

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

30-025-37841

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator PATTERSON PETROLEUM				Lease or Unit Name COOPER 24 FED. COM.			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10/3/06	Well No. 1
Completion Date		Total Depth 13805		Plug Back TD 13720		Elevation	Unit Ltr - Sec - TWP - Rge H, 24, 17S, 32E
Csg. Size 5 1/2	Wt. 20#	d 13720	Set At 13720	Perforations: From: 13438 To: 13620		County LEA	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 13412	Perforations: From: To:		Pool Leamex Morrow West	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 13412		Formation MORROW	
Producing Thru TBG		Reservoir Temp. °F 208 @ 13412	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection SALES	
L 13412	H 13412	Gg 0.706	%CO ₂ 2.623	%N ₂ 0.793	%H ₂ S	Prover N/A	Meter Run 3.068
Taps FLG				Duration of Flow			
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI					74	3400	72 HRS
1	3 X	1.375	538	1.2	85	3335	1HR
2	3 X	1.375	540	21	89	3170	1HR
3	3 X	1.375	549	40	85	2675	1HR
4	3 X	1.375	550	59	83	2449	1HR
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1							320
2							1,210
3							1,835
4							2,250
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 16.95 Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 54.5 Deg.		
2					Specific Gravity Separator Gas 0.706 XXXXXXXX		
3	N/A	N/A	N/A	N/A	Specific Gravity Flowing Fluid XXXXXX Gmix = .873		
4					Critical Pressure 668 P.S.I.A. 663 P.S.I.A.		
5					Critical Temperature 392 R. 448 R		
P _c 3413.2 P _{c2} 11649.9							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.253}{1.888}$		
1		3349.5	11219.3	430.6			
2		3202.8	10258	1392			
3		2739.6	7505.5	4144.5			
4		2545.2	6478.2	5171.7			
5							
Absolute Open Flow 4.248 Mcfd @ 15.025				Angle of Slope (°): 51.9		Slope n: 0.7827	
Remarks: Well produced 13.8 bbls of 54.5 API Gr condensate & no H2O during test							
Approved By Division:		Conducted By: Metering & Testing Services, Inc.		Calculated By: BM		Checked By: BM	

COMPANY : PATTERSON PETROLEUM LEASE : C. 24 FED. COMM WELL NO. 1
 UNIT : SECTION : TOWNSHIP :
 L : 13412 H : 13412 L/H : 1 G/GNIX : 0.873
 %CO2 : 2.603 %N2 : 0.793 H2S : DATE : 10-03-06
 d : 1.995 Fr : 0.0182312 CH : 11708.7 RANGE :

Pc = 3413.2 Pc2 = 11649.9
 Pt2 = ***** Pw = 3349.5
 ***** 3202.8
 7226.4 2739.6
 6062.4 2545.2

VOL 1 : 320 PSIA 1 : 3348.2 RESV. TEMP 668.0
 VOL 2 : 1210 PSIA 2 : 3183.2
 VOL 3 : 1834 PSIA 3 : 2688.2 SHUT-IN PRE = 3413.2
 VOL 4 : 2250 PSIA 4 : 2462.2

PCR : 663
 TCR : 448

Pc2-Pw2 = 430.6 Pw2 = 11219.3
 1392.0 10258.0
 4144.5 7505.5
 5171.7 6478.2

n = 0.783
 Pc2/(Pc2-Pw2) = 27.053

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.320	0.320	1.210	1.210	1.834	1.834	2.250	2.250
2 TV	534	534	534	534	534	534	534	534
3 Ts	1128.0	1128.0	1128.0	1128.0	1128.0	1128.0	1128.0	1128.0
4 T	831.0	831.0	831.0	831.0	831.0	831.0	831.0	831.0
PR (est)	5.05		4.80		4.05		3.71	
5 Z(est)	0.909	0.934	0.903	0.925	0.891	0.904	0.888	0.896
6 TZ	755.6	776.1	750.7	769.0	740.2	750.8	737.6	744.9
7 GH/TZ	15.497	15.087	15.596	15.225	15.819	15.594	15.875	15.719
8 eS	1.788	1.761	1.795	1.770	1.810	1.795	1.814	1.803
9 l-e-S	0.441	0.432	0.443	0.435	0.447	0.443	0.449	0.445
10 Pt	3348.2	3348.2	3183.2	3183.2	2688.2	2688.2	2462.2	2462.2
11 Pt2 /1000	11210.4	11210.4	10132.8	10132.8	7226.4	7226.4	6062.4	6062.4
12 Fr	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312	0.0182312
13 Fc=FrTZ	13.775	14.148	13.687	14.020	13.494	13.688	13.447	13.580
14 FcQm	4.41	4.53	16.56	16.96	24.75	25.10	30.25	30.55
15 L/H(FcQm)	19.4	20.5	274.3	287.8	612.5	630.2	915.3	933.6
16 Fw	8.5632053	8.8568303	121.4507	125.19504	274.05638	279.0546	410.63131	415.796847
17 Pw2	11219.0	11219.3	10254.2	10258.0	7500.5	7505.5	6473.1	6478.2
18 Ps2	20060.2	19755.2	18403.6	18156.0	13574.2	13469.5	11739.5	11680.4
19 Ps	4478.9	4444.7	4289.9	4261.0	3684.3	3670.1	3426.3	3417.7
20 P	3913.5	3896.4	3736.6	3722.1	3186.3	3179.1	2944.2	2939.9
21 Pr	5.90	5.88	5.64	5.61	4.81	4.80	4.44	4.43
22 Tr	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
23 Z	0.934	0.933	0.925	0.925	0.904	0.903	0.896	0.896

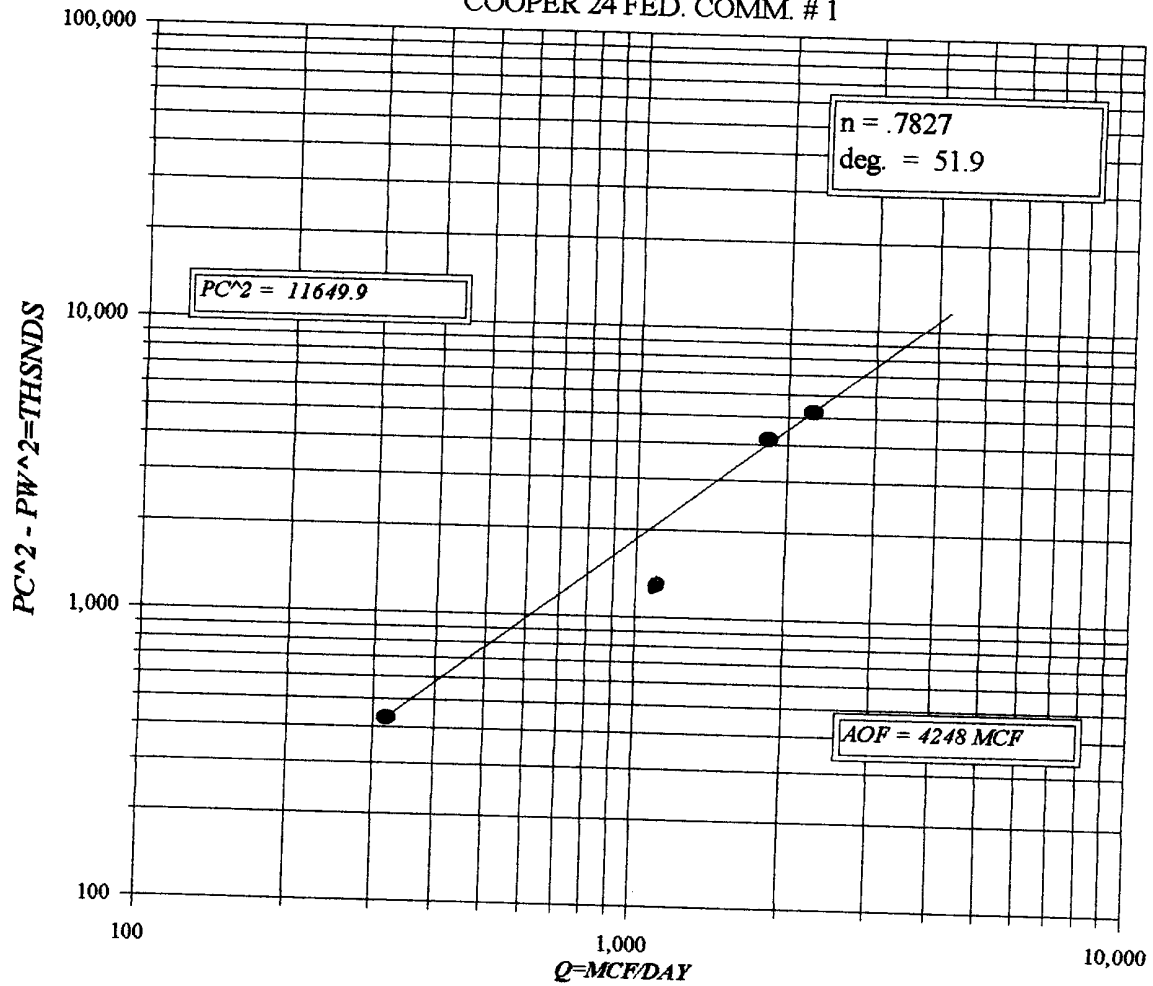
8.369
 2.811
 2.253

[Pc2/Pc2-Pw2]n = 13.213
 5.275
 2.246
 1.888

AOF= Q 4.228
 6.382
 4.118
 4.248

FORM C122-D

PATTERSON PETROLEUM
COOPER 24 FED. COMM. # 1



NEW MEXICO G.O.R./G. MIX

NO. OF BBLS PRODUCED = 13.8
API GRAVITY @ 60 DEG. = 54.5

.....
SPECIFIC GRAVITY OF GAS = 0.7060

XX
TOTAL GAS PRODUCED = 234

G.O.R. = 16.950

G.MIX = 0.873



COMPANY : PATTERSON PETROLEUM L.P.
LEASE : COOPER "24" FEDERAL COM
WELL NO. : # 1
FIELD : W. LEAMEX
COUNTY/STATE : LEA / NEW MEXICO

TEST DATE : 05/26/06
D.S.T. NO. : 1
TEST TKT. NO. : 23724
INVOICE NO. : 21740
ORDER NO. :

FORMATION : PADDOCK
INTERVAL (ft) : 5790 TO 5865
TOTAL DEPTH (ft): 5865
ELEVATION (ft) : 4093
HOLE SIZE (in) : 8.750
DRILL PIPE ID (in) : 3.82
DRILL COLLAR ID(in): 2.25
DRILL COLLAR feet : 780
ANCHOR LENGTH (ft): 75
TOOL LENGTH (ft) : 54
TOOL O.D. (in) : 5
PACKER SIZE (in) : 7.50

RECORDER DATA
AK-1KUSTER / ZIPROBE

TOP RECORDER: IN
RECORDER NO. : 9634
CAPACITY (psi): 10000
DEPTH (ft) : 5798
CLOCK NO. : 9634
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 13709
CAPACITY (psi): 7350
DEPTH (ft) : 5862
CLOCK NO. : 19463
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : FRESH WATER
MUD WT. (#/gal) : 8.40

WATER LOSS (cc) :
FILTER CAKE (in) :
VISCOSITY (sec) : 28

CHLORIDE PPM : 10000
RESISTIVITY(ohm-m): .320

EQUIPMENT DATA

CONVENTIONAL : YES
STRADDLE : NO
SELECTIVE ZONE : NO
SAMPLE CHAMBER : YES
GAS ANALYSIS : NO

ROTARY JARS : YES
NO. OF PACKERS : 2
SAFETY JOINT : YES
CIRCULATING SUB : YES
REVERSED OUT : NO

MULTIFLOW : NO
MILEAGE : NO
OPERATOR TIME : NO
OTHER : YES
ZI ELECTRONICS(2)

SUCCESSFUL : YES

PACKER FAILURE : NO

TOOL PLUG : NO

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 5:15 PM

TOTAL TEST TIME: 253

INITIAL FLOW : 14
SECOND FLOW : 59
THIRD FLOW :

INITIAL SHUT-IN: 60
SECOND SHUT-IN : 120
THIRD SHUT IN :

TEST TOOL OPERATOR: DON TERHUNE

PATTERSON PETROLEUM L.P.



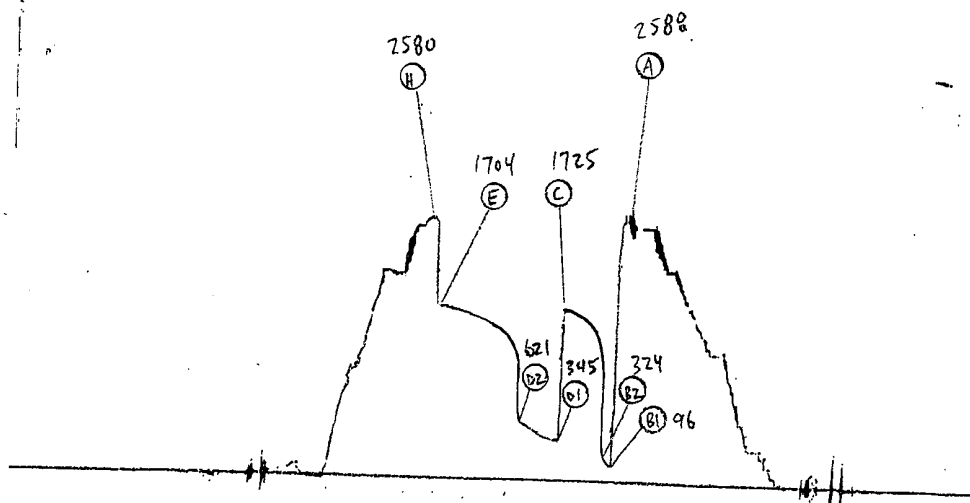
COOPER "24" FEDERAL COM # 1
D.S.T. NO. :1

	CORRECTED READING	FIELD READING
A INITIAL HYDROSTATIC:	2569 PSI	2569 PSI
B-1 INITIAL FIRST FLOW :	76 PSI	76 PSI
B-2 FINAL FIRST FLOW :	304 PSI	298 PSI
C FIRST SHUT-IN :	1706 PSI	1706 PSI
D-1 INITIAL SECOND FLOW:	324 PSI	326 PSI
D-2 FINAL SECOND FLOW :	600 PSI	600 PSI
E SECOND SHUT-IN :	1685 PSI	1685 PSI
H FINAL HYDROSTATIC :	2553 PSI	2570 PSI

TKT- 23724 REC- 13709 WT- 7350

AK-1 KUSTER 24 HR. CLOCK

BOTTOM RECORDED: OUTSIDE



PIPE RECOVERY

1120 FT. OF BLACK SULPHUR WATER
18,000 MG/L CHLORIDES- .190 OHMS @ 85 DEGREES

RECOVERY DATA

B.H. TEMP. (deg F) : 105

SAMPLE CHAMBER

500 LBS. OF PRESSURE
.010 CU. FT. OF GAS
TRACE OF OIL
2000 CC'S BLACK SULPHUR WATER
18,000 MG/L CHLORIDES
.190 OHMS @ 85 DEGREES

TEST REMARKS

TOOL OPENED WITH VERY WEAK BLOW (1/2" IN WATER) ON 1/8" CHOKE WHICH BUILT TO (7" IN WATER) (4 OZS.) IN 5 MIN., 6 OZS. IN 10 MIN. & 6.75 OZS. AT END OF THE 15 MIN. FIRST FLOW. REOPENED TOOL WITH VERY WEAK BLOW (1/2" IN WATER) ON 1/8" CHOKE WHICH BUILT TO (4" IN WATER) IN 5 MIN., 4.5 OZS. IN 15 MIN., 5 OZS. IN 30 MIN. & THEN DECREASED TO 3.5 OZS. ON 1/8" CHOKE AT END OF 60 MIN. FINAL FLOW.

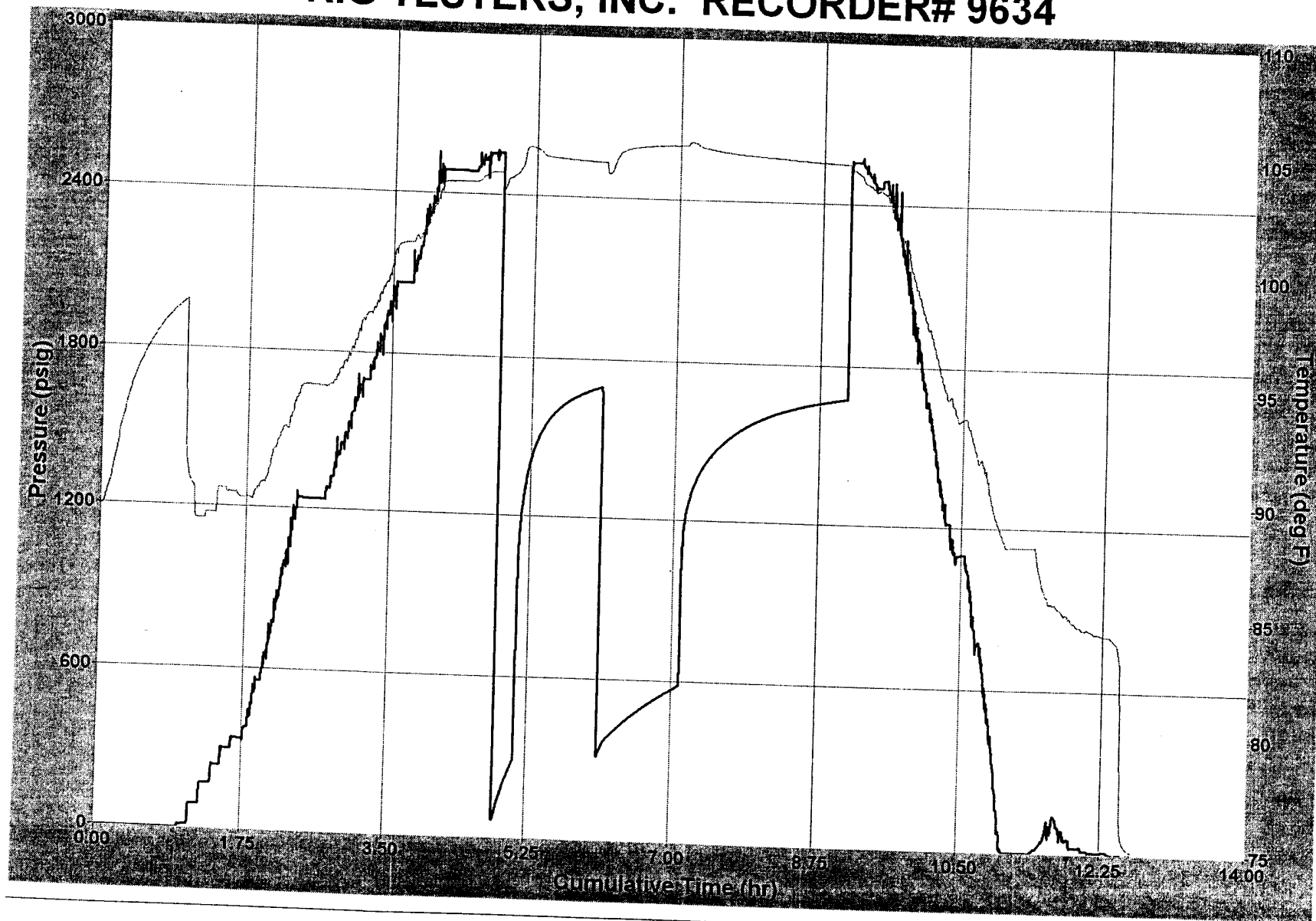


Company Name
Well Name
Type of Test
Date(s) of Test

PATTERSON PETROLEUM L.P.
COOPER "24" FEDERAL COM #1
DST #1 (5790-5865 FT.; PADDOCK)
5-26-06



RIG TESTERS, INC. RECORDER# 9634



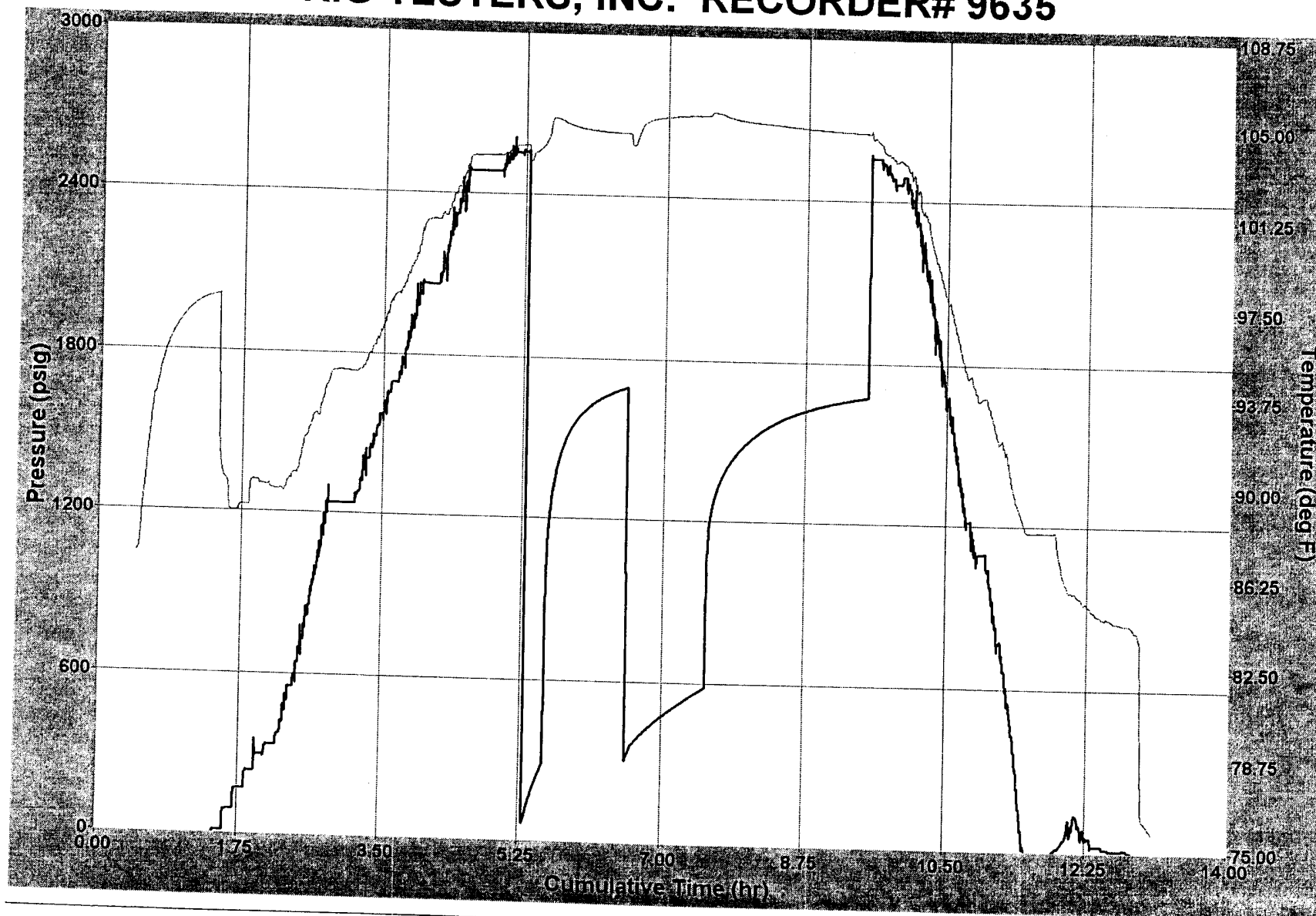


Company Name
Well Name
Type of Test
Date(s) of Test

PATTERSON PETROLEUM L.P.
COOPER "24" FEDERAL COM #1
DST #1 (5790-5865 FT.; PADDOCK)
5-26-06



RIG TESTERS, INC. RECORDER# 9635



INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 5798 ft

ELAPSED TIME ---MIN----	TOTAL FLOW TIME, T ---MIN----	INCREMENTAL SHUT-IN TIME, DT ---MIN----	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST FLOW					
.0	.0			76.40	.00
2.0	2.0			115.33	38.93
4.0	4.0			154.32	77.92
6.0	6.0			188.80	112.40
8.0	8.0			220.85	144.45
10.0	10.0			248.89	172.49
12.0	12.0			275.60	199.20
14.0	14.0			300.90	224.50
14.3	14.3			304.50	228.10
FIRST SHUT-IN					
14.3	14.3	.00	.000	304.50	.00
14.8	14.3	.50	29.560	864.16	559.66
15.3	14.3	1.00	15.280	1016.48	711.98
15.8	14.3	1.50	10.520	1089.60	785.10
16.3	14.3	2.00	8.140	1145.30	840.80
16.8	14.3	2.50	6.712	1183.02	878.52
17.3	14.3	3.00	5.760	1217.30	912.80
17.8	14.3	3.50	5.080	1246.15	941.65
18.3	14.3	4.00	4.570	1270.88	966.38
18.8	14.3	4.50	4.173	1291.00	986.50
19.3	14.3	5.00	3.856	1311.16	1006.66
20.3	14.3	6.00	3.380	1344.50	1040.00
21.3	14.3	7.00	3.040	1374.59	1070.09
22.3	14.3	8.00	2.785	1399.60	1095.10
23.3	14.3	9.00	2.587	1421.70	1117.20
24.3	14.3	10.00	2.428	1442.31	1137.81
26.3	14.3	12.00	2.190	1475.60	1171.10
28.3	14.3	14.00	2.020	1503.56	1199.06
30.3	14.3	16.00	1.893	1526.85	1222.35
32.3	14.3	18.00	1.793	1546.20	1241.70
34.3	14.3	20.00	1.714	1563.47	1258.97
37.3	14.3	23.00	1.621	1585.24	1280.74
40.3	14.3	26.00	1.549	1603.53	1299.03
43.3	14.3	29.00	1.492	1619.20	1314.70
46.3	14.3	32.00	1.446	1632.78	1328.28
49.3	14.3	35.00	1.408	1644.68	1340.18
52.3	14.3	38.00	1.376	1655.17	1350.67
55.3	14.3	41.00	1.348	1664.46	1359.96
58.3	14.3	44.00	1.325	1672.84	1368.34
61.3	14.3	47.00	1.304	1680.35	1375.85
64.3	14.3	50.00	1.286	1687.15	1382.65
67.3	14.3	53.00	1.269	1693.44	1388.94
70.3	14.3	56.00	1.255	1699.05	1394.55
73.3	14.3	59.00	1.242	1704.34	1399.84

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 5798 ft

ELAPSED TIME ---MIN----	TOTAL FLOW TIME, T ---MIN----	INCREMENTAL SHUT-IN TIME, DT ---MIN----	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST SHUT-IN					
74.5	14.3	60.24	1.237	1706.40	1401.90
SECOND FLOW					
75.0	14.8			324.40	.00
78.0	17.8			363.80	39.40
81.0	20.8			389.50	65.10
84.0	23.8			407.10	82.70
87.0	26.8			422.80	98.40
90.0	29.8			437.80	113.40
93.0	32.8			451.90	127.50
96.0	35.8			465.40	141.00
99.0	38.8			478.30	153.90
102.0	41.8			490.70	166.30
105.0	44.8			502.50	178.10
108.0	47.8			514.00	189.60
111.0	50.8			524.60	200.20
114.0	53.8			535.20	210.80
117.0	56.8			545.90	221.50
120.0	59.8			556.30	231.90
123.0	62.8			565.50	241.10
126.0	65.8			575.30	250.90
129.0	68.8			585.00	260.60
132.0	71.8			593.70	269.30
134.0	73.8			600.30	275.90
SECOND SHUT-IN					
134.0	73.8	.00	.000	600.30	.00
135.0	73.8	1.00	74.800	1109.18	508.88
136.0	73.8	2.00	37.900	1184.68	584.38
137.0	73.8	3.00	25.600	1227.60	627.30
138.0	73.8	4.00	19.450	1260.10	659.80
139.0	73.8	5.00	15.760	1283.96	683.66
140.0	73.8	6.00	13.300	1304.10	703.80
141.0	73.8	7.00	11.543	1322.58	722.28
142.0	73.8	8.00	10.225	1338.01	737.71
143.0	73.8	9.00	9.200	1352.00	751.70
144.0	73.8	10.00	8.380	1365.50	765.20
146.0	73.8	12.00	7.150	1387.80	787.50
148.0	73.8	14.00	6.271	1407.79	807.49
150.0	73.8	16.00	5.613	1425.33	825.03

INCREMENTAL PRESSURE DATA

RECORDER NO : 9634

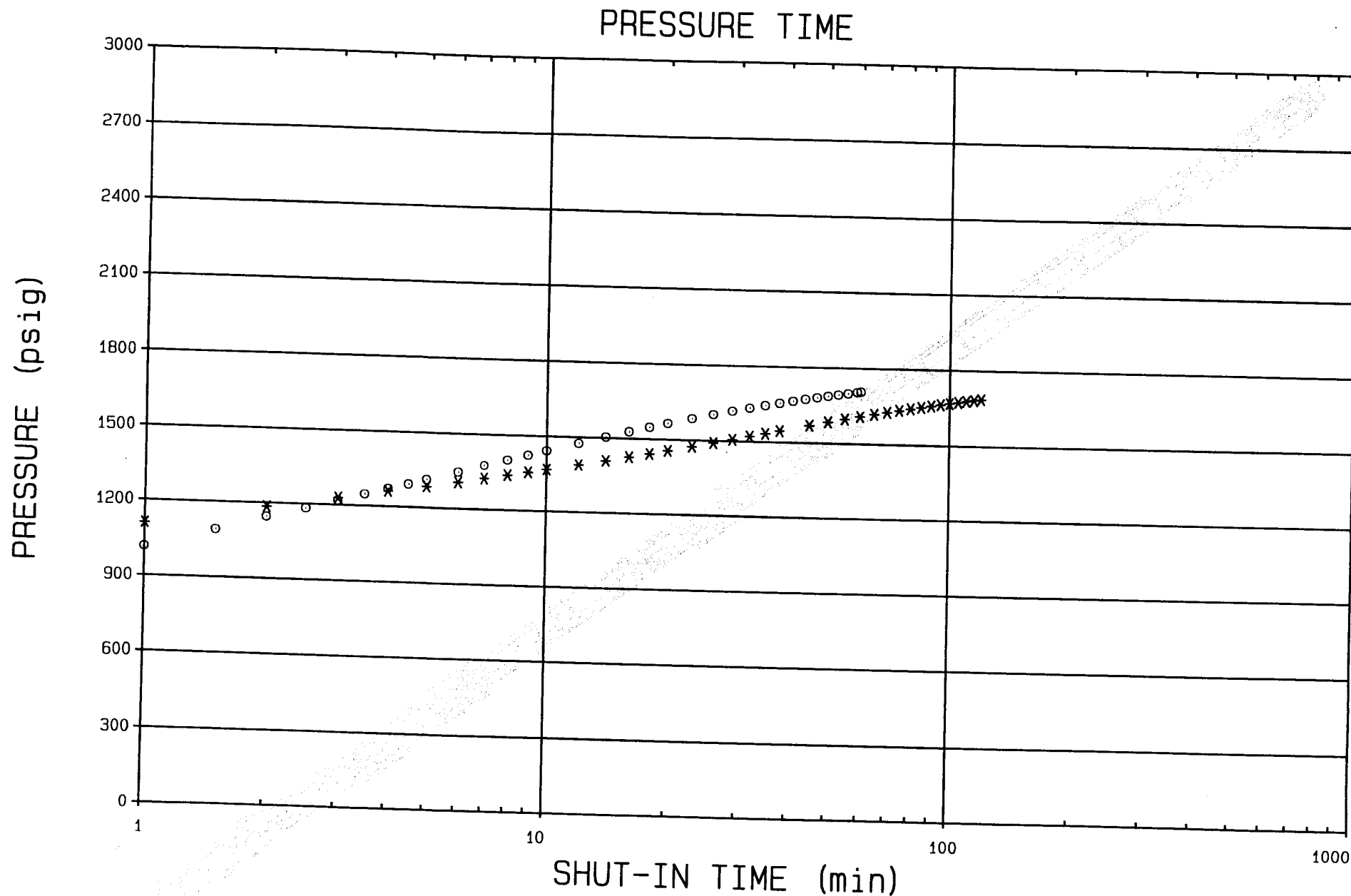
RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 5798 ft

ELAPSED TIME ---MIN----	TOTAL FLOW TIME, T ---MIN----	INCREMENTAL SHUT-IN TIME, DT ---MIN----	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
		SECOND SHUT-IN			
152.0	73.8	18.00	5.100	1440.50	840.20
154.0	73.8	20.00	4.690	1454.85	854.55
157.0	73.8	23.00	4.209	1474.02	873.72
160.0	73.8	26.00	3.838	1490.92	890.62
163.0	73.8	29.00	3.545	1505.91	905.61
166.0	73.8	32.00	3.306	1519.78	919.48
169.0	73.8	35.00	3.109	1532.39	932.09
172.0	73.8	38.00	2.942	1544.08	943.78
179.0	73.8	45.00	2.640	1568.00	967.70
184.0	73.8	50.00	2.476	1582.96	982.66
189.0	73.8	55.00	2.342	1595.98	995.68
194.0	73.8	60.00	2.230	1607.30	1007.00
199.0	73.8	65.00	2.135	1617.74	1017.44
204.0	73.8	70.00	2.054	1627.08	1026.78
209.0	73.8	75.00	1.984	1635.30	1035.00
214.0	73.8	80.00	1.923	1643.03	1042.73
219.0	73.8	85.00	1.868	1649.87	1049.57
224.0	73.8	90.00	1.820	1656.20	1055.90
229.0	73.8	95.00	1.777	1662.03	1061.73
234.0	73.8	100.00	1.738	1667.45	1067.15
239.0	73.8	105.00	1.703	1672.40	1072.10
244.0	73.8	110.00	1.671	1677.21	1076.91
249.0	73.8	115.00	1.642	1681.53	1081.23
253.8	73.8	119.76	1.616	1685.40	1085.10

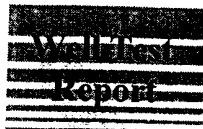
REMARKS

THE INCREMENTAL DATA, PLOTS AND ANALYSIS ARE FROM THE ELECTRONIC RECORDER
 (PLEASE REFER TO DERIVATIVE DIAGNOSTICS ANALYSIS FOR FURTHER INFORMATION)
 (PRESSURE ASCII FILE IS AVAILABLE ON DISKETTE UPON REQUEST)



PATTERSON PETROLEUM L.P.
COOPER "24" FEDERAL COM # 1

○ FIRST SHUT-IN
* SECOND SHUT-IN



RigTesters, Inc.
ABILENE - MIDLAND - GRAHAM

PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1



Well identification

Well ID	COOPER "24" #1	Well location	S. MALJAMAR
County/District	LEA	State, Country	NEW MEXICO
Company	PATTERSON PETR.	Division	SNYDER

Fluid properties

Prod/Inj fluid	SULPHUR WATER	GOR	N/A
Water cut	100%	Condensate yield	UNKNOWN
API gravity	N/A	Gas spec. grav.	0.7
Viscosity	0.6676 cp	Pseudo-critical T	382.97 deg R
Pseudo-critical P	664.37 psia	H2S mole fraction	UNKNOWN
CO2 mole fraction	UNKNOWN	N2 mole fraction	UNKNOWN
Compressibility(t)	13.91 e-6/psi	Formation vol factor	1.0051 RB/STB

Reservoir properties

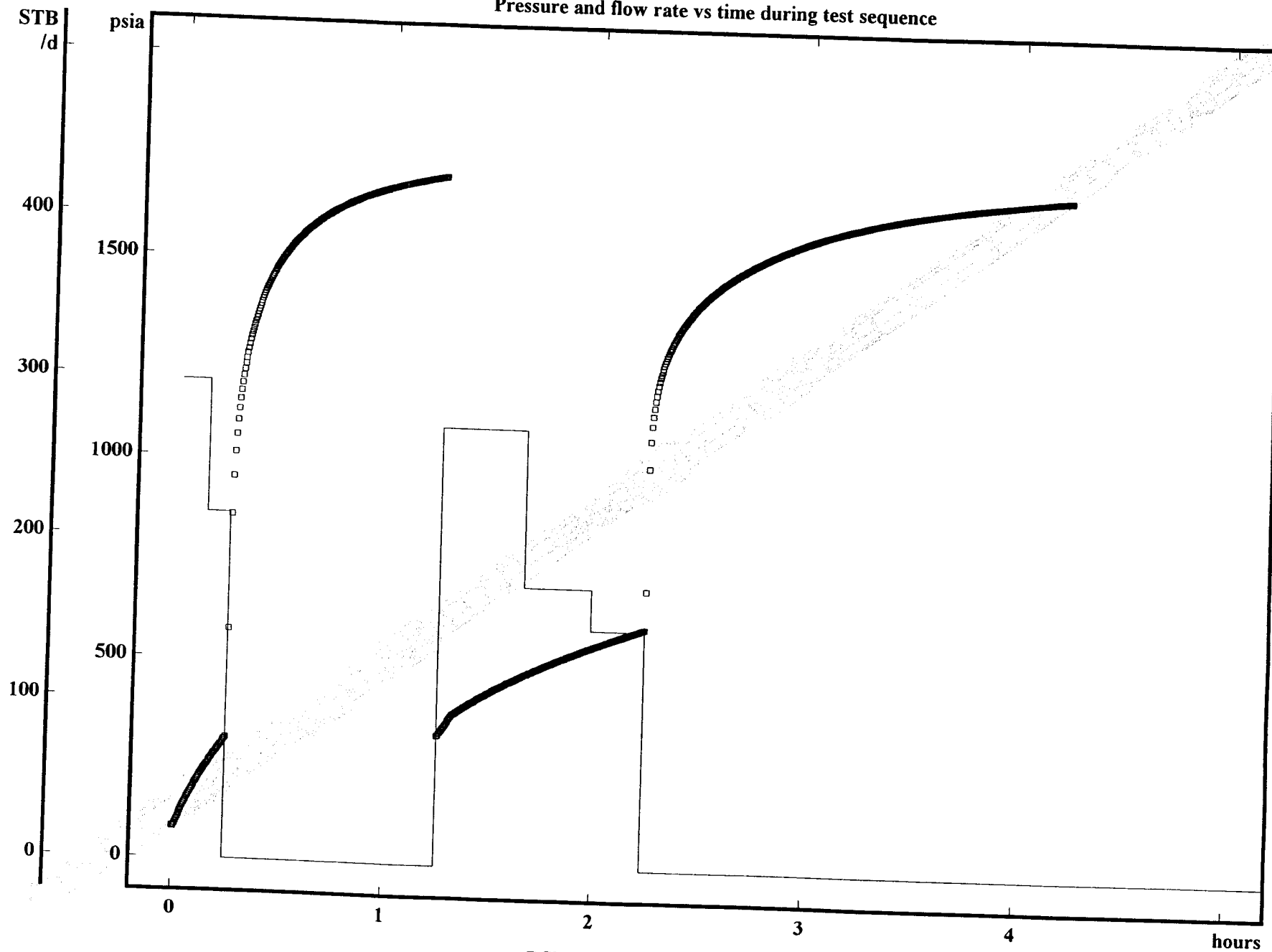
Porosity	0.12 frac	Formation thickness	23 ft
Wellbore radius	0.36458 ft	Prod-observer distance	N/A
Water-Oil Contact	UNKNOWN	Gas-Oil Contact	N/A
Gas-Water Contact	N/A	Rock compressibility	
Reservoir temperature	105 deg F	Pressure for properties	1810 psia

Comments

THE DERIVATIVES INDICATE A HETEROGENEOUS RESERVOIR WITH LOW PERMEABILITY AND NO (NEGATIVE) SKIN. THE DIP OF DERTIVATIVE CURVE IN MID TIME DATA ON BOTH SHUT-IN PERIODS IS INDICATIVE OF DUAL POROSITY RESPONSE (FRACTURED / VUGULAR POROSITY). A REGRESSION MODEL ANALYSIS WAS PERFORMED TO BETTER DETERMINE FORMATION PARAMETERS & IS REPRESENTED BY A SOLID LINE PLOTTED OVER THE ACTUAL DATA WITH CONFIDENCE INTERVALS (MARGIN OF ERROR) SHOWN NEXT TO MAJOR PARAMETERS. THE FIXED PARAMETERS USED WERE AN EST. 12% POROSITY, 23 FT. OF NET PAY REPORTED & AVERAGE (TIME WEIGHTED) PRODUCTION OF 207 BBLs. OF SULPHUR WATER FOR THE FINAL FLOW PERIOD. THE RATES WERE BASED ON DENSITY OF FLUID RECOVERED VS. FLOWING PRESSURES. THE TOTAL RADIUS OF INVESTIGATION CALCULATED TO APPROX. 49 FT. FROM THE WELLBORE.

PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

Pressure and flow rate vs time during test sequence

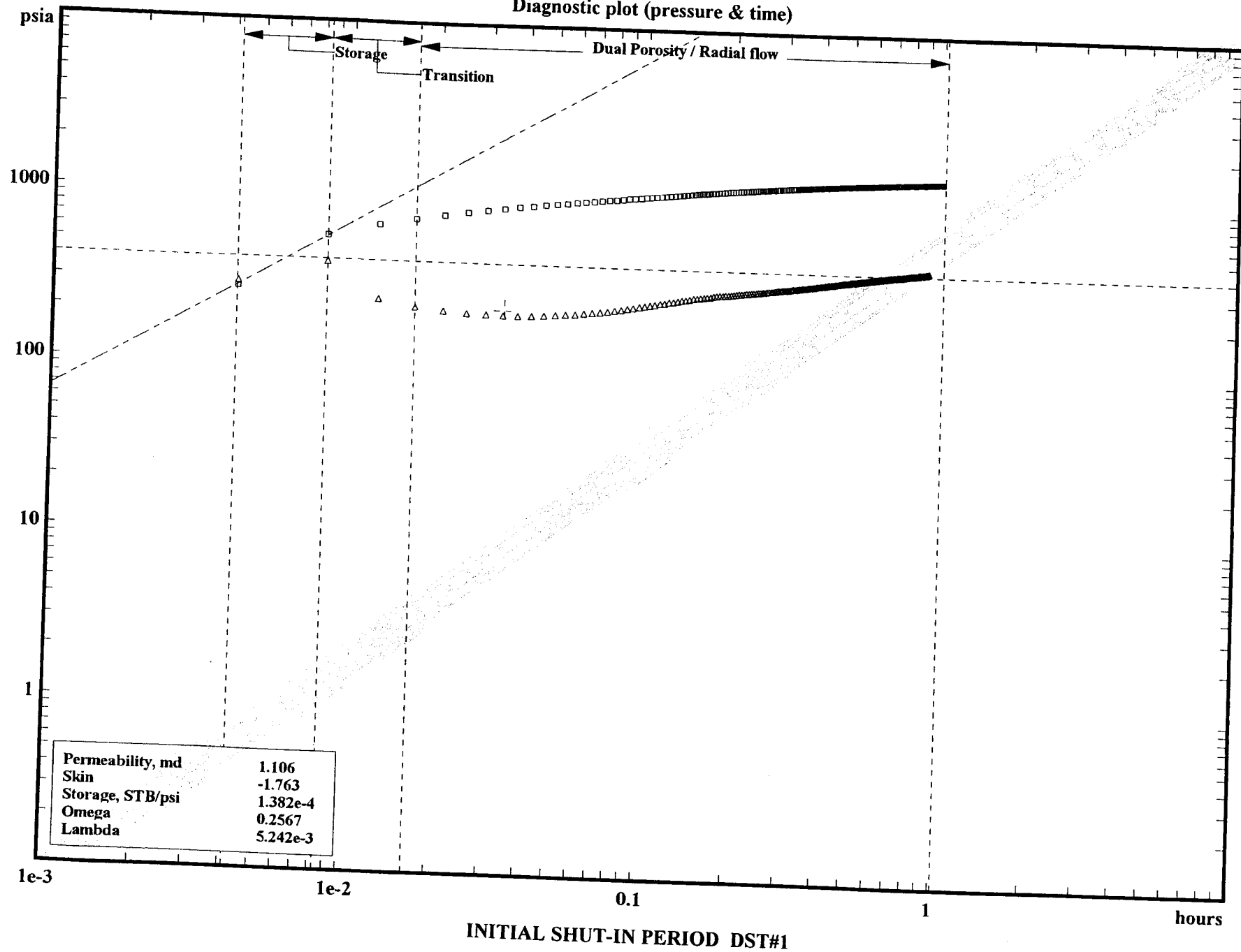


DST #1 5790 - 5865 FT.; PADDOCK



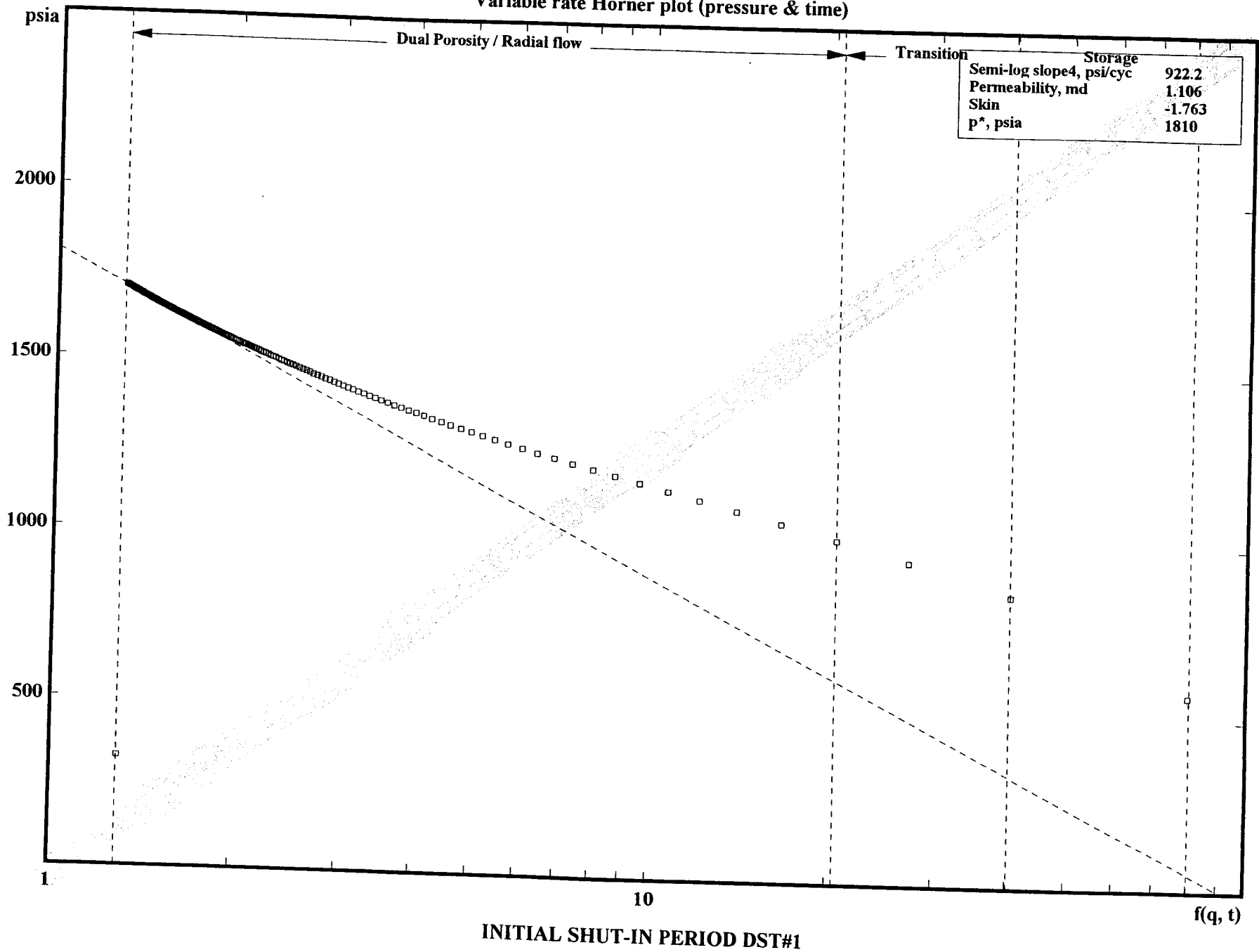
PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

Diagnostic plot (pressure & time)



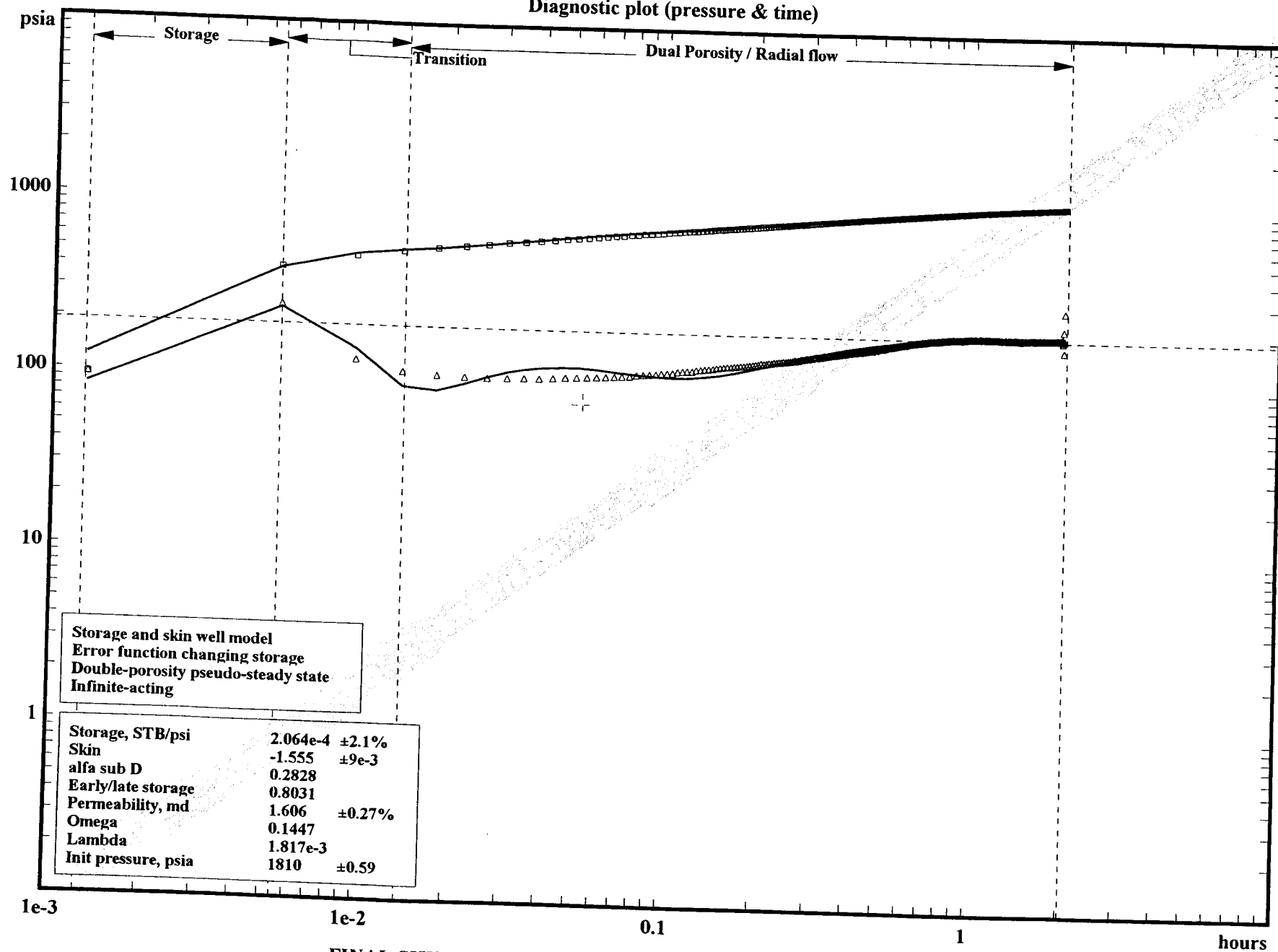
PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

Variable rate Horner plot (pressure & time)



PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

Diagnostic plot (pressure & time)



Storage and skin well model
Error function changing storage
Double-porosity pseudo-steady state
Infinite-acting

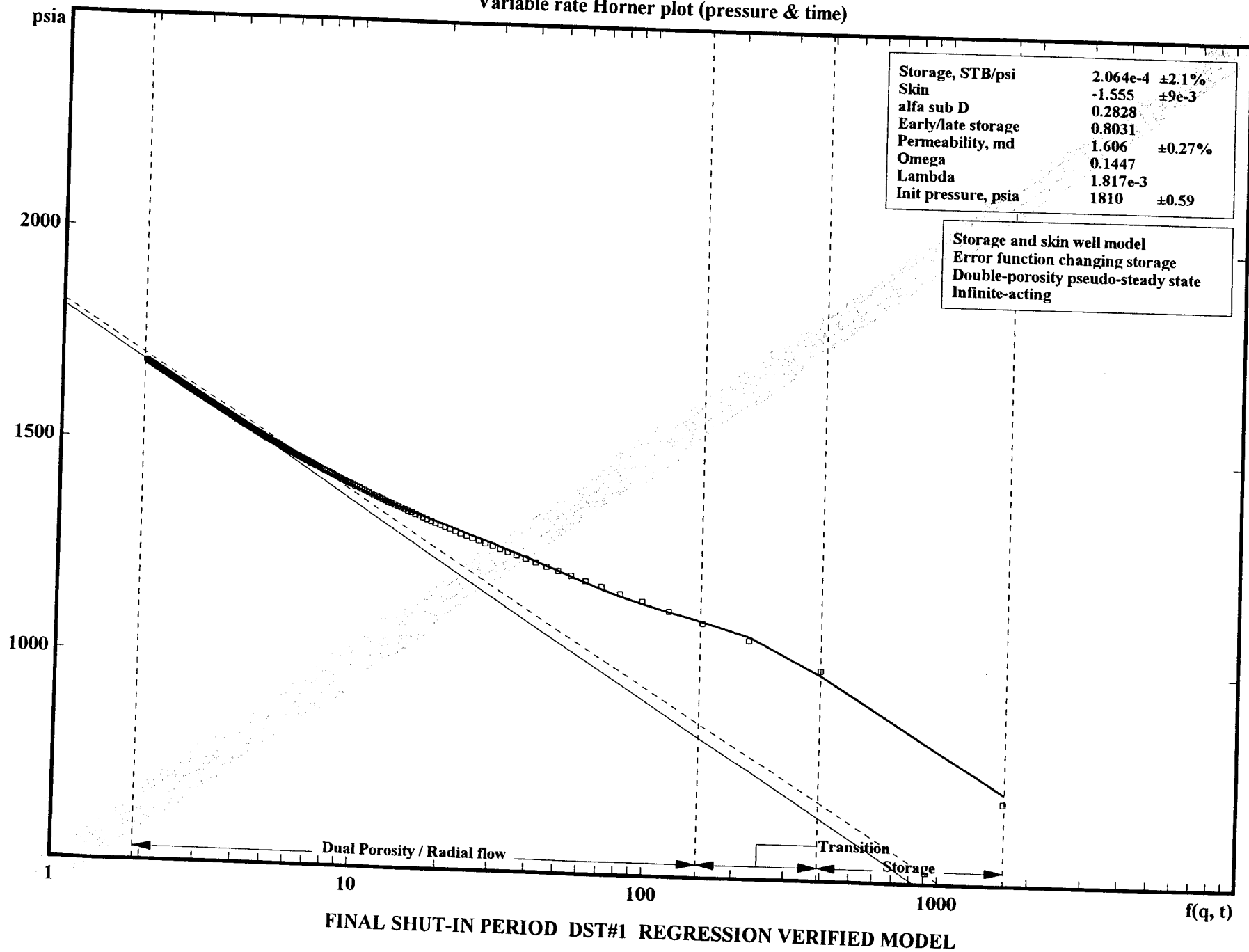
Storage, STB/psi	2.064e-4	±2.1%
Skin	-1.555	±9e-3
alfa sub D	0.2828	
Early/late storage	0.8031	
Permeability, md	1.606	±0.27%
Omega	0.1447	
Lambda	1.817e-3	
Init pressure, psia	1810	±0.59

FINAL SHUT-IN PERIOD DST#1 REGRESSION VERIFIED MODEL



PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

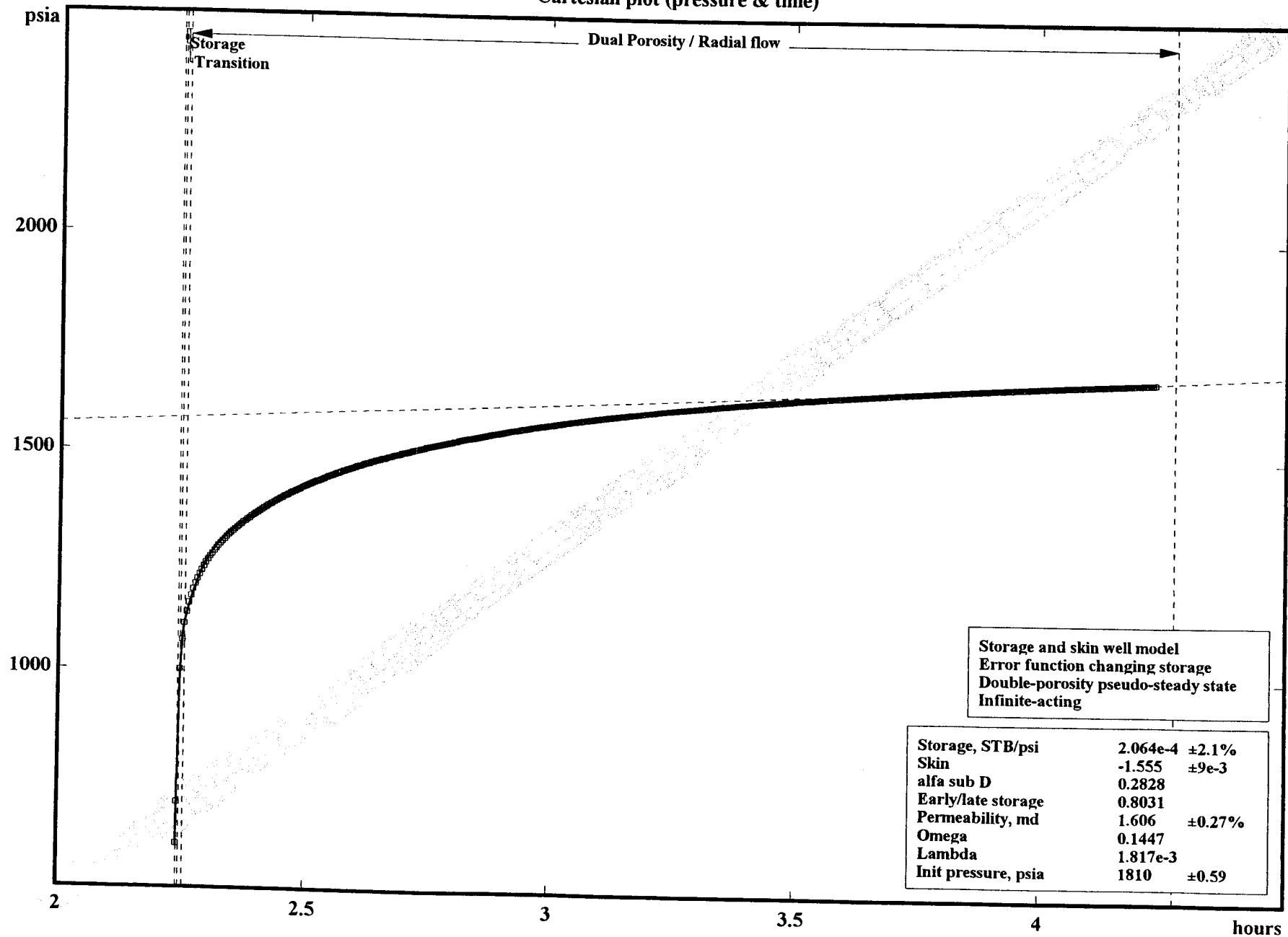
Variable rate Horner plot (pressure & time)



RIG
TESTERS, INC.

PATTERSON PETROLEUM L.P. COOPER "24" FEDERAL COM #1

Cartesian plot (pressure & time)



FINAL SHUT-IN PERIOD DST#1 REGRESSION VERIFIED MODEL

