

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. 30-025-38277 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No. 36309																
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____ b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF WELL OVER BACK RESVR. ☐ OTHER		7. Lease Name or Unit Agreement Name AMBROSE 36 STATE COM																
2. Name of Operator CML EXPLORATION, LLC		8. Well No. 1																
3. Address of Operator P.O. BOX 890 SNYDER, TX 79550		9. Pool name or Wildcat WILDCAT, MORROW																
4. Well Location Unit Letter <u>G</u> <u>1650</u> Feet From The <u>NORTH</u> Line and <u>1650</u> Feet From The <u>EAST</u> Section <u>36</u> Township <u>17S</u> Range <u>32E</u> NMPM County <u>LEA</u>																		
10. Date Spudded 06/02/07	11. Date T.D. Reached 08/05/07	12. Date Compl. (Ready to Prod.) TA																
13. Elevations (DF& RKB, RT, GR, etc.) 3970'		14. Elev. Casinghead																
15. Total Depth 13,740'	16. Plug Back T.D. 5878'	17. If Multiple Compl. How Many Zones?																
18. Intervals Drilled By		19. Producing Interval(s), of this completion - Top, Bottom, Name 4919 - 5063' Delaware																
20. Was Directional Survey Made YES		21. Type Electric and Other Logs Run CNL/DL/GR/XMAC																
22. Was Well Cored YES																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET																
13-3/8"	48#	425'																
9-5/8"	40#	1750'																
5-1/2"	17#	5943'																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">24. LINER RECORD</th> <th colspan="2">25. TUBING RECORD</th> </tr> <tr> <th>SIZE</th> <th>TOP</th> <th>SIZE</th> <th>DEPTH SET</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			24. LINER RECORD		25. TUBING RECORD		SIZE	TOP	SIZE	DEPTH SET								
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SIZE	TOP	SIZE	DEPTH SET															
26. Perforation record (interval, size, and number) 5028' - 5063' - 3 spf 4919' - 4946' - 3 spf		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>5028-63'</td> <td>2000 gals 10% NeFe acid</td> </tr> <tr> <td>5028-63'</td> <td>17,000 gals gel & 40,000# 16/30 sand</td> </tr> <tr> <td>4919-46'</td> <td>2000 gals 10% NeFe Acid</td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	5028-63'	2000 gals 10% NeFe acid	5028-63'	17,000 gals gel & 40,000# 16/30 sand	4919-46'	2000 gals 10% NeFe Acid								
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4919-46'	2000 gals 10% NeFe Acid																	
28. PRODUCTION																		
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) TA																
Date of Test		Hours Tested																
Choke Size		Prod'n For Test Period																
Oil - Bbl		Gas - MCF																
Water - Bbl.		Gas - Oil Ratio																
Flow Tubing Press		Casing Pressure																
Calculated 24-Hour Rate		Oil - Bbl.																
Gas - MCF		Water - Bbl.																
Oil Gravity - API - (Corr.)																		
29. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By																
30. List Attachments Logs, Deviation, DST, Directional survey, Core data																		
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief																		
Signature		Printed Name Nolan von Roeder Title Engineer Date 12/07/07																
E-mail Address vonroedern@cmlexp.com																		

11

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No. 3, from.....to.....
No. 4, from.....to.....

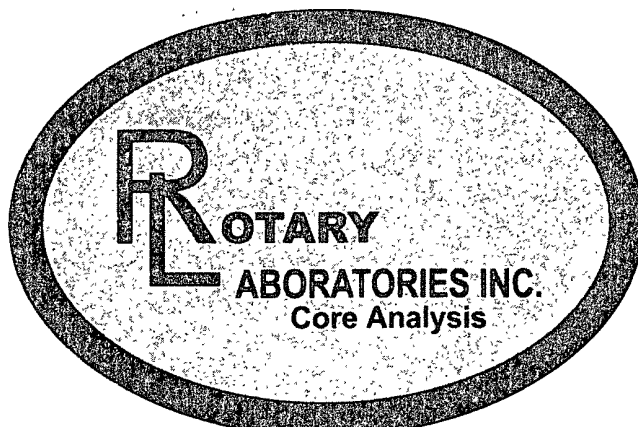
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1



CORE ANALYSIS PROCEDURES

FOR

PATTERSON PETROLEUM, LLC

AMBROSE '36' STATE COM # 1

LEA COUNTY, NEW MEXICO

The Rotary Sidewalls were delivered to Rotary Laboratories, Inc.

Gases from the Sidewalls were measured by Hot Wire Chromatography and reported in Gas Units.

A brief Lithological Description of the Sidewalls was recorded.

A description of the Fluorescence of the Sidewalls was recorded.

Ultraviolet Light Photographs were taken of the Sidewalls for a permanent record.

Natural Light Photographs were taken of the Sidewalls for a permanent record.

Composite Photographs of the Sidewall End Trims were taken under Natural and Ultraviolet Light.

The Sidewalls were extracted utilizing the Dean Stark method.

The fluids were measured by the Dean Stark method.

Porosities were measured in a Boyle's Law Porosimeter utilizing Helium.

Permeabilities were measured in a Hassler Sleeve Permeameter utilizing Nitrogen at 300 psi confining pressure.

Test samples of a known permeability were measured before and after the Sidewall permeabilities were measured.

ROTARY SIDEWALL CORE ANALYSIS

PATTERSON PETROLEUM, LLC
AMBROSE '36' STATE COM # 1
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER :
FIELD : Wildcat (Morrow)
LOCATION:

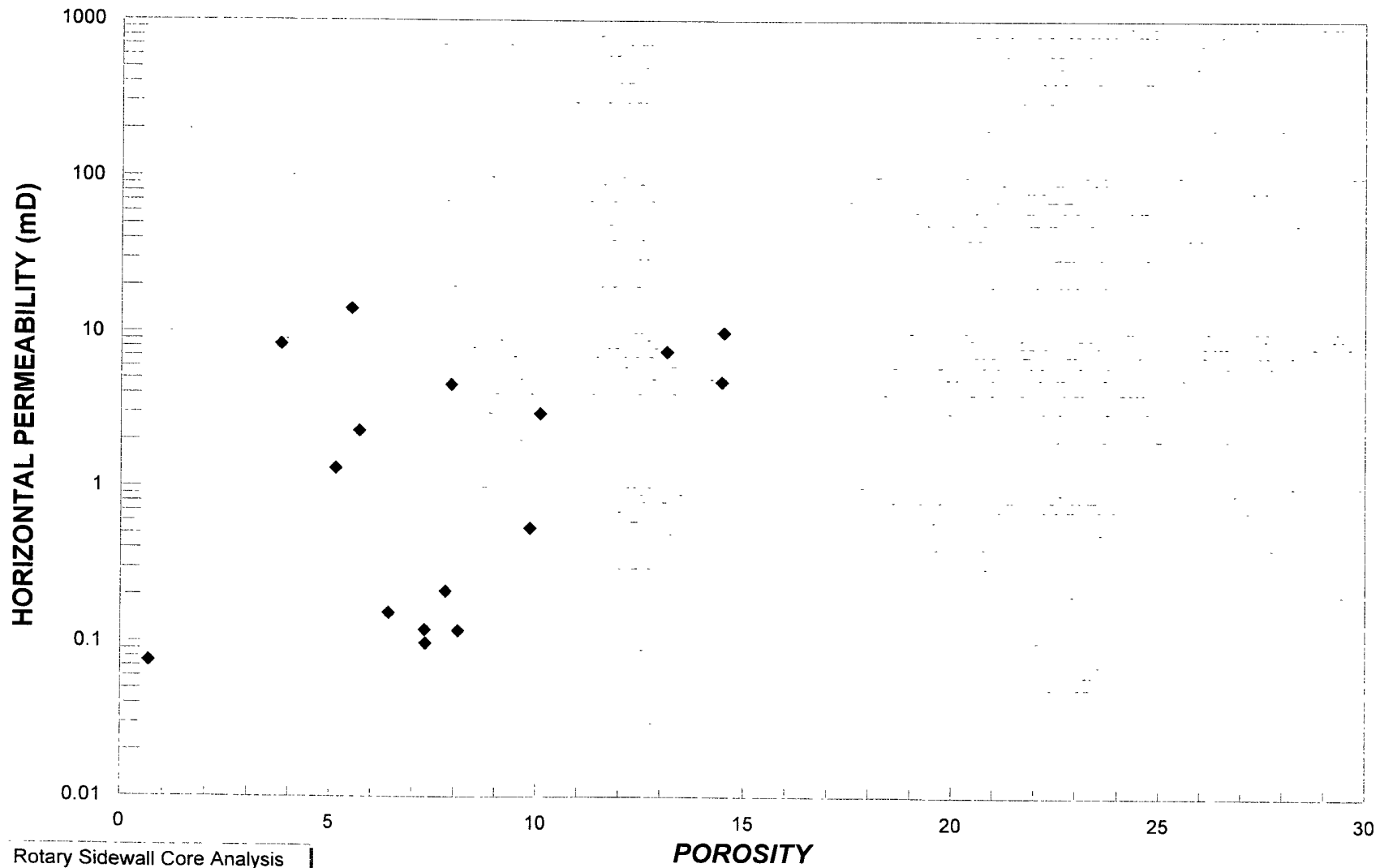
FILE NO. : 070806-1
DATE : August 7, 2007
ANALYSTS : WH, SB, PK, JR

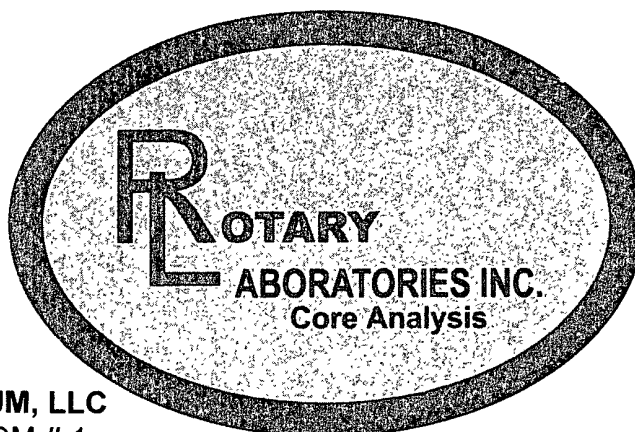
DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POROSITY %	PERM mD	SATURATIONS Sw	So	GAS UNITS	FLUORESCENCE %	LITHOLOGY
1	4,935.0	2.63	14.5	4.791	62.5	18.0	87	90	Br t yl-grn-bl Ss opaq-tn-brn vf-fgr sbrnd-sbang ssly tr pyr
2	4,942.0	2.65	9.9	0.541	44.1	16.7	154	80	Br t yl-grn-bl Ss opaq-tn-brn vf-fgr sbrnd-sbang ssly tr pyr
3	4,955.0	2.70	7.3	0.120	84.8	Tr	12	Tr	Br t yl-grn-bl Ss opaq-tn vf-fgr sbrnd-sbang ssly tr pyr
4	4,958.0	2.69	8.1	0.118	88.1	0.0	0	0	DI mf Ss opaq-tn vf-fgr sbrnd-sbang ssly tr pyr
5	4,968.0	2.68	7.3	0.098	81.4	0.0	2	0	DI mf Ss opaq-tn-brn mott vf-fgr sbrnd-sbang ssly tr pyr
6	5,034.0	2.66	13.2	7.527	67.9	16.8	7	70	Yl-grn-wht Ss opaq-tn-brn mott vf-fgr sbrnd-sbang ssly scalc pyr
7	5,042.0	2.65	14.5	10.001	68.5	19.2	12	80	Yl-grn-wht Ss opaq-tn-brn mott vf-fgr sbrnd-sbang ssly scalc pyr
8	8,477.0	2.82	9.2	tbfa	23.0	13.3	116	80	DI yl-gld-brn Dol tn-brn ssly sdy sc ppp sc foss frac
9	8,485.0	2.83	8.0	4.555	14.1	7.0	271	70	DI yl-gld-brn Dol tn-brn ssly sdy sc ppp sc foss frac
10	8,624.0	2.75	0.5	0.010	74.6	0.0	6	0	Dol brn-dk brn lam dns slty tr pyr
11	8,688.0	2.83	5.7	2.279	10.4	9.1	203	40	Br t yl Dol tn-brn mod-ssly anhyd sc ppp-sml vug frac
12	8,694.0	2.84	3.8	8.322	28.4	9.4	45	20	Br t yl Dol tn-brn ssly sc ppp-sml vug tr anhy sc foss frac
13	8,865.0	2.84	6.4	0.153	14.0	11.4	337	80	Br t yl-dl yl Dol tn-brn ssly sc ppp-sml vug tr anhy
14	9,823.0	2.76	10.1	2.975	41.6	12.5	99	40	DI yl-gld Dol tn-brn mod-ssly sdy sc ppp-sml vug tr anhy
15	9,836.0	2.68	7.8	0.211	83.9	0.0	5	0	Dol tn-brn slty sil sc foss sc Cht nod frac
16	10,996.0	2.61	0.7	0.075	21.4	0.0	4	0	Cht dk brn-blk dns scalc tr pyr
17	13,500.0	2.66	5.5	14.223	52.9	0.0	3	0	Ss opaq-gy-tn vf-crsgr rnd-ang ssly scalc
18	13,501.0	2.66	5.1	1.309	48.7	0.0	32	0	Ss opaq-gy-tn vf-crsgr rnd-ang ssly scalc



PATTERSON PETROLEUM, LLC
AMBROSE '36' STATE COM # 1





PATTERSON PETROLEUM, LLC
 AMBROSE '36' STATE COM # 1
 08/08/2007

QUALITY CONTROL RERUN DATA

Sample No.	GRAIN DENSITY		POROSITY		<i>k</i> standard Test Sample	PERMEABILITY	
	original	reruns	original	reruns		original	reruns
1	2.630	2.630	14.48	14.49			
2	2.654	2.656	9.85	9.90	2.611	0.541	0.530
4	2.689	2.690	8.12	8.15			
6	2.658	2.656	13.16	13.10		7.527	7.542
10	2.752	2.753	0.48	0.52		0.010	0.009
14	2.758	2.759	10.10	10.12			
17	2.655	2.656	5.52	5.53	2.614	14.223	14.284
18	2.658	2.658	5.14	5.12			

LITHOLOGICAL ABBREVIATIONS

Anhydrite (-ic)	anhy, anhyd	Filled	fd	Poor	pr
Anhydrite inclusion	A/I	Fine (-ly)	f, fnly	Pyrite	pyr
Bentonite (-ic)	bent	Fluorescence	flu	Quartz (-itic)	qtz
Black (-ish)	blk, blksh	Fossil (-iferous)	foss	Red (ish)	rd, rdsh
Bleeding Oil	B/O	Fracture	frac	Round	rnd
Brecciated	brec	Fragments	frag	Residual Oil	So
Bright	brt	Friable	fri	Residual Water	Sw
Brittle	brit	Fusulinid	fus	Sample	Spl
Broken	brkn	Gilsonite	gil	Sandstone	Ss
Brown	brn	Gold	gld	Sandy	sdly
Buff	bf	Good	gd	Scattered	sc
Calcite (-ic)	calc, calctc	Grain (-s)	gr	Shaley	shy
Calcareous	calc	Granular	gran	Shale	sh
Carbonaceous	carb	Gray	gy	Shale parting	s/p
Cement	cmt	Green	grn	Silt (-y)	slt, slty
Chalk (-y)	chk, chky	Gypsum	gyp	Siliceous	sil
Chert	cht	Hair line(frac)	hl	Slight (-ly)	sli, s
Clay	cl	Halite	hal	Small	sml
Clear	clr	Inclusion	incl	Spotted (-y)	sp
Coal	c	Laminations (ated)	lam	Stringer	strgr
Coarse	crs	Large	lrg	Stylolite (-itic)	sty, styl
Conglomerate	cgl	Light	lt	Sucrosic	suc
Consolidated	consol	Limestone	ls	Sulphur	su
Contaminated	contam	Limey	lmy	Tan	tn
Crinoid (-al)	crin, crinal	Lithology	lith	Too broken	tbfa
Cross-bedded	x-bd	Medium	m	(for Analysis)	
Crystal (-line)	Xl, xln	Mineral Fluorescence	mf	Thin	thn
Dark	dk	Moderate	mod	Trace	Tr
Dense	dns	Mudcake	m/c	Very	v
Diameter	dia	No Show	N/S	Vertical	vert, vt
Dolomite (ic)	dol, dolm	Oolite (-itic)	ool	Vug (-gy)	vug
Dull	dl	Pale	pl	Well	wl
Faint	fnt	Permeability	Perm, K	White	wht
Fair	fr	Pin-Point Porosity	ppp	Yellow	yl



Schlumberger

TESTING SERVICES REPORT

Report Number

11816132

Test Date

09-Aug-07

Report Date

10-Aug-07

Patterson Petroleum

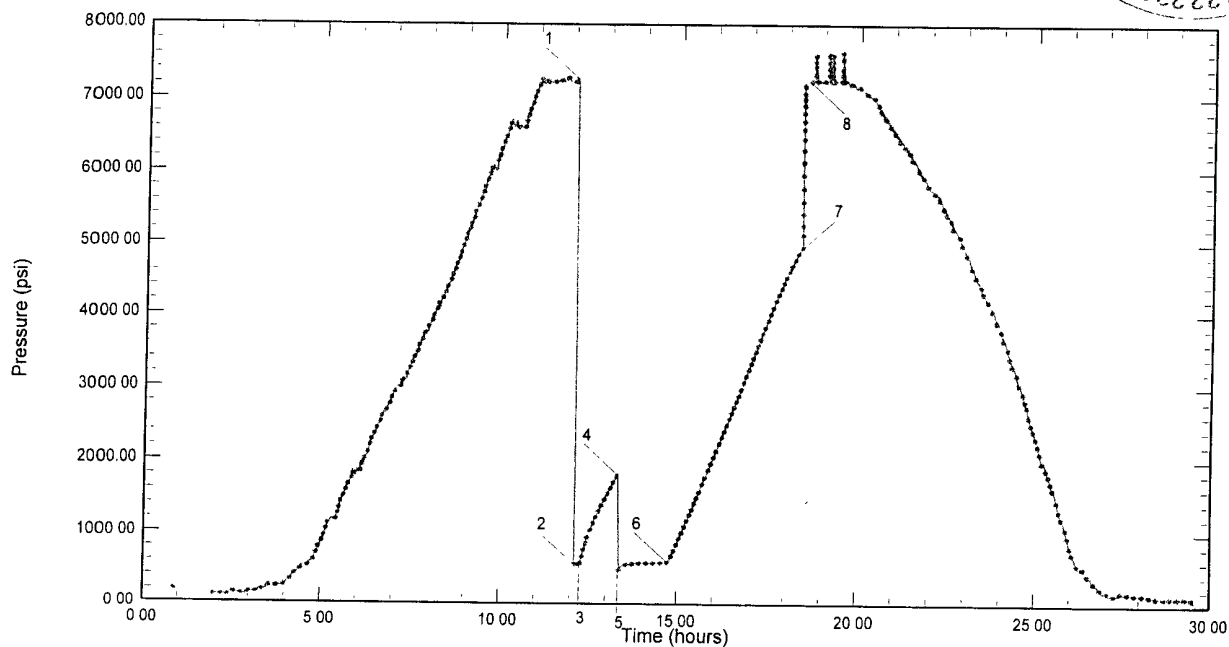
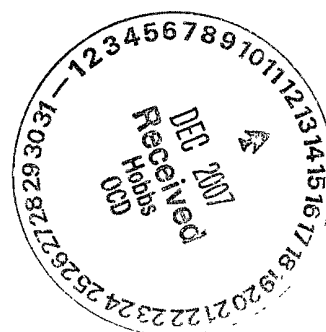
8 3/4 DST

Ambrose 36 State Com - 1

Wildcat

Rig : Patterson 46

Lea - NM



Report Contents

Job Summary, Comments Page, Sequence of Events, Label Point Information, Plots, Summary Data Printout, Distribution

Schlumberger Testing Services

2001 Commerce, Midland, Texas

Schlumberger**Sample Chamber Data
Patterson Petroleum
8 3/4 DST****Ambrose 36 State Com 1
Wildcat****11816132
09-Aug-07****Sample Chamber Capacity (cc) 2500cc****Measured Fluid Recovery**

		<u>Temp (F)</u>	<u>Press (psia)</u>
Oil (cc)	API Gravity	104	345.0
Water (cc)	Res. (ohms) ...	104	345.0
Mud (cc) 2500	Res. (ohms) ...		
Total Liquid Recovery (cc) 2500			
Gas (ft3)		104	345.0

Corrected Sample Chamber Gas Recovery

Bottomhole Temperature (F) 175 F	Assumed SC Gas Gravity	0.650
Final Flowing Pressure (psia) 466	Est Z Value @ Pwf and Tres	#NAME?
Corrected Gas Recovery (scf) #VALUE!		

Sample Chamber Fluid Ratios

Sample Chamber Water Cut
GOR Using Corrected Gas Recovery #VALUE!
GLR Using Corrected Gas Recovery #VALUE!

Pipe Recovery

<u>Description</u>	<u>Recovery feet</u>	<u>Pipe ID (in)</u>	<u>Recovery bbl</u>	<u>Oil Density API</u>	<u>RES ohm</u>	<u>CHL ppm</u>
Sample chamber						103k@104 F
Water Cushion	380	3.875	5.54	@ 102 F	@ 102 F	18k @ 102 F
Gas Cut Mud	712	2.8125	5.47	@ 102 F	@ 102 F	67k @ 102 F

Schlumberger

Job Summary
Patterson Petroleum
8 3/4 DST

Ambrose 36 State Com 1
WildcatService Order Number : **11816132**
Test Date : **09-Aug-07**

Company Rep Rick Albin

SWS Rep Joel Roach

Test Information

Test Number Two

Formation Morrow

Interval (MD ft) 266'

Well Location

Well..... Ambrose 36 State Com 1

Rig..... Patterson 46

Field..... Wildcat

State Lea - NM

Wellbore Configuration

Total Depth (MD/TVD ft) 13740'

Wellbore Radius (ft)

Casing / Liner ID (in) 9.625"

Mud Weight (lb/gal) 10.1

Top of Liner (md- ft) 4810'

Mud Type Sand Flow/Starch

Test String Configuration

Pipe Length (ft) / ID (in) 12714.08

Gauge Depth (MD) 13740

Pipe Length (ft) / ID (in)

Gauge Depth (TVD) 13740

Drill Collar Length (ft) / ID (in) 938.31/3.875

Test Valve Type Multi-Flow Evaluator

Packer Depths (ft MD) / 13475.20'/2.8125

Test Valve Depth (ft) (MD) 13449.47'

Key Information

Initial Hydrostatic Pressure 7258

Final Shut In Pressure 4923

Init. Hyd Grad & Density 0.528 psi/ft / 10.16 lb/gal

Final Shut In Grad & Density 0.358 psi/ft / 6.89 lb/gal

Final Hydrostatic Pressure 7236

Final Flowing Pressure 466

Final Hyd Grad & Density 0.527 psi/ft / 10.13 lb/gal

Final Flow Rate ()

Bottom Hole Temp..... 175 F

Productivity Index ()

Job Description / Services Requested

This was a successful bottom hole DST of the Morrow. Sample chamber held 2500 cc of gas cut mud chlorides 13000 at 104 f. Also a gas sample was collected. Initial flow show to gain slowly and final flow was about the same with slightly higher pressures. we never had gas to surface. tools operated properly and electronic guages also. Thank you for chossing Schlumberger. For further questions call 432-689-2001 Joel Roach

Schlumberger Crew

Ambrose 36 State Com 1

11816132

Wildcat

09-Aug-07

Sample Chamber Capacity (cc) 2500cc

Measured Fluid Recovery

		Temp (F)	Press (psia)
Oil (cc)	API Gravity	104	345.0
Water (cc)	Res. (ohms) ...	104	345.0
Mud (cc) 2500	Res. (ohms) ...		
Total Liquid Recovery (cc) 2500			
Gas (ft3)		104	345.0

Corrected Sample Chamber Gas Recovery

Bottomhole Temperature (F) 175 F

Assumed SC Gas Gravity 0.650

Final Flowing Pressure (psia) 466

Est Z Value @ Pwf and Tres #NAME?

Corrected Gas Recovery (scf) #VALUE!

Sample Chamber Fluid Ratios

Sample Chamber Water Cut

GOR Using Corrected Gas Recovery #VALUE!

GLR Using Corrected Gas Recovery #VALUE!

Pipe Recovery

Description	Recovery feet	Pipe ID (in)	Recovery bbl	Oil Density API	RES ohm	CHL ppm
Sample chamber						103k@104 F
Water Cushion	380	3.875	5.54	@ 102 F	@ 102 F	18k @ 102 F
Gas Cut Mud	712	2.8125	5.47	@ 102 F	@ 102 F	67k @ 102 F

Schlumberger

Data Plots
Patterson Petroleum
8 3/4 DST

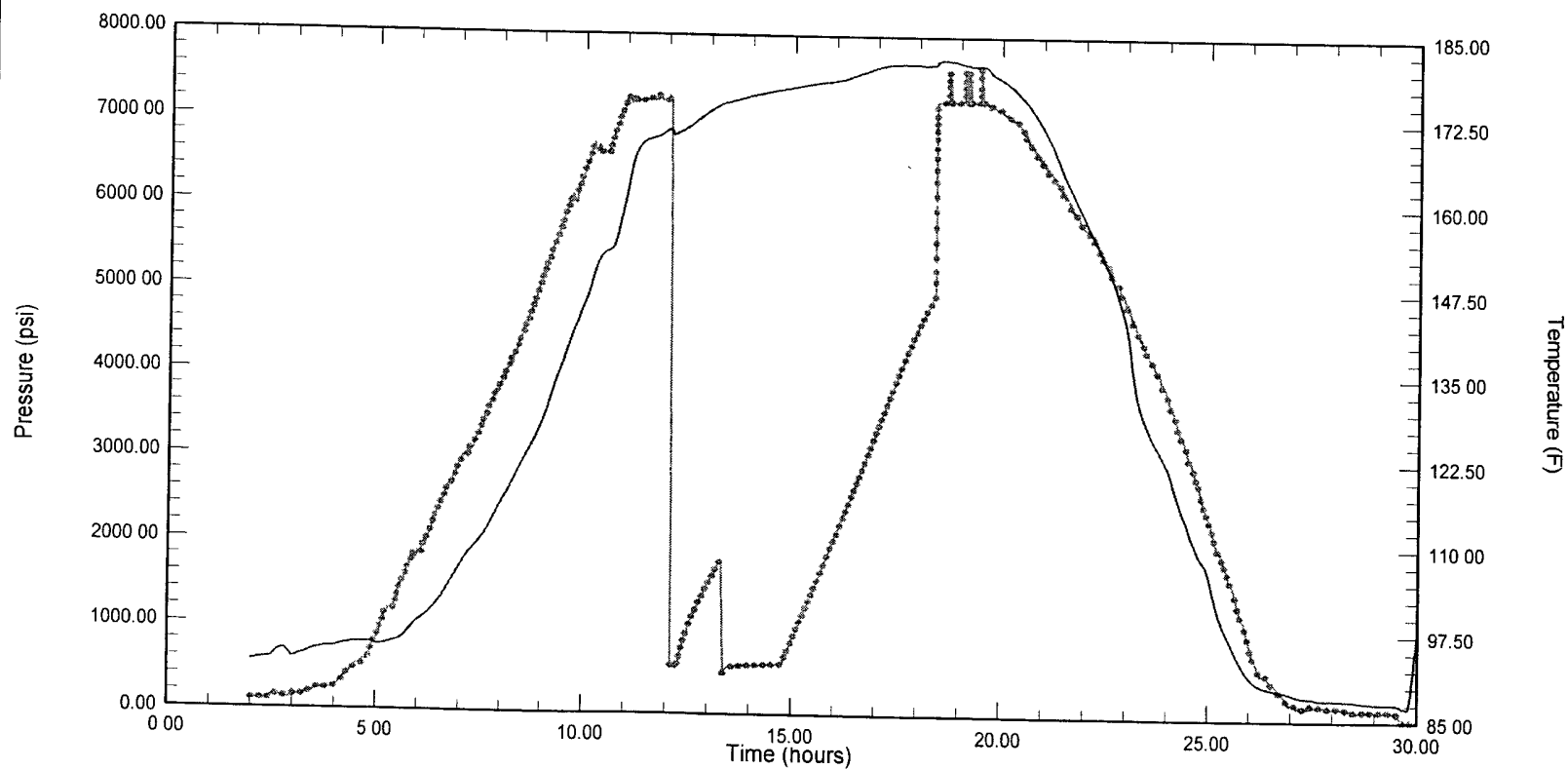
Ambrose 36 State Com 1

Wildcat

11816132

09-Aug-07

Bottomhole Pressure and Temperature Log



Gauge Depth : 13740 ft TVD - 13740 ft MD

Gauge ID : slsr1390

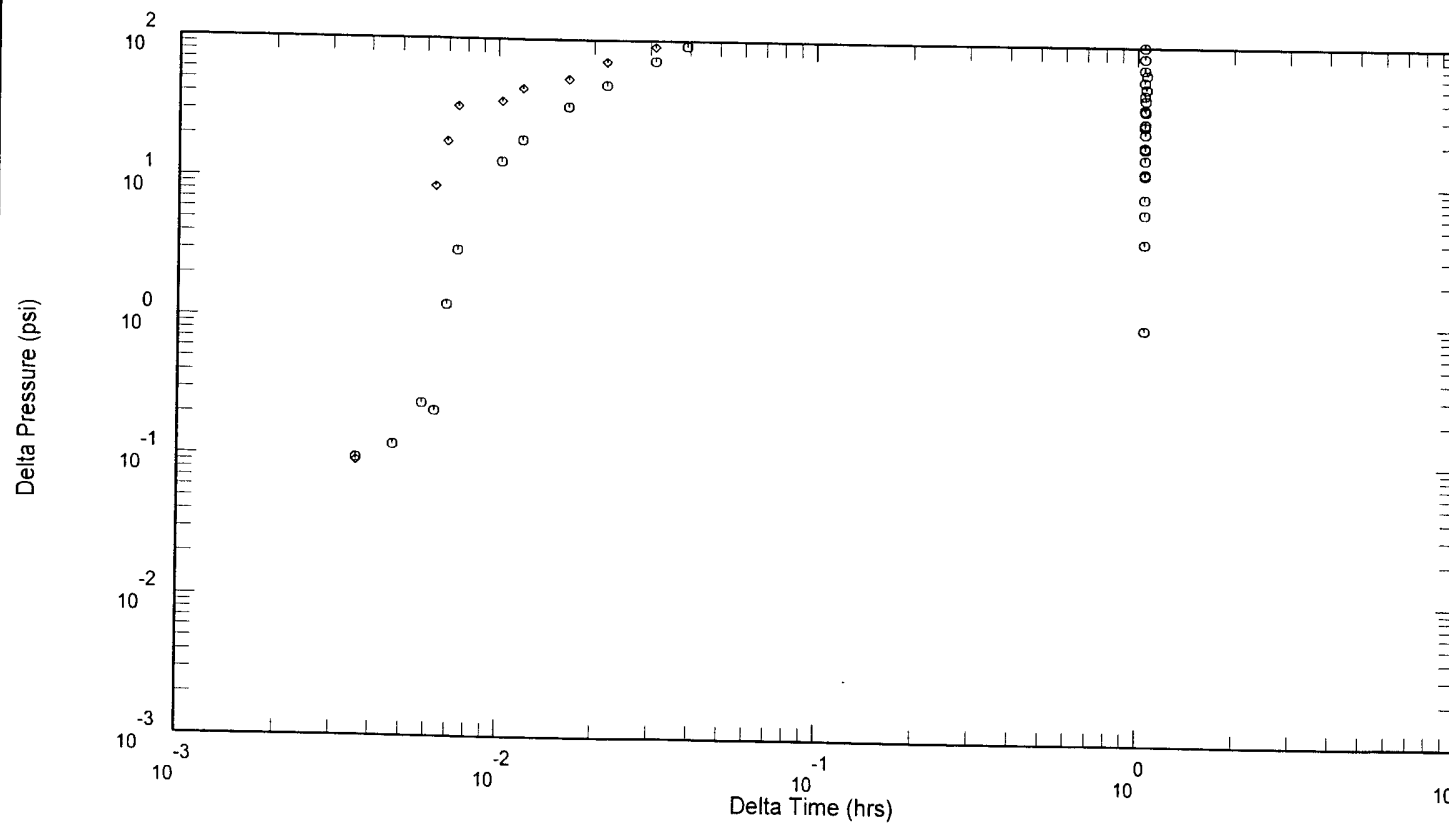
Ambrose 36 State Com 1

11816132

Wildcat

09-Aug-07

Log-log Plot - Initial Shutin Period



Gauge Depth : 13740 ft TVD - 13740 ft MD

Gauge ID : slsr1390

Schlumberger

Quicklook Plots
Patterson Petroleum
8 3/4 DST

Ambrose 36 State Com 1

11816132

Wildcat

09-Aug-07

Semi-log Plot - Initial Shutin Period

Gauge Depth : 13740 ft TVD - 13740 ft MD

Gauge ID : slsr1390

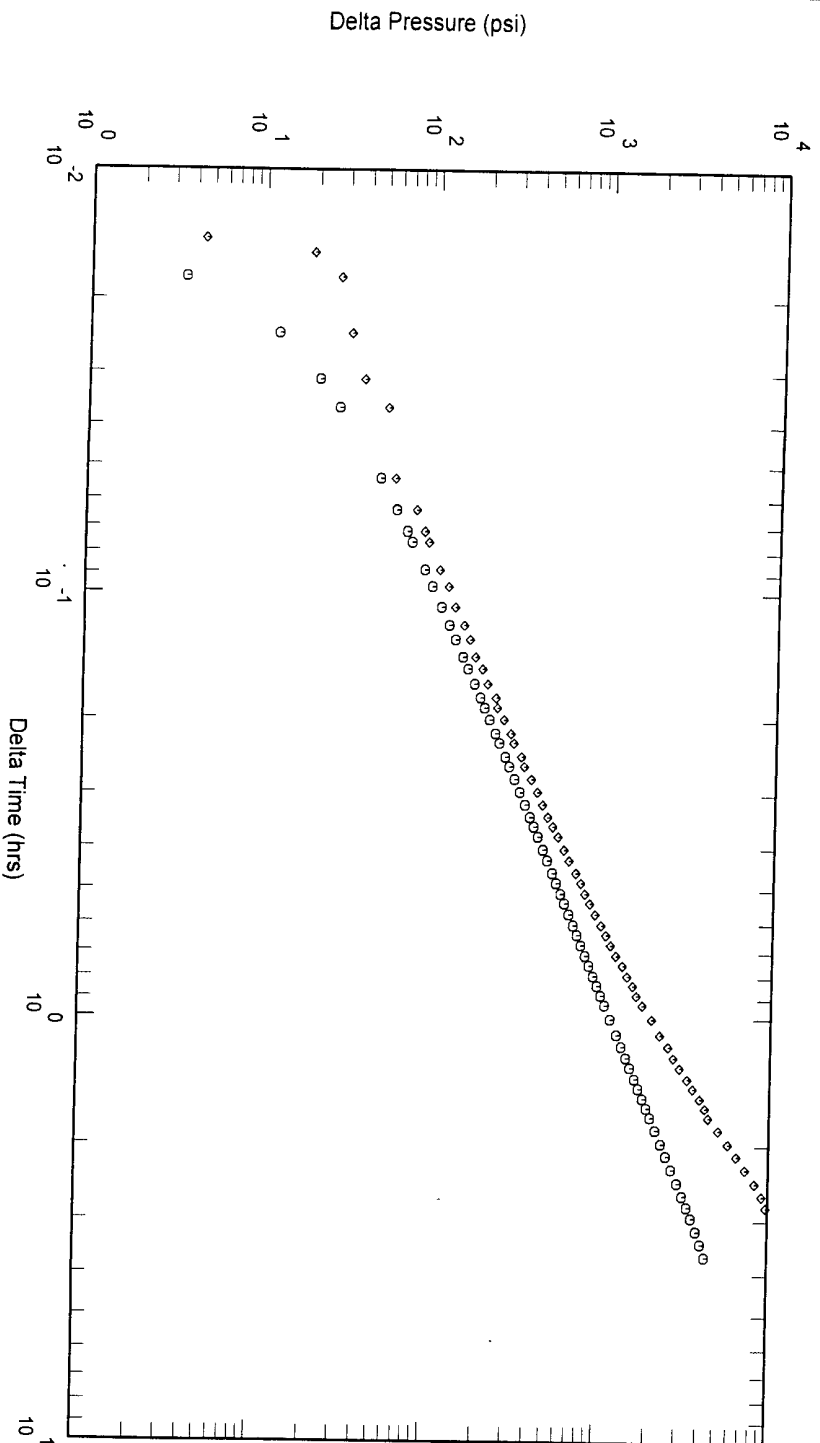
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Quicklook Plots
Patterson Petroleum
8 3/4 DST

Ambrose 36 State Com 1
Wildcat

11816132
09-Aug-07

Log-log Plot - Second Shutin Period



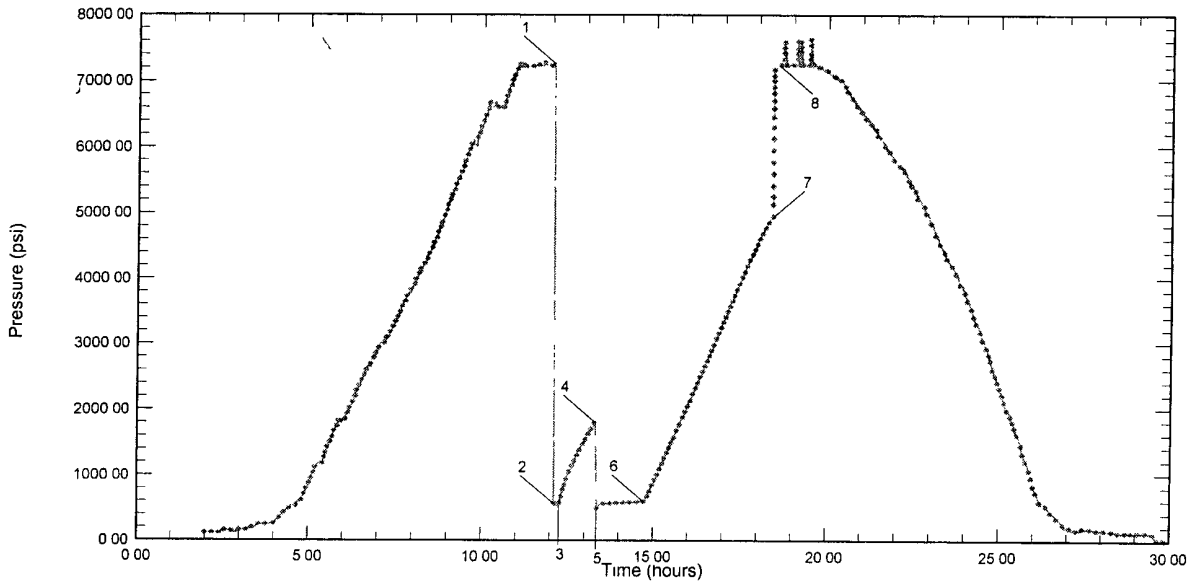
Gauge Depth : 13740 ft TVD - 13740 ft MD
Gauge ID : slsr1390

Schlumberger

Label Point Data Patterson Petroleum 8 3/4 DST

Ambrose 36 State Com 1
Wildcat

11816132
09-Aug-07



Label Point / Comments	Date (dd-mmm-yy)	Time (hh:mm:ss)	Gauge ET (hours)	BHP (psia)	Rate (O)
Label Point Summary					
1) Hydrostatic Pressure	09-Aug-07	20:45:10	12.046	7258.88	0
2) Start Flow	09-Aug-07	20:47:46	12.089	572.82	1
3) End Flow & Start Shut-in	09-Aug-07	20:58:21	12.266	528.17	0
4) End Shut-in	09-Aug-07	22:00:45	13.306	1796.65	0
5) Start Flow	09-Aug-07	22:03:28	13.351	466.81	1
6) End Flow & Start Shut-in	09-Aug-07	23:27:23	14.749	585.35	0
7) End Shut-in	10-Aug-07	3:05:29	18.384	4923.00	0
8) Final Hydrostatic	10-Aug-07	3:16:35	18.569	7235.94	0

Schlumberger			Gauge Data Patterson Petroleum 8 3/4 DST		
Ambrose 36 State Com 1 Wildcat		Gauge Serial # slsr1390		11816132 August 9, 2007	

Date (dd-mm-yy)	Time (hh:mm:ss)	Elapsed Time (hrs)	BHP (psia)	BHT (Deg F)	Comments
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Initial Flow

09-Aug-07	20:47:46	12.08917	572.819	170.22	
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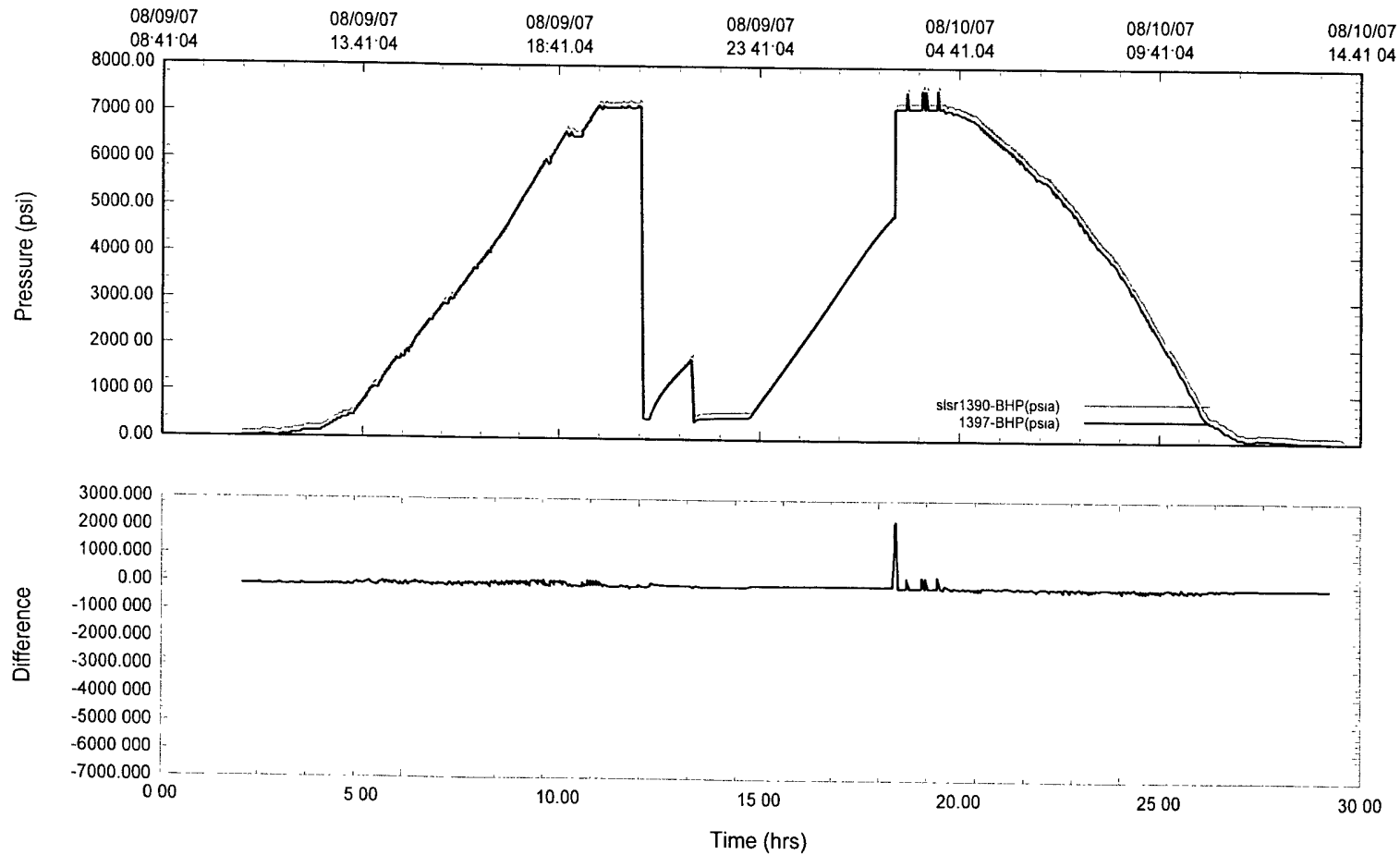
Schlumberger

Gauge Comparison Patterson Petroleum

8 3/4 DST

Ambrose 36 State Com 1
Wildcat

11816132
09-Aug-07





COMPANY : PATTERSON PETROLEUM LP.
LEASE : AMBROSE "36" STATE COM
WELL NO. : # 1
FIELD : WILDCAT (MORROW)
COUNTY/STATE : LEA / NEW MEXICO



TEST DATE : 07/05/07
D.S.T. NO. : 1
TEST TKT. NO. : 24583
INVOICE NO. : 22319
ORDER NO. :

FORMATION : ABO
INTERVAL (ft) : 8688 TO 8721
TOTAL DEPTH (ft) : 8721
ELEVATION (ft) : 3970

HOLE SIZE (in) : 8.750
DRILL PIPE ID (in) : 3.82
DRILL COLLAR ID(in) : 2.25
DRILL COLLAR feet : 920
ANCHOR LENGTH (ft): 33
TOOL LENGTH (ft) : 74
TOOL O.D. (in) : 5
PACKER SIZE (in) : 7.50

RECORDER DATA
AK-1KUSTER / STELLAR

TOP RECORDER: IN
RECORDER NO. : 20234
CAPACITY (psi): 10000
DEPTH (ft) : 8700
CLOCK NO. : 20234
DURATION (hrs): 99

BOTTOM RECORDER: OUT
RECORDER NO. : 13545
CAPACITY (psi): 8100
DEPTH (ft) : 8718
CLOCK NO. : 17908
DURATION (hrs): 24

MUD PROPERTIES

MUD TYPE : CUT BRINE
MUD WT. (#/gal) : 8.90

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

CHLORIDE PPM : 82000
RESISTIVITY(ohm-m): .052

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 : YES
OTHER : YES
STELLAR 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 : 8:15 AM

TOTAL TEST TIME: 326

INITIAL FLOW : 28
SECOND FLOW : 59
THIRD FLOW :

INITIAL SHUT-IN: 59
SECOND SHUT-IN : 180
THIRD SHUT IN :

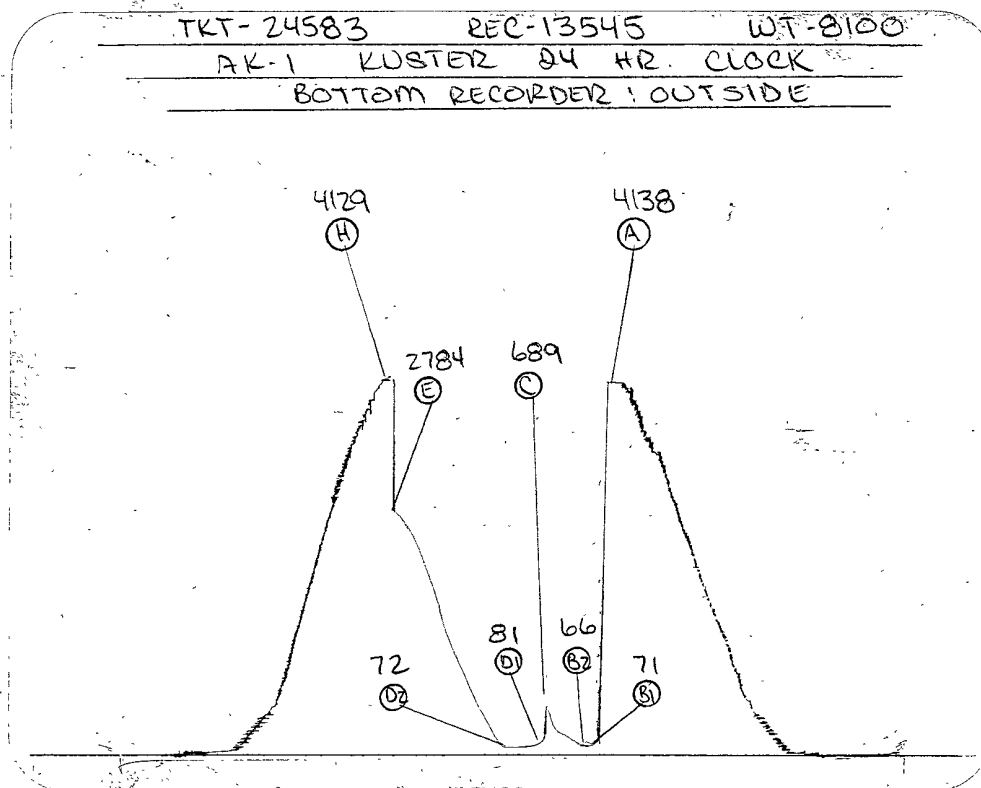
TEST TOOL OPERATOR: JIMMY PIPPINS



PATTERSON PETROLEUM LP.

AMBROSE "36" STATE COM # 1
D.S.T. NO. :1

		CORRECTED READING	FIELD READING
A	INITIAL HYDROSTATIC:	4129 PSI	4129 PSI
B-1	INITIAL FIRST FLOW :	49 PSI	49 PSI
B-2	FINAL FIRST FLOW :	57 PSI	55 PSI
C	FIRST SHUT-IN :	679 PSI	679 PSI
D-1	INITIAL SECOND FLOW:	48 PSI	48 PSI
D-2	FINAL SECOND FLOW :	72 PSI	72 PSI
E	SECOND SHUT-IN :	2774 PSI	2774 PSI
H	FINAL HYDROSTATIC :	4120 PSI	4129 PSI



PIPE RECOVERY

2400 FT. OF GAS IN PIPE & COLLARS
90 FT. OF TOTAL FLUID
20 FT. OF FREE OIL (38 GRAVITY @ 86 DEGREES)
70 FT. OF SLIGHTLY OIL CUT DRLG. FLUID (1% OIL)
82,000 MG/L CHLORIDES- .052 OHMS @ 85 DEGREES

RECOVERY DATA
B.H. TEMP. (deg F) : 123

SAMPLE CHAMBER

65 LBS. OF PRESSURE
0.05 CU. FT. OF GAS
500 CC'S OF FREE OIL
36.1 GRAVITY @ 60 DEGREES
1200 CC'S OF DRLG. FLUID
82,000 MG/L CHLORIDES
.052 OHMS @ 85 DEGREES

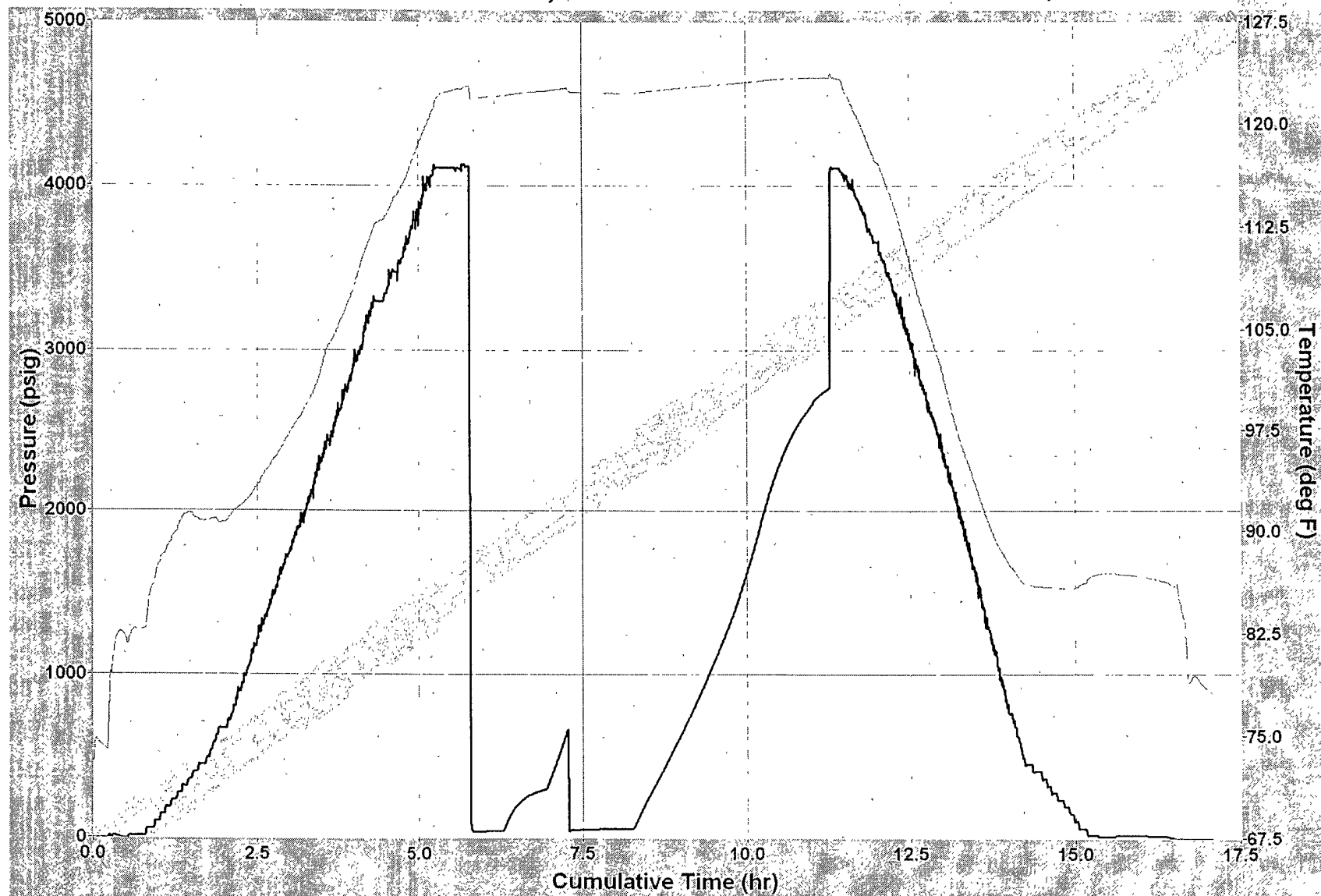
TEST REMARKS

TOOL OPENED WITH WEAK BLOW (1" IN WATER) WHICH BUILT TO GOOD BLOW (18" IN WATER) (7 OZS. ON 1/8" CHOKE) IN 15 MIN. & 13 OZS. AT END OF THE 30 MIN. FIRST FLOW. REOPENED TOOL WITH GOOD BLOW (18" IN WATER) (7 OZS. ON 1/8") IN 30 SECONDS, 1.5 LBS. IN 5 MIN., 1.5 LBS. IN 45 MIN. & 2 LBS. ON 1/8" CHOKE IN 55 MIN. & REMAINED THROUGHOUT THE 60 MIN. FINAL FLOW PERIOD.

Company Name PATTERSON PETROLEUM LP.
Well Name AMBROSE "36" STATE COM #1
Type of Test DST #1 (8688-8721 FT , ABO)
Date(s) of Test 7-5-07



RIG TESTERS, INC. RECORDER# 20234





INCREMENTAL PRESSURE DATA

RECORDER NO : 20234

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 8700 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNOR) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
FIRST FLOW					
.0	.0			49.30	.00
2.0	2.0			50.30	1.00
4.0	4.0			50.79	1.49
6.0	6.0			51.20	1.90
8.0	8.0			51.70	2.40
10.0	10.0			52.29	2.99
12.0	12.0			52.60	3.30
14.0	14.0			53.10	3.80
16.0	16.0			53.50	4.20
18.0	18.0			54.00	4.70
20.0	20.0			54.40	5.10
22.0	22.0			54.80	5.50
24.0	24.0			55.20	5.90
26.0	26.0			55.71	6.41
28.0	28.0			57.10	7.80
FIRST SHUT-IN					
28.0	28.0	.00	.000	57.10	.00
28.5	28.0	.50	57.040	66.55	9.45
29.0	28.0	1.00	29.020	75.21	18.11
29.5	28.0	1.50	19.680	82.90	25.80
30.0	28.0	2.00	15.010	91.43	34.33
30.5	28.0	2.50	12.208	99.69	42.59
31.0	28.0	3.00	10.340	107.10	50.00
31.5	28.0	3.50	9.006	115.13	58.03
32.0	28.0	4.00	8.005	123.17	66.07
32.5	28.0	4.50	7.227	130.30	73.20
33.0	28.0	5.00	6.604	138.00	80.90
34.0	28.0	6.00	5.670	150.80	93.70
35.0	28.0	7.00	5.003	162.61	105.51
36.0	28.0	8.00	4.502	173.11	116.01
37.0	28.0	9.00	4.113	182.90	125.80
38.0	28.0	10.00	3.802	192.51	135.41
40.0	28.0	12.00	3.335	208.10	151.00
42.0	28.0	14.00	3.001	222.14	165.04
44.0	28.0	16.00	2.751	235.12	178.02
46.0	28.0	18.00	2.557	246.20	189.10
48.0	28.0	20.00	2.401	256.31	199.21
51.0	28.0	23.00	2.218	270.37	213.27
54.0	28.0	26.00	2.078	280.27	223.17
57.0	28.0	29.00	1.966	289.06	231.96
60.0	28.0	32.00	1.876	296.55	239.45
63.0	28.0	35.00	1.801	303.04	245.94
66.0	28.0	38.00	1.737	309.34	252.24
69.0	28.0	41.00	1.683	340.50	283.40



INCREMENTAL PRESSURE DATA

RECORDER NO : 20234

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 8700 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					
72.0	28.0	44.00	1.637	395.42	338.32
75.0	28.0	47.00	1.596	448.90	391.80
78.0	28.0	50.00	1.560	506.70	449.60
81.0	28.0	53.00	1.529	564.20	507.10
84.0	28.0	56.00	1.500	622.00	564.90
87.0	28.0	58.98	1.475	679.20	622.10
SECOND FLOW					
88.5	29.5			48.60	.00
91.5	32.5			61.80	13.20
94.5	35.5			61.10	12.50
97.5	38.5			61.40	12.80
100.5	41.5			62.10	13.50
103.5	44.5			63.00	14.40
106.5	47.5			63.40	14.80
109.5	50.5			64.10	15.50
112.5	53.5			65.00	16.40
115.5	56.5			65.70	17.10
118.5	59.5			66.40	17.80
121.5	62.5			66.80	18.20
124.5	65.5			67.30	18.70
127.5	68.5			67.80	19.20
130.5	71.5			68.30	19.70
133.5	74.5			68.30	19.70
136.5	77.5			69.00	20.40
139.5	80.5			69.10	20.50
142.5	83.5			69.70	21.10
145.5	86.5			70.00	21.40
147.0	88.0			72.10	23.50
SECOND SHUT-IN					
147.0	88.0	.00	.000	72.10	.00
148.0	88.0	1.00	89.020	87.71	15.61
149.0	88.0	2.00	45.010	103.38	31.28
150.0	88.0	3.00	30.340	117.90	45.80
151.0	88.0	4.00	23.005	132.33	60.23
152.0	88.0	5.00	18.604	147.16	75.06
153.0	88.0	6.00	15.670	161.00	88.90
154.0	88.0	7.00	13.574	174.84	102.74
155.0	88.0	8.00	12.003	189.05	116.95

PATTERSON PETROLEUM LP.


 AMBROSE "36" STATE COM # 1
 D.S.T. NO. : 1

INCREMENTAL PRESSURE DATA

RECORDER NO : 20234

RECORDER CAPACITY : 10000 psi

RECORDER DEPTH : 8700 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			
156.0	88.0	9.00	10.780	202.40	130.30
157.0	88.0	10.00	9.802	215.36	143.26
159.0	88.0	12.00	8.335	241.20	169.10
161.0	88.0	14.00	7.287	266.14	194.04
163.0	88.0	16.00	6.501	290.97	218.87
165.0	88.0	18.00	5.890	316.60	244.50
167.0	88.0	20.00	5.401	342.24	270.14
170.0	88.0	23.00	4.827	380.25	308.15
173.0	88.0	26.00	4.385	419.24	347.14
176.0	88.0	29.00	4.035	458.73	386.63
179.0	88.0	32.00	3.751	498.47	426.37
182.0	88.0	35.00	3.515	540.15	468.05
185.0	88.0	38.00	3.316	580.34	508.24
192.0	88.0	45.00	2.956	673.30	601.20
197.0	88.0	50.00	2.760	743.36	671.26
202.0	88.0	55.00	2.600	814.33	742.23
207.0	88.0	60.00	2.467	887.20	815.10
212.0	88.0	65.00	2.354	961.58	889.48
217.0	88.0	70.00	2.257	1037.60	965.50
222.0	88.0	75.00	2.174	1117.30	1045.20
227.0	88.0	80.00	2.100	1199.10	1127.00
232.0	88.0	85.00	2.036	1281.19	1209.09
237.0	88.0	90.00	1.978	1367.30	1295.20
242.0	88.0	95.00	1.927	1463.17	1391.07
247.0	88.0	100.00	1.880	1564.43	1492.33
252.0	88.0	105.00	1.838	1667.90	1595.80
257.0	88.0	110.00	1.800	1779.73	1707.63
262.0	88.0	115.00	1.765	1896.86	1824.76
267.0	88.0	120.00	1.734	2025.40	1953.30
272.0	88.0	125.00	1.704	2137.39	2065.29
277.0	88.0	130.00	1.677	2236.64	2164.54
282.0	88.0	135.00	1.652	2326.30	2254.20
287.0	88.0	140.00	1.629	2405.37	2333.27
292.0	88.0	145.00	1.607	2473.56	2401.46
297.0	88.0	150.00	1.587	2534.40	2462.30
302.0	88.0	155.00	1.568	2587.78	2515.68
307.0	88.0	160.00	1.550	2634.24	2562.14
312.0	88.0	165.00	1.533	2684.50	2612.40
317.0	88.0	170.00	1.518	2723.03	2650.93
322.0	88.0	175.00	1.503	2750.11	2678.01

PATTERSON PETROLEUM LP.



AMBROSE "36" STATE COM # 1
D.S.T. NO. : 1

INCREMENTAL PRESSURE DATA

RECORDER NO : 20234

RECORDER CAPACITY : 10000 psi

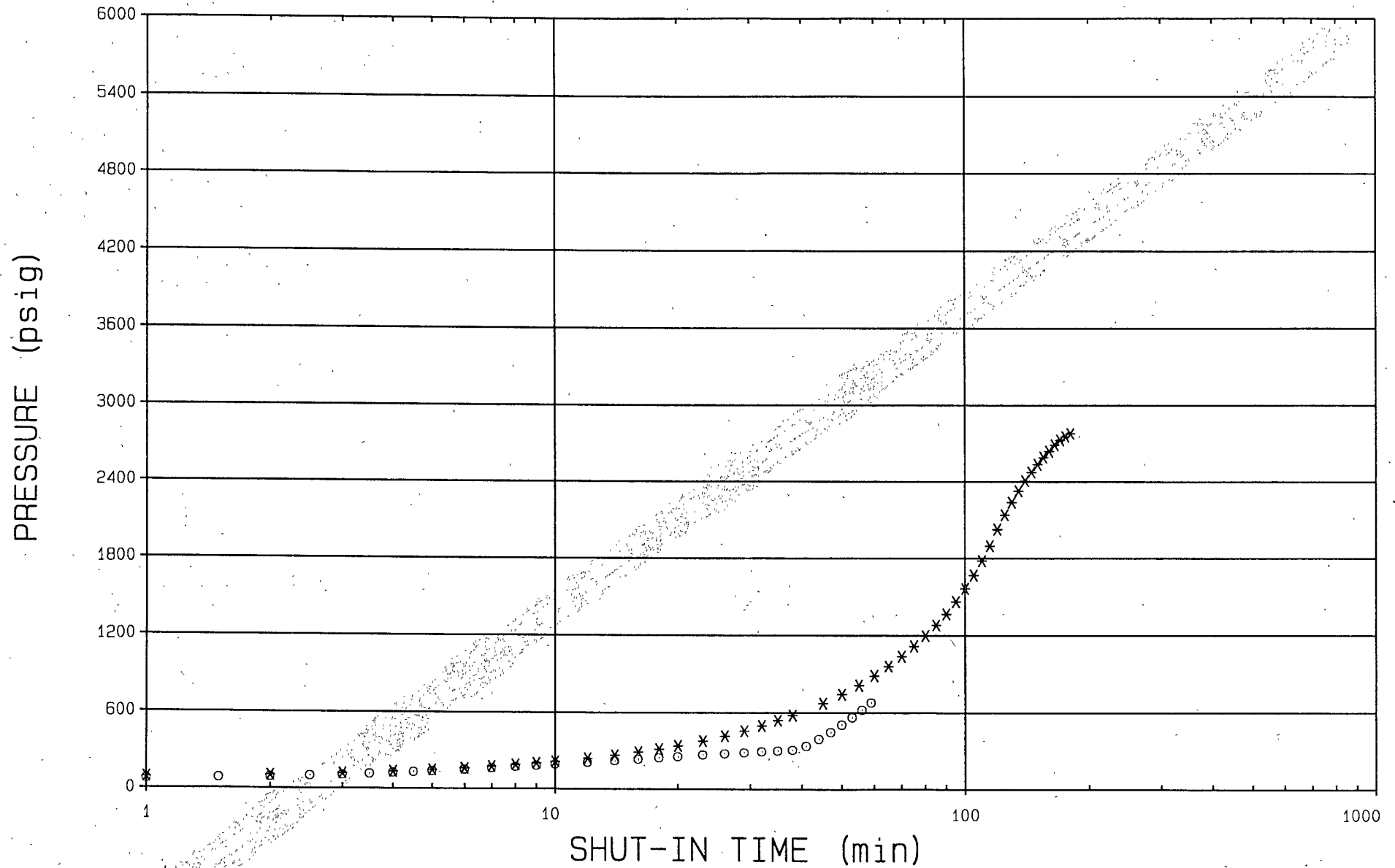
RECORDER DEPTH : 8700 ft

ELAPSED TIME ---MIN---	TOTAL FLOW TIME, T ---MIN---	INCREMENTAL SHUT-IN TIME, DT ---MIN---	(T+DT)/DT (HORNER) -----	PRESSURE ---PSIG---	DELTA P ---PSIG---
327.0	88.0	180.00	1.489	2774.70	2702.60

REMARKS

THE INCREMENTAL DATA, PLOTS AND ANALYSIS ARE FROM THE ELECTRONIC RECORDER
PLEASE REFER TO DERIVATIVE DIAGNOSTICS ANALYSIS FOR FURTHER INFORMATION.
PRESSURE ASCII FILES ARE AVAILABLE E-MAIL OR DISKETTE UPON REQUEST

PRESSURE TIME



PATTERSON PETROLEUM LP.
 AMBROSE "36" STATE COM # 1

○ FIRST SHUT-IN
 * SECOND SHUT-IN





RigTesters, Inc.
ABILENE - MIDLAND - GRAHAM

PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Well identification

Well ID	AMBROSE"36"ST#1	Well location	
County/District	LEA	State, Country	NEW MEXICO
Company	PATTERSON PET.	Division	SNYDER

Fluid properties

Prod/Inj fluid	OIL	GOR	500:1
Water cut	0%	Condensate yield	UNKNOWN
API gravity	36.1	Gas spec. grav.	0.7
Viscosity	1.1557 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)	13.525 e-6/psi	Formation vol factor	1.2579 RB/STB

Reservoir properties

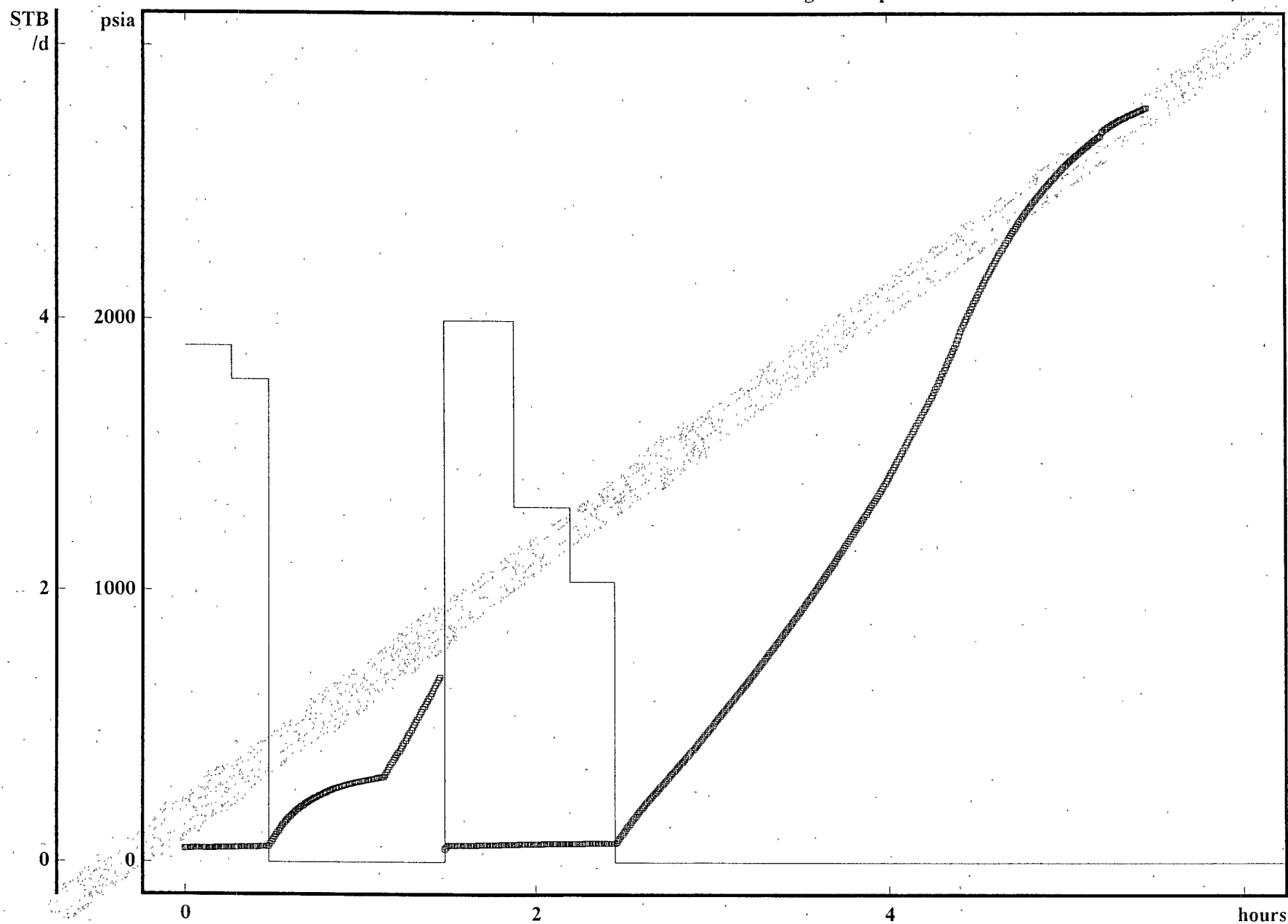
Porosity	0.12 frac	Formation thickness	17 ft
Wellbore radius	0.36458 ft	Prod-observer distance	N/A
Water-Oil Contact	UNKNOWN	Gas-Oil Contact	N/A
Gas-Water Contact	N/A	Rock compressibility	
Reservoir temperature	123 deg F	Pressure for properties	3488 psia

Comments

THE DERIVATIVES INDICATE DOMINATION OF WELLBORE STORAGE & TRANSITION EFFECT ON THE SHUT-IN PERIODS. ANY CALCULATIONS (EXTRAPOLATIONS, PERMEABILITY AND SKIN) UNDER THESE CONDITIONS ARE AMBIGUOUS & UNRELIABLE. THE FIXED PARAMETERS USED WERE AN EST. 12% POROSITY, 17 FT. OF NET PAY REPORTED AND AN AVERAGE (TIME WEIGHTED) PRODUCTION OF 3 BBLs. OF OIL FOR THE FINAL FLOW PERIOD. THE RATES WERE BASED ON DENSITY OF FLUID RECOVERED VS. FLOWING PRESSURES. * THE OVERALL TEST INDICATES A RESERVOIR WITH GOOD POROSITY BUT IS ASSOCIATED WITH VERY LOW PERMEABILITY.

PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Pressure and flow rate vs time during test sequence

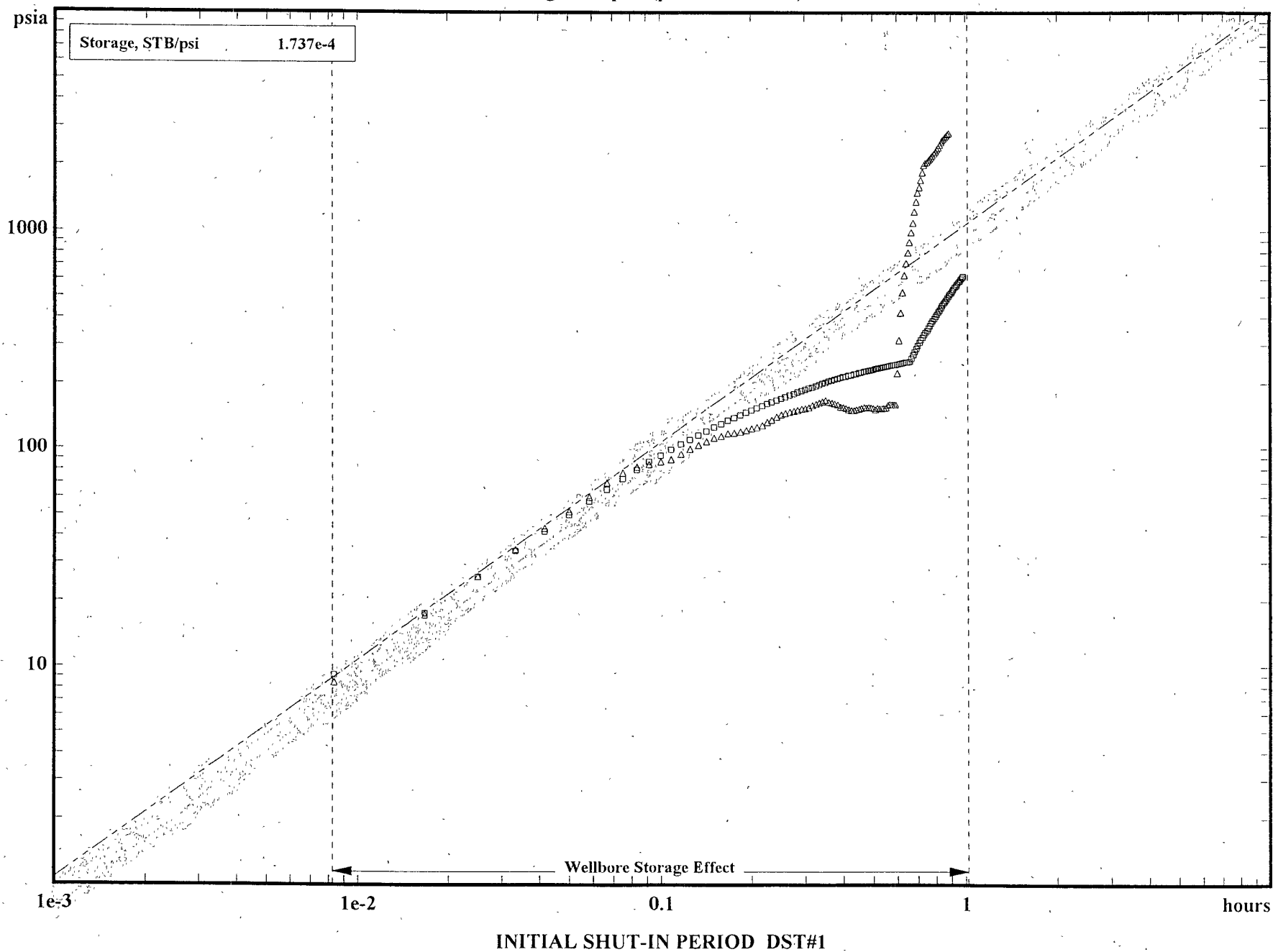


DST #1 8688 - 8721 FT.; ABO



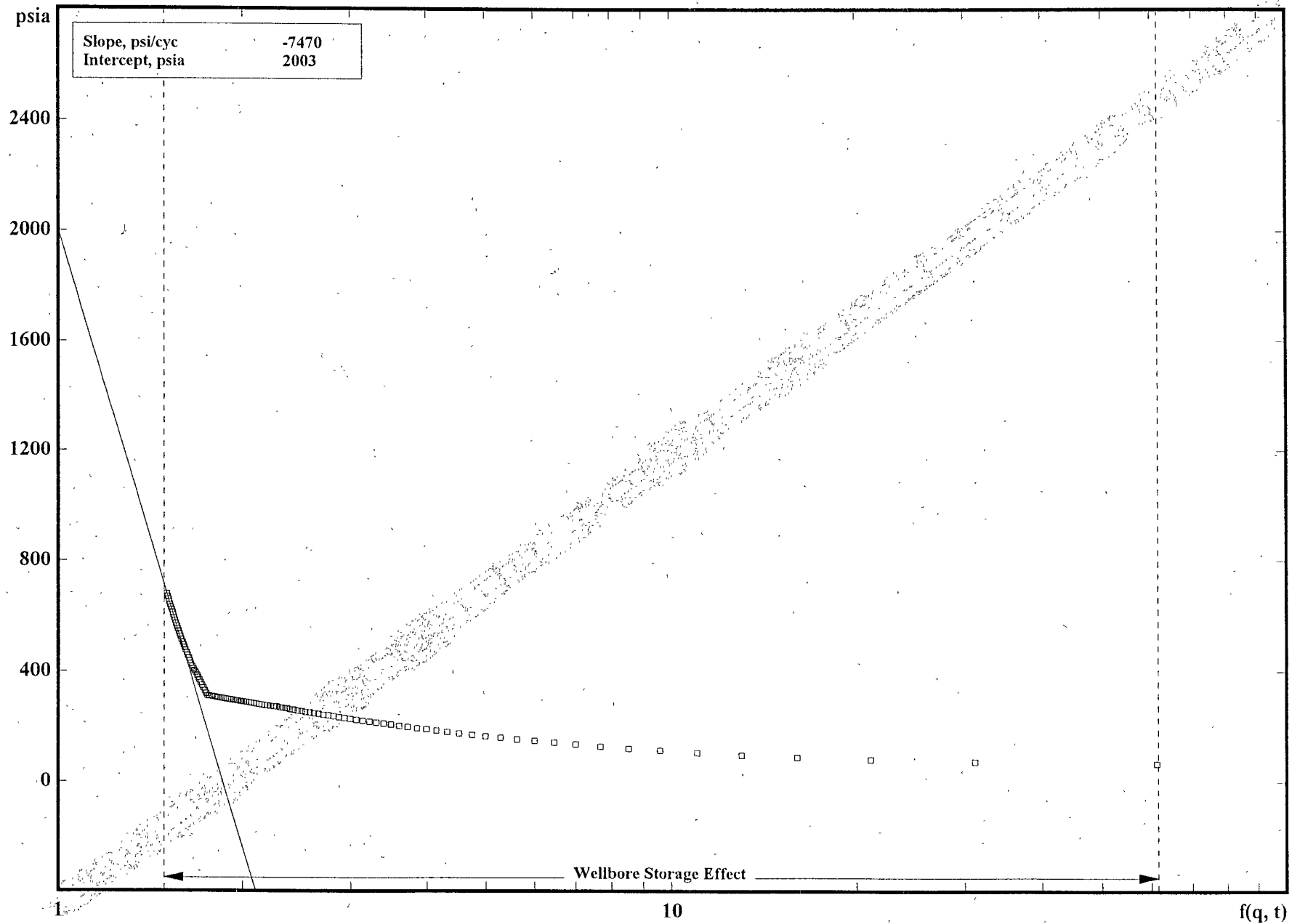
PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Diagnostic plot (pressure & time)



PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Variable rate Horner plot (pressure & time)

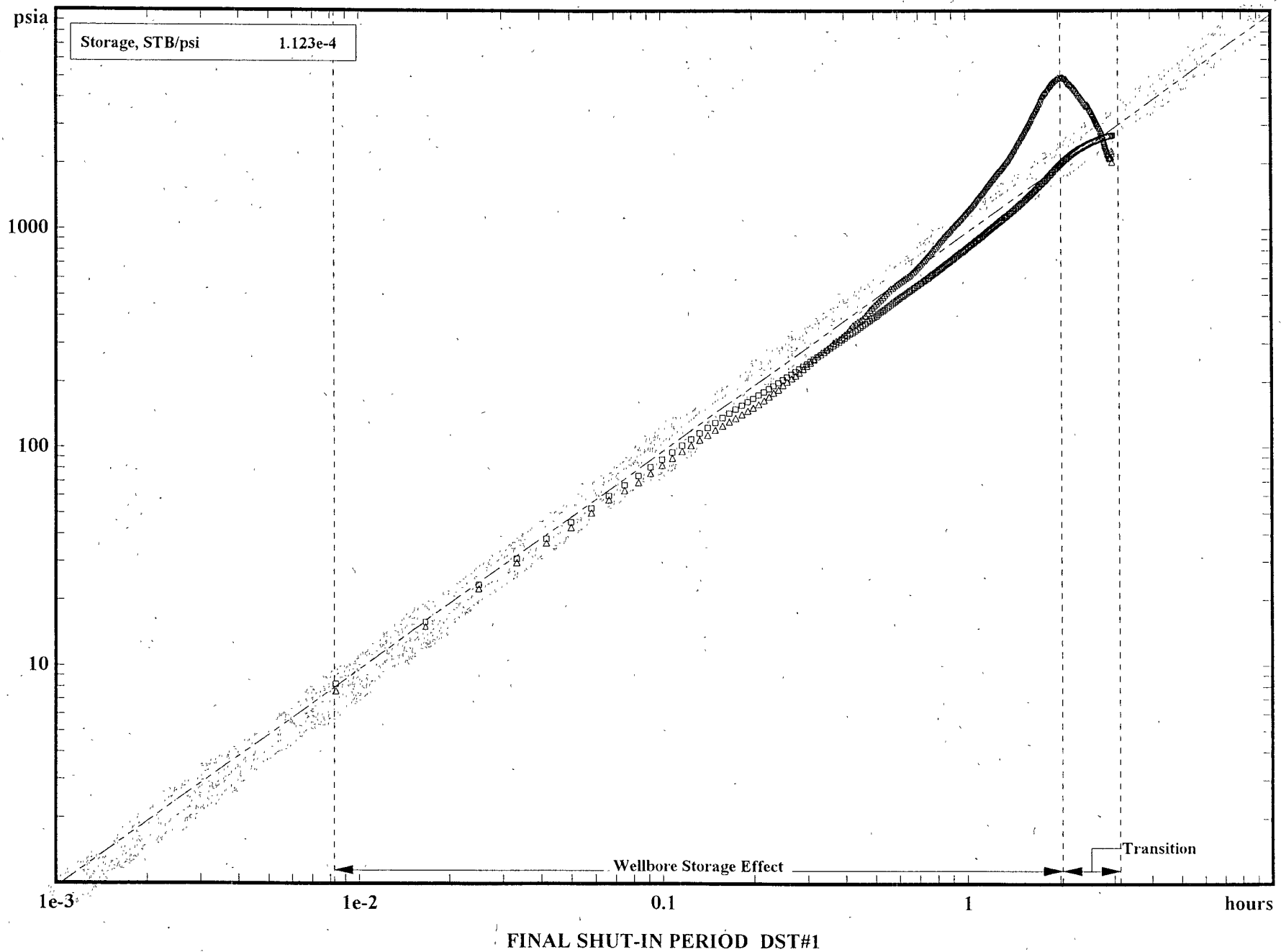


INITIAL SHUT-IN PERIOD DST#1



PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Diagnostic plot (pressure & time)



PATTERSON PETROLEUM LP. AMBROSE "36" STATE COM #1

Variable rate Horner plot (pressure & time)

