TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

API# 15-097-21387

Drill-Stem Test Data

ORIGINAL

CONFIDENTIAL

Well Name PETERS 1-26 Test No. 1 Date 3/9/95

Company CROSSBAR PETROLEUM Zone STOTLER

Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2092

Co. Rep./Geo. TOM BLAIR Cont. MURFIN #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 3355-3382 Drill Pipe Size 4.5" XH

Anchor Length 27 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3350 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3355 Mud Wt. 9.1 lb/Gal.

Total Depth 3382 Viscosity 39 Filtrate 12.4

Tool Open @ 2:31PM Initial Blow STRONG - BOTTOM OF BUCKET IN 2-1/2 MINUTES.
GAS TO SURFACE IN 28 MINUTES.

Final Blow STRONG - GUAGING GAS - SEE REPORT.

Recovery - Total Feet 35 Flush Tool? NO

RELEASED

Rec. 35 Feet of GASSY MUD

MAY 1 0 1995

Rec. Feet of

FROM CONFIDENTIAL

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 91 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1621.90 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 17.03 PSI @ (depth) 3360 w / Clock No. ELECTR

(C) First Final Flow Pressure 21.31 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1194.12 PSI @ (depth) 3378 w / Clock No. 22348

(E) Second Initial Flow Pressure 19.80 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 23.07 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1183.37 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1602.34 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	1613	1621.90
(B) FIRST INITIAL FLOW PRESSURE	30	17.03
(C) FIRST FINAL FLOW PRESSURE	22	21.31
(D) INITIAL CLOSED-IN PRESSURE	1168	1194.12
(E) SECOND INITIAL FLOW PRESSURE	37	19.80
(F) SECOND FINAL FLOW PRESSURE	30	23.07
(G) FINAL CLOSED-IN PRESSURE	1160	1183.37
(H) FINAL HYDROSTATIC MUD	1590	1602.34

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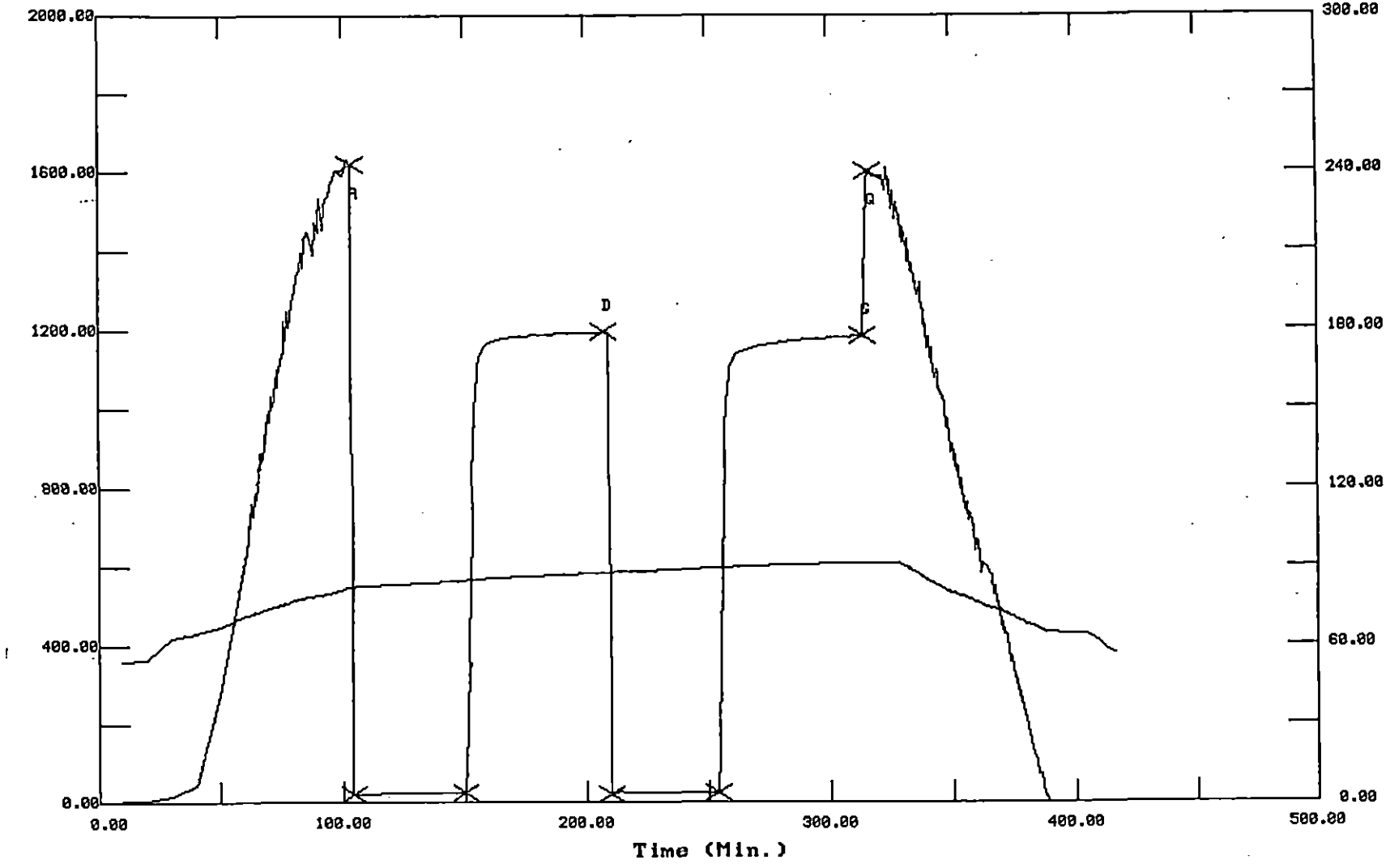
ORIGINAL

TEST HISTORY

Crossbar Petroleum Peters 1-26 DST #1

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1621.90
B:	0.00	17.03
C:	46.00	21.31
D:	58.00	1194.12
E:	0.00	19.80
F:	43.50	23.07
G:	60.00	1183.37
Q:	0.00	1602.34



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1-26 DST #1

DATE: 03/09/95 TIME: 12:46:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	103.00	1621.9	0.0	82.10		
****** Start Flow 1	0.00	17.0	0.0	82.25		
	2.00	18.8	1.8	82.49		
	4.00	19.5	2.4	82.65		
	6.00	19.0	1.9	82.73		
	8.00	19.5	2.5	82.85		
	10.00	20.2	3.2	82.91		
	12.00	21.1	4.1	82.97		
	14.00	21.8	4.8	83.06		
	16.00	22.7	5.6	83.16		
	18.00	21.9	4.9	83.26		
	20.00	21.5	4.4	83.36		
	22.00	20.9	3.9	83.47		
	24.00	20.9	3.9	83.58		
	26.00	20.8	3.8	83.68		
	28.00	20.6	3.5	83.77		
	30.00	20.7	3.7	83.89		
	32.00	20.7	3.7	83.99		
	34.00	20.6	3.5	84.10		
	36.00	20.7	3.7	84.19		
	38.00	20.8	3.8	84.30		
	40.00	20.8	3.8	84.40		
	42.00	20.8	3.8	84.49		
	44.00	21.1	4.1	84.59		
****** End Flow 1	46.00	21.3	4.3	84.76		
****** Start Shutin 1	0.00	21.3	0.0	84.76	0.0000	0.000
	1.50	178.8	157.4	84.85	31.6667	0.032
	2.00	381.4	360.1	84.87	24.0000	0.145
	2.50	553.2	531.9	84.89	19.4000	0.306
	3.00	700.2	678.9	84.92	16.3333	0.490
	3.50	822.0	800.7	84.96	14.1429	0.676
	4.00	919.4	898.1	85.01	12.5000	0.845
	4.50	993.5	972.2	85.04	11.2222	0.987
	5.00	1048.1	1026.8	85.08	10.2000	1.098
	5.50	1086.1	1064.8	85.13	9.3636	1.180
	6.00	1111.8	1090.5	85.16	8.6667	1.236
	6.50	1129.2	1107.9	85.21	8.0769	1.275
	7.00	1140.9	1119.6	85.23	7.5714	1.302
	8.00	1154.6	1133.3	85.32	6.7500	1.333
	9.50	1164.6	1143.3	85.41	5.8421	1.356
	10.00	1166.8	1145.4	85.45	5.6000	1.361
	12.00	1172.5	1151.2	85.58	4.8333	1.375
	14.00	1176.2	1154.9	85.70	4.2857	1.384
	16.00	1178.7	1157.4	85.80	3.8750	1.389
	18.00	1180.6	1159.3	85.90	3.5556	1.394
	20.00	1182.3	1161.0	86.02	3.3000	1.398
	22.00	1183.6	1162.3	86.11	3.0909	1.401
	24.00	1184.8	1163.5	86.21	2.9167	1.404
	26.00	1185.8	1164.5	86.31	2.7692	1.406
	28.00	1186.8	1165.5	86.41	2.6429	1.409
	30.00	1187.7	1166.3	86.52	2.5333	1.411

ORIGINAL

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Crossbar Petroleum Peters 1-26 DST #1
DATE: 03/09/95 TIME: 12:46:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	32.00	1188.5	1167.2	86.56	2.4375	1.413
	34.00	1189.2	1167.9	86.61	2.3529	1.414
	36.00	1189.8	1168.4	86.72	2.2778	1.416
	38.00	1190.3	1169.0	86.82	2.2105	1.417
	40.00	1190.8	1169.5	86.91	2.1500	1.418
	42.00	1191.3	1170.0	87.01	2.0952	1.419
	44.00	1191.8	1170.5	87.09	2.0455	1.420
	46.00	1192.1	1170.8	87.17	2.0000	1.421
	48.00	1192.5	1171.2	87.26	1.9583	1.422
	50.00	1192.9	1171.6	87.35	1.9200	1.423
	52.00	1193.4	1172.1	87.43	1.8846	1.424
	54.00	1193.6	1172.3	87.53	1.8519	1.425
	56.00	1193.9	1172.6	87.59	1.8214	1.426
***** End Shut-in 1	58.00	1194.1	1172.8	87.67	1.7931	1.426
***** Start Flow 2	0.00	19.8	0.0	87.76		
	1.50	23.9	4.1	87.80		
	3.50	25.1	5.3	87.82		
	5.50	23.0	3.2	87.86		
	7.50	21.8	2.0	87.92		
	9.50	21.1	1.3	87.94		
	11.50	20.8	1.0	88.02		
	13.50	21.1	1.3	88.02		
	15.50	21.1	1.3	88.16		
	17.50	21.1	1.3	88.26		
	19.50	21.5	1.7	88.38		
	21.50	21.6	1.8	88.51		
	23.50	21.9	2.1	88.53		
	25.50	21.9	2.1	88.58		
	27.50	22.1	2.3	88.66		
	29.50	22.2	2.4	88.74		
	31.50	22.3	2.5	88.81		
	33.50	22.3	2.5	88.88		
	35.50	23.2	3.4	88.96		
	37.50	23.0	3.2	89.01		
	39.50	23.1	3.3	89.08		
	41.50	23.1	3.3	89.16		
***** End Flow 2	43.50	23.1	3.3	89.22		
***** Start Shutin 2	0.00	23.1	0.0	89.22	0.0000	0.001
	1.00	124.8	101.7	89.26	90.5000	0.016
	1.50	383.9	360.8	89.28	60.6667	0.147
	2.00	590.0	566.9	89.32	45.7500	0.348
	2.50	747.8	724.7	89.34	36.8000	0.559
	3.00	863.9	840.9	89.37	30.8333	0.746
	3.50	949.4	926.3	89.39	26.5714	0.901
	4.00	1010.3	987.2	89.43	23.3750	1.021
	4.50	1052.4	1029.4	89.46	20.8889	1.108
	5.00	1080.9	1057.8	89.49	18.9000	1.168
	5.50	1099.6	1076.5	89.53	17.2727	1.209
	6.00	1112.2	1089.1	89.55	15.9167	1.237
	7.00	1126.6	1103.6	89.60	13.7857	1.269
	8.00	1134.3	1111.2	89.66	12.1875	1.287

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1-26 DST #1

DATE: 03/09/95 TIME: 12:46:53

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	1143.1	1120.0	89.75	9.9500	1.307
	12.00	1148.3	1125.2	89.86	8.4583	1.319
	14.00	1152.3	1129.2	89.93	7.3929	1.328
	16.00	1155.6	1132.5	90.00	6.5938	1.335
	18.00	1158.4	1135.4	90.08	5.9722	1.342
	20.00	1161.0	1137.9	90.13	5.4750	1.348
	22.00	1163.3	1140.2	90.18	5.0682	1.353
	24.00	1165.2	1142.2	90.24	4.7292	1.358
	26.00	1167.0	1143.9	90.32	4.4423	1.362
	28.00	1168.6	1145.5	90.36	4.1964	1.366
	30.00	1170.1	1147.0	90.42	3.9833	1.369
	32.00	1171.5	1148.5	90.48	3.7969	1.373
	34.00	1172.8	1149.7	90.54	3.6324	1.375
	36.00	1174.1	1151.0	90.59	3.4861	1.378
	38.00	1175.1	1152.0	90.64	3.3553	1.381
	40.00	1176.1	1153.0	90.76	3.2375	1.383
	42.00	1177.1	1154.0	90.80	3.1310	1.386
	44.00	1177.8	1154.8	90.83	3.0341	1.387
	46.00	1178.7	1155.6	90.90	2.9457	1.389
	48.00	1179.5	1156.4	90.97	2.8646	1.391
	50.00	1180.2	1157.1	91.01	2.7900	1.393
	52.00	1180.9	1157.9	91.05	2.7212	1.395
	54.00	1181.6	1158.5	91.11	2.6574	1.396
	56.00	1182.1	1159.0	91.15	2.5982	1.397
	58.00	1182.7	1159.6	91.21	2.5431	1.399
******	End Shut-in 2	60.00	1183.4	1160.3	91.31	2.4917	1.400
******	Final Hydro.	316.50	1602.3	0.0	91.36		

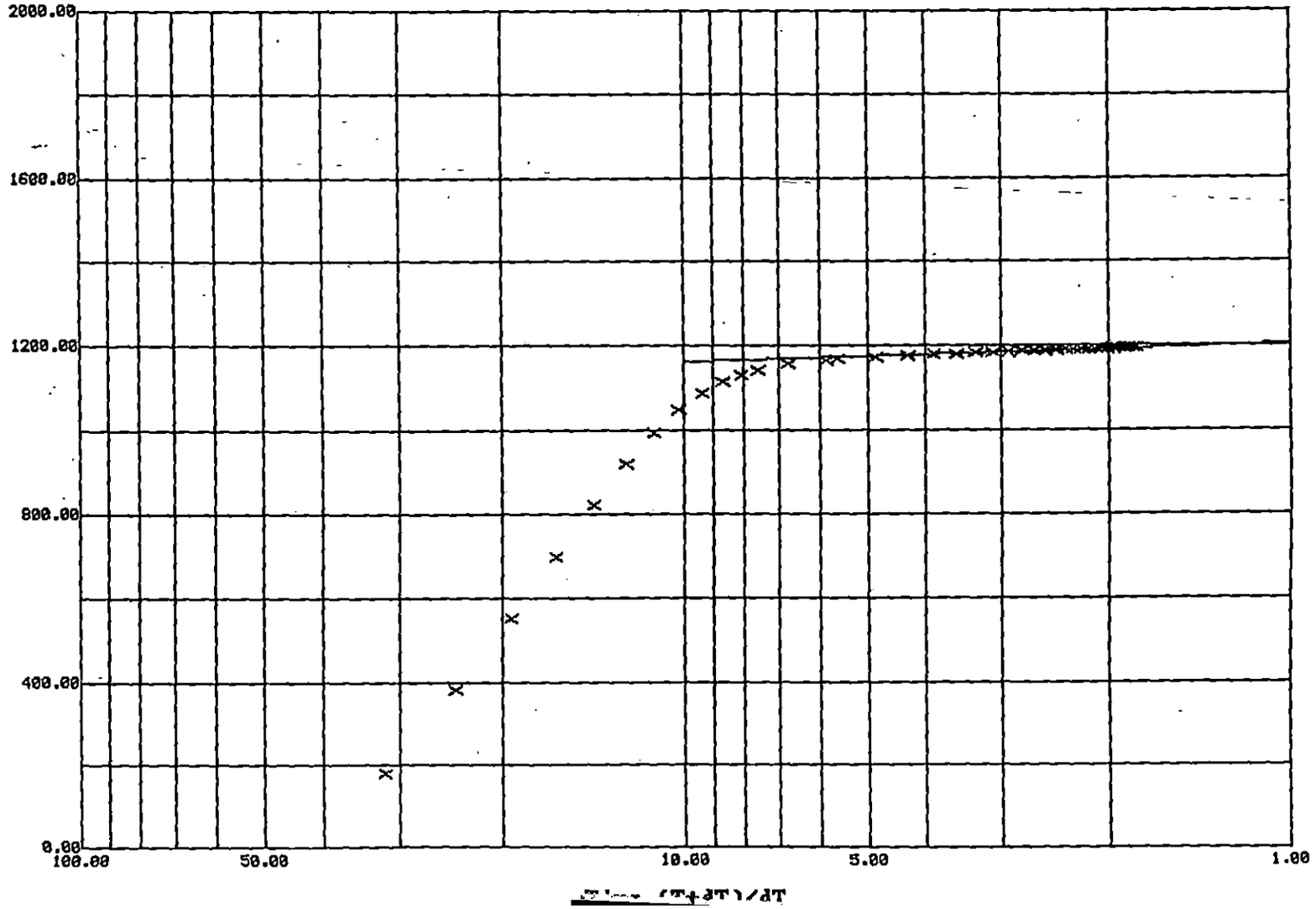
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Horner Plot: shut-in #1

Crossbar Petroleum Peters 1-26 DST #1

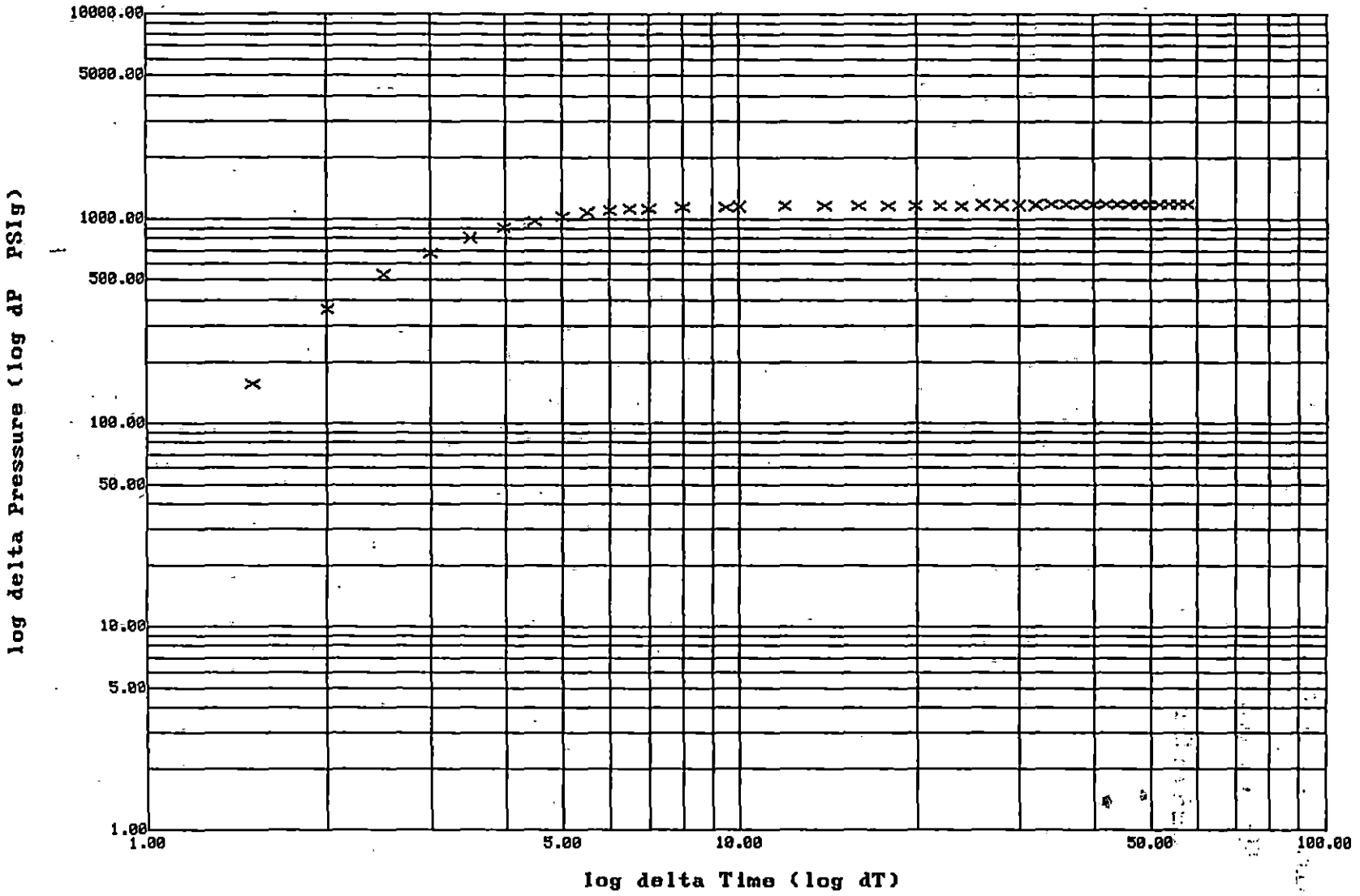
Slope: 43.0989 PSIg/cycle

Ext. Pressure: 1205.1406 PSIg



Ramey Plot: shut-in #1

Crossbar Petroleum Peters 1-26 DST #1



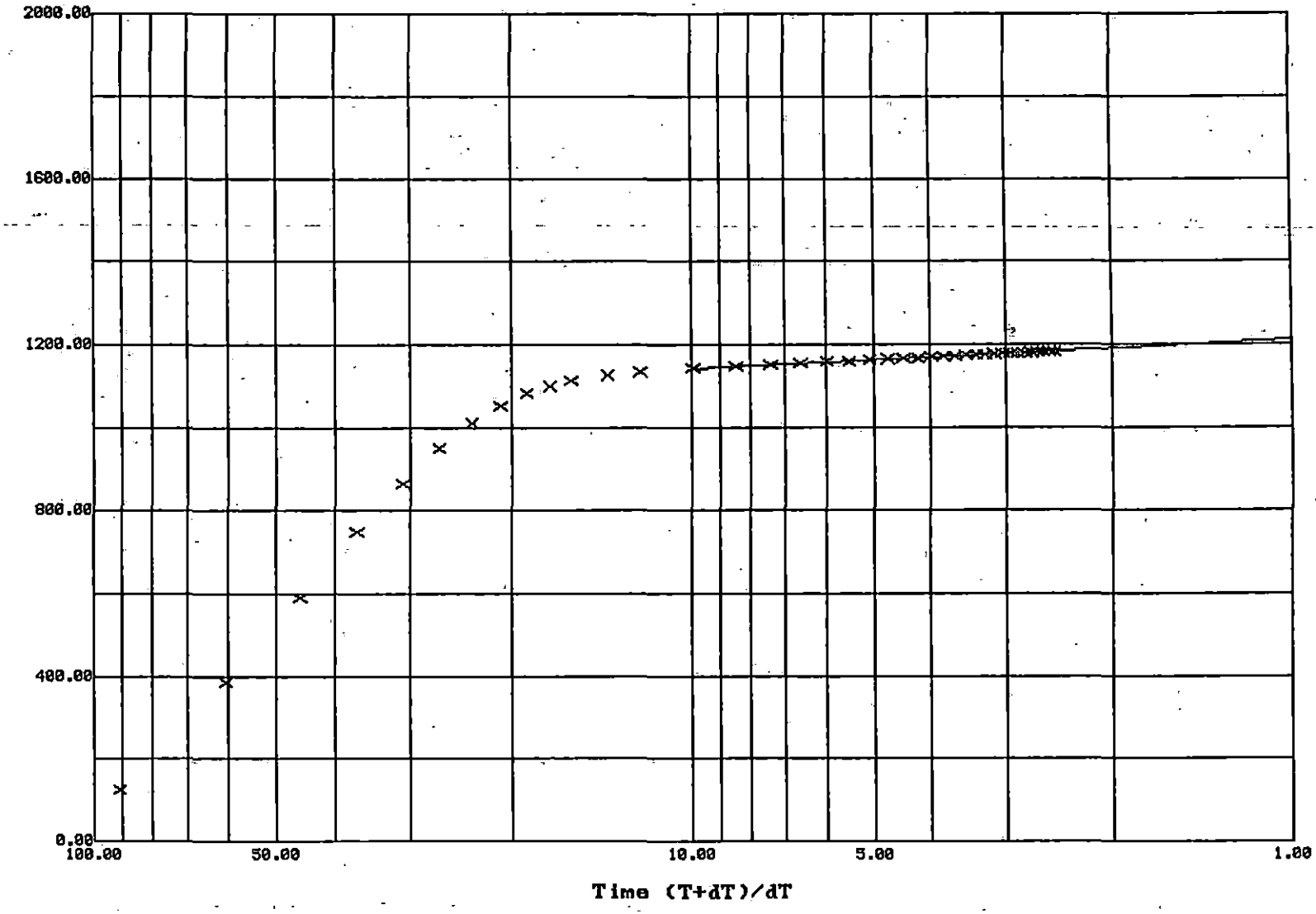
Horner Plot: shut-in #2

Crossbar Petroleum Peters 1-26 DST #1

Slope: 68.0504 PSIg/cycle

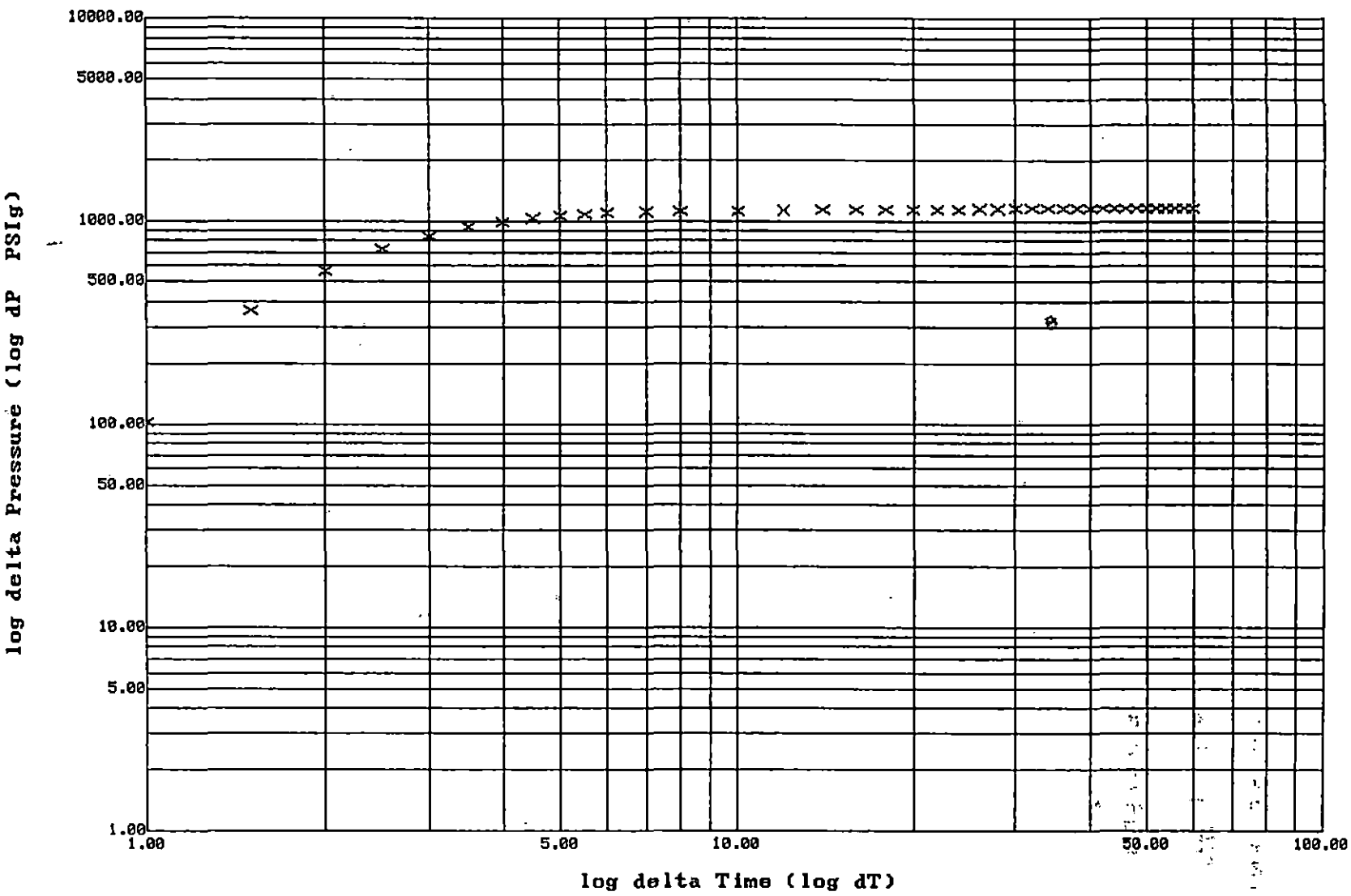
Ext. Pressure: 1210.7755 PSIg

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Ramey Plot: shut-in #2

Crossbar Petroleum Peters 1-26 DST #1



TRILOBITE TESTING L.L.C.

ATOR : Crossbar Petroleum — DATE 3/9/95
NAME: Peters 1-26 — KB 2101.00 ft — TICKET NO: 8279 — DST #1
TION : 26/29s/18w — GR 2092.00 ft — FORMATION: Stotler
RVAL : 3355.00 To 3382.00 ft — TD 3382.00 ft — TEST TYPE: CONVENTIONAL

RDER DATA

s		Field	1	2	3	4
45	Rec.	2346	24174			
60	Range(Psi)	4995.0	3050.0	0.0	0.0	0.0
45	Clock(hrs)	alp	12hr			
60	Depth(ft)	3360.0	3378.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. 45 to hr
IS Fr. to 1 hr
SF Fr. 45 to hr
FS Fr. to 1 hr

	Field	1	2	3	4
Init Hydro	1621.0	1613.0	0.0	0.0	0.0
First Flow	17.0	30.0	0.0	0.0	0.0
Final Flow	21.0	22.0	0.0	0.0	0.0
In Shut-in	1194.0	1168.0	0.0	0.0	0.0
Init Flow	20.0	37.0	0.0	0.0	0.0
Final Flow	23.0	30.0	0.0	0.0	0.0
Fl Shut-in	1183.0	1160.0	0.0	0.0	0.0
Final Hydro	1602.0	1590.0	0.0	0.0	0.0
ide/Outside	i	o			

T STARTED 1320 hr
T ON BOTM 1330 hr
T OPEN 1331 hr
T PULLED 1701 hr
T OUT 1810 hr

OVERY
Fluid 35.00 ft of 35.00 ft in DC and 0.00 ft in DP
00 ft of gassy mud
0 ft of
0 ft of
0 ft of
0 ft of
0 ft of
0 ft of
0 ft of
LINITY 0.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	1200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	21000.00 lbs
Initial Str Wt	46000.00 lbs
Unseated Str Wt	46000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	121.00 ft
D.P. Length	3399.00 ft

OW DESCRIPTION
: Strong--Bottom of bucket in 2.5
nutes Gas to surface in 28 minutes

: Strong guaging gas-see report

MUD DATA----------

Mud Type	chem
Weight	9.10 lb/cf
Vis.	39.00 S/L
W.L.	12.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	91.00 F
Hole Condition	good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Paul Simpson
Co. Rep.	Tom Blair
Contr.	Murfin
Rig #	21
Unit #	
Pump T.	

RELEASED
MAY 10 1995
FROM CONFIDENTIAL

AMPLES: caught biginning of FF
ENT TO:Caraway

Test Successful: Y

Operator.....: CROSS BAR PETROLUEM
Well Name.....: PETERS 1-26
DST Number.....: 1

Location.: 26-29S-18W Recorder No...: 2346
Test Type: CONVENTIONAL Recorder Depth: 3360
Formation: STOTLER Test Interval.: 3355-3382

RESERVOIR CALCULATIONS: Gas calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay	2.00 ft
Porosity	13.00 %
Bottom Hole Temp	91.00 F
Specific Gravity	0.658
Z factor	%7/3f %s
Compressibility	0.001119 /psi
Viscosity	0.0130 cp
Total Flowing Time	90.00 min.
Flow Rate	40.70 bbls/d
Final Flowing Pressure	23.07 psi
Horner Slope	68.0504 *10^6 psi^2/cycle
Extrapolated Pressure	1210.78 psi
Assumed Drainage Radius	1350.00 ft
Well Bore Radius	3.94 in

RESULTS:

Effective Permeability	0.003498 md
Flow Capacity	0.0070 md.ft
Transmissibility	0.5382 md.ft/cp
Skin Factor	1.1474
Pressure Drop Across Skin	8214.1397 psi
Radius of Investigation	1.5276 ft
Damage Ratio	0.0268
Absolute Open Flow	40.3062 bbls/d
Absolute Open Flow W/O Damage	40.3062 bbls/d
Estimated Stabilized AOF	0.0844 bbls/d

*** TOOL DIAGRAM *** CONVENTIONAL

ME: Peters 1-26

N : 26/29s/18w

No. 8280 D.S.T. No. 2 DATE 3/10/95

OOL TO BOTTOM OF TOP PACKERS .....

L TOOL .....

PACKERS AND ANCHOR .....

TOOL .....

COLLAR ANCHOR IN INTERVAL .....

NCHOR STND.Stands Single Total

NCHOR STND.Stands Single Total

ASSEMBLY .....

BOVE TOOLS.Stands Single Total DEPTH 3405

BOVE TOOLS.Stands Single Total ANCHOR

DRILL COLLARS DRILL PIPE & TOOLS ..

DEPTH .....

DRILL PIPE ABOVE K.B. .....

KS:
o surface beginning of initial
in. Will burn.

P.O. SUB
C.O. SUB change over sub 3381

S.I. TOOL shut in tool 3382

HMV hydraulic tool 3387

JARS 3392

SAFETY JOINT 3398

PACKER top packer 3400

PACKER bottom packer 3405

STUBB 3405

T.C.
DEPTH

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5 ft pick up sub 3406
5 ft perf 3411
5 ft perf 3416
5 ft perf 3421
5 ft perf 3426
5 ft perf 3431
BULLNOSE ak1 recorder 3434
T.D. bull plug 3439

GAS RECOVERY

COMPANY: Crossbar Petroleum DATE: 3/9/95
WELL NAME: Peters 1-26 KB Elev: 2101.00 ft TICKET #8279 DST #1
WELL LOCATION: 26/29s/18w GR Elev: 2092.00 ft FORMATION: Stotler
INTERVAL Fr.: 3355.00 To 3382.00 T.D.: 3382.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
30	0.50	0	16	25.1
35	0.50	0	17	25.8
40	0.50	0	18	26.6
45	0.50	0	20	28.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
1	0.50	0	95	60.8
5	0.50	0	90	59.5
10	0.50	0	52	45.2
15	0.50	0	44	41.6
20	0.50	0	38	38.6
25	0.50	0	39	39.1
30	0.50	0	40	39.6
35	0.50	0	40	39.6
40	0.50	0	42	39.6
45	0.50	0	42	39.6

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	950145	Analyzed:	03/13/95
Sample From:	Peters 1-26 DST 1	Pressure:	
Producer:	Cross Bar Petroleum	Temperature:	
Date:		Location:	26-29-18
Time:		County:	Kiowa
Sampler:		State:	Kansas
Source:		Formation:	Statler

		Mole %	GPM
Helium	He:	0.683	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	17.829	0.000
Carbon Dioxide	CO2:	0.092	0.000
Methane	C1:	77.994	0.000
Ethane	C2:	1.762	0.471
Propane	C3:	0.767	0.211
Iso Butane	iC4:	0.195	0.064
Normal Butane	nC4:	0.319	0.101
Iso Pentane	iC5:	0.110	0.040
Normal Pentane	nC5:	0.119	0.043
Hexanes Plus	C6+:	0.130	0.057
	TOTAL:	100.000	0.987
	Z Fact:	0.9983	
	SP.GR.:	0.6581	
	BTU (SAT):	859.1 @ 14.73 psia	
	BTU (DRY):	874.3 @ 14.73 psia	
	OCTANE RATING:	104.6	

COMMENTS:

RELEASED

MAY 10 1995

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8279

Well Name & No. Peters 1-26 Test No. Date 3-9-95

Company Crossbar Petroleum Zone Tested Shuler

Address 151 N Main #630 Wichita Ks 67202-1407 Elevation 2092 GL

Co. Rep./Geo. Jon Blair Cont. Murfin #21 Est. Ft. of Pay 28 13 %

Location: Sec. 26 Twp. 29s Rge. 18w Co. Kiowa State

No. of Copies 7 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 3355 -3382 Drill Pipe Size 4½ XH

Anchor Length 27 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3350 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3355 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 3382 Drill Collar — 2.25 Ft. Run 121

Mud Wt. 9.1 lb / gal. Viscosity 39 Filtrate 12.4

Tool Open @ 2:31 PM Initial Blow strong - bottom of bucket in 2½ minutes

TTS in 28 minutes

Final Blow strong - gassing gas- see report

Recovery — Total Feet 35 Feet of Gas In Pipe ____ Flush Tool? ____

Rec. 35	Feet Of gassy Mud	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 91 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

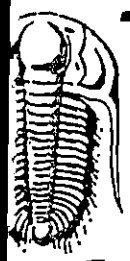
(A) Initial Hydrostatic Mud	AK1 1613	Alp 1621.9	PSI	AK1 Recorder No. 2396		Range 4995	
(B) First Initial Flow Pressure	30	17.0	PSI	@ (depth) 3360		w/Clock No. Alp	
(C) First Final Flow Pressure	22	21.3	PSI	AK1 Recorder No. 24174		Range 3050	
(D) Initial Shut-In Pressure	1168	1194.1	PSI	@ (depth) 3378		w/Clock No. 27348	
(E) Second Initial Flow Pressure	37	19.8	PSI	AK1 Recorder No. ____		Range ____	
(F) Second Final Flow Pressure	30	23.1	PSI	@ (depth) ____		w/Clock No. ____	
(G) Final Shut-In Pressure	1160	1183.4	PSI	Initial Opening 45		Test 6.00	
(H) Final Hydrostatic Mud	1590	1602.3	PSI	Initial Shut-In 60		Jars X 200	
				Final Flow 45		Safety Joint X 50	
				Final Shut-In 60		Straddle ____	
						Circ. Sub ____	
						Sampler ____	
						Extra Packer ____	
						Other electronic no clg	
						TOTAL PRICE $ 850	

TRILOBITE TESTING, L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By ____

Our Representative Paul Simpson

Printcraft Printers - Hays, KS



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Crossbar Petroleum, Inc. — OPERATOR

Peters — WELL NAME AND NO.

1 — DST NO.

n.	Ins. of Water ~~Pstg~~	Orifice Size	MCF/D	Min.	Ins. of Water ~~PSIG~~	Orifice Size	MCF/D
O	16	½	25.1	5	90	½	59.5
	17	"	25.8	10	52	"	45.2
	18	"	26.6	15	44	"	41.6
-	20	"	28	20	38	"	38.6
				25	39	"	39.1
				30	40	"	39.6
				35	40	"	39.6
				40	42	"	40.7
				45	42	"	40.7

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MAY 10 1995

FROM CONFIDENTIAL

Remarks: GTS 28 min - IF

CR

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PETERS 1-26 Test No. 2 Date 3/10/95

Company CROSSBAR PETROLEUM Zone EMPORIA

Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2092

Co. Rep./Geo. TOM BLAIR Cont. MURFIN #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 3405-3439 Drill Pipe Size 4.5" XH

Anchor Length 34 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3400 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3405 Mud Wt. 9.1 lb/Gal.

Total Depth 3439 Viscosity 40 Filtrate

Tool Open @ 4:48AM Initial Blow STRONG BOTTOM OF BUCKET IN 20 SECONDS

Final Blow STRONG - GUAGING GAS - SEE REPORT.

Recovery - Total Feet 260 Flush Tool? NO

Rec. 140 Feet of GASSY MUD

Rec. 120 Feet of GASSY MUDDY WATER.

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 97 °F Gravity °API @ °F Corrected Gravity °API

RW 0.24 @ 46 °F Chlorides 50000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 1628.44 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 36.84 PSI @ (depth) 3409 w / Clock No. ELECTR

(C) First Final Flow Pressure 81.32 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1020.47 PSI @ (depth) 3434 w / Clock No. 22348

(E) Second Initial Flow Pressure 83.08 PSI AK1 Recorder No. Range

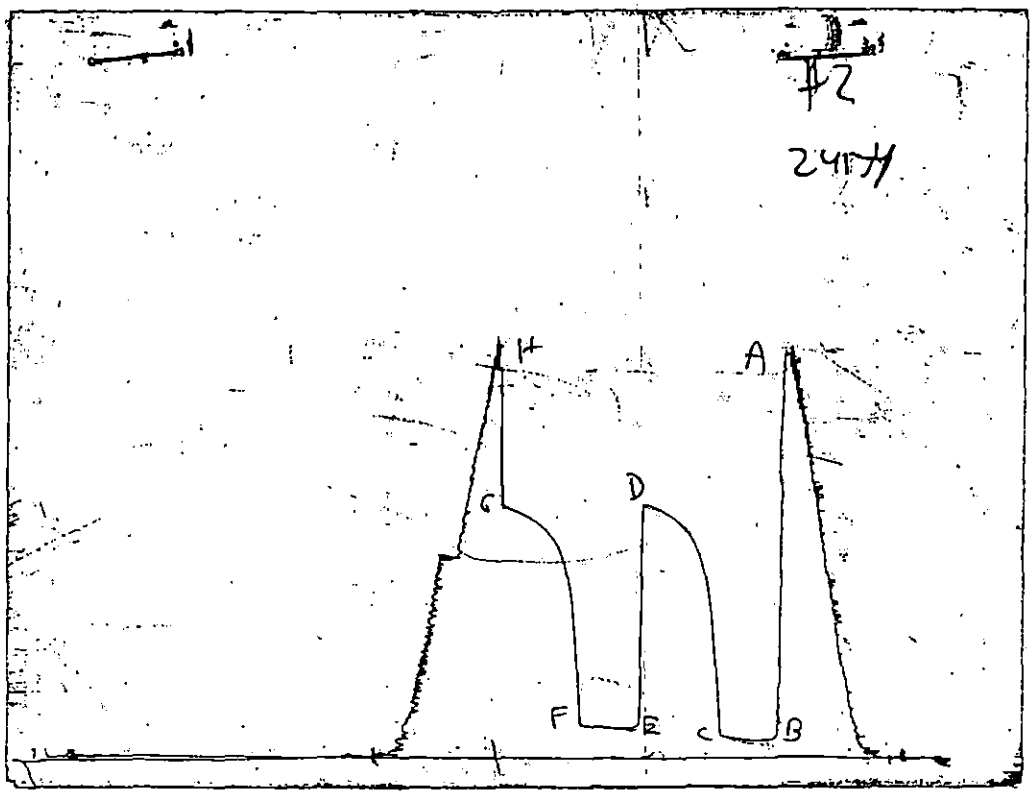
(F) Second Final Flow Pressure 120.34 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1002.34 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1573.72 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	1613	1628.44
(B) FIRST INITIAL FLOW PRESSURE	67	36.84
(C) FIRST FINAL FLOW PRESSURE	89	81.32
(D) INITIAL CLOSED-IN PRESSURE	1009	1020.47
(E) SECOND INITIAL FLOW PRESSURE	119	83.08
(F) SECOND FINAL FLOW PRESSURE	126	120.34
(G) FINAL CLOSED-IN PRESSURE	993	1002.34
(H) FINAL HYDROSTATIC MUD	1560	1573.72

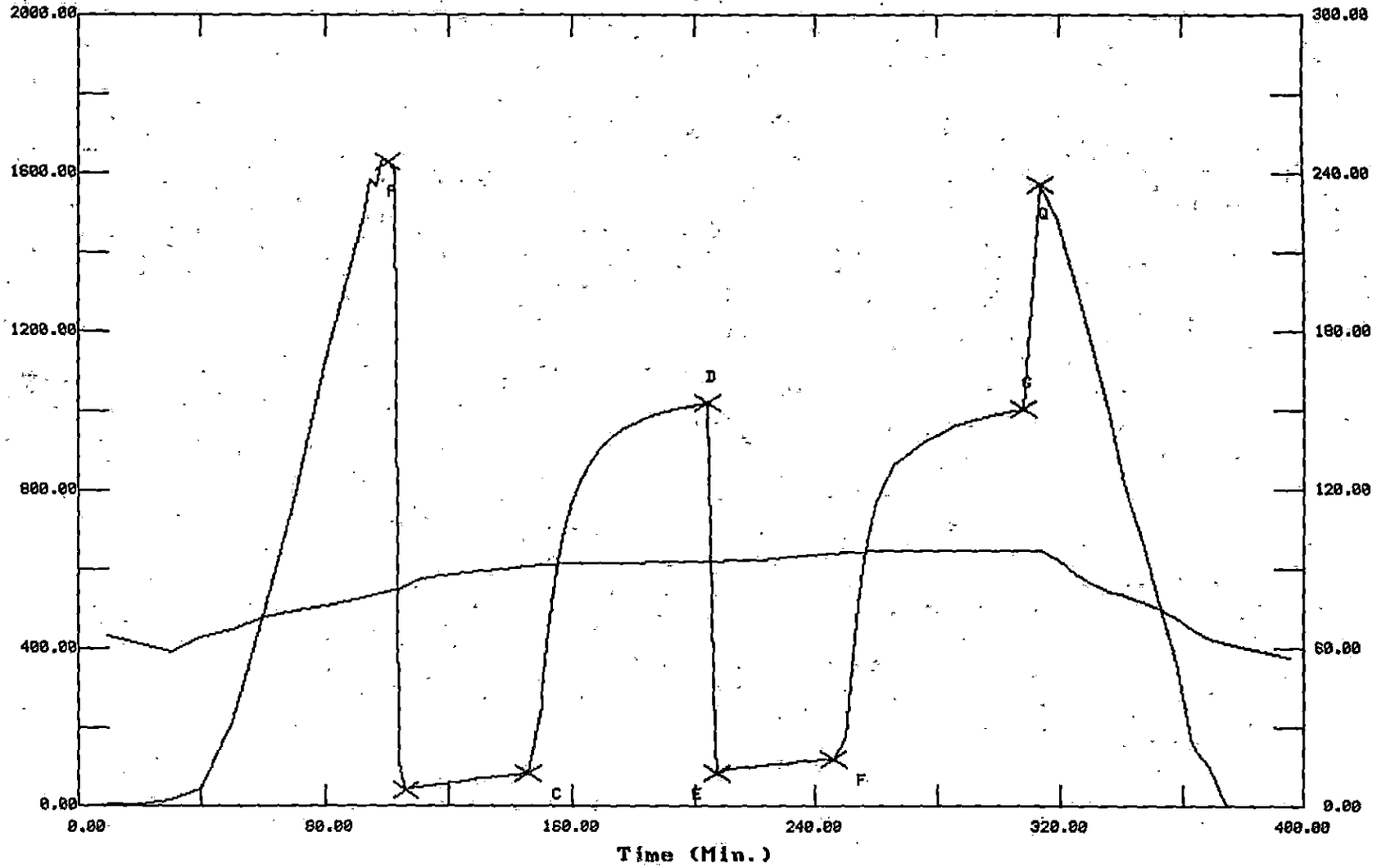
TEST HISTORY

Crossbar Petroleum Peters 1/26 DST #2

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1628.44
B:	0.00	36.84
C:	40.00	81.32
D:	58.50	1020.47
E:	0.00	83.08
F:	38.50	120.34
G:	62.50	1002.34
Q:	0.00	1573.72

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ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1/26 DST #2

DATE: 03/10/95 TIME: 03:07:10

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	100.00	1628.4	0.0	81.30		
****** Start Flow 1	0.00	36.8	0.0	83.15		
	4.00	45.0	8.1	85.43		
	8.00	51.8	14.9	86.80		
	16.00	57.7	20.9	88.30		
	20.00	64.3	27.4	88.75		
	24.00	69.7	32.9	89.17		
	32.00	75.3	38.4	90.05		
****** End Flow 1	40.00	81.3	44.5	90.98		
****** Start Shutin 1	0.00	81.3	0.0	90.98	0.0000	0.007
	4.50	256.5	175.2	91.44	9.8889	0.066
	4.50	295.0	213.7	91.49	9.8889	0.087
	5.00	333.3	252.0	91.53	9.0000	0.111
	5.50	371.1	289.8	91.60	8.2727	0.138
	6.00	408.0	326.6	91.65	7.6667	0.166
	6.50	443.5	362.1	91.67	7.1538	0.197
	7.00	477.3	396.0	91.70	6.7143	0.228
	7.50	509.1	427.8	91.67	6.3333	0.259
	8.00	539.1	457.8	91.72	6.0000	0.291
	8.50	567.3	485.9	91.80	5.7059	0.322
	9.00	593.6	512.3	91.90	5.4444	0.352
	9.50	618.0	536.7	91.97	5.2105	0.382
	10.00	640.6	559.3	92.02	5.0000	0.410
	10.50	661.5	580.2	92.06	4.8095	0.438
	11.00	680.8	599.5	92.11	4.6364	0.464
	11.50	698.6	617.3	92.08	4.4783	0.488
	12.00	715.1	633.7	92.10	4.3333	0.511
	12.50	730.2	648.9	92.12	4.2000	0.533
	13.00	744.3	662.9	92.14	4.0769	0.554
	13.50	757.4	676.1	92.16	3.9630	0.574
	14.00	769.6	688.3	92.18	3.8571	0.592
	14.50	780.9	699.6	92.20	3.7586	0.610
	15.00	791.6	710.3	92.20	3.6667	0.627
	15.50	801.6	720.3	92.22	3.5806	0.643
	16.00	810.9	729.6	92.24	3.5000	0.658
	16.50	819.7	738.4	92.24	3.4242	0.672
	17.00	828.1	746.8	92.25	3.3529	0.686
	17.50	836.0	754.7	92.26	3.2857	0.699
	18.50	850.6	769.3	92.28	3.1622	0.724
	19.50	863.7	782.4	92.30	3.0513	0.746
	20.50	875.4	794.1	92.32	2.9512	0.766
	21.50	886.2	804.9	92.34	2.8605	0.785
	22.50	896.0	814.7	92.34	2.7778	0.803
	23.50	904.9	823.6	92.34	2.7021	0.819
	24.50	913.1	831.8	92.36	2.6327	0.834
	26.00	924.3	843.0	92.39	2.5385	0.854
	27.50	934.1	852.8	92.42	2.4545	0.873
	29.00	942.9	861.6	92.45	2.3793	0.889
	30.50	950.8	869.5	92.46	2.3115	0.904
	32.50	960.1	878.8	92.49	2.2308	0.922
	34.50	968.4	887.0	92.51	2.1594	0.938

RELEASED

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1/26 DST #2

DATE: 03/10/95 TIME: 03:07:10

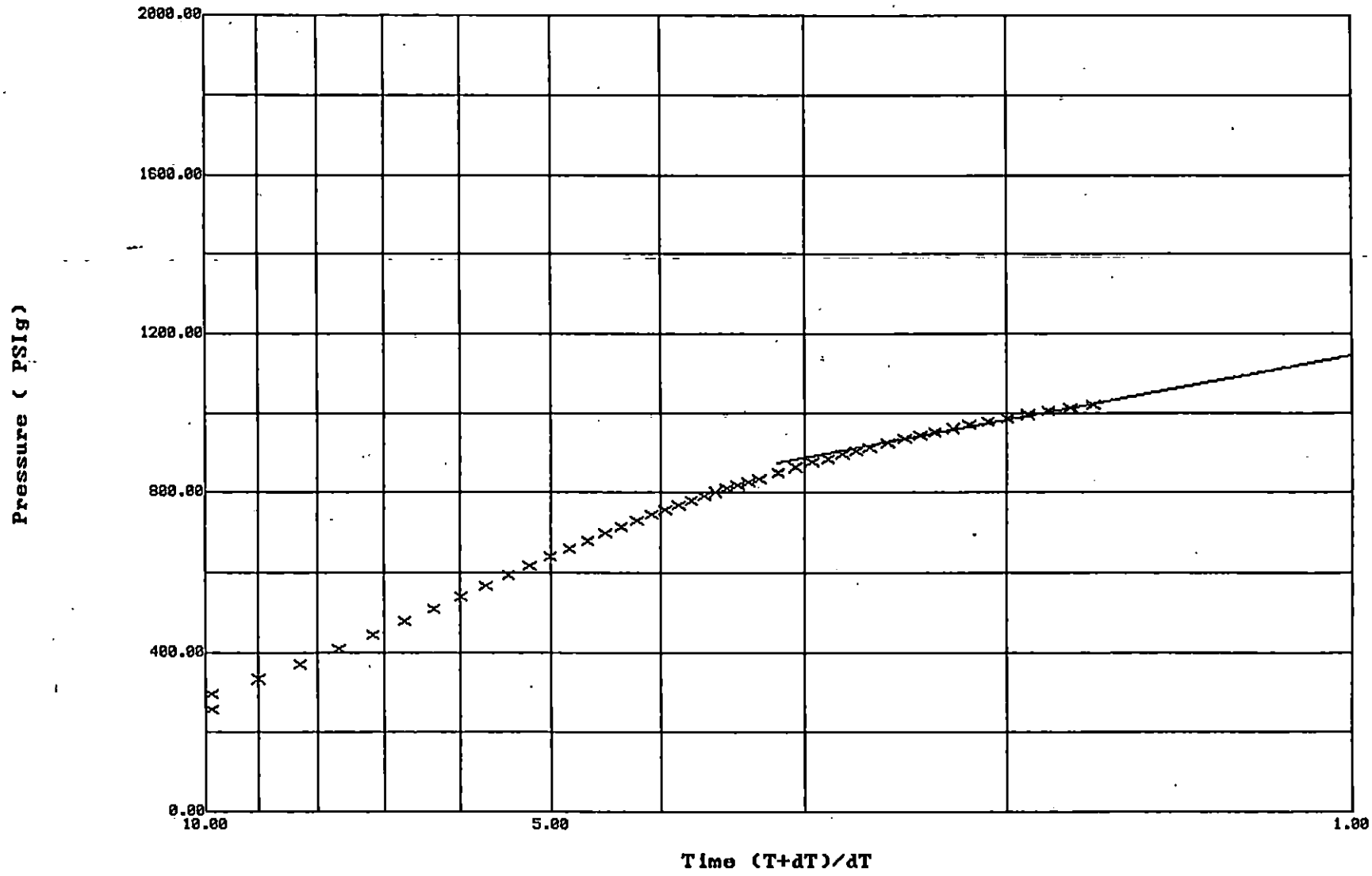
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	977.3	896.0	92.54	2.0811	0.955
	40.00	986.4	905.1	92.59	2.0000	0.973
	43.50	995.4	914.1	92.63	1.9195	0.991
	47.50	1003.9	922.5	92.70	1.8421	1.008
	52.50	1012.3	931.0	92.74	1.7619	1.025
***** End Shut-in 1	58.50	1020.5	939.2	92.84	1.6838	1.041
***** Start Flow 2	0.00	83.1	0.0	92.92		
	4.50	92.7	9.7	93.67		
	4.50	94.8	11.7	93.68		
	8.50	97.3	14.3	93.68		
	10.50	99.5	16.4	93.68		
	14.50	102.5	19.4	93.70		
	18.50	105.3	22.2	94.33		
	22.50	107.9	24.8	94.72		
	24.50	109.9	26.8	94.87		
	28.50	112.8	29.7	95.19		
	32.50	115.3	32.2	95.51		
	34.50	117.3	34.2	95.68		
****** End Flow 2	38.50	120.3	37.3	96.03		
****** Start Shutin 2	0.00	120.3	0.0	96.03	0.0000	0.014
	4.00	174.1	53.8	96.34	20.6250	0.030
	6.00	349.5	229.1	96.47	14.0833	0.122
	8.00	510.5	390.2	96.63	10.8125	0.261
	10.00	627.4	507.1	96.73	8.8500	0.394
	12.00	708.5	588.2	96.81	7.5417	0.502
	14.00	765.7	645.4	96.91	6.6071	0.586
	16.00	807.1	686.8	96.96	5.9062	0.651
	18.00	838.2	717.8	97.00	5.3611	0.703
	20.00	862.3	741.9	97.01	4.9250	0.744
	29.50	919.3	798.9	97.05	3.6610	0.845
	35.00	944.3	823.9	97.04	3.2429	0.892
	40.50	962.3	842.0	97.04	2.9383	0.926
	46.00	975.9	855.6	97.03	2.7065	0.952
	51.50	986.6	866.3	97.03	2.5243	0.973
	57.00	995.3	874.9	97.03	2.3772	0.991
****** End Shut-in 2	62.50	1002.3	882.0	97.06	2.2560	1.005
****** Final Hydro.	314.00	1573.7	0.0	96.92		

Horner Plot: shut-in #1

Crossbar Petroleum Peters 1/26 DST #2

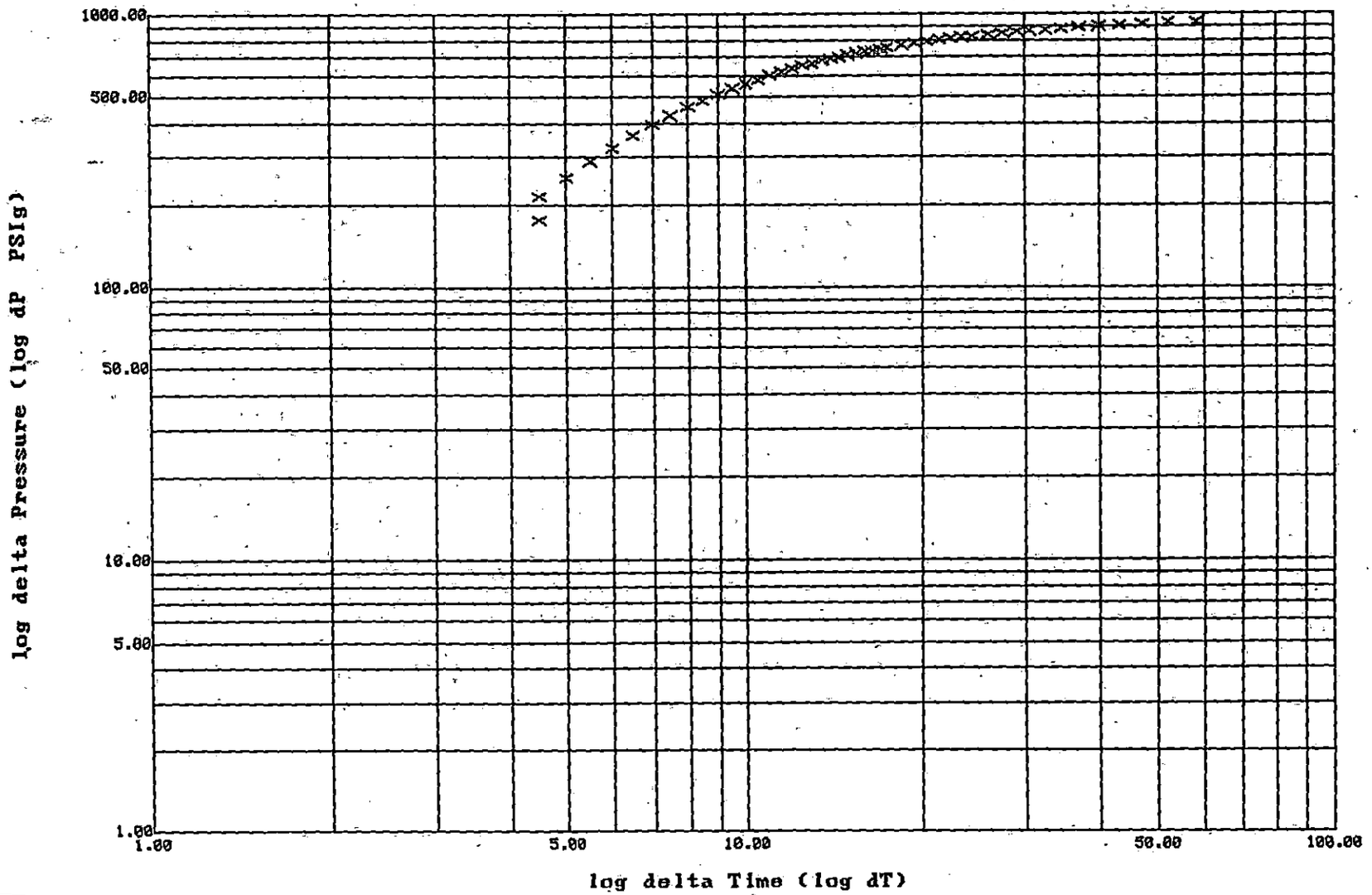
Slope: 540.9070 PSIg/cycle

Ext. Pressure: 1146.9208 PSIg



Ramey Plot: shut-in #1

Crossbar Petroleum Peters 1/26 DST #2

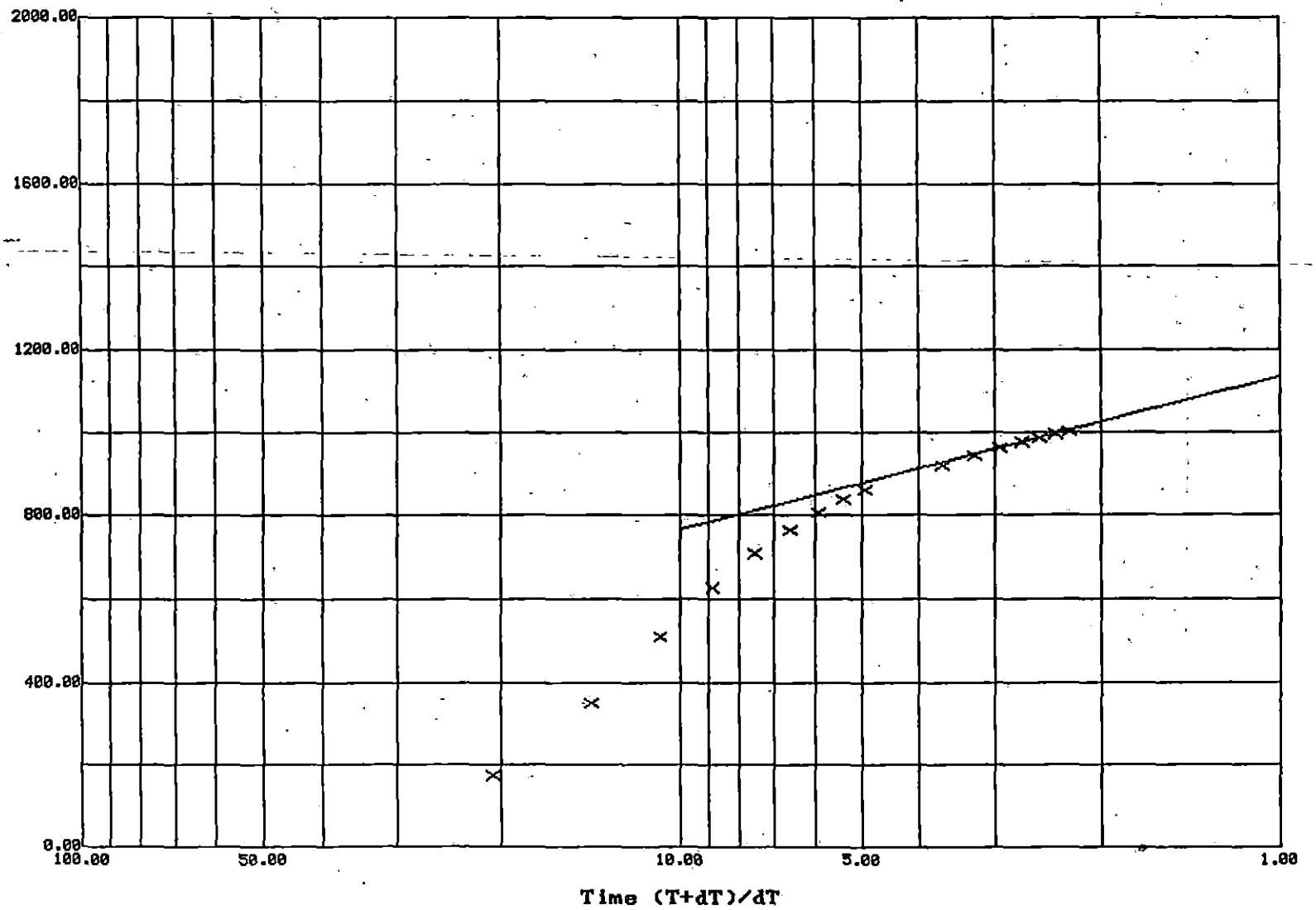


Horner Plot: shut-in #2

Crossbar Petroleum Peters 1/26 DST #2

Slope: 367.9608 PSIg/cycle

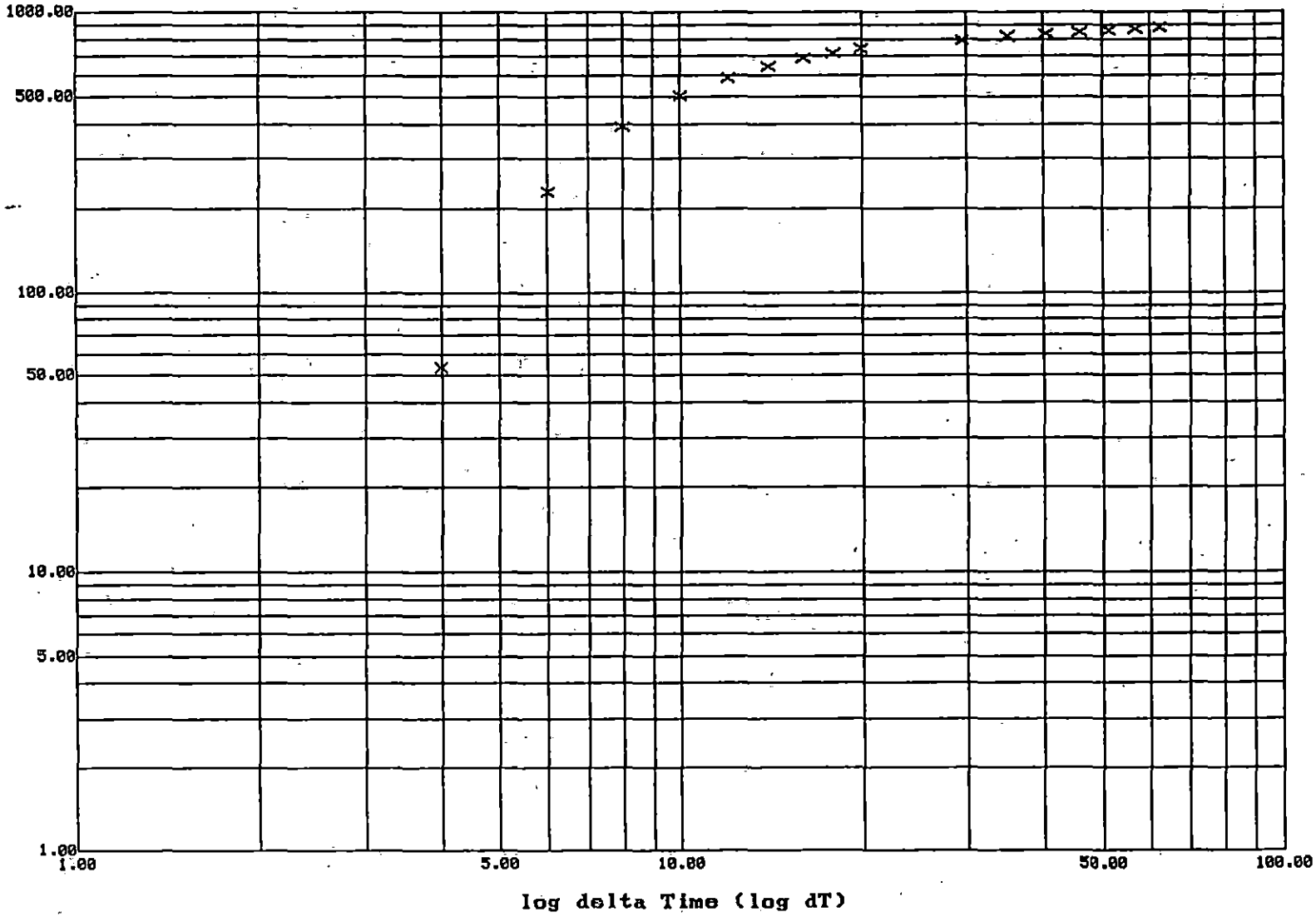
Ext. Pressure: 1133.7448 PSIg



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Ramey Plot: shut-in #2

Crossbar Petroleum Peters 1/26 DST #2



TRILOBITE TESTING L.L.C.

)R : Crossbar Petroleum — DATE 3/10/95
AME: Peters 1-26 — KB 2101.00 ft — TICKET NO: 8280 — DST #2
)N : 26/29s/18w — GR 2092.00 ft — FORMATION: Emporia
AL : 3405.00 To 3439.00 ft — TD 3439.00 ft — TEST TYPE: CONVENTIONAL

ER DATA

	Field	1	2	3	4
5 Rec.	24174	24174	2346		
0 Range(Psi)	3050.0	3050.0	4995.0	0.0	0.0
5 Clock(hrs)	12hr	12hr	alpin		
0 Depth(ft)	3434.0	3434.0	3409.0	0.0	0.0

	Field	1	2	3	4
it Hydro	1613.0	1613.0	1628.0	0.0	0.0
rst Flow	67.0	68.0	36.0	0.0	0.0
nal Flow	89.0	86.0	81.0	0.0	0.0
Shut-in	1009.0	1005.0	1020.0	0.0	0.0
it Flow	119.0	1160.0	83.0	0.0	0.0
nal Flow	126.0	14.0	120.0	0.0	0.0
Shut-in	993.0	988.0	1002.0	0.0	0.0
nal Hydro	1560.0	1547.0	1574.0	0.0	0.0
e/Outside	o	o	i		

ERY
luid 260.00 ft of 121.00 ft in DC and 0.00 ft in DP
0 ft of gassy mud
0 ft of gassy muddy water
ft of
ft of
ft of
ft of
ft of
ft of
ITY 50000.00 P.P.M. A.P.I. Gravity 0.00

DESCRIPTION
Strong--Bottom of bucket in 20
nds.

Strong guaging gas-see report

LES: caught beginning of FF
TO:Caraway

Test Successful: Y

TIME DATA----------
PF Fr. 45 to hr
IS Fr. to 1 hr
SF Fr. 45 to hr
FS Fr. to 1 hr

T STARTED 0340 hr
T ON BOTM 0447 hr
T OPEN 0448 hr
T PULLED 0718 hr
T OUT 0827 hr

TOOL DATA----------
Tool Wt. 1200.00 lbs
Wt Set On Packer 20000.00 lbs
Wt Pulled Loose 21000.00 lbs
Initial Str Wt 48000.00 lbs
Unseated Str Wt 49000.00 lbs
Bot Choke 0.75 in
Hole Size 7.88 in
D Col. ID 2.25 in
D. Pipe ID 3.80 in
D.C. Length 121.00 ft
D.P. Length 3399.00 ft

MUD DATA----------
Mud Type chem
Weight 9.10 lb/cf
Vis. 40.00 S/L
W.L. 12.40 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 97.00 F
Hole Condition good
% Porosity 12.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Paul Simpson
Co. Rep. Tom Blair
Contr. Murfin
Rig # 21
Unit #
Pump T.

GAS RECOVERY

COMPANY: Crossbar Petroleum DATE: 3/10/95
L NAME: Peters 1-26 KB Elev: 2101.00 ft TICKET #8280 DST #2
L LOCATION: 26/29s/18w GR Elev: 2092.00 ft FORMATION: Emporia
INTERVAL Fr.: 3405.00 To 3439.00 T.D.: 3439.00 ft TEST TYPE: CONVENTIONAL

RECOVERY MEASURED WITH merla

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	0	58	12.8
10	0.25	0	50	11.9
15	0.25	0	30	9.2
20	0.25	0	18	7.1
25	0.25	0	14	6.3
30	0.25	0	10	5.3
35	0.25	0	9	5.1
40	0.25	0	8	4.8
45	0.25	0	8	4.8

GAS VOLUME REPORT

CROSSBAR PETROLEUM

PETERS 1-26

DST # 2

MIN	INS. WATER PSIG	ORIFICE	MCF/D
5	58	0.25	12.8
10	50	0.25	11.9
15	30	0.25	9.2
20	18	0.25	7.12
25	14	0.25	6.33
30	10	0.25	5.32
35	9	0.25	5.05
40	8	0.25	4.76
45	8	0.25	4.76

Remarks: GAS TO SURFACE BEGINNING OF INITIAL SHUT IN - WILL BURN.

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
728 North Roosevelt
Liberal, Kansas 67901
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	950146	Analyzed:	03/13/95
Sample From:	Peters 1-26 DST 2	Pressure:	
Producer:	Cross Bar Petroleum	Temperature:	
Date:		Location:	26-29-18
Time:		County:	Kiowa
Sampler:		State:	Kansas
Source:		Formation:	Emporia

		Mole %	GPM
Helium	He:	0.742	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	20.007	0.000
Carbon Dioxide	CO2:	0.176	0.000
Methane	C1:	74.835	0.000
Ethane	C2:	2.232	0.597
Propane	C3:	0.963	0.265
Iso Butane	iC4:	0.186	0.061
Normal Butane	nC4:	0.317	0.100
Iso Pentane	iC5:	0.118	0.043
Normal Pentane	nC5:	0.142	0.051
Hexanes Plus	C6+:	0.282	0.123
	TOTAL:	100.000	1.241
	Z Fact:	0.9983	
	SP.GR.:	0.6764	
	BTU (SAT):	849.3 @ 14.73 psia	
	BTU (DRY):	864.3 @ 14.73 psia	
	OCTANE RATING:	101.2	

COMMENTS: Sample entered under vacuum

Caraway Analytical, 13-Mar-95

RELEASED
MAY 10 1995
FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

3:40

Test Ticket

№ 8280

Well Name & No. Peters 1-26 Test No. 2 Date 3-10-95

Company Crossbar Petroleum Zone Tested Emporia

Address Elevation 2092 GL

Co. Rep./Geo. Tom Blair Cont. Murfin 21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. Kiowa State KS

No. of Copies 7 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 3405 - 3439 Drill Pipe Size 4½ XH

Anchor Length 34 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3400 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3405 Wt. Pipe I.D. — 2.7 Ft. Run ____

Total Depth 3439 Drill Collar — 2.25 Ft. Run 121

Mud Wt. 9.1 lb/gal. Viscosity 40 Filtrate ____

Tool Open @ 4:48 AM Initial Blow strong bottom bucket in 20 seconds

Final Blow strong - gauging gas

Recovery — Total Feet 260 Feet of Gas in Pipe ____ Flush Tool? ____

Rec. 140	Feet Of gassy mud	%gas	%oil	%water	%mud
Rec. 120	Feet Of gassy muddy water	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 97 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW .24 @ 46 °F Chlorides 50,000 ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud	1613	1628	PSI	AK1 Recorder No. 2346	Range 4995
(B) First Initial Flow Pressure	67	36.8	PSI	@ (depth) 3409	w/Clock No. Alp
(C) First Final Flow Pressure	89	81.3	PSI	AK1 Recorder No. 24174	Range 3050
(D) Initial Shut-In Pressure	1009	1020.2	PSI	@ (depth) 3434	w/Clock No. 22348
(E) Second Initial Flow Pressure	119	83	PSI	AK1 Recorder No. ____	Range ____
(F) Second Final Flow Pressure	126	120.3	PSI	@ (depth) ____	w/Clock No. ____
(G) Final Shut-In Pressure	993	1002.3	PSI	Initial Opening 45	Test 600
(H) Final Hydrostatic Mud	1560	1573.7	PSI	Initial Shut-In 60	Jars X 200
				Final Flow 45	Safety Joint X 50
				Final Shut-In 60	Straddle ____
					Circ. Sub ____
					Sampler ____
					Extra Packer ____
					Other electric log chg.
					TOTAL PRICE $ 850

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By ____

Our Representative Tom Simpson

Printcraft Printers - Hays, KS

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Crossbar Petroleum — OPERATOR

Peters — WELL NAME AND NO.

2 — DST NO.

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water ~~PSIG~~	Orifice Size	MCF/D
				5	58	1/4	12.8
				10	50	"	11.9
				15	30	"	9.2
				20	18	"	7.12
				25	14	"	6.33
				30	10	"	5.32
				35	9	"	5.05
				40	8	"	4.76
				45	8	"	4.76

Remarks: G-TS beginning of ISI - will burn

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PETERS 1-26 Test No. 3 Date 3/13/95

Company CROSSBAR PETROLEUM Zone ALTAMONT

Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2101

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4660-4706 Drill Pipe Size 4.5" XH

Anchor Length 46 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4655 Drill Collar – 2.25 Ft. Run 120

Bottom Packer Depth 4660 Mud Wt. 9.2 lb/Gal.

Total Depth 4706 Viscosity 46 Filtrate 9.2

Tool Open @ 5:12AM Initial Blow WEAK BLOW (1/4 INCH). DEAD IN 25 MINUTES.

Final Blow NO BLOW.

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

RELEASED

MAY 10 1995

FROM CONFIDENTIAL

BHT 122 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2235.60 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 39.40 PSI @ (depth) 4703 w / Clock No. 27665

(C) First Final Flow Pressure 39.40 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 52.90 PSI @ (depth) 4697 w / Clock No. 23858

(E) Second Initial Flow Pressure 46.20 PSI AK1 Recorder No. Range

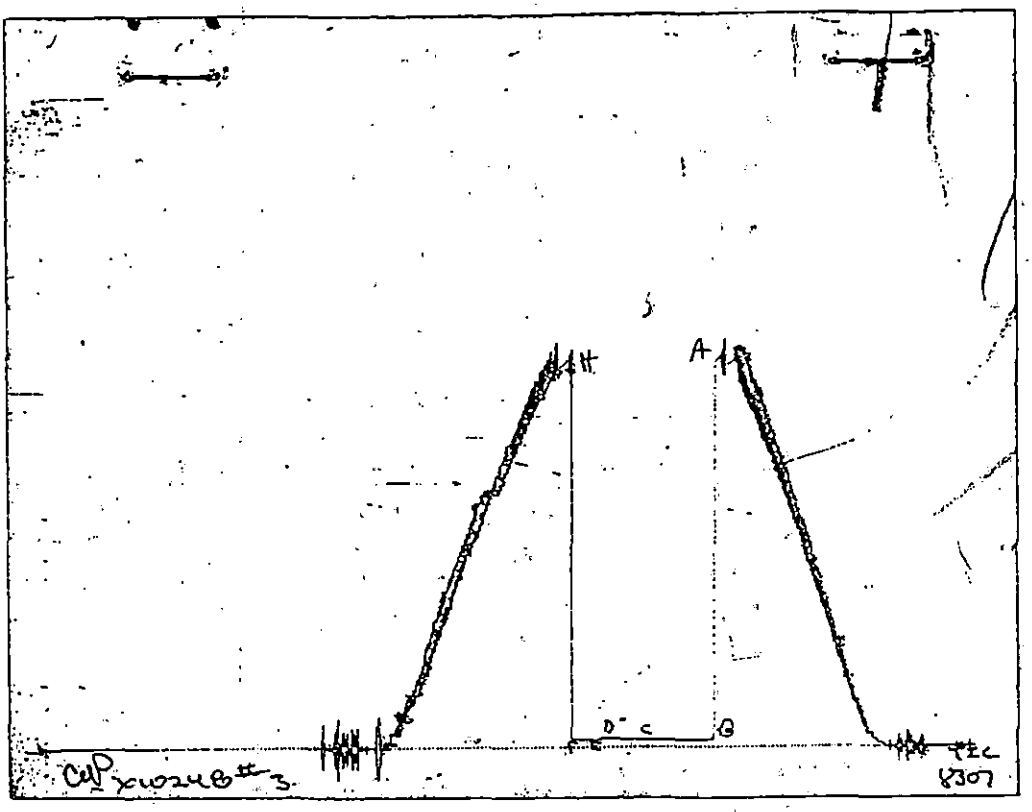
(F) Second Final Flow Pressure 46.20 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 2240.20 PSI Initial Shut-in 30 Final Shut-in NONE

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2212	2235.60
(B) FIRST INITIAL FLOW PRESSURE	28	39.40
(C) FIRST FINAL FLOW PRESSURE	28	39.40
(D) INITIAL CLOSED-IN PRESSURE	34	52.90
(E) SECOND INITIAL FLOW PRESSURE	30	46.20
(F) SECOND FINAL FLOW PRESSURE	30	46.20
(G) FINAL CLOSED-IN PRESSURE	NONE	
(H) FINAL HYDROSTATIC MUD	2195	2240.20

TRILOBITE TESTING L.L.C.
P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8307

Well Name & No. PETERS # 1-26 Test No. 3 Date 3-13-95

Company CROSS BAR PETR. INC. Zone Tested ALTAMONT

Address 151 N. MAIN SUITE 630 / WICHITA KS. 67202 Elevation 2101 K.B.

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN DRLG. #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS.

No. of Copies 7 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4660 - 4706' Drill Pipe Size 4½" X.H.

Anchor Length 46' Top Choke — 1" C Bottom Choke — ¾" C

Top Packer Depth 4655' Hole Size — 7⅞" C Rubber Size — 6¾" C

Bottom Packer Depth 4660' Wt. Pipe I.D. — 2.7 Ft. Run NONE

Total Depth 4706' Drill Collar — 2.25 Ft. Run 120'

Mud Wt. 9.2 lb/gal. Viscosity 46 Filtrate 9.2

Tool Open @ 5:12 A.M. Initial Blow Weak blows. (1/4") Dead in 25 mins.

Final Blow No blows.

Recovery — Total Feet 5' Feet of Gas in Pipe — Flush Tool? Yes

Rec. 5	Feet Of Drlg. Mud.	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 122 °F Gravity N.A. °API @ — °F Corrected Gravity N.A. °API

RW N.A. @ — °F Chlorides 5,000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2212 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 28 PSI @ (depth) 4703' w/Clock No. 27665

(C) First Final Flow Pressure 28 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-In Pressure 34 PSI @ (depth) 4697' w/Clock No. 23858

(E) Second Initial Flow Pressure 30 PSI AK1 Recorder No. — Range —

(F) Second Final Flow Pressure 30 PSI @ (depth) — w/Clock No. —

(G) Final Shut-In Pressure NONE PSI Initial Opening 30 Test C 600

(H) Final Hydrostatic Mud 2195 PSI Initial Shut-In 30 Jars C 200

Final Flow 15 Safety Joint C 30

Final Shut-In NONE Straddle ____

Circ. Sub ____

Sampler ____

Extra Packer ____

Other ✓

TOTAL PRICE $ 950.00

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Approved By [signature]

Our Representative [signature]

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PETERS 1-26 Test No. 4 Date 3/14/95

Company CROSSBAR PETROLEUM Zone MISSISSIPPI

Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2101

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4736-4860 Drill Pipe Size 4.5" XH

Anchor Length 124 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4731 Drill Collar – 2.25 Ft. Run 120

Bottom Packer Depth 4736 Mud Wt. 9.2 lb/Gal.

Total Depth 4860 Viscosity 44 Filtrate 9.2

Tool Open @ 1:00AM Initial Blow WEAK BLOW (1/2 TO 2 INCHES IN WATER)

Final Blow WEAK BLOW (1/2 TO 3/4 INCH).

Recovery - Total Feet 75 Flush Tool? NO

Rec. 75 Feet of DRILLING MUD.

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

RELEASED
MAY 10 1995
FROM CONFIDENTIAL

BHT 106 °F Gravity °API @ °F Corrected Gravity °API

RW 3.13 @ 58 °F Chlorides 6600 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2261.76 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 42.38 PSI @ (depth) 4746 w / Clock No. ELECTR

(C) First Final Flow Pressure 52.95 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 240.44 PSI @ (depth) 4849 w / Clock No. 23858

(E) Second Initial Flow Pressure 55.64 PSI AK1 Recorder No. Range

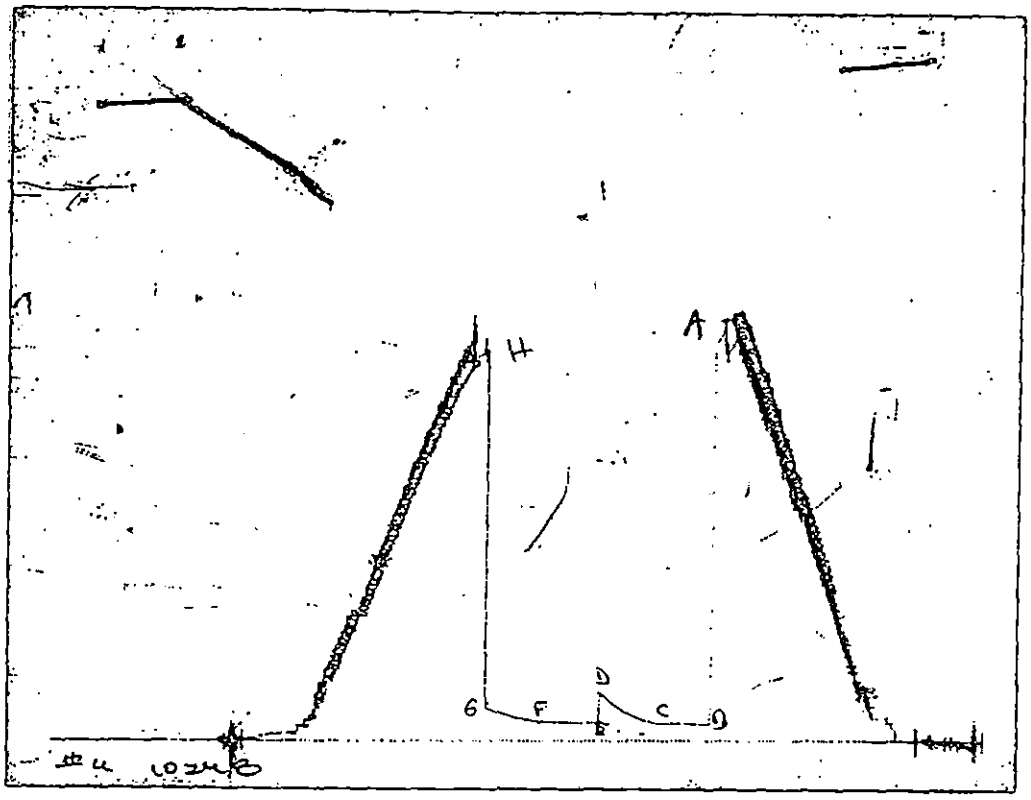
(F) Second Final Flow Pressure 61.85 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 149.47 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2196.80 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of an AK1 recorder chart

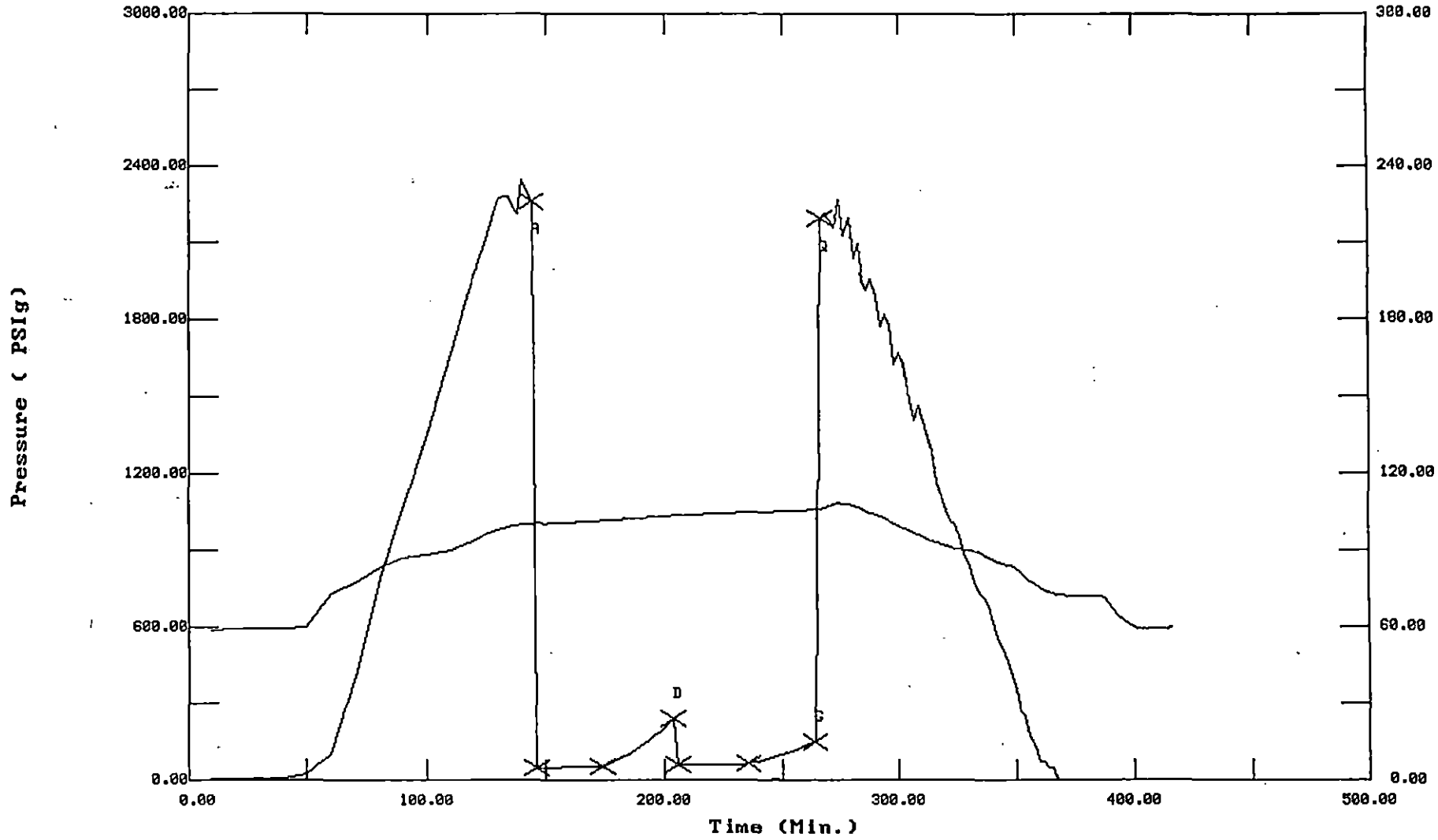
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2349	2261.76
(B) FIRST INITIAL FLOW PRESSURE	85	42.38
(C) FIRST FINAL FLOW PRESSURE	94	52.95
(D) INITIAL CLOSED-IN PRESSURE	281	240.44
(E) SECOND INITIAL FLOW PRESSURE	94	55.64
(F) SECOND FINAL FLOW PRESSURE	96	61.85
(G) FINAL CLOSED-IN PRESSURE	189	149.47
(H) FINAL HYDROSTATIC MUD	2243	2196.80

TEST HISTORY

CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2261.76
B:	0.00	43.38
C:	28.00	52.95
D:	30.00	240.44
E:	0.00	55.84
F:	30.00	61.85
G:	28.00	149.47
Q:	0.00	2196.80



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4
DATE: 03/13/95 TIME: 22:43:41

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	144.00	2261.8	0.0	100.36		
****** Start Flow 1	0.00	43.4	0.0	100.44		
	2.00	44.1	0.8	100.42		
	4.00	45.1	1.8	100.39		
	6.00	46.1	2.7	100.46		
	8.00	47.1	3.7	100.49		
	10.00	48.2	4.8	100.61		
	12.00	49.3	5.9	100.68		
	14.00	50.2	6.8	100.79		
	16.00	49.9	6.5	100.93		
	18.00	51.5	8.1	101.04		
	20.00	51.9	8.5	101.20		
	22.00	51.3	7.9	101.31		
	24.00	51.5	8.1	101.43		
	26.00	53.0	9.7	101.57		
***** End Flow 1	28.00	52.9	9.6	101.70		
***** Start Shutin 1	0.00	52.9	0.0	101.70	0.0000	0.003
	2.00	60.7	7.7	101.81	15.0000	0.004
	4.00	68.4	15.4	101.92	8.0000	0.005
	6.00	76.7	23.8	102.05	5.6667	0.006
	8.00	85.6	32.6	102.17	4.5000	0.007
	10.00	95.1	42.1	102.30	3.8000	0.009
	12.00	105.3	52.4	102.41	3.3333	0.011
	14.00	116.5	63.5	102.53	3.0000	0.014
	16.00	128.2	75.3	102.64	2.7500	0.016
	18.00	141.2	88.2	102.76	2.5556	0.020
	20.00	154.9	102.0	102.88	2.4000	0.024
	22.00	169.9	116.9	103.00	2.2727	0.029
	24.00	185.8	132.9	103.11	2.1667	0.035
	26.00	202.8	149.9	103.17	2.0769	0.041
	28.00	221.1	168.1	103.30	2.0000	0.049
***** End Shut-in 1	30.00	240.4	187.5	103.41	1.9333	0.058
***** Start Flow 2	0.00	55.6	0.0	103.50		
	2.00	56.0	0.3	103.58		
	4.00	56.4	0.8	103.68		
	6.00	55.2	-0.4	103.77		
	8.00	56.1	0.5	103.86		
	10.00	58.7	3.0	103.96		
	12.00	58.9	3.3	104.05		
	14.00	56.1	0.4	104.14		
	16.00	58.1	2.4	104.22		
	18.00	58.1	2.4	104.32		
	20.00	58.7	3.1	104.38		
	22.00	59.1	3.4	104.48		
	24.00	59.0	3.4	104.56		
	26.00	59.6	3.9	104.65		
	28.00	58.7	3.1	104.73		
***** End Flow 2	30.00	61.8	6.2	104.82		
***** Start Shutin 2	0.00	61.8	0.0	104.82	0.0000	0.004
	2.00	66.7	4.9	104.93	30.0000	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4

DATE: 03/13/95 - TIME: 22:43:41

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	6.00	76.8	14.9	105.06	10.6667	0.006
	8.00	81.8	20.0	105.06	8.2500	0.007
	10.00	87.3	25.4	105.17	6.8000	0.008
	12.00	92.8	31.0	105.25	5.8333	0.009
	14.00	98.8	36.9	105.35	5.1429	0.01
	16.00	105.0	43.1	105.44	4.6250	0.011
	18.00	111.4	49.6	105.52	4.2222	0.012
	20.00	118.2	56.4	105.60	3.9000	0.014
	22.00	125.5	63.6	105.68	3.6364	0.016
	24.00	132.9	71.1	105.76	3.4167	0.018
	26.00	141.1	79.2	105.83	3.2308	0.020
****** End Shut-in 2	28.00	149.5	87.6	105.91	3.0714	0.022
****** Final Hydro.	266.00	2196.8	0.0	106.00		

RELEASED

MAY 1 0 1995

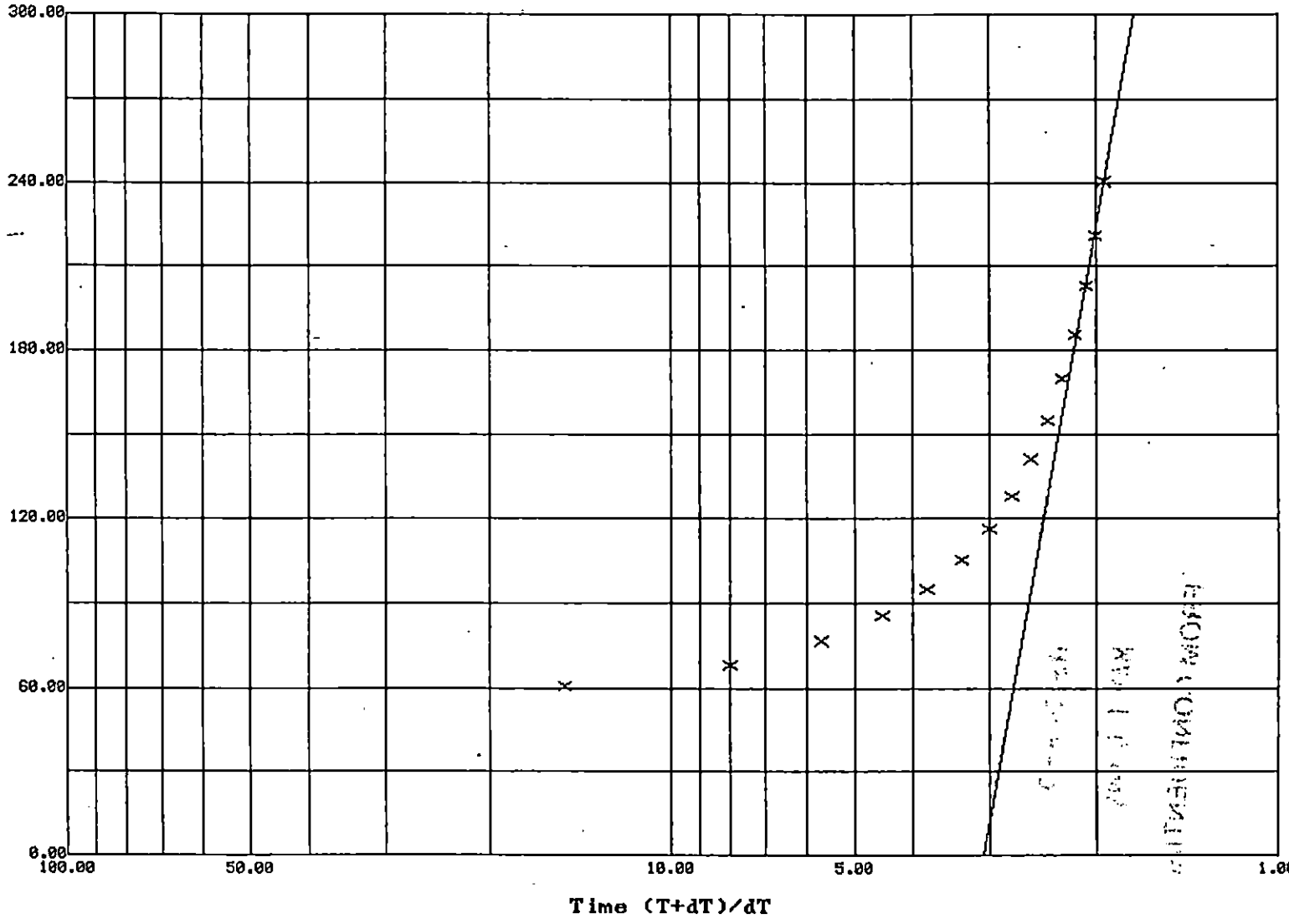
FROM CONFIDENTIAL

Horner Plot: shut-in #1

CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4

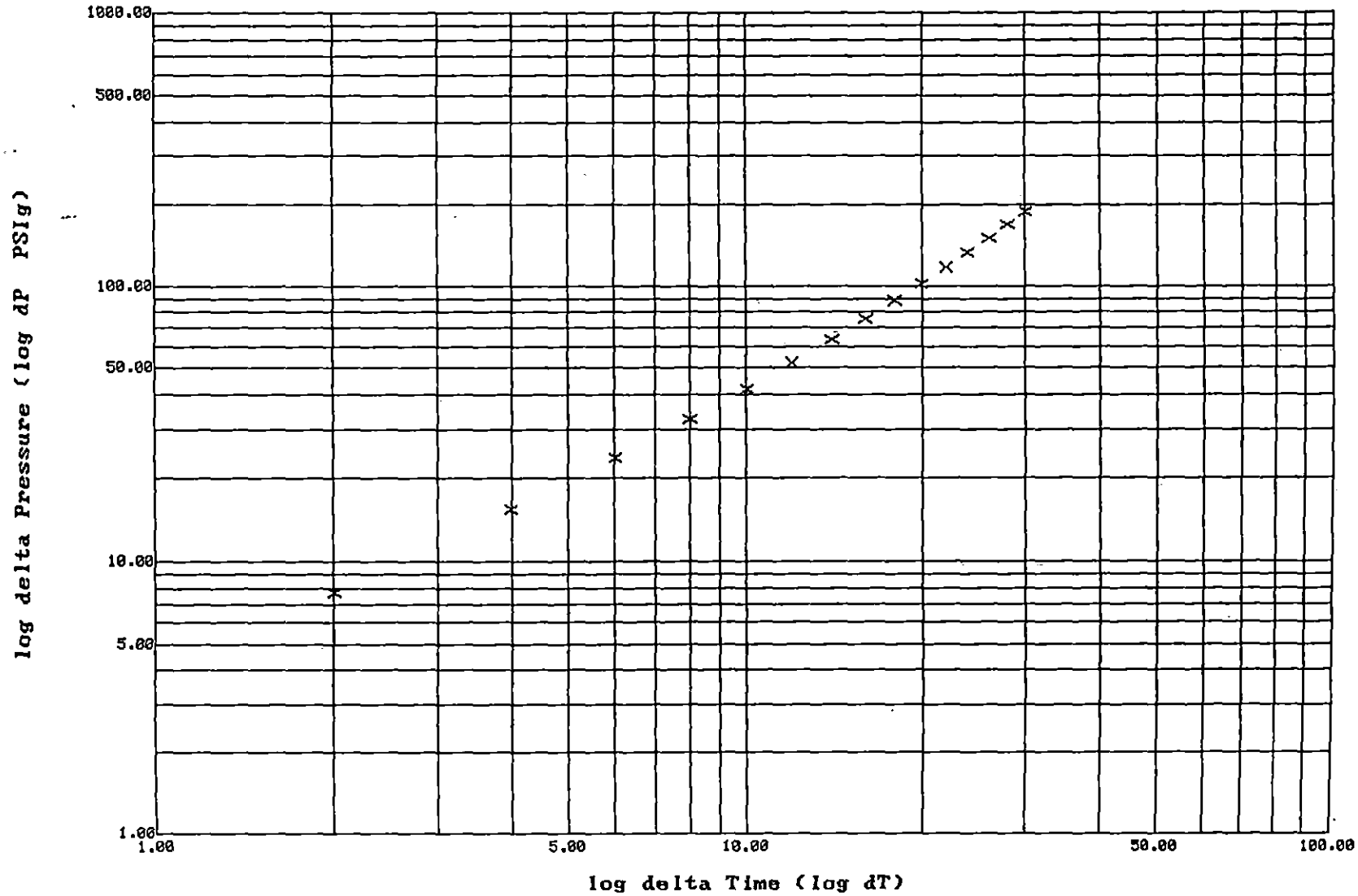
Slope: 1206.5671 PSIg/cycle

Ext. Pressure: 585.3323 PSIg



Ramey Plot: shut-in #1

CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4

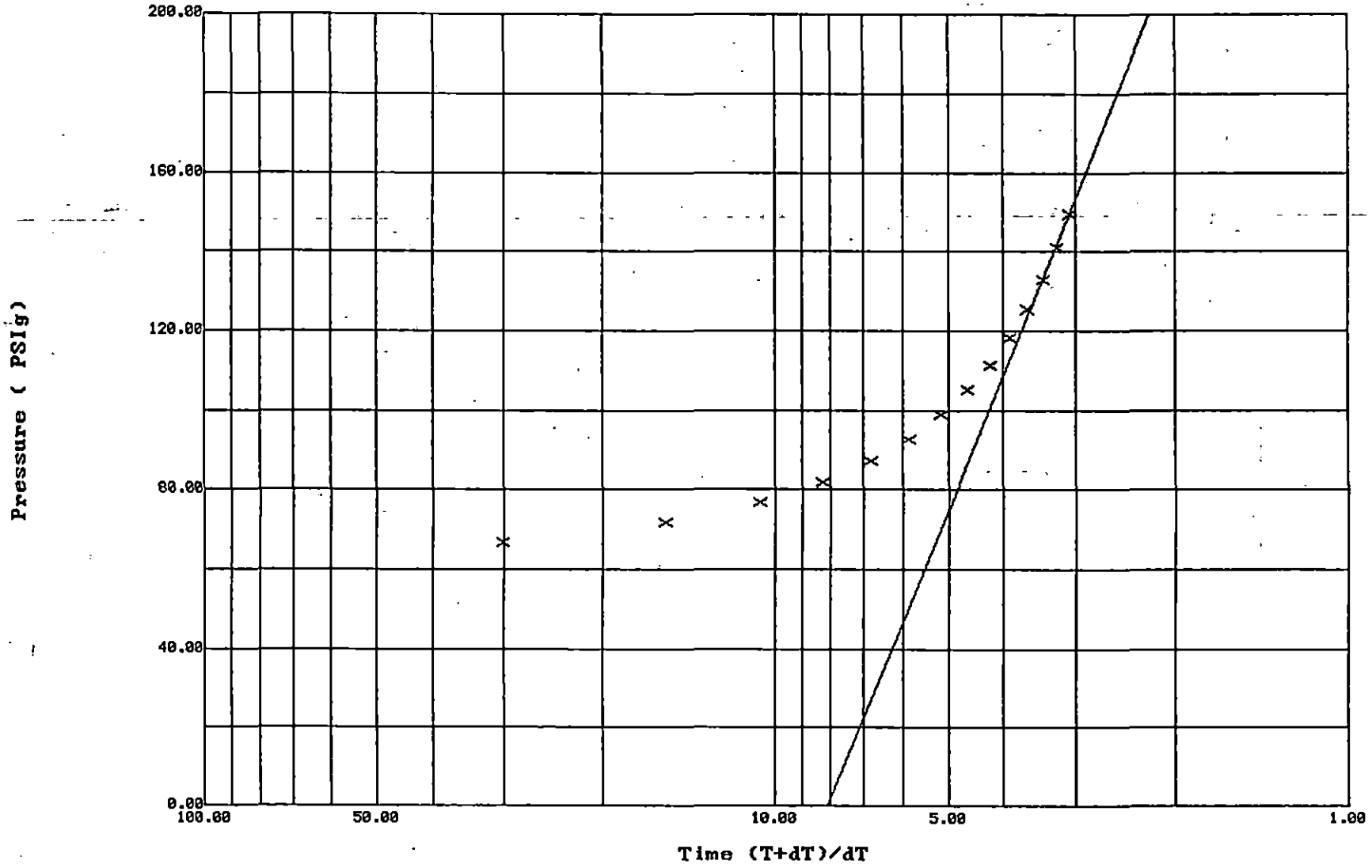


Horner Plot: shut-in #2

CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4

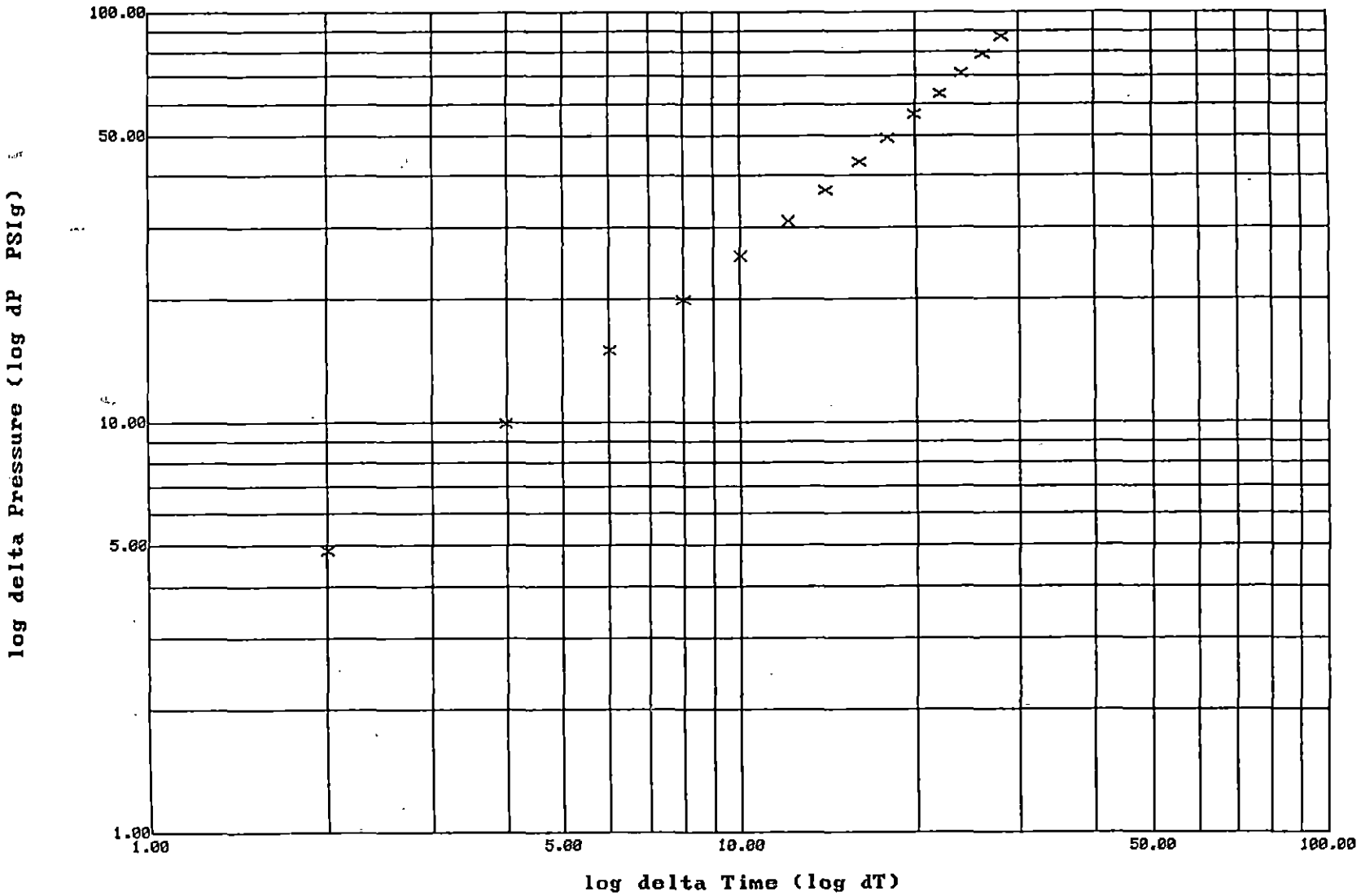
Slope: 357.0431 PSIg/cycle

Ext. Pressure: 323.2796 PSIg



Ramey Plot: shut-in #2

CROSS BAR PETL. INC. PETERS NO. 1-26 DST NO. 4



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 8308

Well Name & No. PETERS II 1-26 Test No. 4 Date 3-14-95

Company CROSS BAR PETE INC. Zone Tested MISS.

Address 151 N. MAIN SUITE 630 / WICHITA KS. 67202-1407 Elevation 2101 K.B.

Co. Rep./Geo. STEVE DAVIS Cont. MURFIN DRLG #21 Est. Ft. of Pay

Location: Sec. 26 Twp. 29S Rge. 18W Co. KIOWA State KS

No. of Copies 7 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4736 - 4860' Drill Pipe Size 4 1/2" X.H.

Anchor Length 124' Top Choke — 1" ✓ Bottom Choke — ¾" ✓

Top Packer Depth 4731' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Bottom Packer Depth 4736' Wt. Pipe I.D. — 2.7 Ft. Run NONE

Total Depth 4860' Drill Collar — 2.25 Ft. Run 120'

Mud Wt. 9.2 lb/gal. Viscosity 44 Filtrate 9.2 cc.

Tool Open @ 1:00 AM Initial Blow Weak blows (1/2 - 2" in 47 29)

Final Blow Weak blows. (1/2 - 3/4")

Recovery — Total Feet 75 Feet of Gas in Pipe ? Flush Tool? No.

Rec. 75 Feet Of	Drlg. Mud.	%gas	%oil	%water	%mud
Rec. ____ Feet Of		%gas	%oil	%water	%mud
Rec. ____ Feet Of		%gas	%oil	%water	%mud
Rec. ____ Feet Of		%gas	%oil	%water	%mud
Rec. ____ Feet Of		%gas	%oil	%water	%mud

BHT 106 °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API

RW 3.13 @ 58 °F Chlorides 6,600 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	AK1 2349	ALPINE 2283 PSI	Recorder No.	23246	Range 4995
(B) First Initial Flow Pressure	85	43 PSI	@ (depth)	4746'	w/Clock No. BATT.
(C) First Final Flow Pressure	94	53 PSI	AK1 Recorder No.	10248	Range 4400
(D) Initial Shut-In Pressure	281	240 PSI	@ (depth)	4849'	w/Clock No. 23858
(E) Second Initial Flow Pressure	94	56 PSI	AK1 Recorder No.	~	Range ~
(F) Second Final Flow Pressure	96	62 PSI	@ (depth)	~	w/Clock No. ~
(G) Final Shut-In Pressure	189	149 PSI	Initial Opening	30	Test ✓ 600
(H) Final Hydrostatic Mud	2243	2215 PSI	Initial Shut-In	30	Jars ✓ 200
			Final Flow	30	Safety Joint ✓ 50
			Final Shut-In	30	Straddle ____
					Circ. Sub ____
					Sampler ____
					Extra Packer ____
					Other ALPINE
					TOTAL PRICE $ ✓

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Approved By _____

Our Representative _____

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