

1 P1-22 N/R

Submit 3 Copies
To Appropriate
District Office
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

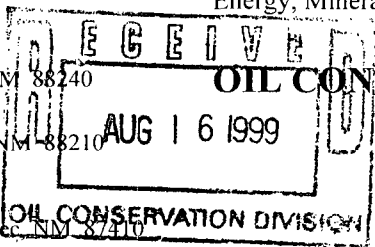
811 South First, Artesia NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89



OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-025-07887
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 23717
7. Lease Name or Unit Agreement Name: N.M.F. State
8. Well No. 1
9. Pool name or Wildcat Wildcat Glorieta

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ SWD	
2. Name of Operator Falcon Creek Resources, Inc.	
3. Address of Operator 621 17 th St., Suite 1800 Denver, CO 80293-0621	
4. Well Location Unit letter <u>D</u> : <u>660</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line Section <u>36</u> , Township <u>20S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON

TEMPORARILY ABANDON CHANGE PLANS

PULL OR ALTER CASING

OTHER: _____

SUBSEQUENT REPORT OF:

REMEDIAL WORK

ALTERING CASING

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

CASING TEST AND CEMENT JOB

OTHER: _____

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

See Attachments for a description and report.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Joe Cox TITLE Senior Engineer DATE 08/11/99

Type of print name Joe Cox Telephone No. (303) 675-0007

(This space for State use)

APPROVED

BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

NM "F" State # 1 SWD

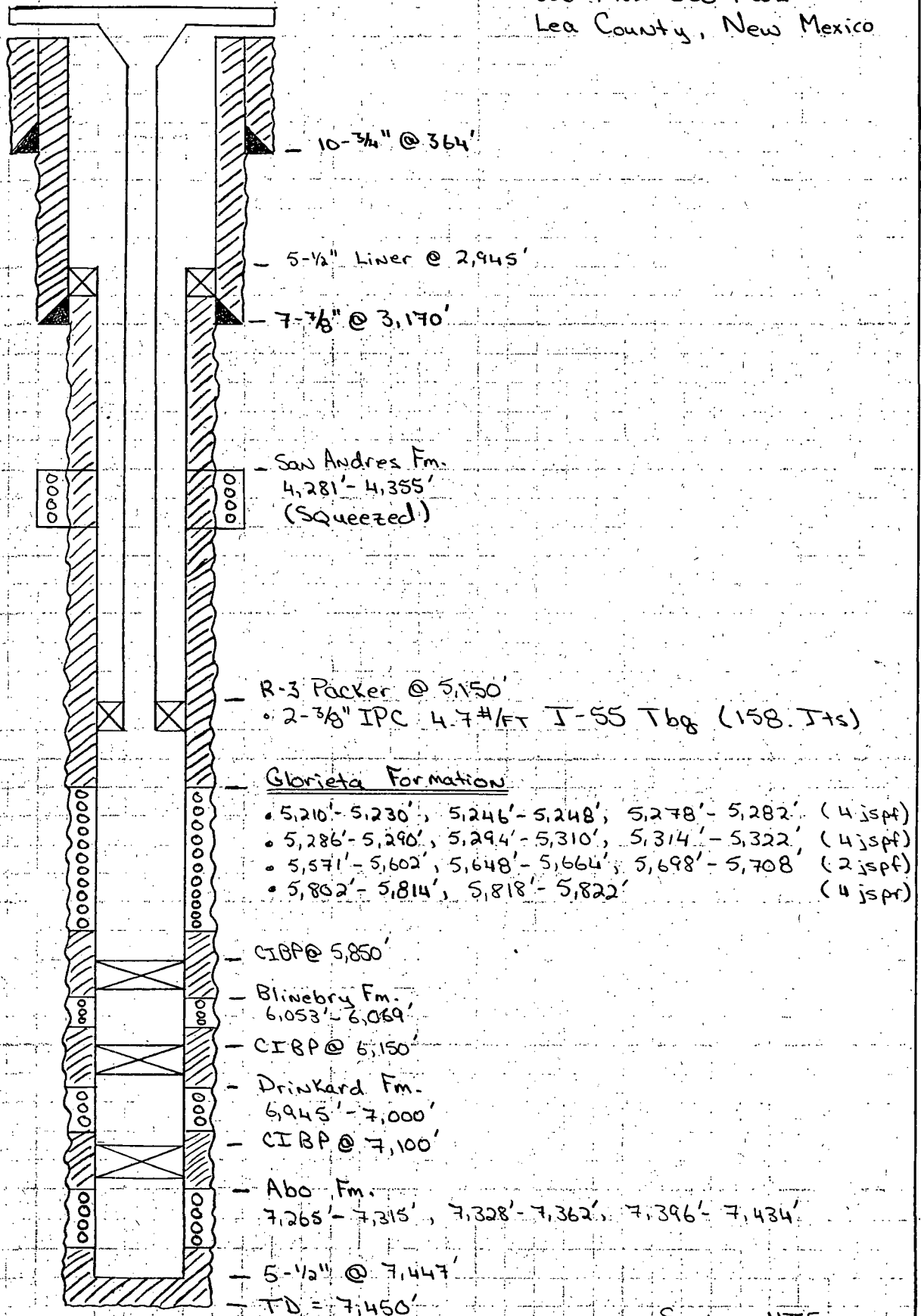
Administrative Order SWD-726

Sundry Notice:

1. Subject well was shut-in at 8:00 am on 8/3/99.
2. Step rate test was run from 12:45 p.m. until 6:00 p.m. on 8/5/99.
3. Downhole pressure bombs were hung at a depth of 5,120' KB.
4. Fracture pressure was determined to be at 4,055.7 psig (injection rate of 2,466 bwipd).
5. This calculates to a frac gradient of 0.735 psi/ft. (Mid-point of perforations is 5,516'. $FG = 4055.7 \text{ psi} / 5,516 \text{ ft} = 0.735 \text{ psi/ft.}$)
6. Falcon Creek Resources, Inc. requests that the maximum allowable injection pressure of the NM "F" # 1 be raised from 1,116 psi to 1,600 psi. ($[5,516' * \{0.735 - 0.433\} \text{ psi/ft}] = 1,666 \text{ psi}$).
7. Please see attached charts and data for confirmation of test.

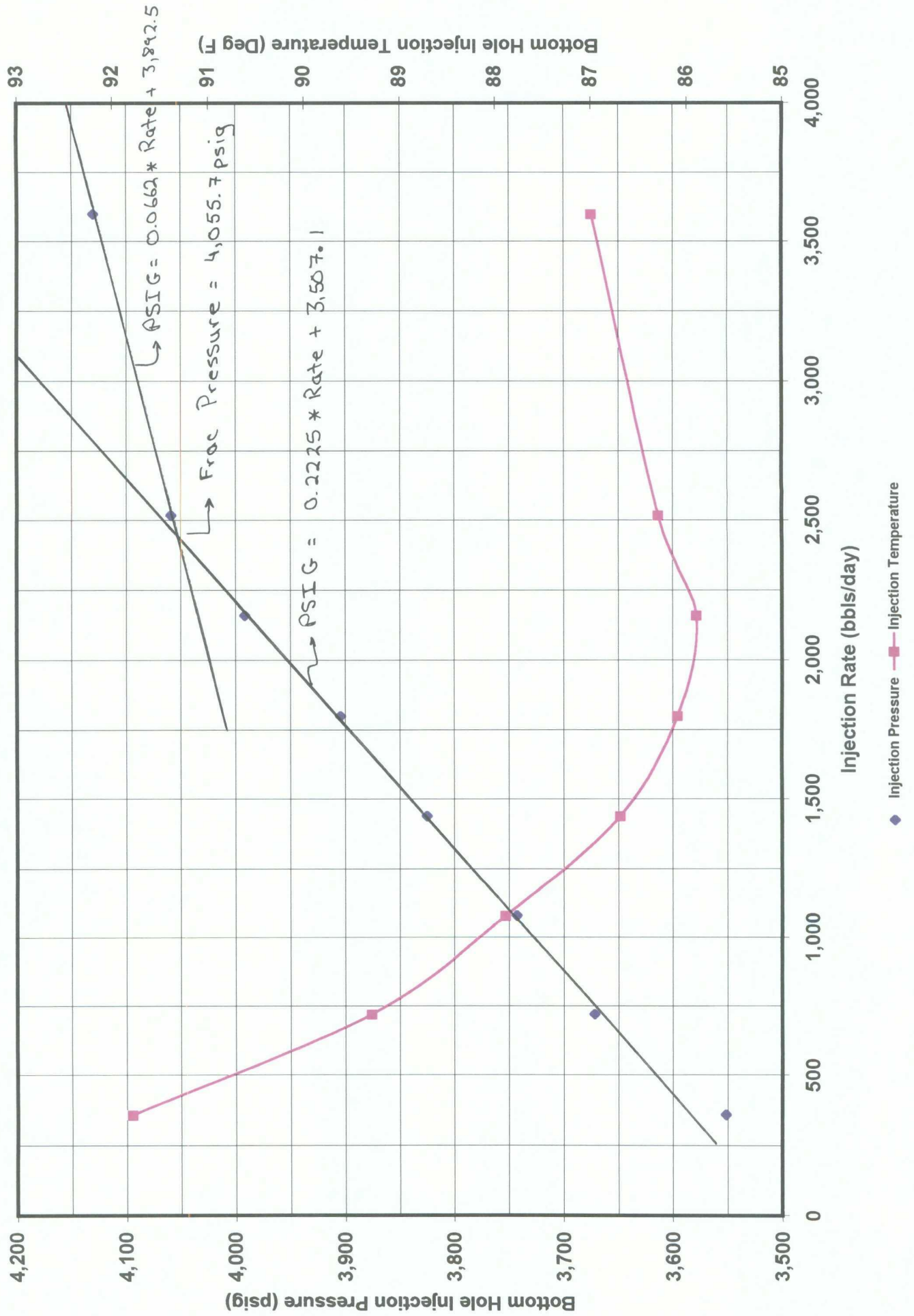
NM "F" State #1
 Sec. 36, T20S - R36E
 660' FNL - 660' FWL
 Lea County, New Mexico

22-141 50 SHEETS
 22-142 100 SHEETS
 22-144 200 SHEETS

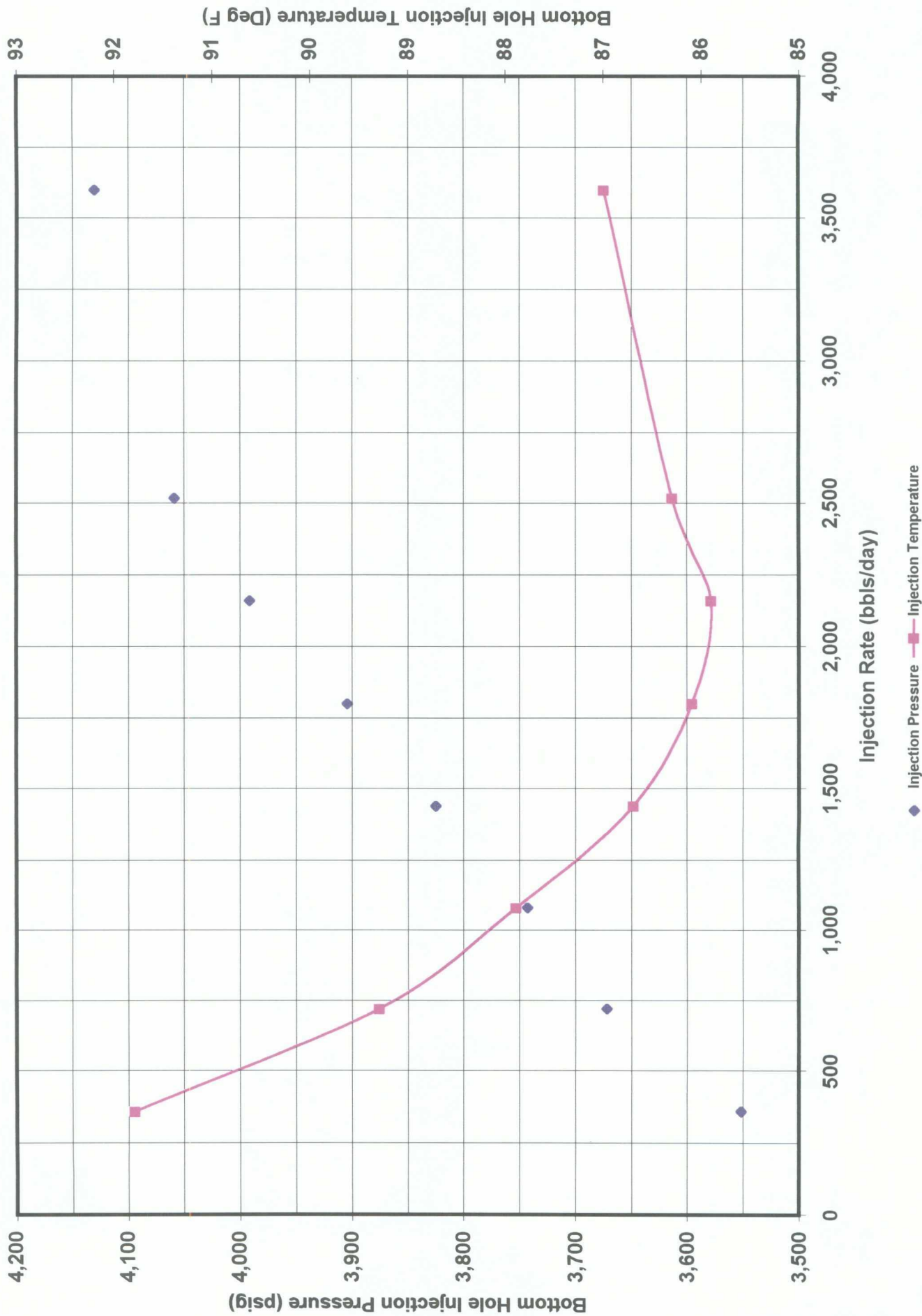


Scale: NTS

NM "F" State Well No. 1 Step Rate Test Data



NM "F" State Well No. 1
Step Rate Test Data



NM "F" State # 1 Step Rate Data (8-5-99)

Surface Injection Pressures

Rate @ 10 min. @ 20 min. @ 30 min.
(bwipd) (psig) (psig) (psig)

360	1,094	1,133	1,143
720	1,182	1,230	1,270
1,080	1,300	1,310	1,340
1,440	1,416	1,440	1,445
1,800	1,515	1,543	1,570
2,160	1,650	1,670	1,680
2,520	1,777	1,805	1,826
3,600	2,070	2,080	2,090

NM "F" State # 1 Step Rate Data

Rate Injection Injection
(bwipd) Pressure Temperature
(psig) (psig)

360	3,552.2	91.8
720	3,672.2	89.3
1,080	3,743.4	87.9
1,440	3,825.3	86.7
1,800	3,904.5	86.1
2,160	3,992.1	85.9
2,520	4,059.3	86.3
3,600	4,130.8	87.0



STIMULATION TREATMENT REPORT

Page 1

Date 05-AUG-99 District Hobbs F. Receipt 176110297 Customer Falcon Creek Resources, Inc.
 Lease NMF State # 1 Well Name NMF State # 1 Field Location 36/20-S/38-E
 County Lea State New Mexico Well API

WELL DATA		Well Type: <u>OLD</u>	Well Class: <u>DISPOSAL</u>			Depth TD/PB: <u>5850</u>		Formation: <u>GLORIETTA</u>	
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals	
TUBULAR	TBG	2.875	6.5	2.441		0	5150	Top	Bottom
TUBULAR	CSG	5.5	17	4.892		0	5850	SPF	Diameter
								5210	5822
								4	

Packer Type R-3 Packer Depth 5150 FT

TREATMENT DATA

Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)
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Total Prop Qty: _____

Previous Treatment N/A Previous Production N/A

Hole Loaded With Prod Water Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐

Ball Sealers: In Stages Type _____

Auxiliary Materials _____

LIQUID PUMPED AND CAPACITIES IN BBLs.

Tubing Cap.	29.8
Casing Cap.	15.6
Annular Cap.	122.5
Open Hole Cap.	0
Fluid to Load	0
Pad Volume	0
Treating Fluid	0
Flush	0
Overflush	0
Fluid to Recover	293.7

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
11:30						On Loc.
11:55						Safety meeting
12:40	1074	0			25	Start INJ TEST
12:50	1094	0		2.5	25	INJ Rate
01:00	1133	0		10	25	INJ Rate
01:00	1143	0		10	5	INCREASE Rate
01:10	1182	0		15	5	INJ Rate
01:20	1230	0		25	5	INJ Rate
01:30	1270	0		30	5	INJ Rate
01:30	1300	0		30	75	INCREASE Rate
01:40	1300	0		37.7	75	INJ Rate
01:50	1310	0		45	75	INJ Rate
02:00	1340	0		52.3	75	INJ Rate
02:00	1377	0		52.5	1	INCREASE Rate
02:10	1415	0		62.8	1	INJ Rate
02:20	1440	0		72.9	1	INJ Rate
02:30	1445	0		82.3	1	INJ Rate
02:30	1475	0		82.8	1.25	INCREASE Rate
02:40	1515	0		95.6	1.25	INJ Rate
02:50	1543	0		108.4	1.25	INJ Rate
03:00	1570	0		121.2	1.25	INJ Rate
03:00	1611	0		121.9	1.5	INCREASE Rate
03:10	1650	0		136.4	1.5	INJ Rate
03:20	1670	0		152.4	1.5	INJ Rate
03:30	1680	0		167.8	1.5	INJ Rate
03:30	1760	0		168	1.75	INCREASE Rate
03:40	1777	0		185.7	1.75	INJ Rate



Treatment Report-Supplement

Field Receipt # 176110297

Page 2 of 2

Date 05-AUG-99 District Hobbs F. Receipt 176110297 Customer Falcon Creek Resources, Inc.
 Lease NMF State # 1 Well Name NMF State # 1 Field Location Hobbs
 County Lea State New Mexico Well API

TIME AM/PM	Treating Pressure-Psi		Surface Slurry BBLS. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
03:50	1805	0		202.5	1.75	INJ Rate
04:00	1826	0		220	1.75	INJ Rate
04:00	2041	0		221	2.5	INCREASE Rate
04:20	2080	0		267	2.5	INJ Rate
04:30	2090	0		293	2.5	INJ Rate
04:30	1631	0		293.7	0	SD Job Complete
04:10	2070	0		246	2.5	INJ Rate

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum		Treating Fluid	25	ISDP	1631	BJ Rep.	Larry Johnson
Maximum	2080	Flush	2.5	5 Min.		Job Number	176110297
Average	1511	Average	1.2	10 Min.		Rec. ID No.	
Operators Max. Pressure 3000				15 Min.		Distribution	
				Final	In Min.		
				Flush Dens. lb./gal.	8.7		



OPERATIONS LOG

COMPANY: FALCON CREEK RESOURCES
 LEASE: NMF STATE # 1 SWD
 FIELD (FORMATION): WARREN (GLORIETA)
 COUNTY: LEA
 STATE: NM

TEST TYPE: STEP-RATE

ENGINEER: OSCAR PETERS
 FIELD REP: DONNY MONEY
 JOB RUN BY: TERRY MARTIN
 DATA PREPARED BY: CHAD MAJOR
 INSTRUMENT: T75

DATE	TIME	DWG	OPERATIONS LOG - JOB NUMBER: 07611
------	------	-----	------------------------------------

8/5/99 11:58:00 AM		ARRIVE ON LOCATION	
8/5/99 12:45:00 PM		START T75 STRAIN GAUGE	
8/5/99 01:00:00 PM	967	PRESSURED UP LUBRICATOR	
8/5/99 01:34:00 PM	975	ON BOTTOM WITH GAUGES @ 5120' GL	
8/5/99 01:40:30 PM	975	BEGIN STEP-RATE - RATE = 0 BBL/DAY	
8/5/99 01:55:00 PM	1103	END OF 1ST RATE @ 360 BBL/DAY	
8/5/99 02:28:00 PM	1235	END OF 2ND RATE @ 720 BBL/DAY	
8/5/99 02:59:00 PM	1310	END OF 3RD RATE @ 1080 BBL/DAY	
8/5/99 03:29:30 PM	1407	END OF 4TH RATE @ 1440 BBL/DAY	
8/5/99 03:58:00 PM	1495	END OF 5TH RATE @ 1800 BBL/DAY	
8/5/99 04:28:30 PM	1605	END OF 6TH RATE @ 2160 BBL/DAY	
8/5/99 04:57:30 PM	1703	END OF 7TH RATE @ 2520 BBL/DAY	
8/5/99 05:18:30 PM	2090	END OF 8TH RATE @ 3240 BBL/DAY	→ 2.5 bbl/m = 3,600 BBL/d
8/5/99 05:22:00 PM		OFF BOTTOM W/GAUGES	<u>NOT</u> 3,240. bbl/d.

O.P. 8/9/99

WELL GRADIENT SHEET

COMPANY FALCON CREEK RESOURCES

LEASE NMF STATE

WELL NO. 1 SWD

FIELD WARREN

COUNTY LEA

STATE NM

FORMATION GLORIETA

SHUT IN DATE & TIME

HOURS SHUT IN

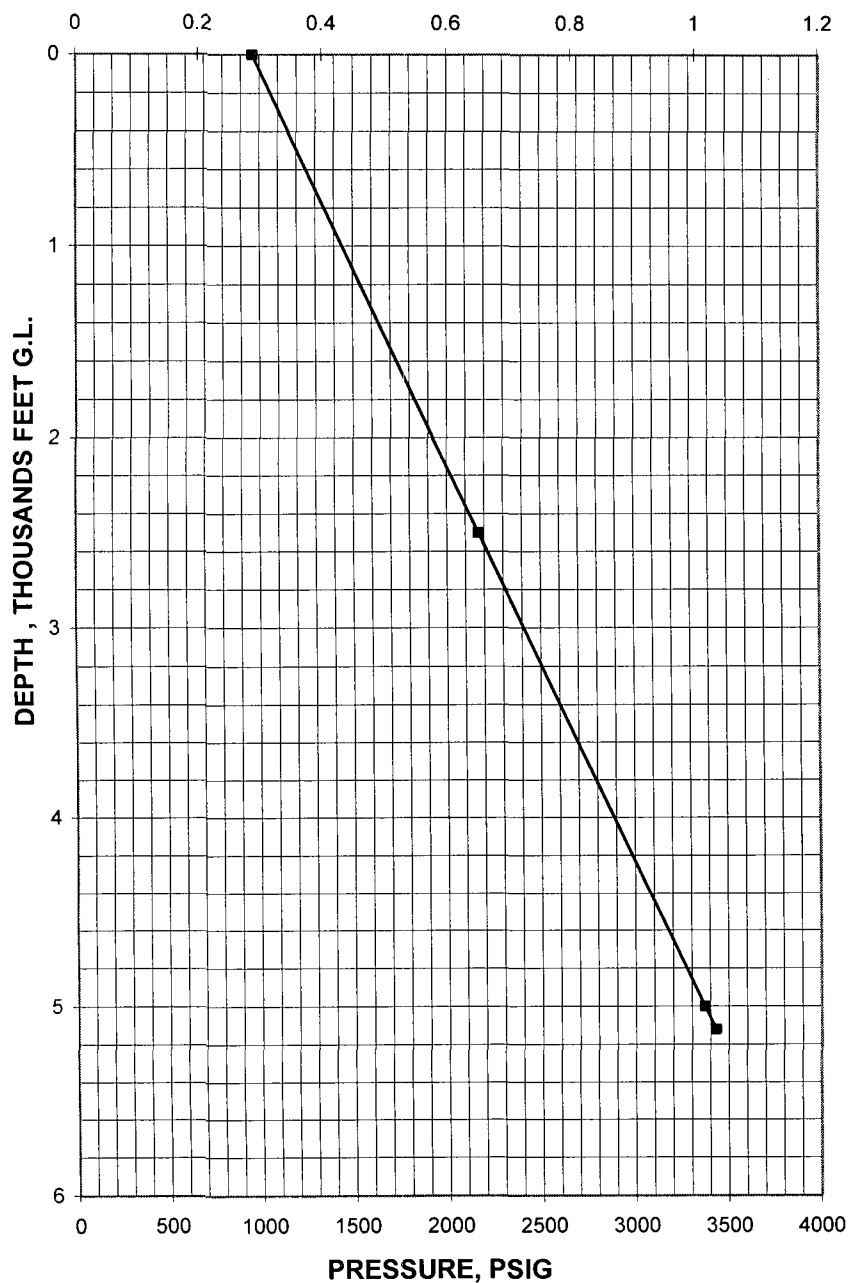
TEST DATE 8/5/99

TIME 13:34

WELL STATUS SHUT IN

JOB NUMBER 07611

TEMPERATURE, °F



MEAS. DEPTH FEET G.L.	TRUE DEPTH FEET G.L.	TEMP. °F	PRESSURE PSIG	GRADIENT PSI/FT
0	0		961.49	
2500	2500		2167.83	0.4825
5000	5000		3369.08	0.4805
5120	5120		3429.05	0.4998

Elev: K.B. -

G.L. -

Pressure Datum

Tubing 2.875 Depth 5150

S.N. Depth

Casing 5.50 Depth 7450

Perforations 5210 - 5850

Total Depth 5850 BP

Casing Pressure

Tubing Pressure 967.00

Temp. @ 5120' GL = 92.6°F

Instrument No. T75

Run By TERRY MARTIN

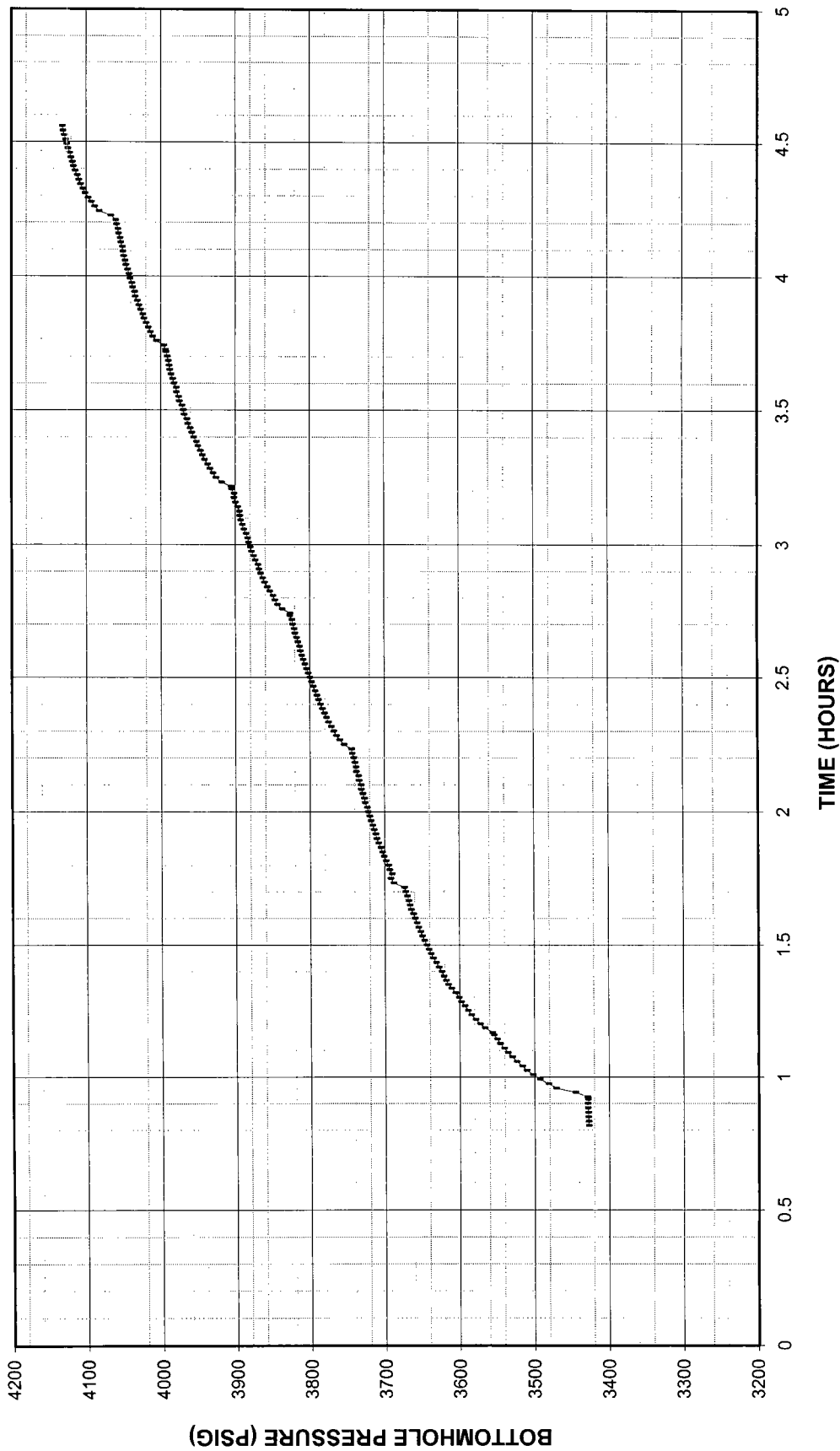
Calculated By CHAD MAJOR

—■— PRESSURE —●— TEMPERATURE



COMPANY:	FALCON CREEK RESOURCES	FIELD:	WARREN	JOB #	07611
LEASE:	NMF STATE	COUNTY:	LEA	TEST DATE:	8/5/99
WELL NUMBER:	1 SWD	STATE:	NM		

BHP VS TIME



ARC

PRESSURE DATA

INCORPORATED

COMPANY: FALCON CREEK RESOURCES
 LEASE: NMF STATE # 1 SWD
 FIELD (FORMATION): WARREN (GLORIETA)
 COUNTY: LEA
 STATE: NM

TEST DATES: 8/5/99 - 8/5/99
 RUN DEPTH: 5120
 INSTRUMENT: T75

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	REMARKS - JOB NUMBER: 07611
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8/5/99 11:58:00 AM			ARRIVE ON LOCATION
8/5/99 12:45:00 PM			START T75 STRAIN GAUGE
8/5/99 01:00:00 PM			PRESSURED UP LUBRICATOR
8/5/99 01:34:00 PM			ON BOTTOM WITH GAUGES @ 5120' GL
8/5/99 1:34:00 PM	0.8167	3427.59	
8/5/99 1:35:00 PM	0.8333	3427.78	
8/5/99 1:36:00 PM	0.8500	3428.01	
8/5/99 1:37:00 PM	0.8667	3428.34	
8/5/99 1:38:00 PM	0.8833	3428.71	
8/5/99 1:39:00 PM	0.9000	3429.05	
8/5/99 1:40:00 PM	0.9167	3428.61	
8/5/99 01:40:30 PM			BEGIN STEP-RATE - RATE = 0 BBL/DAY
8/5/99 1:40:30 PM	0.9250	3428.94	
8/5/99 1:41:30 PM	0.9417	3445.79	
8/5/99 1:42:30 PM	0.9583	3471.07	
8/5/99 1:43:30 PM	0.9750	3481.19	
8/5/99 1:44:30 PM	0.9917	3492.91	
8/5/99 1:45:30 PM	1.0083	3502.10	
8/5/99 1:46:30 PM	1.0250	3510.34	
8/5/99 1:47:30 PM	1.0417	3516.18	
8/5/99 1:48:30 PM	1.0583	3523.65	
8/5/99 1:49:30 PM	1.0750	3529.59	
8/5/99 1:50:30 PM	1.0917	3535.38	
8/5/99 1:51:30 PM	1.1083	3540.38	
8/5/99 1:52:30 PM	1.1250	3545.70	
8/5/99 1:53:30 PM	1.1417	3549.82	
8/5/99 1:54:30 PM	1.1583	3554.03	
8/5/99 01:55:00 PM			END OF 1ST RATE @ 360 BBL/DAY
8/5/99 1:55:00 PM	1.1667	3555.84	
8/5/99 1:56:00 PM	1.1833	3565.99	
8/5/99 1:57:00 PM	1.2000	3572.21	
8/5/99 1:58:00 PM	1.2167	3578.46	
8/5/99 1:59:00 PM	1.2333	3584.19	
8/5/99 2:00:00 PM	1.2500	3588.80	
8/5/99 2:01:00 PM	1.2667	3593.01	
8/5/99 2:02:00 PM	1.2833	3597.68	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	REMARKS - JOB NUMBER: 07611
8/5/99 2:03:00 PM	1.3000	3600.81	
8/5/99 2:04:00 PM	1.3167	3605.38	
8/5/99 2:05:00 PM	1.3333	3610.40	
8/5/99 2:06:00 PM	1.3500	3614.73	
8/5/99 2:07:00 PM	1.3667	3617.60	
8/5/99 2:08:00 PM	1.3833	3620.94	
8/5/99 2:09:00 PM	1.4000	3623.64	
8/5/99 2:10:00 PM	1.4167	3627.44	
8/5/99 2:11:00 PM	1.4333	3631.09	
8/5/99 2:12:00 PM	1.4500	3635.15	
8/5/99 2:13:00 PM	1.4667	3637.97	
8/5/99 2:14:00 PM	1.4833	3641.05	
8/5/99 2:15:00 PM	1.5000	3644.02	
8/5/99 2:16:00 PM	1.5167	3646.76	
8/5/99 2:17:00 PM	1.5333	3649.74	
8/5/99 2:18:00 PM	1.5500	3652.11	
8/5/99 2:19:00 PM	1.5667	3654.92	
8/5/99 2:20:00 PM	1.5833	3657.14	
8/5/99 2:21:00 PM	1.6000	3659.47	
8/5/99 2:22:00 PM	1.6167	3661.76	
8/5/99 2:23:00 PM	1.6333	3665.06	
8/5/99 2:24:00 PM	1.6500	3666.47	
8/5/99 2:25:00 PM	1.6667	3668.12	
8/5/99 2:26:00 PM	1.6833	3669.83	
8/5/99 2:27:00 PM	1.7000	3672.22	
8/5/99 02:28:00 PM			END OF 2ND RATE @ 720 BBL/DAY
8/5/99 2:28:00 PM	1.7167	3673.75	
8/5/99 2:29:00 PM	1.7333	3688.04	
8/5/99 2:30:00 PM	1.7500	3691.82	
8/5/99 2:31:00 PM	1.7667	3690.17	
8/5/99 2:32:00 PM	1.7833	3693.35	
8/5/99 2:33:00 PM	1.8000	3694.91	
8/5/99 2:34:00 PM	1.8167	3698.34	
8/5/99 2:35:00 PM	1.8333	3700.55	
8/5/99 2:36:00 PM	1.8500	3703.02	
8/5/99 2:37:00 PM	1.8667	3705.19	
8/5/99 2:38:00 PM	1.8833	3707.95	
8/5/99 2:39:00 PM	1.9000	3710.49	
8/5/99 2:40:00 PM	1.9167	3712.00	
8/5/99 2:41:00 PM	1.9333	3714.37	
8/5/99 2:42:00 PM	1.9500	3715.90	
8/5/99 2:43:00 PM	1.9667	3718.15	
8/5/99 2:44:00 PM	1.9833	3719.88	
8/5/99 2:45:00 PM	2.0000	3722.36	
8/5/99 2:46:00 PM	2.0167	3723.32	
8/5/99 2:47:00 PM	2.0333	3726.07	
8/5/99 2:48:00 PM	2.0500	3726.78	
8/5/99 2:49:00 PM	2.0667	3729.21	
8/5/99 2:50:00 PM	2.0833	3731.39	
8/5/99 2:51:00 PM	2.1000	3731.47	
8/5/99 2:52:00 PM	2.1167	3734.12	
8/5/99 2:53:00 PM	2.1333	3734.89	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	REMARKS - JOB NUMBER: 07611
8/5/99 2:54:00 PM	2.1500	3737.68	
8/5/99 2:55:00 PM	2.1667	3738.23	
8/5/99 2:56:00 PM	2.1833	3739.54	
8/5/99 2:57:00 PM	2.2000	3741.23	
8/5/99 2:58:00 PM	2.2167	3743.42	
8/5/99 2:59:00 PM	2.2333	3744.16	
8/5/99 02:59:00 PM			END OF 3RD RATE @ 1080 BBL/DAY
8/5/99 3:00:00 PM	2.2500	3754.36	
8/5/99 3:01:00 PM	2.2667	3760.05	
8/5/99 3:02:00 PM	2.2833	3764.25	
8/5/99 3:03:00 PM	2.3000	3767.95	
8/5/99 3:04:00 PM	2.3167	3771.48	
8/5/99 3:05:00 PM	2.3333	3774.88	
8/5/99 3:06:00 PM	2.3500	3777.83	
8/5/99 3:07:00 PM	2.3667	3780.43	
8/5/99 3:08:00 PM	2.3833	3783.31	
8/5/99 3:09:00 PM	2.4000	3786.05	
8/5/99 3:10:00 PM	2.4167	3788.41	
8/5/99 3:11:00 PM	2.4333	3790.79	
8/5/99 3:12:00 PM	2.4500	3793.23	
8/5/99 3:13:00 PM	2.4667	3795.64	
8/5/99 3:14:00 PM	2.4833	3798.04	
8/5/99 3:15:00 PM	2.5000	3799.96	
8/5/99 3:16:00 PM	2.5167	3802.43	
8/5/99 3:17:00 PM	2.5333	3804.28	
8/5/99 3:18:00 PM	2.5500	3806.81	
8/5/99 3:19:00 PM	2.5667	3809.23	
8/5/99 3:20:00 PM	2.5833	3810.92	
8/5/99 3:21:00 PM	2.6000	3812.86	
8/5/99 3:22:00 PM	2.6167	3813.85	
8/5/99 3:23:00 PM	2.6333	3815.95	
8/5/99 3:24:00 PM	2.6500	3817.84	
8/5/99 3:25:00 PM	2.6667	3820.23	
8/5/99 3:26:00 PM	2.6833	3821.02	
8/5/99 3:27:00 PM	2.7000	3823.00	
8/5/99 3:28:00 PM	2.7167	3824.06	
8/5/99 3:29:00 PM	2.7333	3826.87	
8/5/99 03:29:30 PM			END OF 4TH RATE @ 1440 BBL/DAY
8/5/99 3:29:30 PM	2.7417	3826.47	
8/5/99 3:30:30 PM	2.7583	3837.35	
8/5/99 3:31:30 PM	2.7750	3843.21	
8/5/99 3:32:30 PM	2.7917	3847.12	
8/5/99 3:33:30 PM	2.8083	3849.52	
8/5/99 3:34:30 PM	2.8250	3853.98	
8/5/99 3:35:30 PM	2.8417	3857.19	
8/5/99 3:36:30 PM	2.8583	3860.76	
8/5/99 3:37:30 PM	2.8750	3863.37	
8/5/99 3:38:30 PM	2.8917	3866.15	
8/5/99 3:39:30 PM	2.9083	3868.40	
8/5/99 3:40:30 PM	2.9250	3869.40	
8/5/99 3:41:30 PM	2.9417	3873.51	
8/5/99 3:42:30 PM	2.9583	3875.79	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	REMARKS - JOB NUMBER: 07611
8/5/99 3:43:30 PM	2.9750	3878.29	
8/5/99 3:44:30 PM	2.9917	3880.13	
8/5/99 3:45:30 PM	3.0083	3882.44	
8/5/99 3:46:30 PM	3.0250	3883.56	
8/5/99 3:47:30 PM	3.0417	3885.72	
8/5/99 3:48:30 PM	3.0583	3888.72	
8/5/99 3:49:30 PM	3.0750	3890.81	
8/5/99 3:50:30 PM	3.0917	3892.81	
8/5/99 3:51:30 PM	3.1083	3893.96	
8/5/99 3:52:30 PM	3.1250	3894.50	
8/5/99 3:53:30 PM	3.1417	3896.99	
8/5/99 3:54:30 PM	3.1583	3899.86	
8/5/99 3:55:30 PM	3.1750	3901.98	
8/5/99 3:56:30 PM	3.1917	3901.66	
8/5/99 3:57:30 PM	3.2083	3904.95	
8/5/99 03:58:00 PM			END OF 5TH RATE @ 1800 BBL/DAY
8/5/99 3:58:00 PM	3.2167	3905.63	
8/5/99 3:59:00 PM	3.2333	3918.45	
8/5/99 4:00:00 PM	3.2500	3925.86	
8/5/99 4:01:00 PM	3.2667	3930.12	
8/5/99 4:02:00 PM	3.2833	3934.04	
8/5/99 4:03:00 PM	3.3000	3937.23	
8/5/99 4:04:00 PM	3.3167	3941.35	
8/5/99 4:05:00 PM	3.3333	3944.17	
8/5/99 4:06:00 PM	3.3500	3946.86	
8/5/99 4:07:00 PM	3.3667	3950.33	
8/5/99 4:08:00 PM	3.3833	3952.21	
8/5/99 4:09:00 PM	3.4000	3955.92	
8/5/99 4:10:00 PM	3.4167	3958.20	
8/5/99 4:11:00 PM	3.4333	3960.52	
8/5/99 4:12:00 PM	3.4500	3963.65	
8/5/99 4:13:00 PM	3.4667	3964.82	
8/5/99 4:14:00 PM	3.4833	3968.53	
8/5/99 4:15:00 PM	3.5000	3969.82	
8/5/99 4:16:00 PM	3.5167	3971.34	
8/5/99 4:17:00 PM	3.5333	3975.12	
8/5/99 4:18:00 PM	3.5500	3975.77	
8/5/99 4:19:00 PM	3.5667	3979.07	
8/5/99 4:20:00 PM	3.5833	3979.28	
8/5/99 4:21:00 PM	3.6000	3982.12	
8/5/99 4:22:00 PM	3.6167	3983.79	
8/5/99 4:23:00 PM	3.6333	3985.94	
8/5/99 4:24:00 PM	3.6500	3987.85	
8/5/99 4:25:00 PM	3.6667	3988.71	
8/5/99 4:26:00 PM	3.6833	3989.70	
8/5/99 4:27:00 PM	3.7000	3990.99	
8/5/99 4:28:00 PM	3.7167	3992.96	
8/5/99 04:28:30 PM			END OF 6TH RATE @ 2160 BBL/DAY
8/5/99 4:28:30 PM	3.7250	3993.58	
8/5/99 4:29:30 PM	3.7417	3995.89	
8/5/99 4:30:30 PM	3.7583	4005.78	
8/5/99 4:31:30 PM	3.7750	4010.95	

REAL TIME	DELTA TIME, HOURS	BOTTOMHOLE PRESSURE, PSIG	REMARKS - JOB NUMBER: 07611
8/5/99 4:32:30 PM	3.7917	4013.52	
8/5/99 4:33:30 PM	3.8083	4016.46	
8/5/99 4:34:30 PM	3.8250	4019.69	
8/5/99 4:35:30 PM	3.8417	4022.94	
8/5/99 4:36:30 PM	3.8583	4024.16	
8/5/99 4:37:30 PM	3.8750	4027.11	
8/5/99 4:38:30 PM	3.8917	4029.45	
8/5/99 4:39:30 PM	3.9083	4031.35	
8/5/99 4:40:30 PM	3.9250	4034.31	
8/5/99 4:41:30 PM	3.9417	4034.98	
8/5/99 4:42:30 PM	3.9583	4037.59	
8/5/99 4:43:30 PM	3.9750	4038.66	
8/5/99 4:44:30 PM	3.9917	4041.20	
8/5/99 4:45:30 PM	4.0083	4042.32	
8/5/99 4:46:30 PM	4.0250	4044.56	
8/5/99 4:47:30 PM	4.0417	4046.78	
8/5/99 4:48:30 PM	4.0583	4047.83	
8/5/99 4:49:30 PM	4.0750	4049.56	
8/5/99 4:50:30 PM	4.0917	4050.78	
8/5/99 4:51:30 PM	4.1083	4051.67	
8/5/99 4:52:30 PM	4.1250	4053.70	
8/5/99 4:53:30 PM	4.1417	4054.51	
8/5/99 4:54:30 PM	4.1583	4056.79	
8/5/99 4:55:30 PM	4.1750	4057.35	
8/5/99 4:56:30 PM	4.1917	4059.32	
8/5/99 4:57:30 PM	4.2083	4060.13	
8/5/99 04:57:30 PM			END OF 7TH RATE @ 2520 BBL/DAY
8/5/99 4:58:30 PM	4.2250	4066.92	
8/5/99 4:59:30 PM	4.2417	4082.46	
8/5/99 5:00:30 PM	4.2583	4088.76	
8/5/99 5:01:30 PM	4.2750	4092.99	
8/5/99 5:02:30 PM	4.2917	4097.45	
8/5/99 5:03:30 PM	4.3083	4101.23	
8/5/99 5:04:30 PM	4.3250	4104.40	
8/5/99 5:05:30 PM	4.3417	4107.39	
8/5/99 5:06:30 PM	4.3583	4109.91	
8/5/99 5:07:30 PM	4.3750	4112.06	
8/5/99 5:08:30 PM	4.3917	4114.91	
8/5/99 5:09:30 PM	4.4083	4116.86	
8/5/99 5:10:30 PM	4.4250	4118.37	
8/5/99 5:11:30 PM	4.4417	4120.20	
8/5/99 5:12:30 PM	4.4583	4121.95	
8/5/99 5:13:30 PM	4.4750	4124.25	
8/5/99 5:14:30 PM	4.4917	4126.23	
8/5/99 5:15:30 PM	4.5083	4127.63	
8/5/99 5:16:30 PM	4.5250	4128.92	
8/5/99 5:17:30 PM	4.5417	4130.83	
8/5/99 5:18:30 PM	4.5583	4131.68	
8/5/99 05:18:30 PM			END OF 8TH RATE @ 3240 BBL/DAY
8/5/99 05:22:00 PM			OFF BOTTOM W/GAUGES

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	12:45:59	0.0000	0.0	88.4
8/5/99	12:46:29	0.0083	0.0	88.3
8/5/99	12:46:59	0.0167	0.0	88.3
8/5/99	12:47:29	0.0250	0.0	88.3
8/5/99	12:47:59	0.0333	0.0	88.3
8/5/99	12:48:29	0.0417	0.0	88.4
8/5/99	12:48:59	0.0500	0.0	88.5
8/5/99	12:49:29	0.0583	0.0	88.6
8/5/99	12:49:59	0.0667	0.0	88.7
8/5/99	12:50:29	0.0750	0.0	88.9
8/5/99	12:50:59	0.0833	0.0	89.0
8/5/99	12:51:29	0.0917	0.0	89.2
8/5/99	12:51:59	0.1000	0.0	89.4
8/5/99	12:52:29	0.1083	0.0	89.5
8/5/99	12:52:59	0.1167	0.0	89.7
8/5/99	12:53:29	0.1250	0.0	89.9
8/5/99	12:53:59	0.1333	0.0	90.1
8/5/99	12:54:29	0.1417	0.0	90.3
8/5/99	12:54:59	0.1500	0.0	90.6
8/5/99	12:55:29	0.1583	0.0	90.8
8/5/99	12:55:59	0.1667	0.0	91.1
8/5/99	12:56:29	0.1750	0.0	91.3
8/5/99	12:56:59	0.1833	0.0	91.6
8/5/99	12:57:29	0.1917	0.0	91.8
8/5/99	12:57:59	0.2000	0.0	92.0
8/5/99	12:58:29	0.2083	0.0	92.3
8/5/99	12:58:59	0.2167	0.0	92.5
8/5/99	12:59:29	0.2250	4.7	92.7
8/5/99	12:59:59	0.2333	152.6	92.9
8/5/99	13:00:29	0.2417	958.6	93.0
8/5/99	13:00:59	0.2500	958.0	93.0
8/5/99	13:01:29	0.2583	958.6	93.0
8/5/99	13:01:59	0.2667	959.2	92.9
8/5/99	13:02:29	0.2750	959.8	92.8
8/5/99	13:02:59	0.2833	960.4	92.6
8/5/99	13:03:29	0.2917	961.0	92.5
8/5/99	13:03:59	0.3000	961.5	92.4
8/5/99	13:04:29	0.3083	962.0	92.3
8/5/99	13:04:59	0.3167	962.5	92.2
8/5/99	13:05:29	0.3250	962.9	92.1
8/5/99	13:05:59	0.3333	990.7	92.0
8/5/99	13:06:29	0.3417	1,044.9	91.4
8/5/99	13:06:59	0.3500	1,109.0	90.5
8/5/99	13:07:29	0.3583	1,172.5	89.5
8/5/99	13:07:59	0.3667	1,243.7	88.4
8/5/99	13:08:29	0.3750	1,319.2	87.5
8/5/99	13:08:59	0.3833	1,391.5	86.6
8/5/99	13:09:29	0.3917	1,468.1	85.9

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	13:09:59	0.4000	1,549.4	85.3
8/5/99	13:10:29	0.4083	1,635.4	84.8
8/5/99	13:10:59	0.4167	1,726.1	84.4
8/5/99	13:11:29	0.4250	1,817.0	84.1
8/5/99	13:11:59	0.4333	1,909.5	84.0
8/5/99	13:12:29	0.4417	2,000.6	83.9
8/5/99	13:12:59	0.4500	2,089.1	83.8
8/5/99	13:13:29	0.4583	2,164.3	83.9
8/5/99	13:13:59	0.4667	2,166.4	84.0
8/5/99	13:14:29	0.4750	2,166.5	84.1
8/5/99	13:14:59	0.4833	2,166.7	84.2
8/5/99	13:15:29	0.4917	2,166.9	84.3
8/5/99	13:15:59	0.5000	2,167.2	84.4
8/5/99	13:16:29	0.5083	2,167.4	84.5
8/5/99	13:16:59	0.5167	2,167.6	84.6
8/5/99	13:17:29	0.5250	2,167.8	84.6
8/5/99	13:17:59	0.5333	2,168.0	84.7
8/5/99	13:18:29	0.5417	2,168.2	84.8
8/5/99	13:18:59	0.5500	2,168.4	84.8
8/5/99	13:19:29	0.5583	2,183.5	84.9
8/5/99	13:19:59	0.5667	2,237.9	84.9
8/5/99	13:20:29	0.5750	2,276.3	85.0
8/5/99	13:20:59	0.5833	2,317.4	85.0
8/5/99	13:21:29	0.5917	2,365.2	85.1
8/5/99	13:21:59	0.6000	2,420.9	85.2
8/5/99	13:22:29	0.6083	2,482.0	85.3
8/5/99	13:22:59	0.6167	2,542.6	85.4
8/5/99	13:23:29	0.6250	2,597.9	85.5
8/5/99	13:23:59	0.6333	2,662.5	85.7
8/5/99	13:24:29	0.6417	2,734.2	85.9
8/5/99	13:24:59	0.6500	2,807.2	86.1
8/5/99	13:25:29	0.6583	2,880.9	86.3
8/5/99	13:25:59	0.6667	2,957.4	86.6
8/5/99	13:26:29	0.6750	3,036.6	86.9
8/5/99	13:26:59	0.6833	3,118.5	87.1
8/5/99	13:27:29	0.6917	3,203.2	87.5
8/5/99	13:27:59	0.7000	3,288.4	87.8
8/5/99	13:28:29	0.7083	3,367.0	88.2
8/5/99	13:28:59	0.7167	3,368.3	88.6
8/5/99	13:29:29	0.7250	3,368.4	88.9
8/5/99	13:29:59	0.7333	3,368.5	89.3
8/5/99	13:30:29	0.7417	3,368.6	89.7
8/5/99	13:30:59	0.7500	3,368.7	90.0
8/5/99	13:31:29	0.7583	3,368.9	90.3
8/5/99	13:31:59	0.7667	3,369.0	90.5
8/5/99	13:32:29	0.7750	3,369.1	90.8
8/5/99	13:32:59	0.7833	3,369.2	91.0
8/5/99	13:33:29	0.7917	3,369.3	91.2

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	<u>Cumulative Time hr</u>	<u>Pressure psig</u>	<u>Temp deg F</u>
8/5/99	13:33:59	0.8000	3,369.5	91.4
8/5/99	13:34:29	0.8083	3,402.8	91.5
8/5/99	13:34:59	0.8167	3,427.6	91.7
8/5/99	13:35:29	0.8250	3,427.7	91.8
8/5/99	13:35:59	0.8333	3,427.8	91.9
8/5/99	13:36:29	0.8417	3,427.9	91.9
8/5/99	13:36:59	0.8500	3,428.0	92.0
8/5/99	13:37:29	0.8583	3,428.2	92.0
8/5/99	13:37:59	0.8667	3,428.3	92.1
8/5/99	13:38:29	0.8750	3,428.5	92.1
8/5/99	13:38:59	0.8833	3,428.7	92.2
8/5/99	13:39:29	0.8917	3,428.9	92.2
8/5/99	13:39:59	0.9000	3,429.0	92.2
8/5/99	13:40:29	0.9083	3,427.2	92.2
8/5/99	13:40:59	0.9167	3,428.6	92.3
8/5/99	13:41:29	0.9250	3,428.9	92.3
8/5/99	13:41:59	0.9333	3,435.9	92.3
8/5/99	13:42:29	0.9417	3,445.8	92.3
8/5/99	13:42:59	0.9500	3,460.8	92.3
8/5/99	13:43:29	0.9583	3,471.1	92.4
8/5/99	13:43:59	0.9667	3,475.7	92.4
8/5/99	13:44:29	0.9750	3,481.2	92.5
8/5/99	13:44:59	0.9833	3,487.2	92.5
8/5/99	13:45:29	0.9917	3,492.9	92.5
8/5/99	13:45:59	1.0000	3,497.7	92.6
8/5/99	13:46:29	1.0083	3,502.1	92.6
8/5/99	13:46:59	1.0167	3,506.3	92.5
8/5/99	13:47:29	1.0250	3,510.3	92.5
8/5/99	13:47:59	1.0333	3,513.9	92.5
8/5/99	13:48:29	1.0417	3,516.2	92.4
8/5/99	13:48:59	1.0500	3,520.3	92.4
8/5/99	13:49:29	1.0583	3,523.7	92.4
8/5/99	13:49:59	1.0667	3,526.8	92.3
8/5/99	13:50:29	1.0750	3,529.6	92.2
8/5/99	13:50:59	1.0833	3,532.5	92.2
8/5/99	13:51:29	1.0917	3,535.4	92.1
8/5/99	13:51:59	1.1000	3,538.2	92.1
8/5/99	13:52:29	1.1083	3,540.4	92.0
8/5/99	13:52:59	1.1167	3,543.0	92.0
8/5/99	13:53:29	1.1250	3,545.7	91.9
8/5/99	13:53:59	1.1333	3,547.8	91.9
8/5/99	13:54:29	1.1417	3,549.8	91.8
8/5/99	13:54:59	1.1500	3,552.2	91.8
8/5/99	13:55:29	1.1583	3,554.0	91.7
8/5/99	13:55:59	1.1667	3,555.8	91.7
8/5/99	13:56:29	1.1750	3,561.4	91.6
8/5/99	13:56:59	1.1833	3,566.0	91.6
8/5/99	13:57:29	1.1917	3,570.2	91.5

End of Rate # 1

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	13:57:59	1.2000	3,572.2	91.5
8/5/99	13:58:29	1.2083	3,575.6	91.4
8/5/99	13:58:59	1.2167	3,578.5	91.4
8/5/99	13:59:29	1.2250	3,581.4	91.3
8/5/99	13:59:59	1.2333	3,584.2	91.3
8/5/99	14:00:29	1.2417	3,585.7	91.2
8/5/99	14:00:59	1.2500	3,588.8	91.2
8/5/99	14:01:29	1.2583	3,591.2	91.1
8/5/99	14:01:59	1.2667	3,593.0	91.1
8/5/99	14:02:29	1.2750	3,595.1	91.0
8/5/99	14:02:59	1.2833	3,597.7	91.0
8/5/99	14:03:29	1.2917	3,600.0	90.9
8/5/99	14:03:59	1.3000	3,600.8	90.9
8/5/99	14:04:29	1.3083	3,604.5	90.8
8/5/99	14:04:59	1.3167	3,605.4	90.8
8/5/99	14:05:29	1.3250	3,607.4	90.7
8/5/99	14:05:59	1.3333	3,610.4	90.7
8/5/99	14:06:29	1.3417	3,612.6	90.7
8/5/99	14:06:59	1.3500	3,614.7	90.6
8/5/99	14:07:29	1.3583	3,616.0	90.6
8/5/99	14:07:59	1.3667	3,617.6	90.5
8/5/99	14:08:29	1.3750	3,619.2	90.5
8/5/99	14:08:59	1.3833	3,620.9	90.5
8/5/99	14:09:29	1.3917	3,623.6	90.4
8/5/99	14:09:59	1.4000	3,623.6	90.4
8/5/99	14:10:29	1.4083	3,626.0	90.3
8/5/99	14:10:59	1.4167	3,627.4	90.3
8/5/99	14:11:29	1.4250	3,630.1	90.3
8/5/99	14:11:59	1.4333	3,631.1	90.2
8/5/99	14:12:29	1.4417	3,633.1	90.2
8/5/99	14:12:59	1.4500	3,635.2	90.2
8/5/99	14:13:29	1.4583	3,636.7	90.1
8/5/99	14:13:59	1.4667	3,638.0	90.1
8/5/99	14:14:29	1.4750	3,639.5	90.1
8/5/99	14:14:59	1.4833	3,641.0	90.0
8/5/99	14:15:29	1.4917	3,642.5	90.0
8/5/99	14:15:59	1.5000	3,644.0	90.0
8/5/99	14:16:29	1.5083	3,645.8	89.9
8/5/99	14:16:59	1.5167	3,646.8	89.9
8/5/99	14:17:29	1.5250	3,647.9	89.9
8/5/99	14:17:59	1.5333	3,649.7	89.8
8/5/99	14:18:29	1.5417	3,650.9	89.8
8/5/99	14:18:59	1.5500	3,652.1	89.8
8/5/99	14:19:29	1.5583	3,653.3	89.8
8/5/99	14:19:59	1.5667	3,654.9	89.7
8/5/99	14:20:29	1.5750	3,656.1	89.7
8/5/99	14:20:59	1.5833	3,657.1	89.7
8/5/99	14:21:29	1.5917	3,658.3	89.6

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr.</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>	
8/5/99	14:21:59	1.6000	3,659.5	89.6	
8/5/99	14:22:29	1.6083	3,660.5	89.6	
8/5/99	14:22:59	1.6167	3,661.8	89.6	
8/5/99	14:23:29	1.6250	3,663.2	89.5	
8/5/99	14:23:59	1.6333	3,665.1	89.5	
8/5/99	14:24:29	1.6417	3,665.5	89.5	
8/5/99	14:24:59	1.6500	3,666.5	89.5	
8/5/99	14:25:29	1.6583	3,667.3	89.4	
8/5/99	14:25:59	1.6667	3,668.1	89.4	
8/5/99	14:26:29	1.6750	3,668.9	89.4	
8/5/99	14:26:59	1.6833	3,669.8	89.4	
8/5/99	14:27:29	1.6917	3,670.9	89.3	
8/5/99	14:27:59	1.7000	3,672.2	89.3	End of Rate #2
8/5/99	14:28:29	1.7083	3,672.8	89.3	
8/5/99	14:28:59	1.7167	3,673.8	89.3	
8/5/99	14:29:29	1.7250	3,680.8	89.2	
8/5/99	14:29:59	1.7333	3,688.0	89.2	
8/5/99	14:30:29	1.7417	3,691.5	89.2	
8/5/99	14:30:59	1.7500	3,691.8	89.1	
8/5/99	14:31:29	1.7583	3,690.7	89.1	
8/5/99	14:31:59	1.7667	3,690.2	89.1	
8/5/99	14:32:29	1.7750	3,691.2	89.1	
8/5/99	14:32:59	1.7833	3,693.3	89.0	
8/5/99	14:33:29	1.7917	3,693.6	89.0	
8/5/99	14:33:59	1.8000	3,694.9	89.0	
8/5/99	14:34:29	1.8083	3,696.9	88.9	
8/5/99	14:34:59	1.8167	3,698.3	88.9	
8/5/99	14:35:29	1.8250	3,700.2	88.9	
8/5/99	14:35:59	1.8333	3,700.5	88.8	
8/5/99	14:36:29	1.8417	3,701.7	88.8	
8/5/99	14:36:59	1.8500	3,703.0	88.8	
8/5/99	14:37:29	1.8583	3,705.0	88.8	
8/5/99	14:37:59	1.8667	3,705.2	88.7	
8/5/99	14:38:29	1.8750	3,705.5	88.7	
8/5/99	14:38:59	1.8833	3,708.0	88.7	
8/5/99	14:39:29	1.8917	3,708.7	88.7	
8/5/99	14:39:59	1.9000	3,710.5	88.6	
8/5/99	14:40:29	1.9083	3,710.8	88.6	
8/5/99	14:40:59	1.9167	3,712.0	88.6	
8/5/99	14:41:29	1.9250	3,713.0	88.6	
8/5/99	14:41:59	1.9333	3,714.4	88.5	
8/5/99	14:42:29	1.9417	3,715.1	88.5	
8/5/99	14:42:59	1.9500	3,715.9	88.5	
8/5/99	14:43:29	1.9583	3,717.3	88.5	
8/5/99	14:43:59	1.9667	3,718.2	88.4	
8/5/99	14:44:29	1.9750	3,719.2	88.4	
8/5/99	14:44:59	1.9833	3,719.9	88.4	
8/5/99	14:45:29	1.9917	3,720.0	88.4	

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	<u>Cumulative Time hr</u>	<u>Pressure psig</u>	<u>Temp deg F</u>	
8/5/99	14:45:59	2.0000	3,722.4	88.4	
8/5/99	14:46:29	2.0083	3,722.1	88.3	
8/5/99	14:46:59	2.0167	3,723.3	88.3	
8/5/99	14:47:29	2.0250	3,724.4	88.3	
8/5/99	14:47:59	2.0333	3,726.1	88.3	
8/5/99	14:48:29	2.0417	3,726.0	88.3	
8/5/99	14:48:59	2.0500	3,726.8	88.2	
8/5/99	14:49:29	2.0583	3,726.9	88.2	
8/5/99	14:49:59	2.0667	3,729.2	88.2	
8/5/99	14:50:29	2.0750	3,729.2	88.2	
8/5/99	14:50:59	2.0833	3,731.4	88.2	
8/5/99	14:51:29	2.0917	3,730.9	88.1	
8/5/99	14:51:59	2.1000	3,731.5	88.1	
8/5/99	14:52:29	2.1083	3,732.6	88.1	
8/5/99	14:52:59	2.1167	3,734.1	88.1	
8/5/99	14:53:29	2.1250	3,734.5	88.1	
8/5/99	14:53:59	2.1333	3,734.9	88.1	
8/5/99	14:54:29	2.1417	3,735.9	88.0	
8/5/99	14:54:59	2.1500	3,737.7	88.0	
8/5/99	14:55:29	2.1583	3,737.9	88.0	
8/5/99	14:55:59	2.1667	3,738.2	88.0	
8/5/99	14:56:29	2.1750	3,739.3	88.0	
8/5/99	14:56:59	2.1833	3,739.5	88.0	
8/5/99	14:57:29	2.1917	3,740.2	87.9	
8/5/99	14:57:59	2.2000	3,741.2	87.9	
8/5/99	14:58:29	2.2083	3,742.2	87.9	
8/5/99	14:58:59	2.2167	3,743.4	87.9	End of Rate #3
8/5/99	14:59:29	2.2250	3,743.7	87.9	
8/5/99	14:59:59	2.2333	3,744.2	87.9	
8/5/99	15:00:29	2.2417	3,751.9	87.9	
8/5/99	15:00:59	2.2500	3,754.4	87.8	
8/5/99	15:01:29	2.2583	3,757.5	87.8	
8/5/99	15:01:59	2.2667	3,760.1	87.8	
8/5/99	15:02:29	2.2750	3,762.5	87.8	
8/5/99	15:02:59	2.2833	3,764.2	87.8	
8/5/99	15:03:29	2.2917	3,765.8	87.7	
8/5/99	15:03:59	2.3000	3,768.0	87.7	
8/5/99	15:04:29	2.3083	3,769.5	87.7	
8/5/99	15:04:59	2.3167	3,771.5	87.6	
8/5/99	15:05:29	2.3250	3,773.0	87.6	
8/5/99	15:05:59	2.3333	3,774.9	87.6	
8/5/99	15:06:29	2.3417	3,776.2	87.6	
8/5/99	15:06:59	2.3500	3,777.8	87.5	
8/5/99	15:07:29	2.3583	3,778.8	87.5	
8/5/99	15:07:59	2.3667	3,780.4	87.5	
8/5/99	15:08:29	2.3750	3,781.5	87.5	
8/5/99	15:08:59	2.3833	3,783.3	87.4	
8/5/99	15:09:29	2.3917	3,785.3	87.4	

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	<u>Cumulative Time hr</u>	<u>Pressure psig</u>	<u>Temp deg F</u>	
8/5/99	15:09:59	2.4000	3,786.1	87.4	
8/5/99	15:10:29	2.4083	3,787.6	87.4	
8/5/99	15:10:59	2.4167	3,788.4	87.3	
8/5/99	15:11:29	2.4250	3,789.8	87.3	
8/5/99	15:11:59	2.4333	3,790.8	87.3	
8/5/99	15:12:29	2.4417	3,792.7	87.3	
8/5/99	15:12:59	2.4500	3,793.2	87.2	
8/5/99	15:13:29	2.4583	3,794.4	87.2	
8/5/99	15:13:59	2.4667	3,795.6	87.2	
8/5/99	15:14:29	2.4750	3,796.8	87.2	
8/5/99	15:14:59	2.4833	3,798.0	87.2	
8/5/99	15:15:29	2.4917	3,799.7	87.1	
8/5/99	15:15:59	2.5000	3,800.0	87.1	
8/5/99	15:16:29	2.5083	3,801.0	87.1	
8/5/99	15:16:59	2.5167	3,802.4	87.1	
8/5/99	15:17:29	2.5250	3,803.4	87.1	
8/5/99	15:17:59	2.5333	3,804.3	87.0	
8/5/99	15:18:29	2.5417	3,805.4	87.0	
8/5/99	15:18:59	2.5500	3,806.8	87.0	
8/5/99	15:19:29	2.5583	3,808.0	87.0	
8/5/99	15:19:59	2.5667	3,809.2	87.0	
8/5/99	15:20:29	2.5750	3,809.9	87.0	
8/5/99	15:20:59	2.5833	3,810.9	87.0	
8/5/99	15:21:29	2.5917	3,812.1	86.9	
8/5/99	15:21:59	2.6000	3,812.9	86.9	
8/5/99	15:22:29	2.6083	3,813.5	86.9	
8/5/99	15:22:59	2.6167	3,813.9	86.9	
8/5/99	15:23:29	2.6250	3,815.0	86.9	
8/5/99	15:23:59	2.6333	3,815.9	86.9	
8/5/99	15:24:29	2.6417	3,817.0	86.9	
8/5/99	15:24:59	2.6500	3,817.8	86.9	
8/5/99	15:25:29	2.6583	3,818.2	86.8	
8/5/99	15:25:59	2.6667	3,820.2	86.8	
8/5/99	15:26:29	2.6750	3,820.6	86.8	
8/5/99	15:26:59	2.6833	3,821.0	86.8	
8/5/99	15:27:29	2.6917	3,822.2	86.8	
8/5/99	15:27:59	2.7000	3,823.0	86.8	
8/5/99	15:28:29	2.7083	3,824.3	86.8	
8/5/99	15:28:59	2.7167	3,824.1	86.8	
8/5/99	15:29:29	2.7250	3,825.3	86.7	End of Rate # 4
8/5/99	15:29:59	2.7333	3,826.9	86.7	
8/5/99	15:30:29	2.7417	3,826.5	86.7	
8/5/99	15:30:59	2.7500	3,833.9	86.7	
8/5/99	15:31:29	2.7583	3,837.4	86.7	
8/5/99	15:31:59	2.7667	3,840.3	86.7	
8/5/99	15:32:29	2.7750	3,843.2	86.7	
8/5/99	15:32:59	2.7833	3,844.6	86.7	
8/5/99	15:33:29	2.7917	3,847.1	86.6	

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	15:33:59	2.8000	3,849.7	86.6
8/5/99	15:34:29	2.8083	3,849.5	86.6
8/5/99	15:34:59	2.8167	3,852.5	86.6
8/5/99	15:35:29	2.8250	3,854.0	86.6
8/5/99	15:35:59	2.8333	3,855.4	86.6
8/5/99	15:36:29	2.8417	3,857.2	86.5
8/5/99	15:36:59	2.8500	3,859.0	86.5
8/5/99	15:37:29	2.8583	3,860.8	86.5
8/5/99	15:37:59	2.8667	3,862.2	86.5
8/5/99	15:38:29	2.8750	3,863.4	86.5
8/5/99	15:38:59	2.8833	3,865.0	86.4
8/5/99	15:39:29	2.8917	3,866.1	86.4
8/5/99	15:39:59	2.9000	3,866.9	86.4
8/5/99	15:40:29	2.9083	3,868.4	86.4
8/5/99	15:40:59	2.9167	3,869.4	86.4
8/5/99	15:41:29	2.9250	3,869.4	86.4
8/5/99	15:41:59	2.9333	3,872.4	86.3
8/5/99	15:42:29	2.9417	3,873.5	86.3
8/5/99	15:42:59	2.9500	3,874.6	86.3
8/5/99	15:43:29	2.9583	3,875.8	86.3
8/5/99	15:43:59	2.9667	3,875.5	86.3
8/5/99	15:44:29	2.9750	3,878.3	86.3
8/5/99	15:44:59	2.9833	3,879.0	86.3
8/5/99	15:45:29	2.9917	3,880.1	86.3
8/5/99	15:45:59	3.0000	3,879.9	86.2
8/5/99	15:46:29	3.0083	3,882.4	86.2
8/5/99	15:46:59	3.0167	3,883.5	86.2
8/5/99	15:47:29	3.0250	3,883.6	86.2
8/5/99	15:47:59	3.0333	3,885.5	86.2
8/5/99	15:48:29	3.0417	3,885.7	86.2
8/5/99	15:48:59	3.0500	3,888.1	86.2
8/5/99	15:49:29	3.0583	3,888.7	86.2
8/5/99	15:49:59	3.0667	3,888.9	86.2
8/5/99	15:50:29	3.0750	3,890.8	86.2
8/5/99	15:50:59	3.0833	3,891.0	86.2
8/5/99	15:51:29	3.0917	3,892.8	86.2
8/5/99	15:51:59	3.1000	3,893.7	86.1
8/5/99	15:52:29	3.1083	3,894.0	86.1
8/5/99	15:52:59	3.1167	3,895.4	86.1
8/5/99	15:53:29	3.1250	3,894.5	86.1
8/5/99	15:53:59	3.1333	3,897.3	86.1
8/5/99	15:54:29	3.1417	3,897.0	86.1
8/5/99	15:54:59	3.1500	3,899.0	86.1
8/5/99	15:55:29	3.1583	3,899.9	86.1
8/5/99	15:55:59	3.1667	3,899.0	86.1
8/5/99	15:56:29	3.1750	3,902.0	86.1
8/5/99	15:56:59	3.1833	3,902.8	86.1
8/5/99	15:57:29	3.1917	3,901.7	86.1

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>	
8/5/99	15:57:59	3.2000	3,904.5	86.1	<i>End of Rate #5</i>
8/5/99	15:58:29	3.2083	3,904.9	86.1	
8/5/99	15:58:59	3.2167	3,905.6	86.1	
8/5/99	15:59:29	3.2250	3,912.0	86.1	
8/5/99	15:59:59	3.2333	3,918.4	86.1	
8/5/99	16:00:29	3.2417	3,922.1	86.1	
8/5/99	16:00:59	3.2500	3,925.9	86.1	
8/5/99	16:01:29	3.2583	3,927.9	86.1	
8/5/99	16:01:59	3.2667	3,930.1	86.1	
8/5/99	16:02:29	3.2750	3,931.4	86.0	
8/5/99	16:02:59	3.2833	3,934.0	86.0	
8/5/99	16:03:29	3.2917	3,936.1	86.0	
8/5/99	16:03:59	3.3000	3,937.2	86.0	
8/5/99	16:04:29	3.3083	3,939.3	86.0	
8/5/99	16:04:59	3.3167	3,941.3	86.0	
8/5/99	16:05:29	3.3250	3,943.4	86.0	
8/5/99	16:05:59	3.3333	3,944.2	86.0	
8/5/99	16:06:29	3.3417	3,945.7	86.0	
8/5/99	16:06:59	3.3500	3,946.9	85.9	
8/5/99	16:07:29	3.3583	3,949.7	85.9	
8/5/99	16:07:59	3.3667	3,950.3	85.9	
8/5/99	16:08:29	3.3750	3,951.2	85.9	
8/5/99	16:08:59	3.3833	3,952.2	85.9	
8/5/99	16:09:29	3.3917	3,954.7	85.9	
8/5/99	16:09:59	3.4000	3,955.9	85.9	
8/5/99	16:10:29	3.4083	3,956.6	85.9	
8/5/99	16:10:59	3.4167	3,958.2	85.9	
8/5/99	16:11:29	3.4250	3,959.4	85.9	
8/5/99	16:11:59	3.4333	3,960.5	85.9	
8/5/99	16:12:29	3.4417	3,962.2	85.9	
8/5/99	16:12:59	3.4500	3,963.7	85.9	
8/5/99	16:13:29	3.4583	3,964.1	85.9	
8/5/99	16:13:59	3.4667	3,964.8	85.9	
8/5/99	16:14:29	3.4750	3,966.8	85.9	
8/5/99	16:14:59	3.4833	3,968.5	85.9	
8/5/99	16:15:29	3.4917	3,969.9	85.9	
8/5/99	16:15:59	3.5000	3,969.8	85.8	
8/5/99	16:16:29	3.5083	3,971.7	85.8	
8/5/99	16:16:59	3.5167	3,971.3	85.9	
8/5/99	16:17:29	3.5250	3,973.5	85.9	
8/5/99	16:17:59	3.5333	3,975.1	85.9	
8/5/99	16:18:29	3.5417	3,975.2	85.9	
8/5/99	16:18:59	3.5500	3,975.8	85.9	
8/5/99	16:19:29	3.5583	3,977.1	85.9	
8/5/99	16:19:59	3.5667	3,979.1	85.9	
8/5/99	16:20:29	3.5750	3,979.5	85.9	
8/5/99	16:20:59	3.5833	3,979.3	85.9	
8/5/99	16:21:29	3.5917	3,981.3	85.9	

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
		<u>Time</u> <u>hr</u>		
8/5/99	16:21:59	3.6000	3,982.1	85.9
8/5/99	16:22:29	3.6083	3,982.6	85.9
8/5/99	16:22:59	3.6167	3,983.8	85.9
8/5/99	16:23:29	3.6250	3,983.7	85.9
8/5/99	16:23:59	3.6333	3,985.9	85.9
8/5/99	16:24:29	3.6417	3,986.3	85.9
8/5/99	16:24:59	3.6500	3,987.9	85.9
8/5/99	16:25:29	3.6583	3,988.6	85.9
8/5/99	16:25:59	3.6667	3,988.7	85.9
8/5/99	16:26:29	3.6750	3,989.1	85.9
8/5/99	16:26:59	3.6833	3,989.7	85.9
8/5/99	16:27:29	3.6917	3,991.0	85.9
8/5/99	16:27:59	3.7000	3,991.0	85.9
8/5/99	16:28:29	3.7083	3,992.1	85.9
8/5/99	16:28:59	3.7167	3,993.0	86.0
8/5/99	16:29:29	3.7250	3,993.6	86.0
8/5/99	16:29:59	3.7333	3,994.7	86.0
8/5/99	16:30:29	3.7417	3,995.9	86.0
8/5/99	16:30:59	3.7500	4,001.6	86.0
8/5/99	16:31:29	3.7583	4,005.8	86.0
8/5/99	16:31:59	3.7667	4,008.8	86.0
8/5/99	16:32:29	3.7750	4,010.9	86.0
8/5/99	16:32:59	3.7833	4,012.6	86.0
8/5/99	16:33:29	3.7917	4,013.5	86.0
8/5/99	16:33:59	3.8000	4,014.7	86.0
8/5/99	16:34:29	3.8083	4,016.5	86.0
8/5/99	16:34:59	3.8167	4,018.2	86.0
8/5/99	16:35:29	3.8250	4,019.7	86.0
8/5/99	16:35:59	3.8333	4,021.5	86.0
8/5/99	16:36:29	3.8417	4,022.9	86.0
8/5/99	16:36:59	3.8500	4,023.4	86.0
8/5/99	16:37:29	3.8583	4,024.2	86.0
8/5/99	16:37:59	3.8667	4,025.9	86.0
8/5/99	16:38:29	3.8750	4,027.1	86.0
8/5/99	16:38:59	3.8833	4,029.1	86.0
8/5/99	16:39:29	3.8917	4,029.4	86.0
8/5/99	16:39:59	3.9000	4,029.8	86.0
8/5/99	16:40:29	3.9083	4,031.3	86.0
8/5/99	16:40:59	3.9167	4,032.6	86.0
8/5/99	16:41:29	3.9250	4,034.3	86.0
8/5/99	16:41:59	3.9333	4,034.6	86.0
8/5/99	16:42:29	3.9417	4,035.0	86.0
8/5/99	16:42:59	3.9500	4,036.3	86.1
8/5/99	16:43:29	3.9583	4,037.6	86.1
8/5/99	16:43:59	3.9667	4,038.8	86.1
8/5/99	16:44:29	3.9750	4,038.7	86.1
8/5/99	16:44:59	3.9833	4,039.9	86.1
8/5/99	16:45:29	3.9917	4,041.2	86.1

End of Rate #6

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	16:45:59	4.0000	4,042.6	86.1
8/5/99	16:46:29	4.0083	4,042.3	86.1
8/5/99	16:46:59	4.0167	4,043.3	86.1
8/5/99	16:47:29	4.0250	4,044.6	86.1
8/5/99	16:47:59	4.0333	4,045.6	86.1
8/5/99	16:48:29	4.0417	4,046.8	86.1
8/5/99	16:48:59	4.0500	4,046.3	86.2
8/5/99	16:49:29	4.0583	4,047.8	86.2
8/5/99	16:49:59	4.0667	4,048.8	86.2
8/5/99	16:50:29	4.0750	4,049.6	86.2
8/5/99	16:50:59	4.0833	4,049.4	86.2
8/5/99	16:51:29	4.0917	4,050.8	86.2
8/5/99	16:51:59	4.1000	4,052.0	86.2
8/5/99	16:52:29	4.1083	4,051.7	86.2
8/5/99	16:52:59	4.1167	4,052.6	86.2
8/5/99	16:53:29	4.1250	4,053.7	86.2
8/5/99	16:53:59	4.1333	4,054.4	86.3
8/5/99	16:54:29	4.1417	4,054.5	86.3
8/5/99	16:54:59	4.1500	4,055.6	86.3
8/5/99	16:55:29	4.1583	4,056.8	86.3
8/5/99	16:55:59	4.1667	4,057.0	86.3
8/5/99	16:56:29	4.1750	4,057.3	86.3
8/5/99	16:56:59	4.1833	4,058.5	86.3
8/5/99	16:57:29	4.1917	4,059.3	86.3
8/5/99	16:57:59	4.2000	4,059.0	86.3
8/5/99	16:58:29	4.2083	4,060.1	86.3
8/5/99	16:58:59	4.2167	4,052.2	86.4
8/5/99	16:59:29	4.2250	4,066.9	86.4
8/5/99	16:59:59	4.2333	4,077.7	86.4
8/5/99	17:00:29	4.2417	4,082.5	86.4
8/5/99	17:00:59	4.2500	4,085.7	86.4
8/5/99	17:01:29	4.2583	4,088.8	86.4
8/5/99	17:01:59	4.2667	4,091.4	86.4
8/5/99	17:02:29	4.2750	4,093.0	86.4
8/5/99	17:02:59	4.2833	4,095.8	86.4
8/5/99	17:03:29	4.2917	4,097.5	86.4
8/5/99	17:03:59	4.3000	4,099.4	86.4
8/5/99	17:04:29	4.3083	4,101.2	86.4
8/5/99	17:04:59	4.3167	4,102.3	86.4
8/5/99	17:05:29	4.3250	4,104.4	86.5
8/5/99	17:05:59	4.3333	4,105.5	86.5
8/5/99	17:06:29	4.3417	4,107.4	86.5
8/5/99	17:06:59	4.3500	4,108.4	86.5
8/5/99	17:07:29	4.3583	4,109.9	86.5
8/5/99	17:07:59	4.3667	4,110.7	86.5
8/5/99	17:08:29	4.3750	4,112.1	86.5
8/5/99	17:08:59	4.3833	4,113.4	86.6
8/5/99	17:09:29	4.3917	4,114.9	86.6

End of Rate #7

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative <u>Time</u> <u>hr</u>	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
8/5/99	17:09:59	4.4000	4,115.6	86.6
8/5/99	17:10:29	4.4083	4,116.9	86.6
8/5/99	17:10:59	4.4167	4,117.5	86.6
8/5/99	17:11:29	4.4250	4,118.4	86.7
8/5/99	17:11:59	4.4333	4,119.8	86.7
8/5/99	17:12:29	4.4417	4,120.2	86.7
8/5/99	17:12:59	4.4500	4,121.8	86.7
8/5/99	17:13:29	4.4583	4,122.0	86.8
8/5/99	17:13:59	4.4667	4,123.7	86.8
8/5/99	17:14:29	4.4750	4,124.3	86.8
8/5/99	17:14:59	4.4833	4,125.1	86.8
8/5/99	17:15:29	4.4917	4,126.2	86.9
8/5/99	17:15:59	4.5000	4,126.5	86.9
8/5/99	17:16:29	4.5083	4,127.6	86.9
8/5/99	17:16:59	4.5167	4,128.5	86.9
8/5/99	17:17:29	4.5250	4,128.9	87.0
8/5/99	17:17:59	4.5333	4,130.1	87.0
8/5/99	17:18:29	4.5417	4,130.8	87.0
8/5/99	17:18:59	4.5500	4,131.4	87.0
8/5/99	17:19:29	4.5583	4,131.7	87.0
8/5/99	17:19:59	4.5667	4,108.4	87.1
8/5/99	17:20:29	4.5750	4,092.8	87.1
8/5/99	17:20:59	4.5833	4,082.3	87.1
8/5/99	17:21:29	4.5917	4,074.1	87.1
8/5/99	17:21:59	4.6000	4,054.7	87.2
8/5/99	17:22:29	4.6083	3,968.7	87.2
8/5/99	17:22:59	4.6167	3,860.0	87.2
8/5/99	17:23:29	4.6250	3,730.7	87.2
8/5/99	17:23:59	4.6333	3,599.5	87.2
8/5/99	17:24:29	4.6417	3,467.0	87.2
8/5/99	17:24:59	4.6500	3,332.5	87.2
8/5/99	17:25:29	4.6583	3,196.1	87.1
8/5/99	17:25:59	4.6667	3,058.3	87.1
8/5/99	17:26:29	4.6750	2,919.1	87.1
8/5/99	17:26:59	4.6833	2,778.1	87.0
8/5/99	17:27:29	4.6917	2,634.8	86.9
8/5/99	17:27:59	4.7000	2,489.6	86.9
8/5/99	17:28:29	4.7083	2,342.4	86.8
8/5/99	17:28:59	4.7167	2,192.6	86.8
8/5/99	17:29:29	4.7250	2,040.2	86.7
8/5/99	17:29:59	4.7333	1,885.4	86.7
8/5/99	17:30:29	4.7417	1,748.4	86.7
8/5/99	17:30:59	4.7500	1,633.9	86.8
8/5/99	17:31:29	4.7583	1,544.2	86.9
8/5/99	17:31:59	4.7667	1,530.1	87.0
8/5/99	17:32:29	4.7750	1,522.9	87.6
8/5/99	17:32:59	4.7833	1,430.2	88.3
8/5/99	17:33:29	4.7917	1,431.1	89.1

End of Rate #8

NM "F" State # 1 Bottom Hole Text Data File

<u>Date</u>	<u>Time</u>	Cumulative	<u>Pressure</u> <u>psig</u>	<u>Temp</u> <u>deg F</u>
		<u>Time</u> <u>hr</u>		
8/5/99	17:33:59	4.8000	1,430.8	89.9
8/5/99	17:34:29	4.8083	1,431.1	90.7
8/5/99	17:34:59	4.8167	1,432.2	91.4
8/5/99	17:35:29	4.8250	1,434.2	92.1
8/5/99	17:35:59	4.8333	1,433.8	92.8
8/5/99	17:36:29	4.8417	45.7	93.5
8/5/99	17:36:59	4.8500	19.0	94.1
8/5/99	17:37:29	4.8583	0.0	94.6
8/5/99	17:37:59	4.8667	0.0	95.0
8/5/99	17:38:29	4.8750	0.0	95.4
8/5/99	17:38:59	4.8833	0.0	95.8
8/5/99	17:39:29	4.8917	0.0	96.1
8/5/99	17:39:59	4.9000	0.0	96.3
8/5/99	17:40:29	4.9083	0.0	96.5
8/5/99	17:40:59	4.9167	0.0	96.7
8/5/99	17:41:29	4.9250	0.0	96.9
8/5/99	17:41:59	4.9333	0.0	97.0
8/5/99	17:42:29	4.9417	0.0	97.1
8/5/99	17:42:59	4.9500	0.0	97.0
8/5/99	17:43:29	4.9583	0.0	96.9
8/5/99	17:43:59	4.9667	0.0	96.7
8/5/99	17:44:29	4.9750	0.0	96.6
8/5/99	17:44:59	4.9833	0.0	96.4
8/5/99	17:45:29	4.9917	0.0	96.3
8/5/99	17:45:59	5.0000	0.0	96.3
8/5/99	17:46:29	5.0083	0.0	96.2
8/5/99	17:46:59	5.0167	0.0	96.1
8/5/99	17:47:29	5.0250	0.0	95.9
8/5/99	17:47:59	5.0333	0.0	95.8
8/5/99	17:48:29	5.0417	0.0	95.6