	3935.28
12/04/02 12:47:30 PM	3.7250	3936.32
12/04/02 12:48:00 PM	3.7333	3937.48
12/04/02 12:48:30 PM	3.7417	3938.80
12/04/02 12:49:00 PM	3.7500	3939.46
12/04/02 12:49:30 PM	3.7583	3940.45
12/04/02 12:50:00 PM	3.7667	3941.46
12/04/02 12:50:30 PM	3.7750	3942.31
12/04/02 12:51:00 PM	3.7833	3943.21
12/04/02 12:51:30 PM	3.7917	3944.28
12/04/02 12:52:00 PM	3.8000	3944.99
12/04/02 12:52:30 PM	3.8083	3945.46
12/04/02 12:53:00 PM	3.8167	3946.49
12/04/02 12:53:30 PM	3.8250	3947.11
12/04/02 12:54:00 PM	3.8333	3947.97
12/04/02 12:54:30 PM	3.8417	3948.20
12/04/02 12:55:00 PM	3.8500	3949.11
12/04/02 12:55:30 PM	3.8583	3949.41
12/04/02 12:56:00 PM	3.8667	3949.89
12/04/02 12:56:30 PM	3.8750	3950.82
12/04/02 12:57:00 PM	3.8833	3951.49
12/04/02 12:57:30 PM	3.8917	3951.91
12/04/02 12:58:00 PM	3.9000	3952.36
12/04/02 12:58:30 PM	3.9083	3952.81
12/04/02 12:59:00 PM	3.9167	3953.44
12/04/02 12:59:30 PM	3.9250	3953.91
12/04/02 01:00:00 PM	3.9333	3954.30
12/04/02 01:00:30 PM	3.9417	3955.09
12/04/02 01:01:00 PM	3.9500	3955.63
12/04/02 01:01:30 PM	3.9583	3955.94
12/04/02 01:02:00 PM	3.9667	3956.80
12/04/02 01:02:30 PM	3.9750	3957.30
12/04/02 01:03:00 PM	3.9833	3957.64
12/04/02 01:03:30 PM	3.9917	3958.11
12/04/02 01:04:00 PM	4.0000	3958.42
12/04/02 01:04:30 PM	4.0083	3959.00
12/04/02 01:05:00 PM	4.0167	3959.48
12/04/02 01:05:30 PM	4.0250	3960.06
12/04/02 01:06:00 PM	4.0333	3960.49
12/04/02 01:06:30 PM	4.0417	3960.95
12/04/02 01:07:00 PM	4.0500	3961.13
12/04/02 01:07:30 PM	4.0583	3961.84
12/04/02 01:08:00 PM	4.0667	3962.28
12/04/02 01:08:30 PM	4.0750	3962.53
12/04/02 01:09:00 PM	4.0833	3962.87
12/04/02 01:09:30 PM	4.0917	3963.22
12/04/02 01:10:00 PM	4.1000	3963.67
12/04/02 01:10:30 PM	4.1083	3964.15
12/04/02 01:11:00 PM	4.1167	3964.58

12/04/02 01:11:30 PM	4.1250	3964.80
12/04/02 01:12:00 PM	4.1333	3965.47
12/04/02 01:12:30 PM	4.1417	3965.52
12/04/02 01:13:00 PM	4.1500	3966.00
12/04/02 01:13:30 PM	4.1583	3966.35
12/04/02 01:14:00 PM	4.1667	3966.43
12/04/02 01:14:30 PM	4.1750	3966.83
12/04/02 01:15:00 PM	4.1833	3967.08
12/04/02 01:15:30 PM	4.1917	3967.48
12/04/02 01:15:31 PM		START 3RD RATE @ 75 BPD
12/04/02 01:16:00 PM	4.2000	3968.09
12/04/02 01:16:30 PM	4.2083	3968.68
12/04/02 01:17:00 PM	4.2167	3969.48
12/04/02 01:17:30 PM	4.2250	3970.07
12/04/02 01:18:00 PM	4.2333	3970.41
12/04/02 01:18:30 PM	4.2417	3971.21
12/04/02 01:19:00 PM	4.2500	3971.91
12/04/02 01:19:30 PM	4.2583	3972.50
12/04/02 01:20:00 PM	4.2667	3973.37
12/04/02 01:20:30 PM	4.2750	3973.68
12/04/02 01:21:00 PM	4.2833	3974.63
12/04/02 01:21:30 PM	4.2917	3974.96
12/04/02 01:22:00 PM	4.3000	3975.54
12/04/02 01:22:30 PM	4.3083	3975.90
12/04/02 01:23:00 PM	4.3167	3976.58
12/04/02 01:23:30 PM	4.3250	3977.15
12/04/02 01:24:00 PM	4.3333	3977.20
12/04/02 01:24:30 PM	4.3417	3977.50
12/04/02 01:25:00 PM	4.3500	3977.68
12/04/02 01:25:30 PM	4.3583	3978.22
12/04/02 01:26:00 PM	4.3667	3978.26
12/04/02 01:26:30 PM	4.3750	3978.87
12/04/02 01:27:00 PM	4.3833	3978.86
12/04/02 01:27:30 PM	4.3917	3979.53
12/04/02 01:28:00 PM	4.4000	3979.69
12/04/02 01:28:30 PM	4.4083	3980.19
12/04/02 01:29:00 PM	4.4167	3980.56
12/04/02 01:29:30 PM	4.4250	3981.02
12/04/02 01:30:00 PM	4.4333	3981.11
12/04/02 01:30:30 PM	4.4417	3981.34
12/04/02 01:31:00 PM	4.4500	3982.10
12/04/02 01:31:30 PM	4.4583	3982.42
12/04/02 01:32:00 PM	4.4667	3982.37
12/04/02 01:32:30 PM	4.4750	3982.92
12/04/02 01:33:00 PM	4.4833	3983.29
12/04/02 01:33:30 PM	4.4917	3983.60
12/04/02 01:34:00 PM	4.5000	3983.88
12/04/02 01:34:30 PM	4.5083	3984.12
12/04/02 01:35:00 PM	4.5167	3984.61
12/04/02 01:35:30 PM	4.5250	3984.84
12/04/02 01:36:00 PM	4.5333	3985.17

12/04/02 01:36:30 PM	4.5417	3985.61
12/04/02 01:37:00 PM	4.5500	3985.72
12/04/02 01:37:30 PM	4.5583	3986.15
12/04/02 01:38:00 PM	4.5667	3986.51
12/04/02 01:38:30 PM	4.5750	3986.81
12/04/02 01:39:00 PM	4.5833	3986.78
12/04/02 01:39:30 PM	4.5917	3987.20
12/04/02 01:40:00 PM	4.6000	3987.28
12/04/02 01:40:30 PM	4.6083	3987.78
12/04/02 01:41:00 PM	4.6167	3987.97
12/04/02 01:41:30 PM	4.6250	3988.62
12/04/02 01:42:00 PM	4.6333	3988.73
12/04/02 01:42:30 PM	4.6417	3988.68
12/04/02 01:43:00 PM	4.6500	3989.10
12/04/02 01:43:30 PM	4.6583	3989.36
12/04/02 01:44:00 PM	4.6667	3989.36
12/04/02 01:44:30 PM	4.6750	3989.88
12/04/02 01:45:00 PM	4.6833	3990.15
12/04/02 01:45:01 PM		START 4TH RATE @ 100 BPD
12/04/02 01:45:30 PM	4.6917	3990.78
12/04/02 01:46:00 PM	4.7000	3991.44
12/04/02 01:46:30 PM	4.7083	3991.82
12/04/02 01:47:00 PM	4.7167	3992.62
12/04/02 01:47:30 PM	4.7250	3993.34
12/04/02 01:48:00 PM	4.7333	3993.76
12/04/02 01:48:30 PM	4.7417	3994.38
12/04/02 01:49:00 PM	4.7500	3995.12
12/04/02 01:49:30 PM	4.7583	3995.33
12/04/02 01:50:00 PM	4.7667	3996.06
12/04/02 01:50:30 PM	4.7750	3996.44
12/04/02 01:51:00 PM	4.7833	3996.54
12/04/02 01:51:30 PM	4.7917	3997.25
12/04/02 01:52:00 PM	4.8000	3997.40
12/04/02 01:52:30 PM	4.8083	3997.92
12/04/02 01:53:00 PM	4.8167	3998.50
12/04/02 01:53:30 PM	4.8250	3998.72
12/04/02 01:54:00 PM	4.8333	3999.32
12/04/02 01:54:30 PM	4.8417	3999.62
12/04/02 01:55:00 PM	4.8500	3999.81
12/04/02 01:55:30 PM	4.8583	4000.29
12/04/02 01:56:00 PM	4.8667	4000.62
12/04/02 01:56:30 PM	4.8750	4001.30
12/04/02 01:57:00 PM	4.8833	4001.70
12/04/02 01:57:30 PM	4.8917	4001.72
12/04/02 01:58:00 PM	4.9000	4001.90
12/04/02 01:58:30 PM	4.9083	4002.52
12/04/02 01:59:00 PM	4.9167	4002.52
12/04/02 01:59:30 PM	4.9250	4003.35
12/04/02 02:00:00 PM	4.9333	4003.40
12/04/02 02:00:30 PM	4.9417	4003.92
12/04/02 02:01:00 PM	4.9500	4003.94

12/04/02 02:01:30 PM	4.9583	4004.40
12/04/02 02:02:00 PM	4.9667	4004.60
12/04/02 02:02:30 PM	4.9750	4004.86
12/04/02 02:03:00 PM	4.9833	4005.42
12/04/02 02:03:30 PM	4.9917	4005.64
12/04/02 02:04:00 PM	5.0000	4005.98
12/04/02 02:04:30 PM	5.0083	4006.34
12/04/02 02:05:00 PM	5.0167	4007.01
12/04/02 02:05:30 PM	5.0250	4006.68
12/04/02 02:06:00 PM	5.0333	4007.27
12/04/02 02:06:30 PM	5.0417	4007.63
12/04/02 02:07:00 PM	5.0500	4007.88
12/04/02 02:07:30 PM	5.0583	4008.13
12/04/02 02:08:00 PM	5.0667	4008.30
12/04/02 02:08:30 PM	5.0750	4008.80
12/04/02 02:09:00 PM	5.0833	4009.19
12/04/02 02:09:30 PM	5.0917	4009.07
12/04/02 02:10:00 PM	5.1000	4009.71
12/04/02 02:10:30 PM	5.1083	4009.69
12/04/02 02:11:00 PM	5.1167	4010.19
12/04/02 02:11:30 PM	5.1250	4010.12
12/04/02 02:12:00 PM	5.1333	4010.63
12/04/02 02:12:30 PM	5.1417	4010.72
12/04/02 02:13:00 PM	5.1500	4010.93
12/04/02 02:13:30 PM	5.1583	4011.04
12/04/02 02:14:00 PM	5.1667	4011.41
12/04/02 02:14:30 PM	5.1750	4011.73
12/04/02 02:15:00 PM	5.1833	4012.00
12/04/02 02:15:30 PM	5.1917	4012.24
12/04/02 02:15:31 PM		START 5TH RATE @ 125 BPD
12/04/02 02:16:00 PM	5.2000	4013.26
12/04/02 02:16:30 PM	5.2083	4013.88
12/04/02 02:17:00 PM	5.2167	4014.39
12/04/02 02:17:30 PM	5.2250	4014.87
12/04/02 02:18:00 PM	5.2333	4015.45
12/04/02 02:18:30 PM	5.2417	4015.81
12/04/02 02:19:00 PM	5.2500	4016.29
12/04/02 02:19:30 PM	5.2583	4016.53
12/04/02 02:20:00 PM	5.2667	4017.48
12/04/02 02:20:30 PM	5.2750	4017.72
12/04/02 02:21:00 PM	5.2833	4017.77
12/04/02 02:21:30 PM	5.2917	4018.26
12/04/02 02:22:00 PM	5.3000	4018.95
12/04/02 02:22:30 PM	5.3083	4019.21
12/04/02 02:23:00 PM	5.3167	4019.47
12/04/02 02:23:30 PM	5.3250	4019.83
12/04/02 02:24:00 PM	5.3333	4019.94
12/04/02 02:24:30 PM	5.3417	4020.41
12/04/02 02:25:00 PM	5.3500	4020.92
12/04/02 02:25:30 PM	5.3583	4021.54
12/04/02 02:26:00 PM	5.3667	4021.26

12/04/02 02:26:30 PM	5.3750	4021.64
12/04/02 02:27:00 PM	5.3833	4022.23
12/04/02 02:27:30 PM	5.3917	4022.48
12/04/02 02:28:00 PM	5.4000	4022.98
12/04/02 02:28:30 PM	5.4083	4023.25
12/04/02 02:29:00 PM	5.4167	4023.75
12/04/02 02:29:30 PM	5.4250	4024.10
12/04/02 02:30:00 PM	5.4333	4024.20
12/04/02 02:30:30 PM	5.4417	4024.42
12/04/02 02:31:00 PM	5.4500	4024.70
12/04/02 02:31:30 PM	5.4583	4025.23
12/04/02 02:32:00 PM	5.4667	4025.16
12/04/02 02:32:30 PM	5.4750	4025.95
12/04/02 02:33:00 PM	5.4833	4026.09
12/04/02 02:33:30 PM	5.4917	4026.18
12/04/02 02:34:00 PM	5.5000	4026.33
12/04/02 02:34:30 PM	5.5083	4026.77
12/04/02 02:35:00 PM	5.5167	4027.46
12/04/02 02:35:30 PM	5.5250	4027.34
12/04/02 02:36:00 PM	5.5333	4027.52
12/04/02 02:36:30 PM	5.5417	4027.74
12/04/02 02:37:00 PM	5.5500	4028.18
12/04/02 02:37:30 PM	5.5583	4028.33
12/04/02 02:38:00 PM	5.5667	4028.66
12/04/02 02:38:30 PM	5.5750	4028.83
12/04/02 02:39:00 PM	5.5833	4029.09
12/04/02 02:39:30 PM	5.5917	4029.38
12/04/02 02:40:00 PM	5.6000	4029.73
12/04/02 02:40:30 PM	5.6083	4029.77
12/04/02 02:41:00 PM	5.6167	4030.29
12/04/02 02:41:30 PM	5.6250	4030.36
12/04/02 02:42:00 PM	5.6333	4030.63
12/04/02 02:42:30 PM	5.6417	4030.80
12/04/02 02:43:00 PM	5.6500	4030.75
12/04/02 02:43:30 PM	5.6583	4031.36
12/04/02 02:44:00 PM	5.6667	4031.40
12/04/02 02:44:01 PM		START 6TH RATE @ 150 BPD
12/04/02 02:44:30 PM	5.6750	4032.07
12/04/02 02:45:00 PM	5.6833	4032.43
12/04/02 02:45:30 PM	5.6917	4032.81
12/04/02 02:46:00 PM	5.7000	4033.32
12/04/02 02:46:30 PM	5.7083	4033.86
12/04/02 02:47:00 PM	5.7167	4034.07
12/04/02 02:47:30 PM	5.7250	4034.68
12/04/02 02:48:00 PM	5.7333	4035.05
12/04/02 02:48:30 PM	5.7417	4035.37
12/04/02 02:49:00 PM	5.7500	4035.47
12/04/02 02:49:30 PM	5.7583	4036.03
12/04/02 02:50:00 PM	5.7667	4036.46
12/04/02 02:50:30 PM	5.7750	4036.55
12/04/02 02:51:00 PM	5.7833	4037.03

12/04/02 02:51:30 PM	5.7917	4037.14
12/04/02 02:52:00 PM	5.8000	4037.22
12/04/02 02:52:30 PM	5.8083	4037.73
12/04/02 02:53:00 PM	5.8167	4038.02
12/04/02 02:53:30 PM	5.8250	4038.13
12/04/02 02:54:00 PM	5.8333	4038.21
12/04/02 02:54:30 PM	5.8417	4038.61
12/04/02 02:55:00 PM	5.8500	4039.14
12/04/02 02:55:30 PM	5.8583	4039.36
12/04/02 02:56:00 PM	5.8667	4039.43
12/04/02 02:56:30 PM	5.8750	4040.01
12/04/02 02:57:00 PM	5.8833	4040.10
12/04/02 02:57:30 PM	5.8917	4040.13
12/04/02 02:58:00 PM	5.9000	4040.81
12/04/02 02:58:30 PM	5.9083	4040.91
12/04/02 02:59:00 PM	5.9167	4041.34
12/04/02 02:59:30 PM	5.9250	4041.42
12/04/02 03:00:00 PM	5.9333	4041.58
12/04/02 03:00:30 PM	5.9417	4042.13
12/04/02 03:01:00 PM	5.9500	4042.25
12/04/02 03:01:30 PM	5.9583	4042.64
12/04/02 03:02:00 PM	5.9667	4042.62
12/04/02 03:02:30 PM	5.9750	4043.10
12/04/02 03:03:00 PM	5.9833	4043.46
12/04/02 03:03:30 PM	5.9917	4043.66
12/04/02 03:04:00 PM	6.0000	4044.01
12/04/02 03:04:30 PM	6.0083	4043.80
12/04/02 03:05:00 PM	6.0167	4044.17
12/04/02 03:05:30 PM	6.0250	4044.54
12/04/02 03:06:00 PM	6.0333	4044.71
12/04/02 03:06:30 PM	6.0417	4045.32
12/04/02 03:07:00 PM	6.0500	4045.01
12/04/02 03:07:30 PM	6.0583	4045.55
12/04/02 03:08:00 PM	6.0667	4045.78
12/04/02 03:08:30 PM	6.0750	4045.99
12/04/02 03:09:00 PM	6.0833	4046.19
12/04/02 03:09:30 PM	6.0917	4046.52
12/04/02 03:10:00 PM	6.1000	4046.47
12/04/02 03:10:30 PM	6.1083	4046.87
12/04/02 03:11:00 PM	6.1167	4046.86
12/04/02 03:11:30 PM	6.1250	4047.05
12/04/02 03:12:00 PM	6.1333	4047.57
12/04/02 03:12:30 PM	6.1417	4047.60
12/04/02 03:13:00 PM	6.1500	4047.30
12/04/02 03:13:30 PM	6.1583	4047.84
12/04/02 03:14:00 PM	6.1667	4048.05
12/04/02 03:14:01 PM		START 7TH RATE @ 175 BPD
12/04/02 03:14:30 PM	6.1750	4048.53
12/04/02 03:15:00 PM	6.1833	4048.89
12/04/02 03:15:30 PM	6.1917	4049.25
12/04/02 03:16:00 PM	6.2000	4049.56

12/04/02 03:16:30 PM	6.2083	4049.63
12/04/02 03:17:00 PM	6.2167	4050.31
12/04/02 03:17:30 PM	6.2250	4050.56
12/04/02 03:18:00 PM	6.2333	4050.89
12/04/02 03:18:30 PM	6.2417	4051.11
12/04/02 03:19:00 PM	6.2500	4051.35
12/04/02 03:19:30 PM	6.2583	4051.47
12/04/02 03:20:00 PM	6.2667	4051.89
12/04/02 03:20:30 PM	6.2750	4051.63
12/04/02 03:21:00 PM	6.2833	4052.49
12/04/02 03:21:30 PM	6.2917	4052.33
12/04/02 03:22:00 PM	6.3000	4052.98
12/04/02 03:22:30 PM	6.3083	4052.73
12/04/02 03:23:00 PM	6.3167	4053.28
12/04/02 03:23:30 PM	6.3250	4053.53
12/04/02 03:24:00 PM	6.3333	4053.62
12/04/02 03:24:30 PM	6.3417	4053.87
12/04/02 03:25:00 PM	6.3500	4053.69
12/04/02 03:25:30 PM	6.3583	4054.40
12/04/02 03:26:00 PM	6.3667	4054.13
12/04/02 03:26:30 PM	6.3750	4052.00
12/04/02 03:27:00 PM	6.3833	4051.38
12/04/02 03:27:30 PM	6.3917	4052.55
12/04/02 03:28:00 PM	6.4000	4052.68
12/04/02 03:28:30 PM	6.4083	4052.11
12/04/02 03:29:00 PM	6.4167	4052.60
12/04/02 03:29:30 PM	6.4250	4051.77
12/04/02 03:30:00 PM	6.4333	4052.19
12/04/02 03:30:30 PM	6.4417	4052.00
12/04/02 03:31:00 PM	6.4500	4052.42
12/04/02 03:31:30 PM	6.4583	4052.34
12/04/02 03:32:00 PM	6.4667	4052.84
12/04/02 03:32:30 PM	6.4750	4053.01
12/04/02 03:33:00 PM	6.4833	4053.40
12/04/02 03:33:30 PM	6.4917	4053.74
12/04/02 03:34:00 PM	6.5000	4053.09
12/04/02 03:34:30 PM	6.5083	4053.18
12/04/02 03:35:00 PM	6.5167	4052.45
12/04/02 03:35:30 PM	6.5250	4052.99
12/04/02 03:36:00 PM	6.5333	4052.73
12/04/02 03:36:30 PM	6.5417	4053.38
12/04/02 03:37:00 PM	6.5500	4053.05
12/04/02 03:37:30 PM	6.5583	4054.03
12/04/02 03:38:00 PM	6.5667	4054.21
12/04/02 03:38:30 PM	6.5750	4054.05
12/04/02 03:39:00 PM	6.5833	4054.31
12/04/02 03:39:30 PM	6.5917	4053.61
12/04/02 03:40:00 PM	6.6000	4053.65
12/04/02 03:40:30 PM	6.6083	4052.68
12/04/02 03:41:00 PM	6.6167	4053.90
12/04/02 03:41:30 PM	6.6250	4053.40

12/04/02 03:42:00 PM	6.6333	4054.17
12/04/02 03:42:30 PM	6.6417	4054.41
12/04/02 03:43:00 PM	6.6500	4054.65
12/04/02 03:43:30 PM	6.6583	4055.36
12/04/02 03:44:00 PM	6.6667	4055.02
12/04/02 03:44:30 PM	6.6750	4054.97
12/04/02 03:45:00 PM	6.6833	4053.99
12/04/02 03:45:30 PM	6.6917	4055.23
12/04/02 03:45:31 PM		START 8TH RATE @ 200 BPD
12/04/02 03:46:00 PM	6.7000	4055.62
12/04/02 03:46:30 PM	6.7083	4056.05
12/04/02 03:47:00 PM	6.7167	4055.76
12/04/02 03:47:30 PM	6.7250	4055.80
12/04/02 03:48:00 PM	6.7333	4055.93
12/04/02 03:48:30 PM	6.7417	4057.45
12/04/02 03:49:00 PM	6.7500	4056.82
12/04/02 03:49:30 PM	6.7583	4055.63
12/04/02 03:50:00 PM	6.7667	4055.99
12/04/02 03:50:30 PM	6.7750	4056.82
12/04/02 03:51:00 PM	6.7833	4057.16
12/04/02 03:51:30 PM	6.7917	4056.72
12/04/02 03:52:00 PM	6.8000	4058.08
12/04/02 03:52:30 PM	6.8083	4058.60
12/04/02 03:53:00 PM	6.8167	4057.99
12/04/02 03:53:30 PM	6.8250	4056.71
12/04/02 03:54:00 PM	6.8333	4057.59
12/04/02 03:54:30 PM	6.8417	4058.63
12/04/02 03:55:00 PM	6.8500	4058.40
12/04/02 03:55:30 PM	6.8583	4057.60
12/04/02 03:56:00 PM	6.8667	4058.72
12/04/02 03:56:30 PM	6.8750	4059.66
12/04/02 03:57:00 PM	6.8833	4059.05
12/04/02 03:57:30 PM	6.8917	4058.05
12/04/02 03:58:00 PM	6.9000	4058.58
12/04/02 03:58:30 PM	6.9083	4059.32
12/04/02 03:59:00 PM	6.9167	4059.43
12/04/02 03:59:30 PM	6.9250	4058.85
12/04/02 04:00:00 PM	6.9333	4059.56
12/04/02 04:00:30 PM	6.9417	4060.31
12/04/02 04:01:00 PM	6.9500	4059.89
12/04/02 04:01:30 PM	6.9583	4058.99
12/04/02 04:02:00 PM	6.9667	4059.44
12/04/02 04:02:30 PM	6.9750	4059.83
12/04/02 04:03:00 PM	6.9833	4060.17
12/04/02 04:03:30 PM	6.9917	4059.78
12/04/02 04:04:00 PM	7.0000	4060.79
12/04/02 04:04:30 PM	7.0083	4061.47
12/04/02 04:05:00 PM	7.0167	4060.70
12/04/02 04:05:30 PM	7.0250	4060.14
12/04/02 04:06:00 PM	7.0333	4060.25
12/04/02 04:06:30 PM	7.0417	4061.20

12/04/02 04:07:00 PM	7.0500	4061.10
12/04/02 04:07:30 PM	7.0583	4061.21
12/04/02 04:08:00 PM	7.0667	4061.53
12/04/02 04:08:30 PM	7.0750	4062.26
12/04/02 04:09:00 PM	7.0833	4061.69
12/04/02 04:09:30 PM	7.0917	4060.64
12/04/02 04:10:00 PM	7.1000	4061.00
12/04/02 04:10:30 PM	7.1083	4061.85
12/04/02 04:11:00 PM	7.1167	4062.06
12/04/02 04:11:30 PM	7.1250	4061.82
12/04/02 04:12:00 PM	7.1333	4062.69
12/04/02 04:12:30 PM	7.1417	4062.88
12/04/02 04:13:00 PM	7.1500	4062.30
12/04/02 04:13:30 PM	7.1583	4061.90
12/04/02 04:14:00 PM	7.1667	4062.16
12/04/02 04:14:30 PM	7.1750	4062.35
12/04/02 04:15:00 PM	7.1833	4062.31
12/04/02 04:15:01 PM		
12/04/02 04:15:30 PM	7.1917	4064.15
12/04/02 04:16:00 PM	7.2000	4063.14
12/04/02 04:16:30 PM	7.2083	4062.97
12/04/02 04:17:00 PM	7.2167	4063.52
12/04/02 04:17:30 PM	7.2250	4063.93
12/04/02 04:18:00 PM	7.2333	4064.19
12/04/02 04:18:30 PM	7.2417	4063.86
12/04/02 04:19:00 PM	7.2500	4064.26
12/04/02 04:19:30 PM	7.2583	4064.38
12/04/02 04:20:00 PM	7.2667	4064.95
12/04/02 04:20:30 PM	7.2750	4064.96
12/04/02 04:21:00 PM	7.2833	4064.78
12/04/02 04:21:30 PM	7.2917	4064.77
12/04/02 04:22:00 PM	7.3000	4065.95
12/04/02 04:22:30 PM	7.3083	4065.13
12/04/02 04:23:00 PM	7.3167	4065.83
12/04/02 04:23:30 PM	7.3250	4065.35
12/04/02 04:24:00 PM	7.3333	4066.83
12/04/02 04:24:30 PM	7.3417	4066.08
12/04/02 04:25:00 PM	7.3500	4066.10
12/04/02 04:25:30 PM	7.3583	4065.58
12/04/02 04:26:00 PM	7.3667	4066.60
12/04/02 04:26:30 PM	7.3750	4067.21
12/04/02 04:27:00 PM	7.3833	4066.77
12/04/02 04:27:30 PM	7.3917	4066.42
12/04/02 04:28:00 PM	7.4000	4066.55
12/04/02 04:28:30 PM	7.4083	4067.94
12/04/02 04:29:00 PM	7.4167	4066.96
12/04/02 04:29:30 PM	7.4250	4066.87
12/04/02 04:30:00 PM	7.4333	4066.48
12/04/02 04:30:30 PM	7.4417	4067.88
12/04/02 04:31:00 PM	7.4500	4067.11
12/04/02 04:31:30 PM	7.4583	4067.21

START 9TH RATE @ 225 BPD

12/04/02 04:32:00 PM	7.4667	4067.39
12/04/02 04:32:30 PM	7.4750	4067.71
12/04/02 04:33:00 PM	7.4833	4068.84
12/04/02 04:33:30 PM	7.4917	4068.21
12/04/02 04:34:00 PM	7.5000	4067.31
12/04/02 04:34:30 PM	7.5083	4067.92
12/04/02 04:35:00 PM	7.5167	4069.12
12/04/02 04:35:30 PM	7.5250	4068.03
12/04/02 04:36:00 PM	7.5333	4068.15
12/04/02 04:36:30 PM	7.5417	4067.96
12/04/02 04:37:00 PM	7.5500	4069.33
12/04/02 04:37:30 PM	7.5583	4068.75
12/04/02 04:38:00 PM	7.5667	4068.75
12/04/02 04:38:30 PM	7.5750	4067.73
12/04/02 04:39:00 PM	7.5833	4068.94
12/04/02 04:39:30 PM	7.5917	4069.18
12/04/02 04:40:00 PM	7.6000	4068.81
12/04/02 04:40:30 PM	7.6083	4068.85
12/04/02 04:41:00 PM	7.6167	4069.26
12/04/02 04:41:30 PM	7.6250	4069.29
12/04/02 04:42:00 PM	7.6333	4069.29
12/04/02 04:42:30 PM	7.6417	4069.97
12/04/02 04:43:00 PM	7.6500	4068.54
12/04/02 04:43:30 PM	7.6583	4070.19
12/04/02 04:44:00 PM	7.6667	4068.83
12/04/02 04:44:30 PM	7.6750	4070.44
12/04/02 04:45:00 PM	7.6833	4070.33
12/04/02 04:45:01 PM		START 10TH RATE @ 250 BPD
12/04/02 04:45:30 PM	7.6917	4070.73
12/04/02 04:46:00 PM	7.7000	4071.56
12/04/02 04:46:30 PM	7.7083	4070.11
12/04/02 04:47:00 PM	7.7167	4070.74
12/04/02 04:47:30 PM	7.7250	4071.62
12/04/02 04:48:00 PM	7.7333	4070.89
12/04/02 04:48:30 PM	7.7417	4070.98
12/04/02 04:49:00 PM	7.7500	4071.72
12/04/02 04:49:30 PM	7.7583	4071.96
12/04/02 04:50:00 PM	7.7667	4070.48
12/04/02 04:50:30 PM	7.7750	4071.54
12/04/02 04:51:00 PM	7.7833	4072.55
12/04/02 04:51:30 PM	7.7917	4071.27
12/04/02 04:52:00 PM	7.8000	4071.71
12/04/02 04:52:30 PM	7.8083	4073.01
12/04/02 04:53:00 PM	7.8167	4071.77
12/04/02 04:53:30 PM	7.8250	4071.54
12/04/02 04:54:00 PM	7.8333	4072.46
12/04/02 04:54:30 PM	7.8417	4072.33
12/04/02 04:55:00 PM	7.8500	4072.17
12/04/02 04:55:30 PM	7.8583	4072.10
12/04/02 04:56:00 PM	7.8667	4072.74
12/04/02 04:56:30 PM	7.8750	4072.13

12/04/02 04:57:00 PM	7.8833	4072.68
12/04/02 04:57:30 PM	7.8917	4073.06
12/04/02 04:58:00 PM	7.9000	4072.41
12/04/02 04:58:30 PM	7.9083	4072.77
12/04/02 04:59:00 PM	7.9167	4073.02
12/04/02 04:59:30 PM	7.9250	4072.87
12/04/02 05:00:00 PM	7.9333	4072.56
12/04/02 05:00:30 PM	7.9417	4072.57
12/04/02 05:01:00 PM	7.9500	4073.44
12/04/02 05:01:30 PM	7.9583	4072.87
12/04/02 05:02:00 PM	7.9667	4073.34
12/04/02 05:02:30 PM	7.9750	4073.64
12/04/02 05:03:00 PM	7.9833	4072.96
12/04/02 05:03:30 PM	7.9917	4073.10
12/04/02 05:04:00 PM	8.0000	4073.95
12/04/02 05:04:30 PM	8.0083	4073.61
12/04/02 05:05:00 PM	8.0167	4073.56
12/04/02 05:05:30 PM	8.0250	4074.39
12/04/02 05:06:00 PM	8.0333	4074.31
12/04/02 05:06:30 PM	8.0417	4073.98
12/04/02 05:07:00 PM	8.0500	4074.39
12/04/02 05:07:30 PM	8.0583	4074.92
12/04/02 05:08:00 PM	8.0667	4074.10
12/04/02 05:08:30 PM	8.0750	4074.63
12/04/02 05:09:00 PM	8.0833	4075.05
12/04/02 05:09:30 PM	8.0917	4074.67
12/04/02 05:10:00 PM	8.1000	4074.76
12/04/02 05:10:30 PM	8.1083	4075.26
12/04/02 05:11:00 PM	8.1167	4075.05
12/04/02 05:11:30 PM	8.1250	4074.34
12/04/02 05:12:00 PM	8.1333	4075.10
12/04/02 05:12:30 PM	8.1417	4075.52
12/04/02 05:13:00 PM	8.1500	4074.95
12/04/02 05:13:30 PM	8.1583	4075.34
12/04/02 05:14:00 PM	8.1667	4075.43
12/04/02 05:14:01 PM		START 11TH RATE @ 275 BPD
12/04/02 05:14:30 PM	8.1750	4074.98
12/04/02 05:15:00 PM	8.1833	4075.12
12/04/02 05:15:30 PM	8.1917	4076.46
12/04/02 05:16:00 PM	8.2000	4075.95
12/04/02 05:16:30 PM	8.2083	4076.14
12/04/02 05:17:00 PM	8.2167	4076.16
12/04/02 05:17:30 PM	8.2250	4076.48
12/04/02 05:18:00 PM	8.2333	4077.00
12/04/02 05:18:30 PM	8.2417	4077.51
12/04/02 05:19:00 PM	8.2500	4077.25
12/04/02 05:19:30 PM	8.2583	4077.14
12/04/02 05:20:00 PM	8.2667	4077.15
12/04/02 05:20:30 PM	8.2750	4077.29
12/04/02 05:21:00 PM	8.2833	4078.02
12/04/02 05:21:30 PM	8.2917	4077.92

12/04/02 05:22:00 PM	8.3000	4078.10
12/04/02 05:22:30 PM	8.3083	4077.98
12/04/02 05:23:00 PM	8.3167	4077.80
12/04/02 05:23:30 PM	8.3250	4077.83
12/04/02 05:24:00 PM	8.3333	4078.17
12/04/02 05:24:30 PM	8.3417	4078.68
12/04/02 05:25:00 PM	8.3500	4078.69
12/04/02 05:25:30 PM	8.3583	4078.53
12/04/02 05:26:00 PM	8.3667	4078.29
12/04/02 05:26:30 PM	8.3750	4078.40
12/04/02 05:27:00 PM	8.3833	4078.60
12/04/02 05:27:30 PM	8.3917	4079.30
12/04/02 05:28:00 PM	8.4000	4079.27
12/04/02 05:28:30 PM	8.4083	4079.01
12/04/02 05:29:00 PM	8.4167	4078.88
12/04/02 05:29:30 PM	8.4250	4078.99
12/04/02 05:30:00 PM	8.4333	4079.07
12/04/02 05:30:30 PM	8.4417	4079.84
12/04/02 05:31:00 PM	8.4500	4080.07
12/04/02 05:31:30 PM	8.4583	4079.52
12/04/02 05:32:00 PM	8.4667	4079.43
12/04/02 05:32:30 PM	8.4750	4079.37
12/04/02 05:33:00 PM	8.4833	4079.40
12/04/02 05:33:30 PM	8.4917	4080.16
12/04/02 05:34:00 PM	8.5000	4080.59
12/04/02 05:34:30 PM	8.5083	4079.13
12/04/02 05:35:00 PM	8.5167	4079.42
12/04/02 05:35:30 PM	8.5250	4079.52
12/04/02 05:36:00 PM	8.5333	4079.79
12/04/02 05:36:30 PM	8.5417	4080.31
12/04/02 05:37:00 PM	8.5500	4080.63
12/04/02 05:37:30 PM	8.5583	4080.60
12/04/02 05:38:00 PM	8.5667	4080.25
12/04/02 05:38:30 PM	8.5750	4080.02
12/04/02 05:39:00 PM	8.5833	4080.26
12/04/02 05:39:30 PM	8.5917	4080.38
12/04/02 05:40:00 PM	8.6000	4080.96
12/04/02 05:40:30 PM	8.6083	4081.27
12/04/02 05:41:00 PM	8.6167	4081.00
12/04/02 05:41:30 PM	8.6250	4080.64
12/04/02 05:42:00 PM	8.6333	4080.72
12/04/02 05:42:30 PM	8.6417	4081.02
12/04/02 05:43:00 PM	8.6500	4081.63
12/04/02 05:43:30 PM	8.6583	4081.72
12/04/02 05:44:00 PM	8.6667	4081.25
12/04/02 05:44:01 PM		
12/04/02 05:44:30 PM	8.6750	4080.98
12/04/02 05:45:00 PM	8.6833	4081.02
12/04/02 05:45:30 PM	8.6917	4081.41
12/04/02 05:46:00 PM	8.7000	4081.64
12/04/02 05:46:30 PM	8.7083	4082.52

START 12TH RATE @ 300 BPD

12/04/02 05:47:00 PM	8.7167	4082.94
12/04/02 05:47:30 PM	8.7250	4082.71
12/04/02 05:48:00 PM	8.7333	4082.37
12/04/02 05:48:30 PM	8.7417	4082.97
12/04/02 05:49:00 PM	8.7500	4082.54
12/04/02 05:49:30 PM	8.7583	4082.43
12/04/02 05:50:00 PM	8.7667	4083.42
12/04/02 05:50:30 PM	8.7750	4082.62
12/04/02 05:51:00 PM	8.7833	4083.16
12/04/02 05:51:30 PM	8.7917	4083.55
12/04/02 05:52:00 PM	8.8000	4083.31
12/04/02 05:52:30 PM	8.8083	4083.53
12/04/02 05:53:00 PM	8.8167	4083.11
12/04/02 05:53:30 PM	8.8250	4082.97
12/04/02 05:54:00 PM	8.8333	4084.04
12/04/02 05:54:30 PM	8.8417	4083.30
12/04/02 05:55:00 PM	8.8500	4083.33
12/04/02 05:55:30 PM	8.8583	4083.77
12/04/02 05:56:00 PM	8.8667	4083.16
12/04/02 05:56:30 PM	8.8750	4083.90
12/04/02 05:57:00 PM	8.8833	4083.98
12/04/02 05:57:30 PM	8.8917	4083.43
12/04/02 05:58:00 PM	8.9000	4084.40
12/04/02 05:58:30 PM	8.9083	4084.22
12/04/02 05:59:00 PM	8.9167	4083.66
12/04/02 05:59:30 PM	8.9250	4084.20
12/04/02 06:00:00 PM	8.9333	4083.73
12/04/02 06:00:30 PM	8.9417	4083.53
12/04/02 06:01:00 PM	8.9500	4084.29
12/04/02 06:01:30 PM	8.9583	4083.70
12/04/02 06:02:00 PM	8.9667	4084.08
12/04/02 06:02:30 PM	8.9750	4084.49
12/04/02 06:03:00 PM	8.9833	4084.21
12/04/02 06:03:30 PM	8.9917	4084.99
12/04/02 06:04:00 PM	9.0000	4084.54
12/04/02 06:04:30 PM	9.0083	4084.34
12/04/02 06:05:00 PM	9.0167	4085.15
12/04/02 06:05:30 PM	9.0250	4084.49
12/04/02 06:06:00 PM	9.0333	4084.20
12/04/02 06:06:30 PM	9.0417	4084.92
12/04/02 06:07:00 PM	9.0500	4084.78
12/04/02 06:07:30 PM	9.0583	4084.86
12/04/02 06:08:00 PM	9.0667	4085.15
12/04/02 06:08:30 PM	9.0750	4084.89
12/04/02 06:09:00 PM	9.0833	4085.13
12/04/02 06:09:30 PM	9.0917	4085.28
12/04/02 06:10:00 PM	9.1000	4084.91
12/04/02 06:10:30 PM	9.1083	4085.40
12/04/02 06:11:00 PM	9.1167	4085.68
12/04/02 06:11:30 PM	9.1250	4085.31
12/04/02 06:12:00 PM	9.1333	4086.13

12/04/02 06:12:30 PM	9.1417	4085.07
12/04/02 06:13:00 PM	9.1500	4085.50
12/04/02 06:13:30 PM	9.1583	4086.00
12/04/02 06:14:00 PM	9.1667	4085.61
12/04/02 06:14:30 PM	9.1750	4086.44
12/04/02 06:15:00 PM	9.1833	4086.11
12/04/02 06:15:01 PM		

END 12TH RATE



OPERATIONS LOG

COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN UNIT # 209
FIELD (FORMATION): CENTRAL CORBIN QUEEN ()
COUNTY: LEA
STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: JOE CLEMENTS
FIELD REP: RODNEY LONG
JOB RUN BY: MAX WHEELER
DATA PREPARED BY: ROD DODSON
INSTRUMENT: Z-67

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 56473B
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12/19/02 08:49:00 AM			START GAUGE #Z-67
12/19/02 09:16:00 AM			SAT DOWN @ 8118', PULLED GAUGE, CHANGE TO 1.25" TOOLS
12/19/02 09:55:00 AM			RESTART GAUGE #Z-67
12/19/02 10:16:30 AM	1074		ON BOTTOM W/ GAUGE @ 4149'
12/19/02 10:30:01 AM	1074		START 1ST RATE @ 25 BPD
12/19/02 11:00:31 AM	1450		START 2ND RATE @ 50 BPD
12/19/02 11:30:01 AM	1658		START 3RD RATE @ 75 BPD
12/19/02 11:59:01 AM	1778		START 4TH RATE @ 100 BPD
12/19/02 12:29:01 PM	1930		START 5TH RATE @ 125 BPD*
12/19/02 12:40:31 PM			SWITCH FROM SITE INJECTION FACILITY TO PUMP TRUCK
12/19/02 01:02:31 PM	2040		START 6TH RATE @ 150 BPD
12/19/02 01:31:31 PM	2180		START 7TH RATE @ 175 BPD
12/19/02 01:59:01 PM	2298		START 8TH RATE @ 200 BPD
12/19/02 02:29:01 PM	2360		START 9TH RATE @ 225 BPD
12/19/02 02:59:01 PM	2420		START 10TH RATE @ 250 BPD
12/19/02 03:29:01 PM	2452		START 11TH RATE @ 275 BPD
12/19/02 03:59:01 PM	2470		START 12TH RATE @ 300 BPD

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 56473B
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12/19/02 04:31:31 PM 2488 END FINAL RATE

12/19/02 04:33:31 PM OFF BOTTOM W/ GAUGE



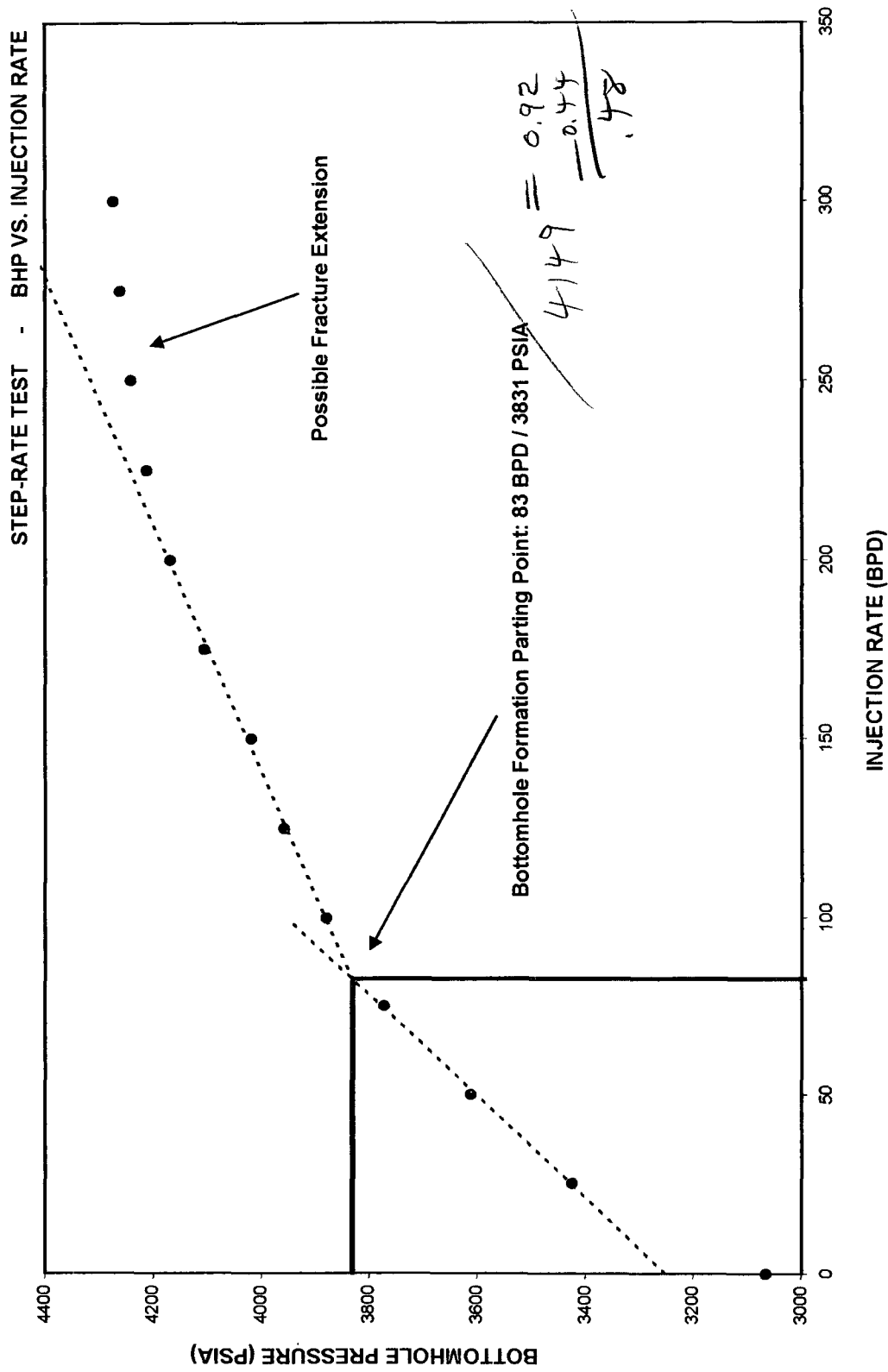
COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN UNIT # 209
FIELD (FORMATION): CENTRAL CORBIN QUEEN ()
COUNTY: LEA
STATE: NM

TEST DATES: 12/19/02 - 12/19/02
RUN DEPTH: 4149
INSTRUMENT: Z-67

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	WELLHEAD PRESSURE, PSIG	INJECTION RATE, BPD	JOB NUMBER: 56473B
12/19/02 10:30:00 AM	0.5833	3065.58	1074.00	0.00	
12/19/02 11:00:30 AM	1.0917	3424.26	1450.00	25.00	
12/19/02 11:30:00 AM	1.5833	3611.92	1658.00	50.00	
12/19/02 11:59:00 AM	2.0667	3772.51	1778.00	75.00	
12/19/02 12:29:00 PM	2.5667	3879.80	1930.00	100.00	
12/19/02 01:02:30 PM	3.1250	3958.33	2040.00	125.00	
12/19/02 01:31:30 PM	3.6083	4018.21	2180.00	150.00	
12/19/02 01:59:00 PM	4.0667	4105.59	2298.00	175.00	
12/19/02 02:29:00 PM	4.5667	4168.32	2360.00	200.00	
12/19/02 02:59:00 PM	5.0667	4211.61	2420.00	225.00	
12/19/02 03:29:00 PM	5.5667	4241.19	2452.00	250.00	
12/19/02 03:59:00 PM	6.0667	4260.98	2470.00	275.00	
12/19/02 04:31:30 PM	6.6083	4272.77	2488.00	300.00	

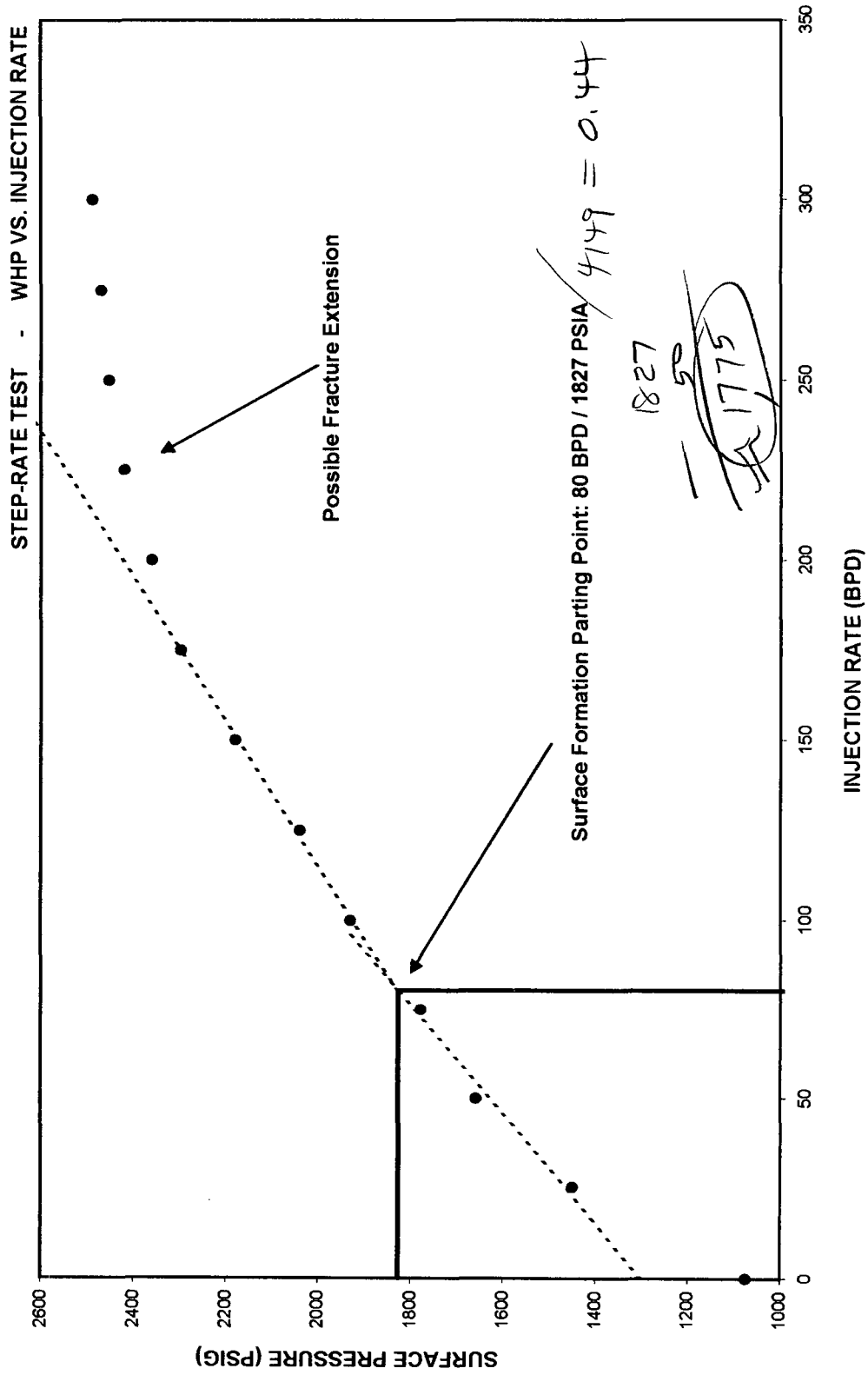


COMPANY: SAGA PETROLEUM CORP. FIELD: CENTRAL CORBIN QUEEN JOB #: 56473B TEST DATE: 12/19/02 12/19/02
 LEASE: CENTRAL CORBIN QUEEN UNIT COUNTY: LEA TEST DATE: 12/19/02 12/19/02
 WELL NUMBER: 209 STATE: NM



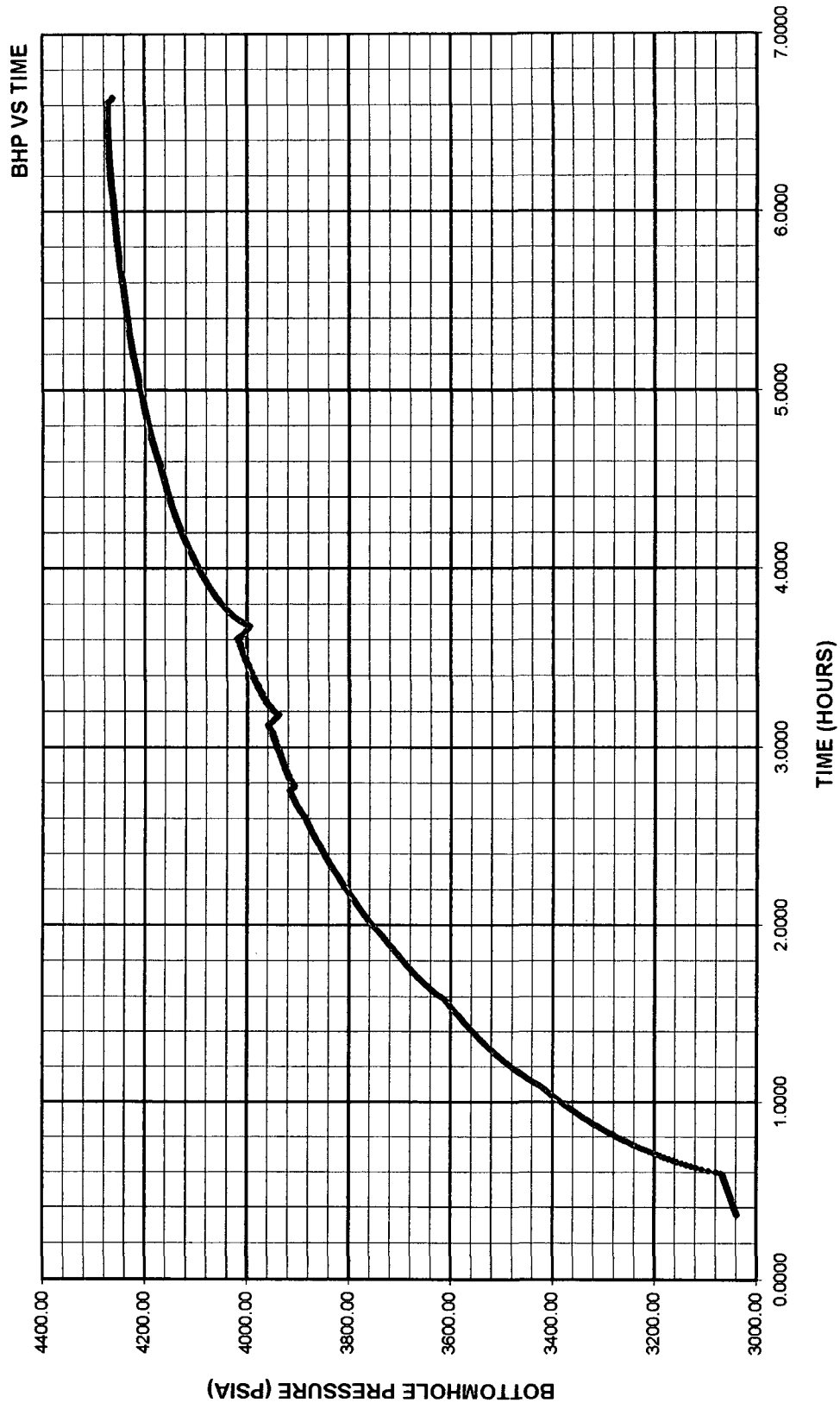


COMPANY: SAGA PETROLEUM CORP. FIELD: CENTRAL CORBIN QUEEN JOB # 58473B
LEASE: CENTRAL CORBIN QUEEN UNIT COUNTY: LEA TEST DATE: 12/19/02
WELL NUMBER: 209 STATE: NM



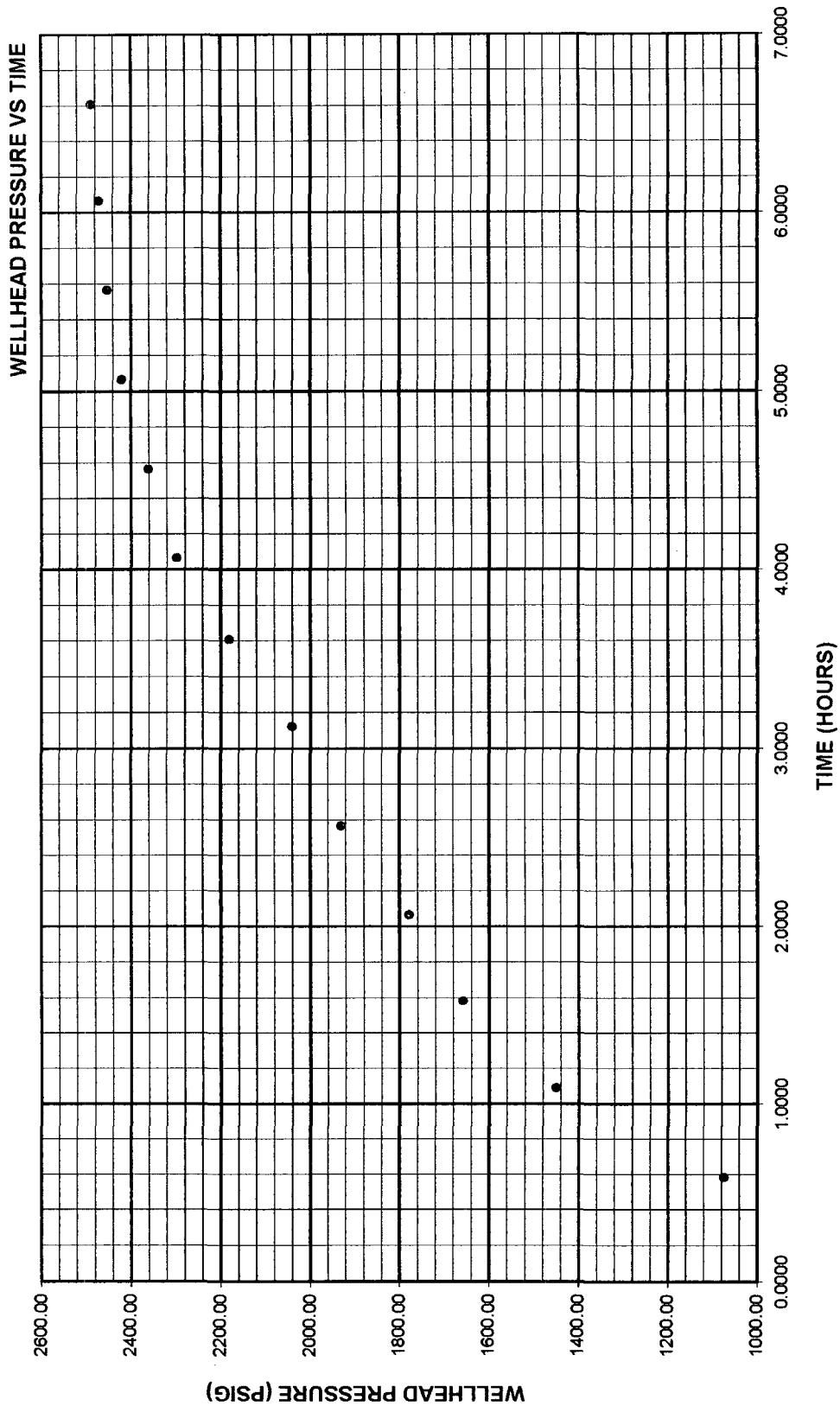


COMPANY: SAGA PETROLEUM CORP. FIELD: CENTRAL CORBIN QUEEN JOB # 56473B
LEASE: CENTRAL CORBIN QUEEN UNIT COUNTY: LEA TEST DATE: 12/19/02
WELL NUMBER: 209 STATE: NM



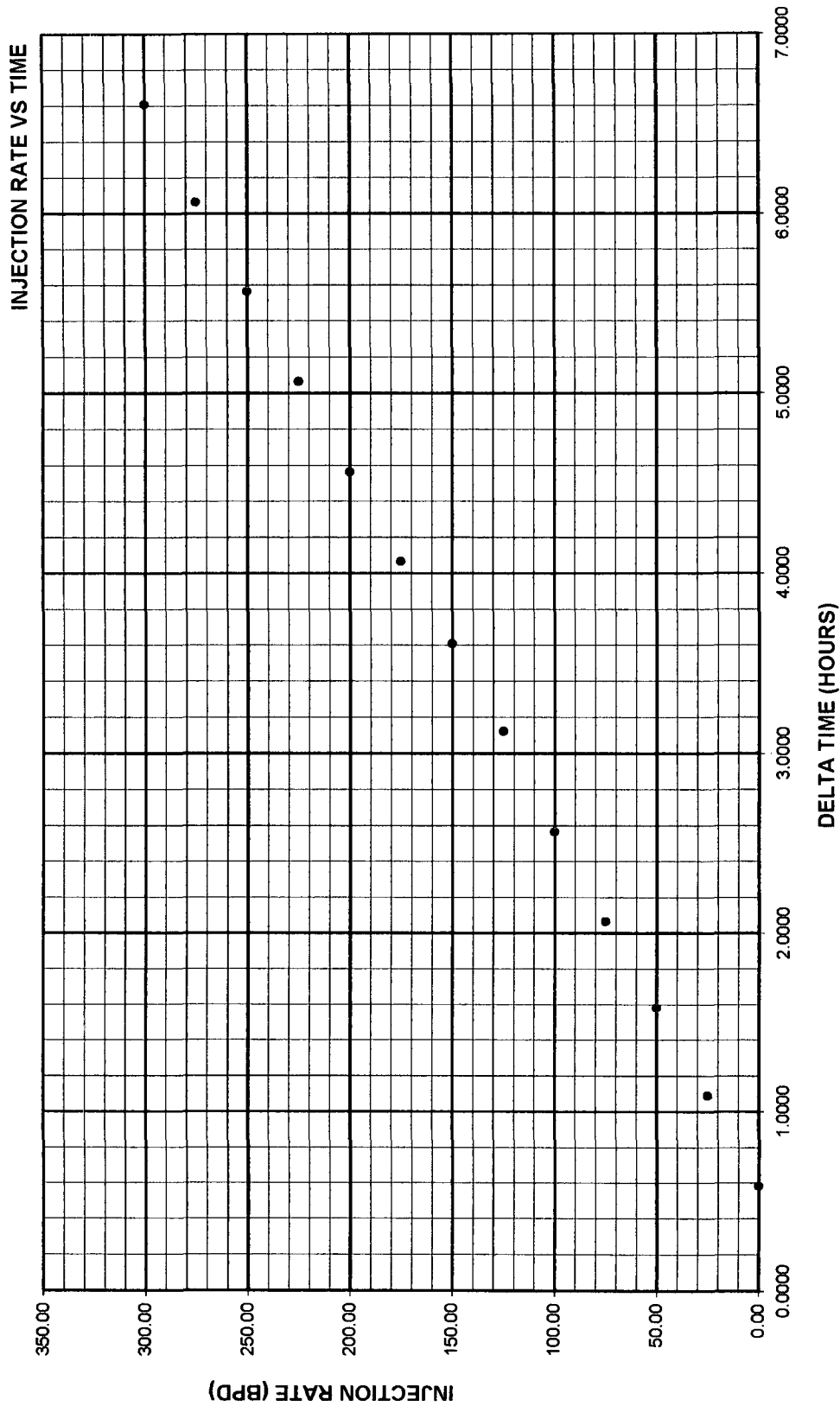


COMPANY: SAGA PETROLEUM CORP. FIELD: CENTRAL CORBIN QUEEN JOB # 56473B TEST DATE: 12/19/02 12/19/02
LEASE: CENTRAL CORBIN QUEEN UNIT COUNTY: LEA TEST DATE: 12/19/02 12/19/02
WELL NUMBER: 209 STATE: NM





COMPANY: SAGA PETROLEUM CORP. FIELD: CENTRAL CORBIN QUEEN JOB # 58473B TEST DATE: 12/19/02 - 12/19/02
LEASE: CENTRAL CORBIN QUEEN UNIT COUNTY: LEA
WELL NUMBER: 209 STATE: NM





COMPANY: SAGA PETROLEUM CORP.
LEASE: CENTRAL CORBIN QUEEN UNIT # 209
FIELD (FORMATION): CENTRAL CORBIN QUEEN ()
COUNTY: LEA
STATE: NM

TEST DATES: 12/19/02 - 12/19/02
RUN DEPTH: 4149
INSTRUMENT: Z-67

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 08:49:00 AM			START GAUGE #Z-67
12/19/02 09:16:00 AM			SAT DOWN @ 8118', PULLED GAUGE, CHANGE TO 1.25" TOOLS
12/19/02 09:55:00 AM			RESTART GAUGE #Z-67
12/19/02 10:16:30 AM			ON BOTTOM W/ GAUGE @ 4149'
12/19/02 10:16:30 AM	0.3583	3038.05	
12/19/02 10:17:00 AM	0.3667	3039.08	
12/19/02 10:17:30 AM	0.3750	3040.12	
12/19/02 10:18:00 AM	0.3833	3041.13	
12/19/02 10:18:30 AM	0.3917	3042.18	
12/19/02 10:19:00 AM	0.4000	3043.21	
12/19/02 10:19:30 AM	0.4083	3044.26	
12/19/02 10:20:00 AM	0.4167	3045.27	
12/19/02 10:20:30 AM	0.4250	3046.34	
12/19/02 10:21:00 AM	0.4333	3047.29	
12/19/02 10:21:30 AM	0.4417	3048.37	
12/19/02 10:22:00 AM	0.4500	3049.47	
12/19/02 10:22:30 AM	0.4583	3050.49	
12/19/02 10:23:00 AM	0.4667	3051.53	
12/19/02 10:23:30 AM	0.4750	3052.57	
12/19/02 10:24:00 AM	0.4833	3053.58	
12/19/02 10:24:30 AM	0.4917	3054.60	
12/19/02 10:25:00 AM	0.5000	3055.62	
12/19/02 10:25:30 AM	0.5083	3056.63	
12/19/02 10:26:00 AM	0.5167	3057.66	
12/19/02 10:26:30 AM	0.5250	3058.66	
12/19/02 10:27:00 AM	0.5333	3059.67	
12/19/02 10:27:30 AM	0.5417	3060.66	
12/19/02 10:28:00 AM	0.5500	3061.66	
12/19/02 10:28:30 AM	0.5583	3062.64	
12/19/02 10:29:00 AM	0.5667	3063.62	
12/19/02 10:29:30 AM	0.5750	3064.60	
12/19/02 10:30:00 AM	0.5833	3065.58	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 10:30:01 AM			START 1ST RATE @ 25 BPD
12/19/02 10:30:30 AM	0.5917	3068.48	
12/19/02 10:31:00 AM	0.6000	3079.08	
12/19/02 10:31:30 AM	0.6083	3093.46	
12/19/02 10:32:00 AM	0.6167	3106.46	
12/19/02 10:32:30 AM	0.6250	3117.64	
12/19/02 10:33:00 AM	0.6333	3127.91	
12/19/02 10:33:30 AM	0.6417	3137.32	
12/19/02 10:34:00 AM	0.6500	3146.43	
12/19/02 10:34:30 AM	0.6583	3155.31	
12/19/02 10:35:00 AM	0.6667	3163.74	
12/19/02 10:35:30 AM	0.6750	3171.89	
12/19/02 10:36:00 AM	0.6833	3179.77	
12/19/02 10:36:30 AM	0.6917	3187.28	
12/19/02 10:37:00 AM	0.7000	3194.68	
12/19/02 10:37:30 AM	0.7083	3202.12	
12/19/02 10:38:00 AM	0.7167	3209.42	
12/19/02 10:38:30 AM	0.7250	3216.64	
12/19/02 10:39:00 AM	0.7333	3223.56	
12/19/02 10:39:30 AM	0.7417	3230.36	
12/19/02 10:40:00 AM	0.7500	3236.74	
12/19/02 10:40:30 AM	0.7583	3243.16	
12/19/02 10:41:00 AM	0.7667	3249.27	
12/19/02 10:41:30 AM	0.7750	3255.44	
12/19/02 10:42:00 AM	0.7833	3261.34	
12/19/02 10:42:30 AM	0.7917	3267.25	
12/19/02 10:43:00 AM	0.8000	3272.90	
12/19/02 10:43:30 AM	0.8083	3278.57	
12/19/02 10:44:00 AM	0.8167	3284.00	
12/19/02 10:44:30 AM	0.8250	3289.39	
12/19/02 10:45:00 AM	0.8333	3294.70	
12/19/02 10:45:30 AM	0.8417	3299.84	
12/19/02 10:46:00 AM	0.8500	3305.02	
12/19/02 10:46:30 AM	0.8583	3309.91	
12/19/02 10:47:00 AM	0.8667	3314.95	
12/19/02 10:47:30 AM	0.8750	3319.83	
12/19/02 10:48:00 AM	0.8833	3324.53	
12/19/02 10:48:30 AM	0.8917	3329.24	
12/19/02 10:49:00 AM	0.9000	3333.72	
12/19/02 10:49:30 AM	0.9083	3338.20	
12/19/02 10:50:00 AM	0.9167	3342.64	
12/19/02 10:50:30 AM	0.9250	3346.84	
12/19/02 10:51:00 AM	0.9333	3351.22	
12/19/02 10:51:30 AM	0.9417	3355.53	
12/19/02 10:52:00 AM	0.9500	3359.64	
12/19/02 10:52:30 AM	0.9583	3363.92	
12/19/02 10:53:00 AM	0.9667	3368.09	
12/19/02 10:53:30 AM	0.9750	3372.05	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 10:54:00 AM	0.9833	3376.08	
12/19/02 10:54:30 AM	0.9917	3380.04	
12/19/02 10:55:00 AM	1.0000	3383.87	
12/19/02 10:55:30 AM	1.0083	3387.82	
12/19/02 10:56:00 AM	1.0167	3391.74	
12/19/02 10:56:30 AM	1.0250	3395.44	
12/19/02 10:57:00 AM	1.0333	3399.18	
12/19/02 10:57:30 AM	1.0417	3402.94	
12/19/02 10:58:00 AM	1.0500	3406.60	
12/19/02 10:58:30 AM	1.0583	3410.13	
12/19/02 10:59:00 AM	1.0667	3413.80	
12/19/02 10:59:30 AM	1.0750	3417.40	
12/19/02 11:00:00 AM	1.0833	3420.80	
12/19/02 11:00:30 AM	1.0917	3424.26	
12/19/02 11:00:31 AM			START 2ND RATE @ 50 BPD
12/19/02 11:01:00 AM	1.1000	3429.91	
12/19/02 11:01:30 AM	1.1083	3434.87	
12/19/02 11:02:00 AM	1.1167	3439.67	
12/19/02 11:02:30 AM	1.1250	3444.20	
12/19/02 11:03:00 AM	1.1333	3448.61	
12/19/02 11:03:30 AM	1.1417	3452.98	
12/19/02 11:04:00 AM	1.1500	3457.19	
12/19/02 11:04:30 AM	1.1583	3461.33	
12/19/02 11:05:00 AM	1.1667	3465.44	
12/19/02 11:05:30 AM	1.1750	3469.41	
12/19/02 11:06:00 AM	1.1833	3473.32	
12/19/02 11:06:30 AM	1.1917	3477.15	
12/19/02 11:07:00 AM	1.2000	3480.91	
12/19/02 11:07:30 AM	1.2083	3484.59	
12/19/02 11:08:00 AM	1.2167	3488.30	
12/19/02 11:08:30 AM	1.2250	3491.91	
12/19/02 11:09:00 AM	1.2333	3495.39	
12/19/02 11:09:30 AM	1.2417	3498.90	
12/19/02 11:10:00 AM	1.2500	3502.40	
12/19/02 11:10:30 AM	1.2583	3505.71	
12/19/02 11:11:00 AM	1.2667	3509.02	
12/19/02 11:11:30 AM	1.2750	3512.39	
12/19/02 11:12:00 AM	1.2833	3515.68	
12/19/02 11:12:30 AM	1.2917	3518.84	
12/19/02 11:13:00 AM	1.3000	3522.00	
12/19/02 11:13:30 AM	1.3083	3525.16	
12/19/02 11:14:00 AM	1.3167	3528.26	
12/19/02 11:14:30 AM	1.3250	3531.22	
12/19/02 11:15:00 AM	1.3333	3534.16	
12/19/02 11:15:30 AM	1.3417	3537.15	
12/19/02 11:16:00 AM	1.3500	3540.09	
12/19/02 11:16:30 AM	1.3583	3542.85	
12/19/02 11:17:00 AM	1.3667	3545.68	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 11:17:30 AM	1.3750	3548.61
12/19/02 11:18:00 AM	1.3833	3551.46
12/19/02 11:18:30 AM	1.3917	3554.20
12/19/02 11:19:00 AM	1.4000	3556.93
12/19/02 11:19:30 AM	1.4083	3559.68
12/19/02 11:20:00 AM	1.4167	3562.44
12/19/02 11:20:30 AM	1.4250	3565.11
12/19/02 11:21:00 AM	1.4333	3567.72
12/19/02 11:21:30 AM	1.4417	3570.30
12/19/02 11:22:00 AM	1.4500	3572.91
12/19/02 11:22:30 AM	1.4583	3575.47
12/19/02 11:23:00 AM	1.4667	3577.97
12/19/02 11:23:30 AM	1.4750	3580.40
12/19/02 11:24:00 AM	1.4833	3583.00
12/19/02 11:24:30 AM	1.4917	3585.61
12/19/02 11:25:00 AM	1.5000	3588.15
12/19/02 11:25:30 AM	1.5083	3590.56
12/19/02 11:26:00 AM	1.5167	3592.92
12/19/02 11:26:30 AM	1.5250	3595.34
12/19/02 11:27:00 AM	1.5333	3597.81
12/19/02 11:27:30 AM	1.5417	3600.18
12/19/02 11:28:00 AM	1.5500	3602.48
12/19/02 11:28:30 AM	1.5583	3604.74
12/19/02 11:29:00 AM	1.5667	3607.05
12/19/02 11:29:30 AM	1.5750	3609.36
12/19/02 11:30:00 AM	1.5833	3611.92
12/19/02 11:30:01 AM		
12/19/02 11:30:30 AM	1.5917	3615.68
12/19/02 11:31:00 AM	1.6000	3619.58
12/19/02 11:31:30 AM	1.6083	3624.58
12/19/02 11:32:00 AM	1.6167	3628.56
12/19/02 11:32:30 AM	1.6250	3632.30
12/19/02 11:33:00 AM	1.6333	3635.96
12/19/02 11:33:30 AM	1.6417	3639.45
12/19/02 11:34:00 AM	1.6500	3642.77
12/19/02 11:34:30 AM	1.6583	3646.14
12/19/02 11:35:00 AM	1.6667	3649.47
12/19/02 11:35:30 AM	1.6750	3652.59
12/19/02 11:36:00 AM	1.6833	3655.70
12/19/02 11:36:30 AM	1.6917	3658.80
12/19/02 11:37:00 AM	1.7000	3661.86
12/19/02 11:37:30 AM	1.7083	3664.76
12/19/02 11:38:00 AM	1.7167	3667.64
12/19/02 11:38:30 AM	1.7250	3670.53
12/19/02 11:39:00 AM	1.7333	3673.34
12/19/02 11:39:30 AM	1.7417	3676.05
12/19/02 11:40:00 AM	1.7500	3678.70
12/19/02 11:40:30 AM	1.7583	3681.38

START 3RD RATE @ 75 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 11:41:00 AM	1.7667	3684.02
12/19/02 11:41:30 AM	1.7750	3686.59
12/19/02 11:42:00 AM	1.7833	3689.07
12/19/02 11:42:30 AM	1.7917	3691.54
12/19/02 11:43:00 AM	1.8000	3694.00
12/19/02 11:43:30 AM	1.8083	3696.53
12/19/02 11:44:00 AM	1.8167	3698.98
12/19/02 11:44:30 AM	1.8250	3701.30
12/19/02 11:45:00 AM	1.8333	3703.59
12/19/02 11:45:30 AM	1.8417	3705.94
12/19/02 11:46:00 AM	1.8500	3708.42
12/19/02 11:46:30 AM	1.8583	3711.37
12/19/02 11:47:00 AM	1.8667	3713.98
12/19/02 11:47:30 AM	1.8750	3716.49
12/19/02 11:48:00 AM	1.8833	3719.00
12/19/02 11:48:30 AM	1.8917	3721.48
12/19/02 11:49:00 AM	1.9000	3723.85
12/19/02 11:49:30 AM	1.9083	3726.09
12/19/02 11:50:00 AM	1.9167	3728.30
12/19/02 11:50:30 AM	1.9250	3730.56
12/19/02 11:51:00 AM	1.9333	3732.81
12/19/02 11:51:30 AM	1.9417	3734.99
12/19/02 11:52:00 AM	1.9500	3738.02
12/19/02 11:52:30 AM	1.9583	3740.93
12/19/02 11:53:00 AM	1.9667	3743.82
12/19/02 11:53:30 AM	1.9750	3746.59
12/19/02 11:54:00 AM	1.9833	3749.18
12/19/02 11:54:30 AM	1.9917	3751.67
12/19/02 11:55:00 AM	2.0000	3754.18
12/19/02 11:55:30 AM	2.0083	3756.66
12/19/02 11:56:00 AM	2.0167	3759.10
12/19/02 11:56:30 AM	2.0250	3761.43
12/19/02 11:57:00 AM	2.0333	3763.71
12/19/02 11:57:30 AM	2.0417	3765.96
12/19/02 11:58:00 AM	2.0500	3768.18
12/19/02 11:58:30 AM	2.0583	3770.37
12/19/02 11:59:00 AM	2.0667	3772.51
12/19/02 11:59:01 AM		
12/19/02 11:59:30 AM	2.0750	3774.57
12/19/02 12:00:00 PM	2.0833	3776.56
12/19/02 12:00:30 PM	2.0917	3778.60
12/19/02 12:01:00 PM	2.1000	3780.64
12/19/02 12:01:30 PM	2.1083	3782.68
12/19/02 12:02:00 PM	2.1167	3784.64
12/19/02 12:02:30 PM	2.1250	3786.52
12/19/02 12:03:00 PM	2.1333	3788.33
12/19/02 12:03:30 PM	2.1417	3790.21
12/19/02 12:04:00 PM	2.1500	3792.26

START 4TH RATE @ 100 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 12:04:30 PM	2.1583	3794.72
12/19/02 12:05:00 PM	2.1667	3796.95
12/19/02 12:05:30 PM	2.1750	3798.98
12/19/02 12:06:00 PM	2.1833	3800.96
12/19/02 12:06:30 PM	2.1917	3803.01
12/19/02 12:07:00 PM	2.2000	3805.02
12/19/02 12:07:30 PM	2.2083	3806.99
12/19/02 12:08:00 PM	2.2167	3808.93
12/19/02 12:08:30 PM	2.2250	3810.73
12/19/02 12:09:00 PM	2.2333	3812.55
12/19/02 12:09:30 PM	2.2417	3814.35
12/19/02 12:10:00 PM	2.2500	3816.13
12/19/02 12:10:30 PM	2.2583	3817.94
12/19/02 12:11:00 PM	2.2667	3819.67
12/19/02 12:11:30 PM	2.2750	3821.37
12/19/02 12:12:00 PM	2.2833	3822.95
12/19/02 12:12:30 PM	2.2917	3825.14
12/19/02 12:13:00 PM	2.3000	3827.26
12/19/02 12:13:30 PM	2.3083	3829.29
12/19/02 12:14:00 PM	2.3167	3831.22
12/19/02 12:14:30 PM	2.3250	3833.11
12/19/02 12:15:00 PM	2.3333	3834.90
12/19/02 12:15:30 PM	2.3417	3836.67
12/19/02 12:16:00 PM	2.3500	3838.38
12/19/02 12:16:30 PM	2.3583	3840.10
12/19/02 12:17:00 PM	2.3667	3841.82
12/19/02 12:17:30 PM	2.3750	3843.49
12/19/02 12:18:00 PM	2.3833	3845.13
12/19/02 12:18:30 PM	2.3917	3846.71
12/19/02 12:19:00 PM	2.4000	3848.26
12/19/02 12:19:30 PM	2.4083	3849.77
12/19/02 12:20:00 PM	2.4167	3851.33
12/19/02 12:20:30 PM	2.4250	3852.85
12/19/02 12:21:00 PM	2.4333	3854.35
12/19/02 12:21:30 PM	2.4417	3855.83
12/19/02 12:22:00 PM	2.4500	3857.85
12/19/02 12:22:30 PM	2.4583	3859.75
12/19/02 12:23:00 PM	2.4667	3861.54
12/19/02 12:23:30 PM	2.4750	3863.29
12/19/02 12:24:00 PM	2.4833	3864.96
12/19/02 12:24:30 PM	2.4917	3866.58
12/19/02 12:25:00 PM	2.5000	3868.17
12/19/02 12:25:30 PM	2.5083	3869.77
12/19/02 12:26:00 PM	2.5167	3871.27
12/19/02 12:26:30 PM	2.5250	3872.71
12/19/02 12:27:00 PM	2.5333	3874.14
12/19/02 12:27:30 PM	2.5417	3875.59
12/19/02 12:28:00 PM	2.5500	3877.03

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 12:28:30 PM	2.5583	3878.42	
12/19/02 12:29:00 PM	2.5667	3879.80	
12/19/02 12:29:01 PM			START 5TH RATE @ 125 BPD*
12/19/02 12:29:30 PM	2.5750	3881.16	
12/19/02 12:30:00 PM	2.5833	3882.48	
12/19/02 12:30:30 PM	2.5917	3883.75	
12/19/02 12:31:00 PM	2.6000	3885.00	
12/19/02 12:31:30 PM	2.6083	3887.07	
12/19/02 12:32:00 PM	2.6167	3889.56	
12/19/02 12:32:30 PM	2.6250	3891.77	
12/19/02 12:33:00 PM	2.6333	3893.80	
12/19/02 12:33:30 PM	2.6417	3895.66	
12/19/02 12:34:00 PM	2.6500	3897.41	
12/19/02 12:34:30 PM	2.6583	3899.15	
12/19/02 12:35:00 PM	2.6667	3900.86	
12/19/02 12:35:30 PM	2.6750	3902.51	
12/19/02 12:36:00 PM	2.6833	3904.08	
12/19/02 12:36:30 PM	2.6917	3905.56	
12/19/02 12:37:00 PM	2.7000	3907.03	
12/19/02 12:37:30 PM	2.7083	3908.46	
12/19/02 12:38:00 PM	2.7167	3909.80	
12/19/02 12:38:30 PM	2.7250	3911.18	
12/19/02 12:39:00 PM	2.7333	3912.52	
12/19/02 12:39:30 PM	2.7417	3913.90	
12/19/02 12:40:00 PM	2.7500	3915.27	
12/19/02 12:40:30 PM	2.7583	3916.61	
12/19/02 12:40:31 PM			SWITCH FROM SITE INJECTION FACILITY TO PUMP TRUCK
12/19/02 12:41:00 PM	2.7667	3912.45	
12/19/02 12:41:30 PM	2.7750	3907.61	
12/19/02 12:42:00 PM	2.7833	3907.16	
12/19/02 12:42:30 PM	2.7917	3908.79	
12/19/02 12:43:00 PM	2.8000	3912.19	
12/19/02 12:43:30 PM	2.8083	3913.63	
12/19/02 12:44:00 PM	2.8167	3914.31	
12/19/02 12:44:30 PM	2.8250	3917.51	
12/19/02 12:45:00 PM	2.8333	3918.36	
12/19/02 12:45:30 PM	2.8417	3918.70	
12/19/02 12:46:00 PM	2.8500	3921.62	
12/19/02 12:46:30 PM	2.8583	3922.22	
12/19/02 12:47:00 PM	2.8667	3922.12	
12/19/02 12:47:30 PM	2.8750	3925.08	
12/19/02 12:48:00 PM	2.8833	3925.60	
12/19/02 12:48:30 PM	2.8917	3925.35	
12/19/02 12:49:00 PM	2.9000	3928.28	
12/19/02 12:49:30 PM	2.9083	3928.83	
12/19/02 12:50:00 PM	2.9167	3928.61	
12/19/02 12:50:30 PM	2.9250	3931.28	
12/19/02 12:51:00 PM	2.9333	3931.62	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 12:51:30 PM	2.9417	3932.20
12/19/02 12:52:00 PM	2.9500	3934.21
12/19/02 12:52:30 PM	2.9583	3934.51
12/19/02 12:53:00 PM	2.9667	3936.00
12/19/02 12:53:30 PM	2.9750	3937.29
12/19/02 12:54:00 PM	2.9833	3937.54
12/19/02 12:54:30 PM	2.9917	3939.86
12/19/02 12:55:00 PM	3.0000	3940.57
12/19/02 12:55:30 PM	3.0083	3940.76
12/19/02 12:56:00 PM	3.0167	3943.46
12/19/02 12:56:30 PM	3.0250	3943.96
12/19/02 12:57:00 PM	3.0333	3944.01
12/19/02 12:57:30 PM	3.0417	3946.64
12/19/02 12:58:00 PM	3.0500	3947.06
12/19/02 12:58:30 PM	3.0583	3946.75
12/19/02 12:59:00 PM	3.0667	3949.55
12/19/02 12:59:30 PM	3.0750	3949.90
12/19/02 01:00:00 PM	3.0833	3949.48
12/19/02 01:00:30 PM	3.0917	3952.26
12/19/02 01:01:00 PM	3.1000	3954.40
12/19/02 01:01:30 PM	3.1083	3956.32
12/19/02 01:02:00 PM	3.1167	3957.74
12/19/02 01:02:30 PM	3.1250	3958.33
12/19/02 01:02:31 PM		START 6TH RATE @ 150 BPD
12/19/02 01:03:00 PM	3.1333	3956.85
12/19/02 01:03:30 PM	3.1417	3951.67
12/19/02 01:04:00 PM	3.1500	3948.10
12/19/02 01:04:30 PM	3.1583	3945.17
12/19/02 01:05:00 PM	3.1667	3942.55
12/19/02 01:05:30 PM	3.1750	3940.08
12/19/02 01:06:00 PM	3.1833	3937.74
12/19/02 01:06:30 PM	3.1917	3942.83
12/19/02 01:07:00 PM	3.2000	3946.18
12/19/02 01:07:30 PM	3.2083	3949.95
12/19/02 01:08:00 PM	3.2167	3953.03
12/19/02 01:08:30 PM	3.2250	3952.83
12/19/02 01:09:00 PM	3.2333	3957.79
12/19/02 01:09:30 PM	3.2417	3959.57
12/19/02 01:10:00 PM	3.2500	3962.65
12/19/02 01:10:30 PM	3.2583	3962.23
12/19/02 01:11:00 PM	3.2667	3964.54
12/19/02 01:11:30 PM	3.2750	3967.45
12/19/02 01:12:00 PM	3.2833	3969.00
12/19/02 01:12:30 PM	3.2917	3971.30
12/19/02 01:13:00 PM	3.3000	3970.11
12/19/02 01:13:30 PM	3.3083	3973.25
12/19/02 01:14:00 PM	3.3167	3974.97
12/19/02 01:14:30 PM	3.3250	3976.88

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 01:15:00 PM	3.3333	3978.54	
12/19/02 01:15:30 PM	3.3417	3977.56	
12/19/02 01:16:00 PM	3.3500	3981.14	
12/19/02 01:16:30 PM	3.3583	3982.03	
12/19/02 01:17:00 PM	3.3667	3984.14	
12/19/02 01:17:30 PM	3.3750	3984.61	
12/19/02 01:18:00 PM	3.3833	3984.83	
12/19/02 01:18:30 PM	3.3917	3987.90	
12/19/02 01:19:00 PM	3.4000	3988.71	
12/19/02 01:19:30 PM	3.4083	3991.15	
12/19/02 01:20:00 PM	3.4167	3990.28	
12/19/02 01:20:30 PM	3.4250	3991.81	
12/19/02 01:21:00 PM	3.4333	3994.21	
12/19/02 01:21:30 PM	3.4417	3995.15	
12/19/02 01:22:00 PM	3.4500	3997.21	
12/19/02 01:22:30 PM	3.4583	3995.80	
12/19/02 01:23:00 PM	3.4667	3998.35	
12/19/02 01:23:30 PM	3.4750	4000.00	
12/19/02 01:24:00 PM	3.4833	4001.36	
12/19/02 01:24:30 PM	3.4917	4002.96	
12/19/02 01:25:00 PM	3.5000	4001.61	
12/19/02 01:25:30 PM	3.5083	4004.71	
12/19/02 01:26:00 PM	3.5167	4005.54	
12/19/02 01:26:30 PM	3.5250	4007.33	
12/19/02 01:27:00 PM	3.5333	4007.87	
12/19/02 01:27:30 PM	3.5417	4007.44	
12/19/02 01:28:00 PM	3.5500	4010.36	
12/19/02 01:28:30 PM	3.5583	4010.91	
12/19/02 01:29:00 PM	3.5667	4013.04	
12/19/02 01:29:30 PM	3.5750	4012.35	
12/19/02 01:30:00 PM	3.5833	4013.20	
12/19/02 01:30:30 PM	3.5917	4015.67	
12/19/02 01:31:00 PM	3.6000	4016.27	
12/19/02 01:31:30 PM	3.6083	4018.21	
12/19/02 01:31:31 PM			START 7TH RATE @ 175 BPD
12/19/02 01:32:00 PM	3.6167	4013.67	
12/19/02 01:32:30 PM	3.6250	4009.24	
12/19/02 01:33:00 PM	3.6333	4005.91	
12/19/02 01:33:30 PM	3.6417	4003.04	
12/19/02 01:34:00 PM	3.6500	4000.40	
12/19/02 01:34:30 PM	3.6583	3997.99	
12/19/02 01:35:00 PM	3.6667	3995.80	
12/19/02 01:35:30 PM	3.6750	3993.81	
12/19/02 01:36:00 PM	3.6833	3997.96	
12/19/02 01:36:30 PM	3.6917	4003.97	
12/19/02 01:37:00 PM	3.7000	4009.37	
12/19/02 01:37:30 PM	3.7083	4014.59	
12/19/02 01:38:00 PM	3.7167	4019.10	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 01:38:30 PM	3.7250	4022.91	
12/19/02 01:39:00 PM	3.7333	4026.67	
12/19/02 01:39:30 PM	3.7417	4029.81	
12/19/02 01:40:00 PM	3.7500	4032.99	
12/19/02 01:40:30 PM	3.7583	4035.70	
12/19/02 01:41:00 PM	3.7667	4038.81	
12/19/02 01:41:30 PM	3.7750	4041.38	
12/19/02 01:42:00 PM	3.7833	4044.12	
12/19/02 01:42:30 PM	3.7917	4046.44	
12/19/02 01:43:00 PM	3.8000	4049.16	
12/19/02 01:43:30 PM	3.8083	4051.39	
12/19/02 01:44:00 PM	3.8167	4053.90	
12/19/02 01:44:30 PM	3.8250	4055.95	
12/19/02 01:45:00 PM	3.8333	4058.35	
12/19/02 01:45:30 PM	3.8417	4060.36	
12/19/02 01:46:00 PM	3.8500	4062.64	
12/19/02 01:46:30 PM	3.8583	4064.59	
12/19/02 01:47:00 PM	3.8667	4066.71	
12/19/02 01:47:30 PM	3.8750	4068.53	
12/19/02 01:48:00 PM	3.8833	4070.51	
12/19/02 01:48:30 PM	3.8917	4072.36	
12/19/02 01:49:00 PM	3.9000	4074.29	
12/19/02 01:49:30 PM	3.9083	4076.11	
12/19/02 01:50:00 PM	3.9167	4077.92	
12/19/02 01:50:30 PM	3.9250	4079.64	
12/19/02 01:51:00 PM	3.9333	4081.31	
12/19/02 01:51:30 PM	3.9417	4083.02	
12/19/02 01:52:00 PM	3.9500	4084.68	
12/19/02 01:52:30 PM	3.9583	4086.45	
12/19/02 01:53:00 PM	3.9667	4088.03	
12/19/02 01:53:30 PM	3.9750	4089.72	
12/19/02 01:54:00 PM	3.9833	4091.12	
12/19/02 01:54:30 PM	3.9917	4092.77	
12/19/02 01:55:00 PM	4.0000	4094.13	
12/19/02 01:55:30 PM	4.0083	4095.83	
12/19/02 01:56:00 PM	4.0167	4097.18	
12/19/02 01:56:30 PM	4.0250	4098.88	
12/19/02 01:57:00 PM	4.0333	4100.15	
12/19/02 01:57:30 PM	4.0417	4101.71	
12/19/02 01:58:00 PM	4.0500	4102.92	
12/19/02 01:58:30 PM	4.0583	4104.43	
12/19/02 01:59:00 PM	4.0667	4105.59	
12/19/02 01:59:01 PM			START 8TH RATE @ 200 BPD
12/19/02 01:59:30 PM	4.0750	4107.08	
12/19/02 02:00:00 PM	4.0833	4108.39	
12/19/02 02:00:30 PM	4.0917	4110.16	
12/19/02 02:01:00 PM	4.1000	4111.67	
12/19/02 02:01:30 PM	4.1083	4113.14	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 02:02:00 PM	4.1167	4114.52	
12/19/02 02:02:30 PM	4.1250	4115.85	
12/19/02 02:03:00 PM	4.1333	4117.22	
12/19/02 02:03:30 PM	4.1417	4118.57	
12/19/02 02:04:00 PM	4.1500	4119.86	
12/19/02 02:04:30 PM	4.1583	4121.19	
12/19/02 02:05:00 PM	4.1667	4122.54	
12/19/02 02:05:30 PM	4.1750	4123.80	
12/19/02 02:06:00 PM	4.1833	4124.99	
12/19/02 02:06:30 PM	4.1917	4126.20	
12/19/02 02:07:00 PM	4.2000	4127.38	
12/19/02 02:07:30 PM	4.2083	4128.61	
12/19/02 02:08:00 PM	4.2167	4129.80	
12/19/02 02:08:30 PM	4.2250	4130.98	
12/19/02 02:09:00 PM	4.2333	4132.10	
12/19/02 02:09:30 PM	4.2417	4133.20	
12/19/02 02:10:00 PM	4.2500	4134.29	
12/19/02 02:10:30 PM	4.2583	4135.34	
12/19/02 02:11:00 PM	4.2667	4136.38	
12/19/02 02:11:30 PM	4.2750	4137.39	
12/19/02 02:12:00 PM	4.2833	4138.44	
12/19/02 02:12:30 PM	4.2917	4139.55	
12/19/02 02:13:00 PM	4.3000	4140.59	
12/19/02 02:13:30 PM	4.3083	4141.72	
12/19/02 02:14:00 PM	4.3167	4142.77	
12/19/02 02:14:30 PM	4.3250	4143.81	
12/19/02 02:15:00 PM	4.3333	4144.87	
12/19/02 02:15:30 PM	4.3417	4145.86	
12/19/02 02:16:00 PM	4.3500	4146.78	
12/19/02 02:16:30 PM	4.3583	4147.75	
12/19/02 02:17:00 PM	4.3667	4148.66	
12/19/02 02:17:30 PM	4.3750	4149.57	
12/19/02 02:18:00 PM	4.3833	4150.48	
12/19/02 02:18:30 PM	4.3917	4151.39	
12/19/02 02:19:00 PM	4.4000	4152.31	
12/19/02 02:19:30 PM	4.4083	4153.23	
12/19/02 02:20:00 PM	4.4167	4154.14	
12/19/02 02:20:30 PM	4.4250	4155.01	
12/19/02 02:21:00 PM	4.4333	4155.89	
12/19/02 02:21:30 PM	4.4417	4156.70	
12/19/02 02:22:00 PM	4.4500	4157.52	
12/19/02 02:22:30 PM	4.4583	4158.26	
12/19/02 02:23:00 PM	4.4667	4159.06	
12/19/02 02:23:30 PM	4.4750	4159.78	
12/19/02 02:24:00 PM	4.4833	4160.54	
12/19/02 02:24:30 PM	4.4917	4161.27	
12/19/02 02:25:00 PM	4.5000	4162.03	
12/19/02 02:25:30 PM	4.5083	4162.84	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 02:26:00 PM	4.5167	4163.60	
12/19/02 02:26:30 PM	4.5250	4164.39	
12/19/02 02:27:00 PM	4.5333	4165.22	
12/19/02 02:27:30 PM	4.5417	4165.97	
12/19/02 02:28:00 PM	4.5500	4166.82	
12/19/02 02:28:30 PM	4.5583	4167.58	
12/19/02 02:29:00 PM	4.5667	4168.32	
12/19/02 02:29:01 PM			START 9TH RATE @ 225 BPD
12/19/02 02:29:30 PM	4.5750	4169.09	
12/19/02 02:30:00 PM	4.5833	4169.77	
12/19/02 02:30:30 PM	4.5917	4170.62	
12/19/02 02:31:00 PM	4.6000	4171.93	
12/19/02 02:31:30 PM	4.6083	4173.21	
12/19/02 02:32:00 PM	4.6167	4174.31	
12/19/02 02:32:30 PM	4.6250	4175.41	
12/19/02 02:33:00 PM	4.6333	4176.49	
12/19/02 02:33:30 PM	4.6417	4177.49	
12/19/02 02:34:00 PM	4.6500	4178.45	
12/19/02 02:34:30 PM	4.6583	4179.45	
12/19/02 02:35:00 PM	4.6667	4180.28	
12/19/02 02:35:30 PM	4.6750	4181.10	
12/19/02 02:36:00 PM	4.6833	4181.97	
12/19/02 02:36:30 PM	4.6917	4182.82	
12/19/02 02:37:00 PM	4.7000	4183.63	
12/19/02 02:37:30 PM	4.7083	4184.48	
12/19/02 02:38:00 PM	4.7167	4185.29	
12/19/02 02:38:30 PM	4.7250	4186.13	
12/19/02 02:39:00 PM	4.7333	4186.92	
12/19/02 02:39:30 PM	4.7417	4187.72	
12/19/02 02:40:00 PM	4.7500	4188.51	
12/19/02 02:40:30 PM	4.7583	4189.25	
12/19/02 02:41:00 PM	4.7667	4190.09	
12/19/02 02:41:30 PM	4.7750	4190.77	
12/19/02 02:42:00 PM	4.7833	4191.45	
12/19/02 02:42:30 PM	4.7917	4192.20	
12/19/02 02:43:00 PM	4.8000	4192.89	
12/19/02 02:43:30 PM	4.8083	4193.49	
12/19/02 02:44:00 PM	4.8167	4194.22	
12/19/02 02:44:30 PM	4.8250	4194.85	
12/19/02 02:45:00 PM	4.8333	4195.48	
12/19/02 02:45:30 PM	4.8417	4196.20	
12/19/02 02:46:00 PM	4.8500	4196.88	
12/19/02 02:46:30 PM	4.8583	4197.43	
12/19/02 02:47:00 PM	4.8667	4198.19	
12/19/02 02:47:30 PM	4.8750	4198.81	
12/19/02 02:48:00 PM	4.8833	4199.39	
12/19/02 02:48:30 PM	4.8917	4200.07	
12/19/02 02:49:00 PM	4.9000	4200.69	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 02:49:30 PM	4.9083	4201.20
12/19/02 02:50:00 PM	4.9167	4201.89
12/19/02 02:50:30 PM	4.9250	4202.48
12/19/02 02:51:00 PM	4.9333	4202.95
12/19/02 02:51:30 PM	4.9417	4203.55
12/19/02 02:52:00 PM	4.9500	4204.08
12/19/02 02:52:30 PM	4.9583	4204.56
12/19/02 02:53:00 PM	4.9667	4205.23
12/19/02 02:53:30 PM	4.9750	4205.71
12/19/02 02:54:00 PM	4.9833	4206.16
12/19/02 02:54:30 PM	4.9917	4206.86
12/19/02 02:55:00 PM	5.0000	4207.42
12/19/02 02:55:30 PM	5.0083	4207.85
12/19/02 02:56:00 PM	5.0167	4208.48
12/19/02 02:56:30 PM	5.0250	4208.99
12/19/02 02:57:00 PM	5.0333	4209.41
12/19/02 02:57:30 PM	5.0417	4210.04
12/19/02 02:58:00 PM	5.0500	4210.56
12/19/02 02:58:30 PM	5.0583	4210.95
12/19/02 02:59:00 PM	5.0667	4211.61
12/19/02 02:59:01 PM		
12/19/02 02:59:30 PM	5.0750	4212.08
12/19/02 03:00:00 PM	5.0833	4212.45
12/19/02 03:00:30 PM	5.0917	4213.01
12/19/02 03:01:00 PM	5.1000	4214.06
12/19/02 03:01:30 PM	5.1083	4214.94
12/19/02 03:02:00 PM	5.1167	4215.72
12/19/02 03:02:30 PM	5.1250	4216.34
12/19/02 03:03:00 PM	5.1333	4217.25
12/19/02 03:03:30 PM	5.1417	4217.86
12/19/02 03:04:00 PM	5.1500	4218.50
12/19/02 03:04:30 PM	5.1583	4219.18
12/19/02 03:05:00 PM	5.1667	4219.85
12/19/02 03:05:30 PM	5.1750	4220.29
12/19/02 03:06:00 PM	5.1833	4220.94
12/19/02 03:06:30 PM	5.1917	4221.59
12/19/02 03:07:00 PM	5.2000	4222.04
12/19/02 03:07:30 PM	5.2083	4222.63
12/19/02 03:08:00 PM	5.2167	4223.29
12/19/02 03:08:30 PM	5.2250	4223.77
12/19/02 03:09:00 PM	5.2333	4224.24
12/19/02 03:09:30 PM	5.2417	4224.82
12/19/02 03:10:00 PM	5.2500	4225.37
12/19/02 03:10:30 PM	5.2583	4225.80
12/19/02 03:11:00 PM	5.2667	4226.31
12/19/02 03:11:30 PM	5.2750	4226.86
12/19/02 03:12:00 PM	5.2833	4227.29
12/19/02 03:12:30 PM	5.2917	4227.73

START 10TH RATE @ 250 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 03:13:00 PM	5.3000	4228.31
12/19/02 03:13:30 PM	5.3083	4228.77
12/19/02 03:14:00 PM	5.3167	4229.16
12/19/02 03:14:30 PM	5.3250	4229.75
12/19/02 03:15:00 PM	5.3333	4230.12
12/19/02 03:15:30 PM	5.3417	4230.47
12/19/02 03:16:00 PM	5.3500	4230.91
12/19/02 03:16:30 PM	5.3583	4231.40
12/19/02 03:17:00 PM	5.3667	4231.77
12/19/02 03:17:30 PM	5.3750	4232.15
12/19/02 03:18:00 PM	5.3833	4232.73
12/19/02 03:18:30 PM	5.3917	4233.11
12/19/02 03:19:00 PM	5.4000	4233.49
12/19/02 03:19:30 PM	5.4083	4233.91
12/19/02 03:20:00 PM	5.4167	4234.35
12/19/02 03:20:30 PM	5.4250	4234.62
12/19/02 03:21:00 PM	5.4333	4235.08
12/19/02 03:21:30 PM	5.4417	4235.51
12/19/02 03:22:00 PM	5.4500	4235.82
12/19/02 03:22:30 PM	5.4583	4236.20
12/19/02 03:23:00 PM	5.4667	4236.73
12/19/02 03:23:30 PM	5.4750	4237.09
12/19/02 03:24:00 PM	5.4833	4237.41
12/19/02 03:24:30 PM	5.4917	4237.84
12/19/02 03:25:00 PM	5.5000	4238.28
12/19/02 03:25:30 PM	5.5083	4238.52
12/19/02 03:26:00 PM	5.5167	4238.92
12/19/02 03:26:30 PM	5.5250	4239.39
12/19/02 03:27:00 PM	5.5333	4239.67
12/19/02 03:27:30 PM	5.5417	4240.04
12/19/02 03:28:00 PM	5.5500	4240.51
12/19/02 03:28:30 PM	5.5583	4240.89
12/19/02 03:29:00 PM	5.5667	4241.19
12/19/02 03:29:01 PM		
12/19/02 03:29:30 PM	5.5750	4241.58
12/19/02 03:30:00 PM	5.5833	4241.99
12/19/02 03:30:30 PM	5.5917	4242.56
12/19/02 03:31:00 PM	5.6000	4243.01
12/19/02 03:31:30 PM	5.6083	4243.62
12/19/02 03:32:00 PM	5.6167	4244.04
12/19/02 03:32:30 PM	5.6250	4244.56
12/19/02 03:33:00 PM	5.6333	4244.96
12/19/02 03:33:30 PM	5.6417	4245.45
12/19/02 03:34:00 PM	5.6500	4245.78
12/19/02 03:34:30 PM	5.6583	4246.20
12/19/02 03:35:00 PM	5.6667	4246.54
12/19/02 03:35:30 PM	5.6750	4247.02
12/19/02 03:36:00 PM	5.6833	4247.34

START 11TH RATE @ 275 BPD

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 03:36:30 PM	5.6917	4247.75	
12/19/02 03:37:00 PM	5.7000	4248.10	
12/19/02 03:37:30 PM	5.7083	4248.52	
12/19/02 03:38:00 PM	5.7167	4248.77	
12/19/02 03:38:30 PM	5.7250	4249.20	
12/19/02 03:39:00 PM	5.7333	4249.55	
12/19/02 03:39:30 PM	5.7417	4249.91	
12/19/02 03:40:00 PM	5.7500	4250.25	
12/19/02 03:40:30 PM	5.7583	4250.56	
12/19/02 03:41:00 PM	5.7667	4250.92	
12/19/02 03:41:30 PM	5.7750	4251.20	
12/19/02 03:42:00 PM	5.7833	4251.61	
12/19/02 03:42:30 PM	5.7917	4251.85	
12/19/02 03:43:00 PM	5.8000	4252.32	
12/19/02 03:43:30 PM	5.8083	4252.55	
12/19/02 03:44:00 PM	5.8167	4252.90	
12/19/02 03:44:30 PM	5.8250	4253.16	
12/19/02 03:45:00 PM	5.8333	4253.53	
12/19/02 03:45:30 PM	5.8417	4253.76	
12/19/02 03:46:00 PM	5.8500	4254.17	
12/19/02 03:46:30 PM	5.8583	4254.41	
12/19/02 03:47:00 PM	5.8667	4254.74	
12/19/02 03:47:30 PM	5.8750	4254.98	
12/19/02 03:48:00 PM	5.8833	4255.37	
12/19/02 03:48:30 PM	5.8917	4255.61	
12/19/02 03:49:00 PM	5.9000	4255.96	
12/19/02 03:49:30 PM	5.9083	4256.21	
12/19/02 03:50:00 PM	5.9167	4256.55	
12/19/02 03:50:30 PM	5.9250	4256.77	
12/19/02 03:51:00 PM	5.9333	4257.10	
12/19/02 03:51:30 PM	5.9417	4257.36	
12/19/02 03:52:00 PM	5.9500	4257.63	
12/19/02 03:52:30 PM	5.9583	4257.88	
12/19/02 03:53:00 PM	5.9667	4258.13	
12/19/02 03:53:30 PM	5.9750	4258.40	
12/19/02 03:54:00 PM	5.9833	4258.59	
12/19/02 03:54:30 PM	5.9917	4258.92	
12/19/02 03:55:00 PM	6.0000	4259.08	
12/19/02 03:55:30 PM	6.0083	4259.41	
12/19/02 03:56:00 PM	6.0167	4259.57	
12/19/02 03:56:30 PM	6.0250	4259.86	
12/19/02 03:57:00 PM	6.0333	4259.99	
12/19/02 03:57:30 PM	6.0417	4260.36	
12/19/02 03:58:00 PM	6.0500	4260.49	
12/19/02 03:58:30 PM	6.0583	4260.80	
12/19/02 03:59:00 PM	6.0667	4260.98	
12/19/02 03:59:01 PM			START 12TH RATE @ 300 BPD
12/19/02 03:59:30 PM	6.0750	4261.28	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
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12/19/02 04:00:00 PM	6.0833	4261.39
12/19/02 04:00:30 PM	6.0917	4262.15
12/19/02 04:01:00 PM	6.1000	4262.58
12/19/02 04:01:30 PM	6.1083	4262.93
12/19/02 04:02:00 PM	6.1167	4263.36
12/19/02 04:02:30 PM	6.1250	4263.63
12/19/02 04:03:00 PM	6.1333	4263.93
12/19/02 04:03:30 PM	6.1417	4264.31
12/19/02 04:04:00 PM	6.1500	4264.56
12/19/02 04:04:30 PM	6.1583	4264.80
12/19/02 04:05:00 PM	6.1667	4265.20
12/19/02 04:05:30 PM	6.1750	4265.47
12/19/02 04:06:00 PM	6.1833	4265.64
12/19/02 04:06:30 PM	6.1917	4265.97
12/19/02 04:07:00 PM	6.2000	4266.24
12/19/02 04:07:30 PM	6.2083	4266.43
12/19/02 04:08:00 PM	6.2167	4266.72
12/19/02 04:08:30 PM	6.2250	4266.98
12/19/02 04:09:00 PM	6.2333	4267.13
12/19/02 04:09:30 PM	6.2417	4267.40
12/19/02 04:10:00 PM	6.2500	4267.69
12/19/02 04:10:30 PM	6.2583	4267.85
12/19/02 04:11:00 PM	6.2667	4268.01
12/19/02 04:11:30 PM	6.2750	4268.26
12/19/02 04:12:00 PM	6.2833	4268.44
12/19/02 04:12:30 PM	6.2917	4268.61
12/19/02 04:13:00 PM	6.3000	4268.89
12/19/02 04:13:30 PM	6.3083	4269.01
12/19/02 04:14:00 PM	6.3167	4269.19
12/19/02 04:14:30 PM	6.3250	4269.43
12/19/02 04:15:00 PM	6.3333	4269.57
12/19/02 04:15:30 PM	6.3417	4269.67
12/19/02 04:16:00 PM	6.3500	4269.92
12/19/02 04:16:30 PM	6.3583	4270.10
12/19/02 04:17:00 PM	6.3667	4270.17
12/19/02 04:17:30 PM	6.3750	4270.40
12/19/02 04:18:00 PM	6.3833	4270.56
12/19/02 04:18:30 PM	6.3917	4270.66
12/19/02 04:19:00 PM	6.4000	4270.78
12/19/02 04:19:30 PM	6.4083	4270.96
12/19/02 04:20:00 PM	6.4167	4270.98
12/19/02 04:20:30 PM	6.4250	4271.16
12/19/02 04:21:00 PM	6.4333	4271.29
12/19/02 04:21:30 PM	6.4417	4271.36
12/19/02 04:22:00 PM	6.4500	4271.43
12/19/02 04:22:30 PM	6.4583	4271.63
12/19/02 04:23:00 PM	6.4667	4271.67
12/19/02 04:23:30 PM	6.4750	4271.73

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIA	REMARKS - JOB NUMBER: 56473B
12/19/02 04:24:00 PM	6.4833	4271.91	
12/19/02 04:24:30 PM	6.4917	4271.93	
12/19/02 04:25:00 PM	6.5000	4272.02	
12/19/02 04:25:30 PM	6.5083	4272.19	
12/19/02 04:26:00 PM	6.5167	4272.23	
12/19/02 04:26:30 PM	6.5250	4272.24	
12/19/02 04:27:00 PM	6.5333	4272.37	
12/19/02 04:27:30 PM	6.5417	4272.42	
12/19/02 04:28:00 PM	6.5500	4272.46	
12/19/02 04:28:30 PM	6.5583	4272.57	
12/19/02 04:29:00 PM	6.5667	4272.65	
12/19/02 04:29:30 PM	6.5750	4272.64	
12/19/02 04:30:00 PM	6.5833	4272.71	
12/19/02 04:30:30 PM	6.5917	4272.76	
12/19/02 04:31:00 PM	6.6000	4272.71	
12/19/02 04:31:30 PM	6.6083	4272.77	
12/19/02 04:31:31 PM			END FINAL RATE
12/19/02 04:32:00 PM	6.6167	4268.50	
12/19/02 04:32:30 PM	6.6250	4265.80	
12/19/02 04:33:00 PM	6.6333	4263.61	
12/19/02 04:33:30 PM	6.6417	4261.84	
12/19/02 04:33:31 PM			OFF BOTTOM W/ GAUGE