

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4243
Name: Cross Bar Petroleum, Inc.
Address Centre City Plaza- 537
151 N. Main, Suite 630
City/State/Zip Wichita, KS 67202-1407

Purchaser: N/A
Operator Contact Person: C. K. Morrison
Phone (316) 265-2279

Contractor: Name: Murfin Drilling Co., Inc. #21
License: 3060
Wellsite Geologist: Richard S. (Steve) Davis
Thomas E. (Tom) Blair

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
3/5/95 3/16/95 4/12/95
Spud Date Date Reached TD Completion Date

API NO. 15- 097-21,387-0600
County Kiowa
W/2 - SE - NE - Sec. 26 Twp. 29S Rge. 18 W
2010 Feet from N (circle one) Line of Section
940 Feet from W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)
Lease Name Peters Well # 1-26
Field Name Unnamed
Producing Formation N/A, SWD
Elevation: Ground 2092' KB 2101'
Total Depth 5522' PBD N/A
Amount of Surface Pipe Set and Cemented at 532.11' @ 534' KB Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1054 Feet
If Alternate II completion, cement circulated from 1054'
feet depth to surface w/ 175 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 34,000 ppm Fluid volume apx 500 bbls
Dewatering method used Haul off free fluids; allow to evaporate until dry; then backfill when conditions allow
Location of fluid disposal if hauled offsite:
(Note: Copies of CDP-5 attached)
Operator Name Peter H. Beren/ Oil Producers, Inc. of KS
Lease Name V.H. Koehn/Watson #2 License No. 3051/8061
SW/4 Quarter Sec. 28/ Twp. 29 S Rng. 18 SW/4
SW/4 Sec. 8 Twp. 29S R15W
County Kiowa Docket No. 5617
Pratt County, Docket No. CD 24,324

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title C.K. Morrison, Operations Mgr. Date 4-17-95
Subscribed and sworn to before me this 17th day of April, 19 95.
Notary Public [Signature]
Date Commission Expires 4-17-97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
RECEIVED
KANSAS CORPORATION COMMISSION
RELEASED

JO ANN THADEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-17-97

APR 17 1995
MAY 10 1995
Form ACO-1 (7-91)
CONSERVATION DIVISION
WICHITA, KS
FROM CONFIDENTIAL

Operator Name Cross Bar Petroleum, Inc.

Lease Name Peters

Well # 1-26

Sec. 26 Twp. 29S Rge. 18

East

County Kiowa

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run Gamma Ray Neutron

<input type="checkbox"/> Log* *SEE SUPPLEMENT	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Name	Top	Datum
Anhydrite (Stone Corral)	1024	+1077
Krider	2382	- 281
Cottonwood	2923	- 822
Wabaunsee	3216	-1115
Stotler	3350	-1249
Emporia	3434	-1333

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*See ACO-1 Supplement Page 2 **CASING RECORD** New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD

Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____

MAY 1 1982

FROM CONFIDENTIAL

CONFIDENTIAL

ACO-1 Supplement
API #15,097-21,387
Page 1 of 2

Cross Bar Petroleum - 1-26 Peters
W/2 SE/4 NE/4 Section 26-T29S-R18W
Kiowa Co., KS

ORIGINAL

Formation	Log Tops	Datum
Heebner	4022	-1921
Brown LS	4200	-2099
Lansing "A" Porosity	4218	-2117
Lansing "B" Porosity	4241	-2140
Lansing "C" Porosity	4277	-2176
Drum	4389	-2288
Stark	4475	-2374
Swope Porosity	4479	-2378
Hushpuckney	4520	-2419
Hertha	4542	-2441
Base/ Kansas City	4618	-2517
Marmaton	4631	-2530
Altamont Porosity	4698	-2597
Pawnee Porosity	4717	-2616
Cherokee Shale	4758	-2657
Mississippian Unconformity	4821	-2720
Mississippian Porosity	4850	-2749
Viola	5043	-2942
Simpson Shale	5218	-3117
Arbuckle	5347	-3246


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MAY 10 1995

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DST #1, 3355' - 3382', STOTLER, 45-60-45-60, 1st op - GTS 28", GA 25.1M/ 30", 26.8M/ 40", 28M/ 45".
2nd op - GA 59.5 M/ 5", 45.2M/ 10", 38.6M/ 20", 39.6M/ 30", 40.7M/ 40".
Recovered: 35' GM, IHP 1621#, IFP 17-21#, ISIP 1194#, FFP 20-23#, FSIP 1183#, FHP 1602#, BHT 91°F.

DST #2, 3405' - 3439', EMPORIA, 1st op - GTS 45", No GA, 2nd op - Immediately, GA 12.8M/ 5", 11.9M/ 10", 7.7M/ 20", 5.3M/ 30", 4.8M/ 40". Recovered: 140' GM, 120' GMW-Chl 50000 ppm, System Chl 7000 ppm. IHP 1628#, IFP 37-81#, ISIP 1020#, FFP 83-120#, FSIP 1002#, FHP 1573#, BHT 97°F. Mud: Wt 9.2,

DST #3, 4660' - 4706', ALTAMONT, 30-30-15-out. 1st op - wk surface blow, died in 25', 2nd op - no blow.
Recovered 5' M. IHP 2212#, IFP 28-28#, ISIP 34#, FFP 30-30#, FSIP N/A, FHP 2195#, BHT 122°F.

DST #4, 4736' - 4860', CHEROKEE/MISSISSIPPIAN. 30-30-30-30-, Recovered 75' DM, IHP 2349#, IFP 85-94#, ISIP 281#, FFP 94-96#, FSIP 189#, FHP 2233#, BHT 106°F.

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APR 17 1995

CONSERVATION DIVISION
WICHITA, KS

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ACO-Supplement
API #15,097-21,387
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Cross Bar Petroleum, Inc. - #1-26 Peters
W/2 SE/4 NE/4 Sec. 26-T29S-R18W
Kiowa Co., KS

ORIGINAL

Casing Record:

Surface -

12-1/4" hole; 532.11' of new 8-5/8" 25# csg set at 534' KB. Cemented w/ 60/40 Pozmix, 305 sks, 2% Gel 3% CaCl₂ & 1/4#/ sk Flo-Seal.

Production/Disposal -

7-7/8" hole; 5285.38' of used 5-1/2" 14# csg set at 5300' KB. Cemented w/ 65/35 Pozmix, 75 sks, 6% Gel; 1/4#/sk Flo-Seal and Class A-ASC (Surefill), 100 sks, 5#/ sk Kol-Seal.

Disposal/Liner -

5-1/2" & 7-7/8" hole; 160.07' of used 4-1/2" 10.5# csg set from 5201' to 5361' KB. Cemented w/ Class A-Common, 50 sks, no additives.

Additional Cementing Record:

Port Collar -

5-1/2"; @ 1054' - cemented from 1054' to Surface. Cemented w/ 63/35 Pozmix, 125 sks, 2% CaCl₂ & 1/4#/sk Flo-Seal and Class A-Common, 50 sks, 2% CaCl₂ & 1/4#/sx Flo-Seal.

Acid Treatment -

Open Hole 5361' to 5522'. (Arbuckle Dolomite) Acidized w/ 2000 gal 28% DS HCl acid w/ 4 gpt A-2 inhibitor.

Tubing Record -

Reconditioned 2-7/8" 6.5# EUE 8rd R-2 Type 1 Seal Tite PVC lined tubing w/ seals set at 5170' w/ packer @ 5170' KB. Note: 5 jts (149') new 2-3/8" Koch K1200 FC integral jt tbg used as tail pipe @ 5321'. Liner was run (refer to Casing Record).

Date of First Injection: April 19, 1995

Method of Completion: SWD Injection Well. Open Hole 5361' - 5522' Arbuckle Dolomite

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CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Caraway Analytical, L.L.C.

Mon

Mar 13 95

19:24

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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
Sample From: Peters 1-26 DST 1
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 03/13/95
Pressure:
Temperature:
Location: 26-29-18
County: Kiowa
State: Kansas
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:

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CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

ORIGINAL

Caraway Analytical, L.L.C.

Mon Mar 13 95

19:25

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API#15-097-21387

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

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CONSERVATION DIVISION
WICHITA, KS

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TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

API# 15-097-21387

Drill-Stem Test Data

ORIGINAL

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.

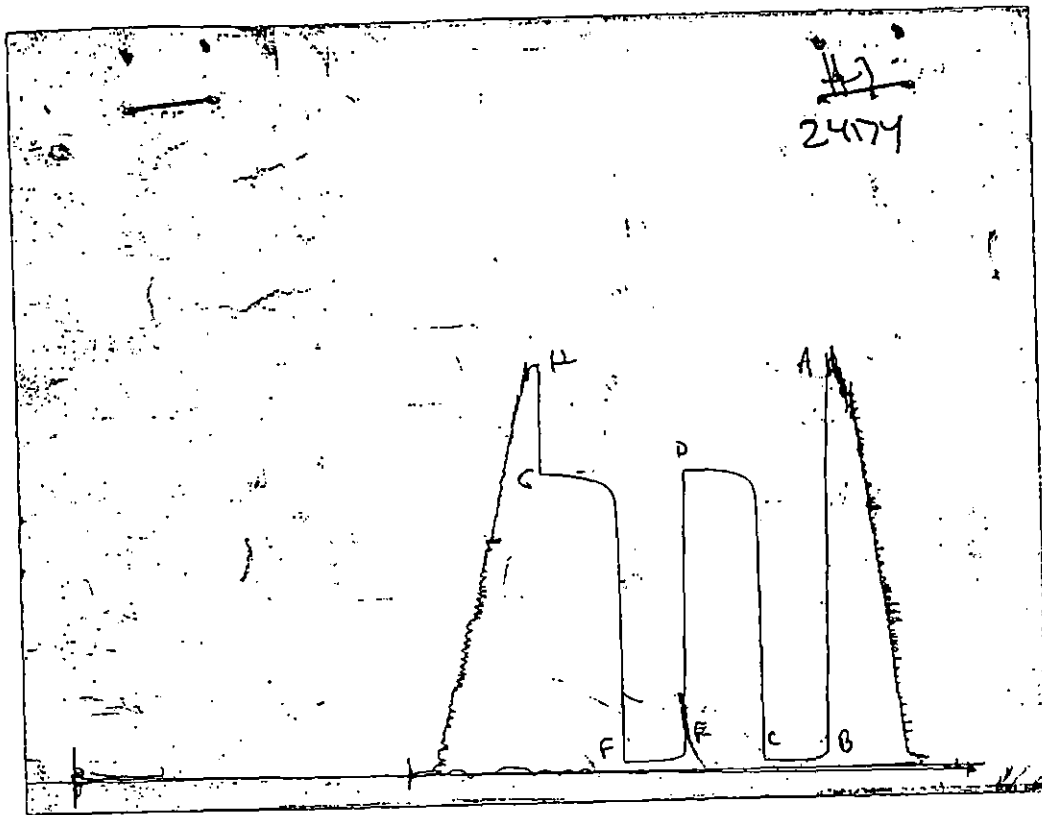
Recovery - Total Feet 35 Flush Tool? NO
Rec. 35 Feet of GASSY MUD **RELEASED**
Rec. _____ Feet of _____ **MAY 10 1995**
Rec. _____ Feet of _____ **FROM CONFIDENTIAL**
Rec. _____ Feet of _____
Rec. _____ Feet of _____

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

TEST HISTORY

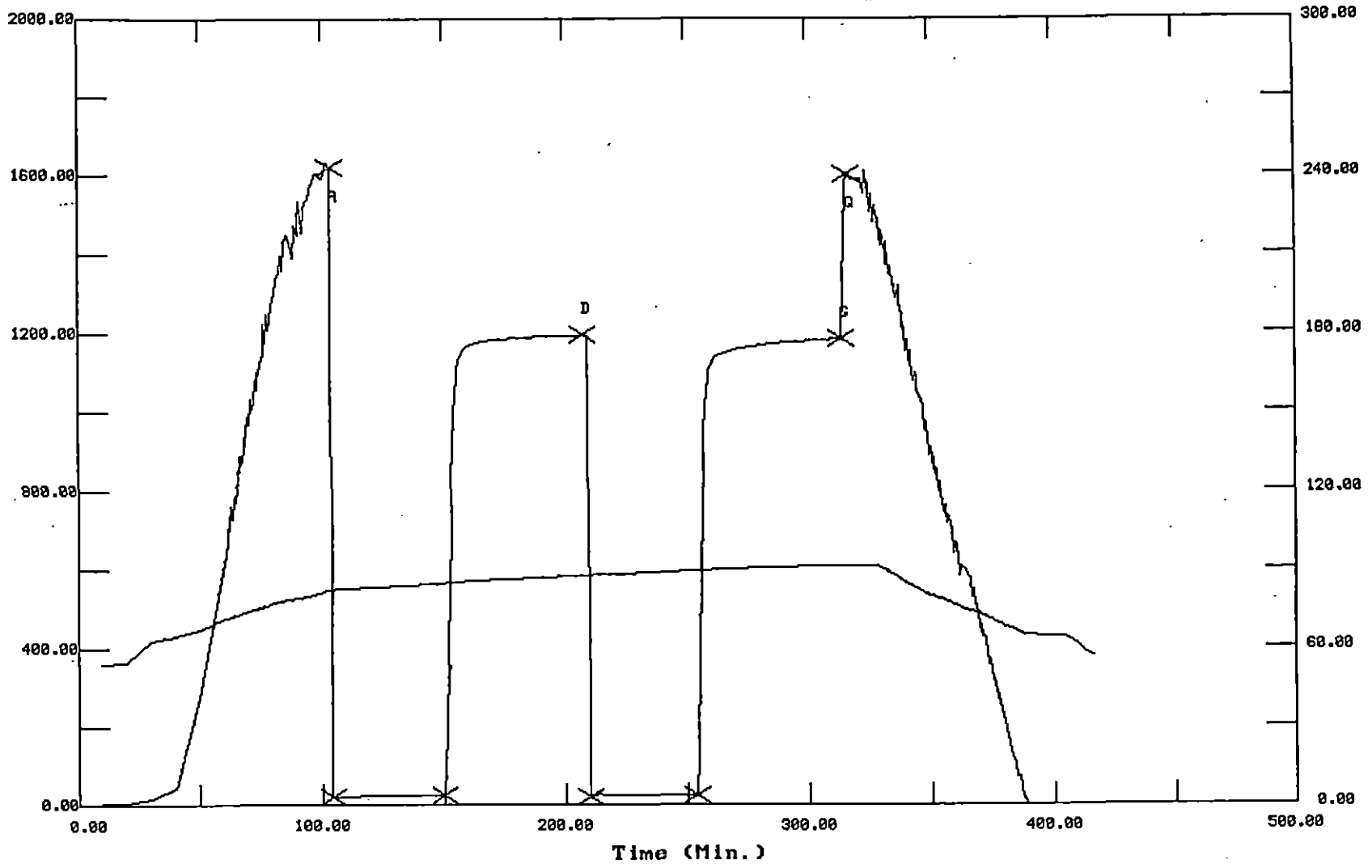
Crossbar Petroleum Peters 1-26 DST #1

RELEASED
MAY 10 1995
FROM CONFIDENTIAL

	t (Min.)	P (PSig)	Flag Points
R:	0.00	1621.90	
B:	0.00	17.03	
C:	46.00	21.31	
D:	58.00	1194.12	
E:	0.00	19.00	
F:	43.50	23.07	
G:	60.00	1183.37	
Q:	0.00	1602.34	

ORIGINAL

Pressure (PSig)



Temperature (DEG F)

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Péters 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

RELEASED

MAY 10 1995

FROM CONFIDENTIAL

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
60.00	1183.4	1160.3	91.31	2.4917	1.400
***** End Shut-in 2					
***** Final Hydro.	316.50	1602.3	0.0	91.36	

Horner Plot: shut-in #1

Crossbar Petroleum Peters 1-26 DST #1

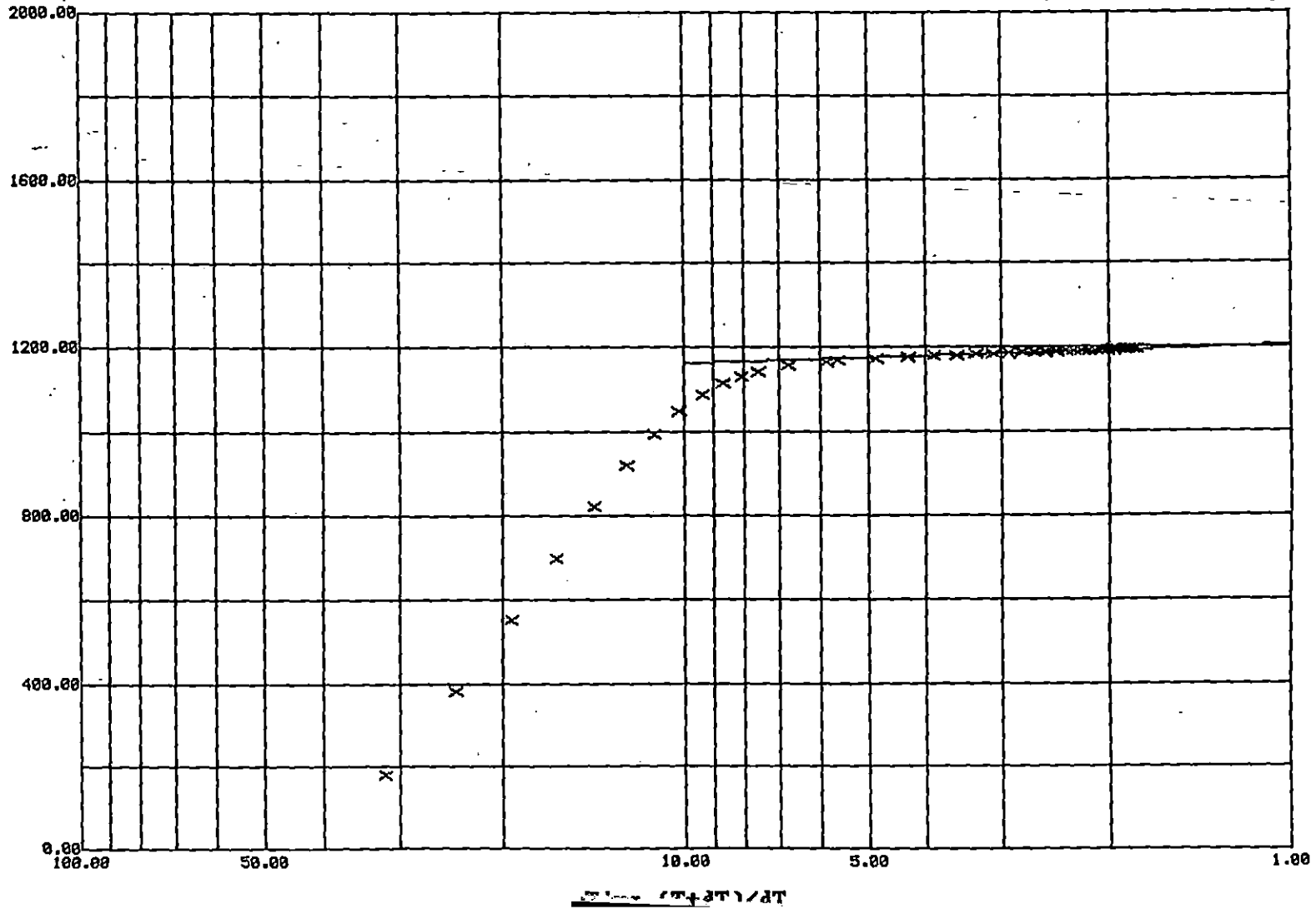
Slope: 43.0989 PSig/cycle
 Ext. Pressure: 1205.1486 PSig

RELEASED

MAY 10 1995

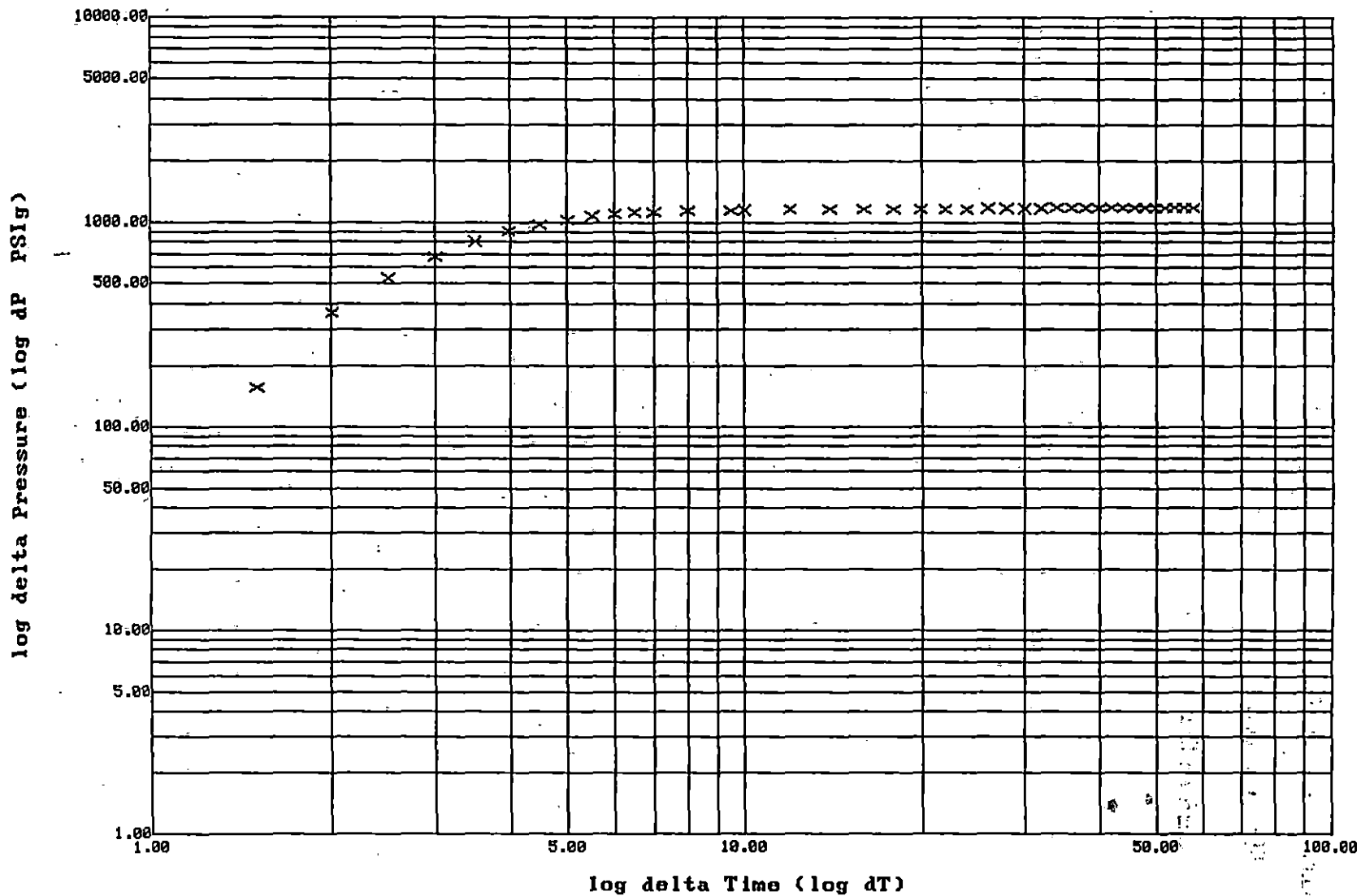
FROM CONFIDENTIAL

Pressure (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

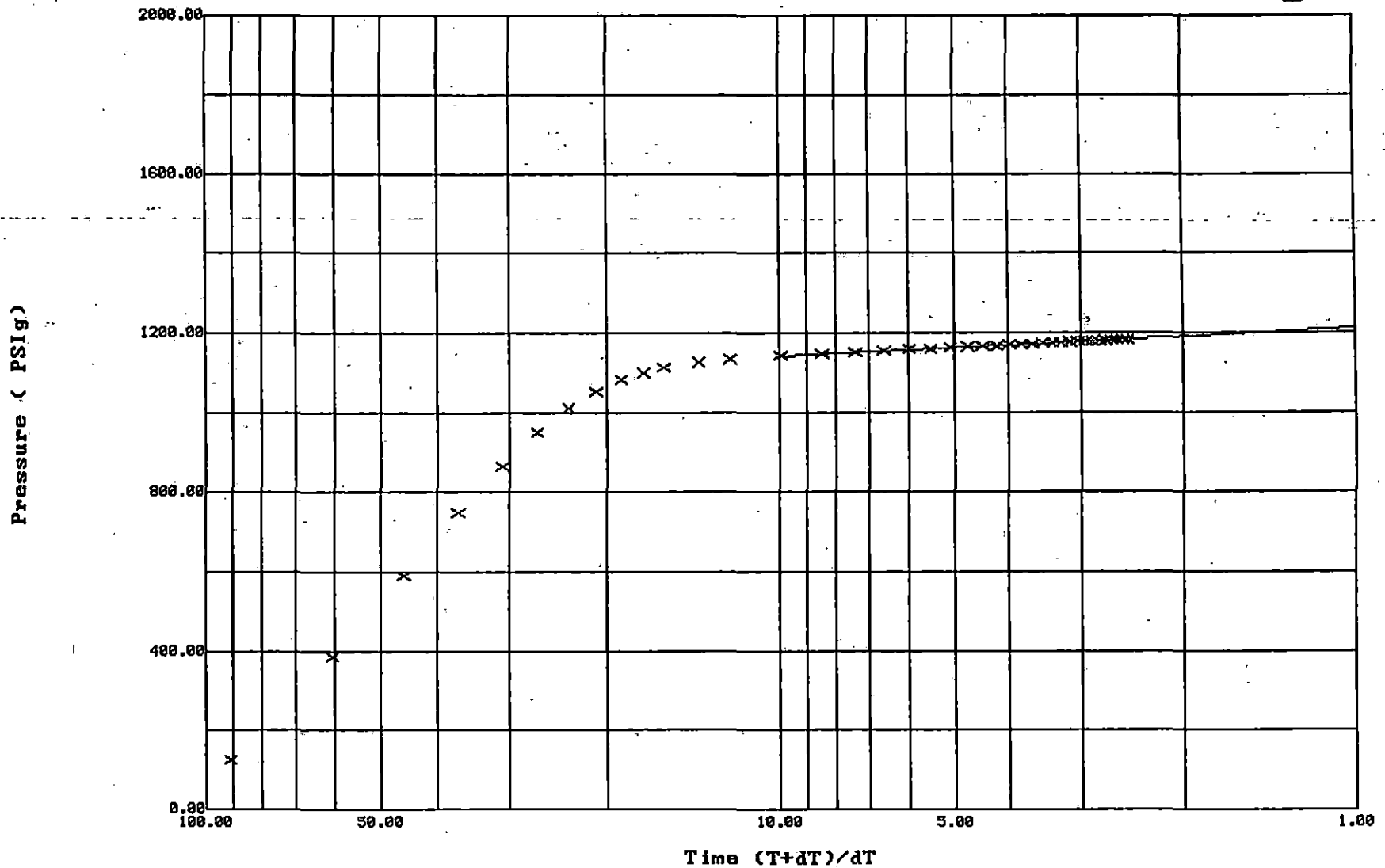
Slope: 68.0504 PSig/cycle

Ext. Pressure: 1210.7755 PSig

RELEASED

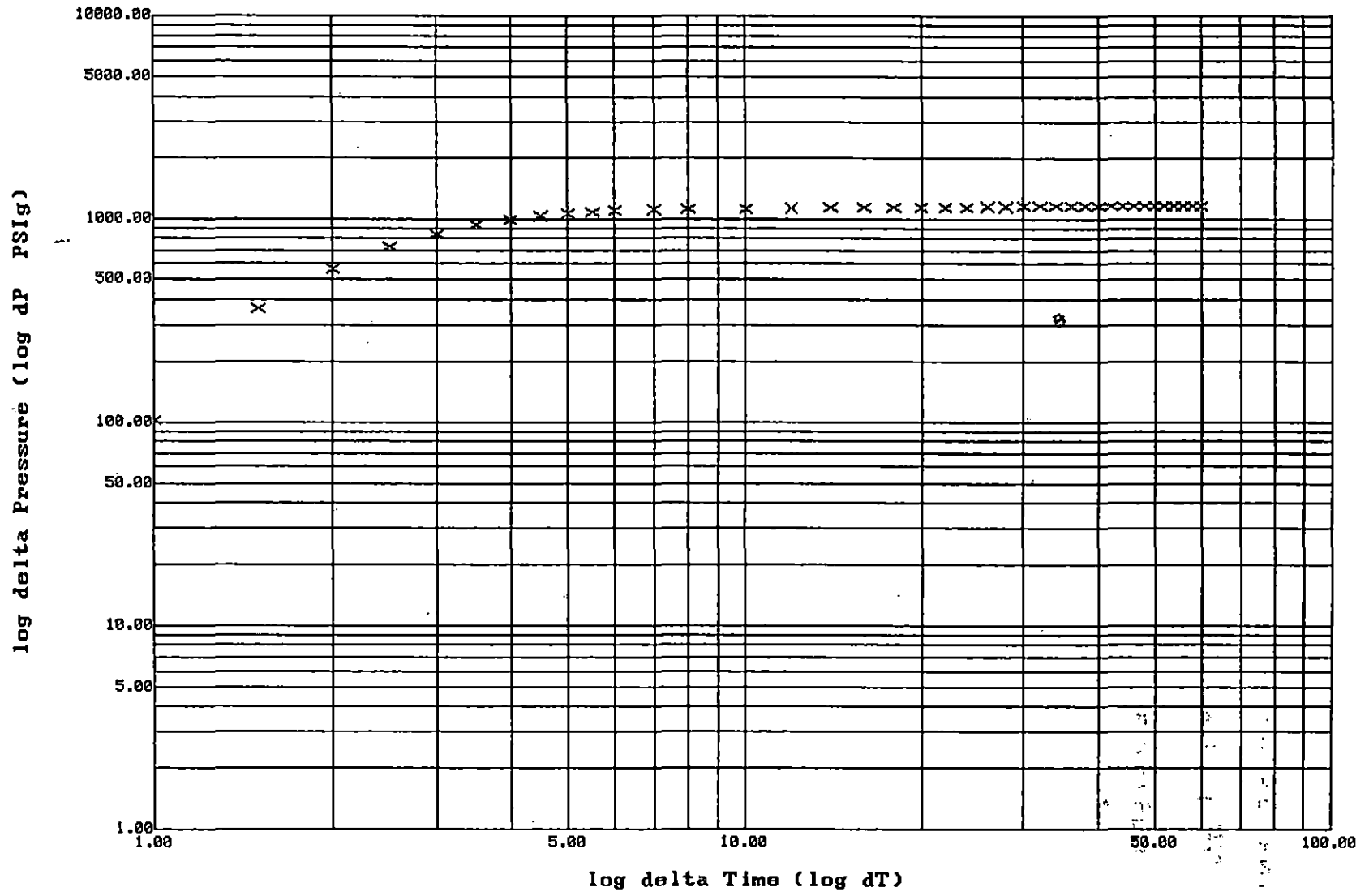
MAY 10 1995

FROM CONFIDENTIAL



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

SION : 26/29s/18w

GR 2092.00 ft

FORMATION: Stotler

VAL : 3355.00 To 3382.00 ft

TD 3382.00 ft

TEST TYPE: CONVENTIONAL

ORDER DATA

Field	1	2	3	4	TIME DATA
45 Rec.	2346	24174			PF Fr. 45 to hr
60 Range(Psi)	4995.0	3050.0	0.0	0.0	0.0 IS Fr. to 1 hr
45 Clock(hrs)	alp	12hr			SF Fr. 45 to hr
60 Depth(ft)	3360.0	3378.0	0.0	0.0	0.0 FS Fr. to 1 hr

Field	1	2	3	4	
Init Hydro	1621.0	1613.0	0.0	0.0	0.0 T STARTED 1320 hr
First Flow	17.0	30.0	0.0	0.0	0.0 T ON BOTM 1330 hr
Final Flow	21.0	22.0	0.0	0.0	0.0 T OPEN 1331 hr
In Shut-in	1194.0	1168.0	0.0	0.0	0.0 T PULLED 1701 hr
Init Flow	20.0	37.0	0.0	0.0	0.0 T OUT 1810 hr
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
Side/Outside	i	o			

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

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

MINITY 0.00 P.P.M. A.P.I. Gravity 0.00

W DESCRIPTION

: Strong--Bottom of bucket in 2.5 minutes 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

Reversed Out N
Tool Chased N
Tester Paul Simpson
Co. Rep. Tom Blair
Contr. Murfin
Rig # 21
Unit #
Pump T.

RELEASED

MAY 1 0 1995

FROM CONFIDENTIAL

MPLES: 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 *10⁶ psi²/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

WELL LOG
PETERS 1-26
STOTLER

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

Caraway Analytical, 13-Mar-95

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8279

Well Name & No. Peters 1-26 Test No. 1 Date 3-9-95
 Company Crossbar Petroleum Zone Tested Shutler
 Address 151 N Main #630 Wichita Ks 67202-1407 Elevation 2092 GZ
 Co. Rep./Geo. Tan Blair cont. Murkin #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 4 1/2 XH
 Anchor Length 27 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3350 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 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 2 1/2 minutes
175 in 28 minutes
 Final Blow strong - gauging gas - see report

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
Rec. <u>35</u> Feet Of <u>gassy mud</u>	%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 _____	

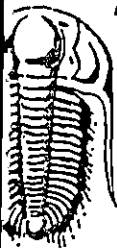
BHT 91 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

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

(A) Initial Hydrostatic Mud	AK1	API	PSI	AK1 Recorder No.	Range
<u>1613</u>	<u>1621.9</u>	<u>17.0</u>	<u>3360</u>	<u>2346</u>	<u>4995</u>
(B) First Initial Flow Pressure			@ (depth)		w/Clock No.
<u>30</u>	<u>21.3</u>	<u>19.8</u>	<u>3378</u>	<u>24174</u>	<u>3050</u>
(C) First Final Flow Pressure			@ (depth)		w/Clock No.
<u>22</u>	<u>1168</u>	<u>1183.7</u>	<u>45</u>		
(D) Initial Shut-In Pressure			Initial Shut-In		Jars
<u>1168</u>	<u>1590</u>	<u>1602.3</u>	<u>60</u>		<u>200</u>
(E) Second Initial Flow Pressure			Final Flow		Safety Joint
<u>37</u>			<u>45</u>		<u>50</u>
(F) Second Final Flow Pressure			Final Shut-In		Straddle
<u>30</u>			<u>60</u>		Circ. Sub
(G) Final Shut-In Pressure					Sampler
<u>1160</u>					Extra Packer
(H) Final Hydrostatic Mud					Other <u>electrec. no/ply</u>
<u>1590</u>					TOTAL PRICE \$ <u>850</u>

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



TRILOBITE TESTING

P.O. Box 382 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Crossbar Petroleum, Inc

OPERATOR

Peter

WELL NAME AND NO.

DST NO. 1

n.	Ins. of Water Perf	Orifice Size	MCF/D	Min.	Ins. of Water Perf	Orifice Size	MCF/D
0	16	1/2	25.1	5	90	1/2	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
							RELEASED
							MAY 10 1995
							FROM CONFIDENTIAL

Remarks: GTS 28 min - IF

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
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 _____

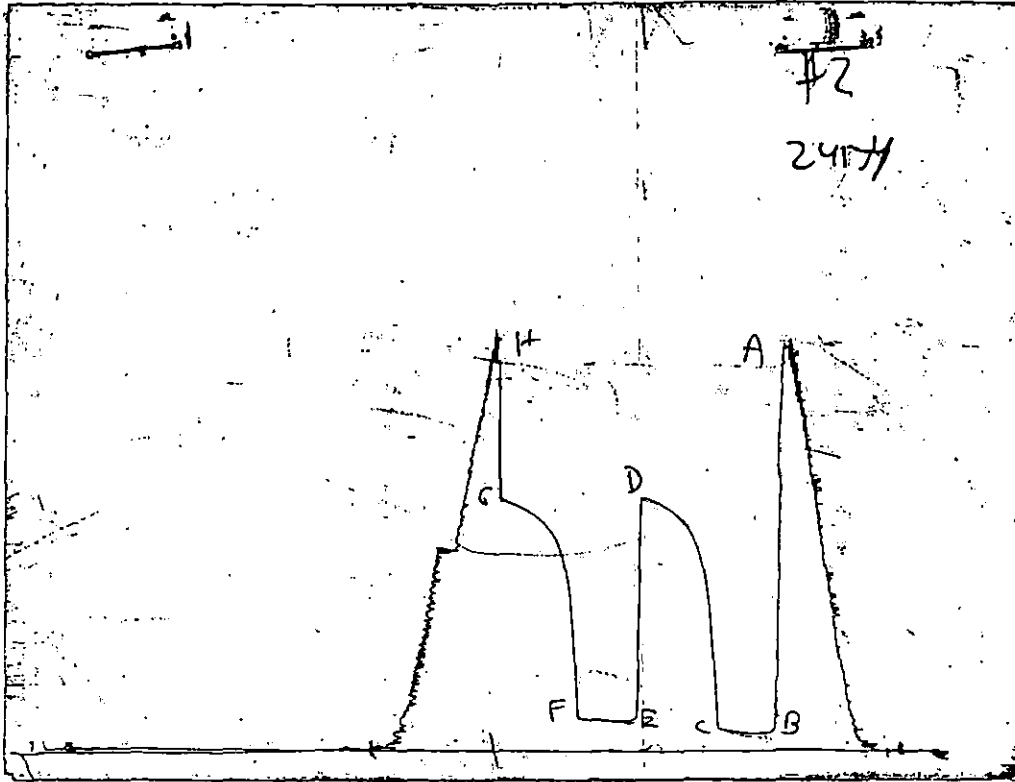
(F) Second Final Flow Pressure 120.34 PSI @ (depth) _____ w / Clock No. _____

(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

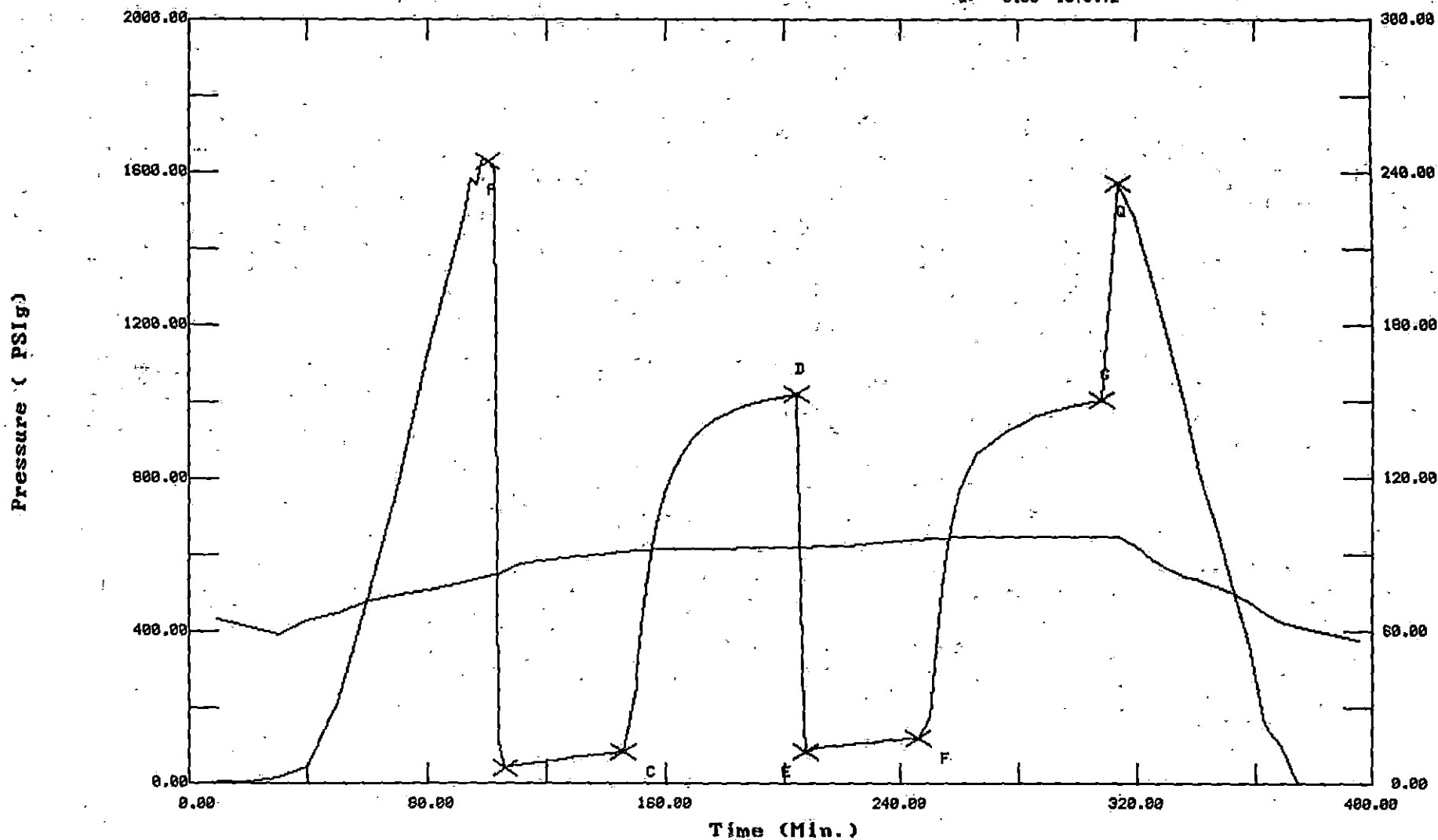
Crossbar Petroleum Peters 1/26 DST #2

	Flag Points	
	t (Min.)	P (PSig)
R1	0.00	1628.44
B1	0.00	36.84
C1	48.00	81.32
D1	58.50	1020.47
E1	0.00	83.08
F1	38.50	120.34
G1	62.50	1002.34
Q1	0.00	1573.72

RELEASED

MAY 10 1995

FROM CONFIDENTIAL



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1/26 DST #2

DATE: 03/10/95

TIME: 03:07:10

	Time	Pressure PSI _g	delta P PSI _g	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

NOV 1 1995

FROM OPERATOR

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum Peters 1/26 DST #2

DATE: 03/10/95

TIME: 03:07:10

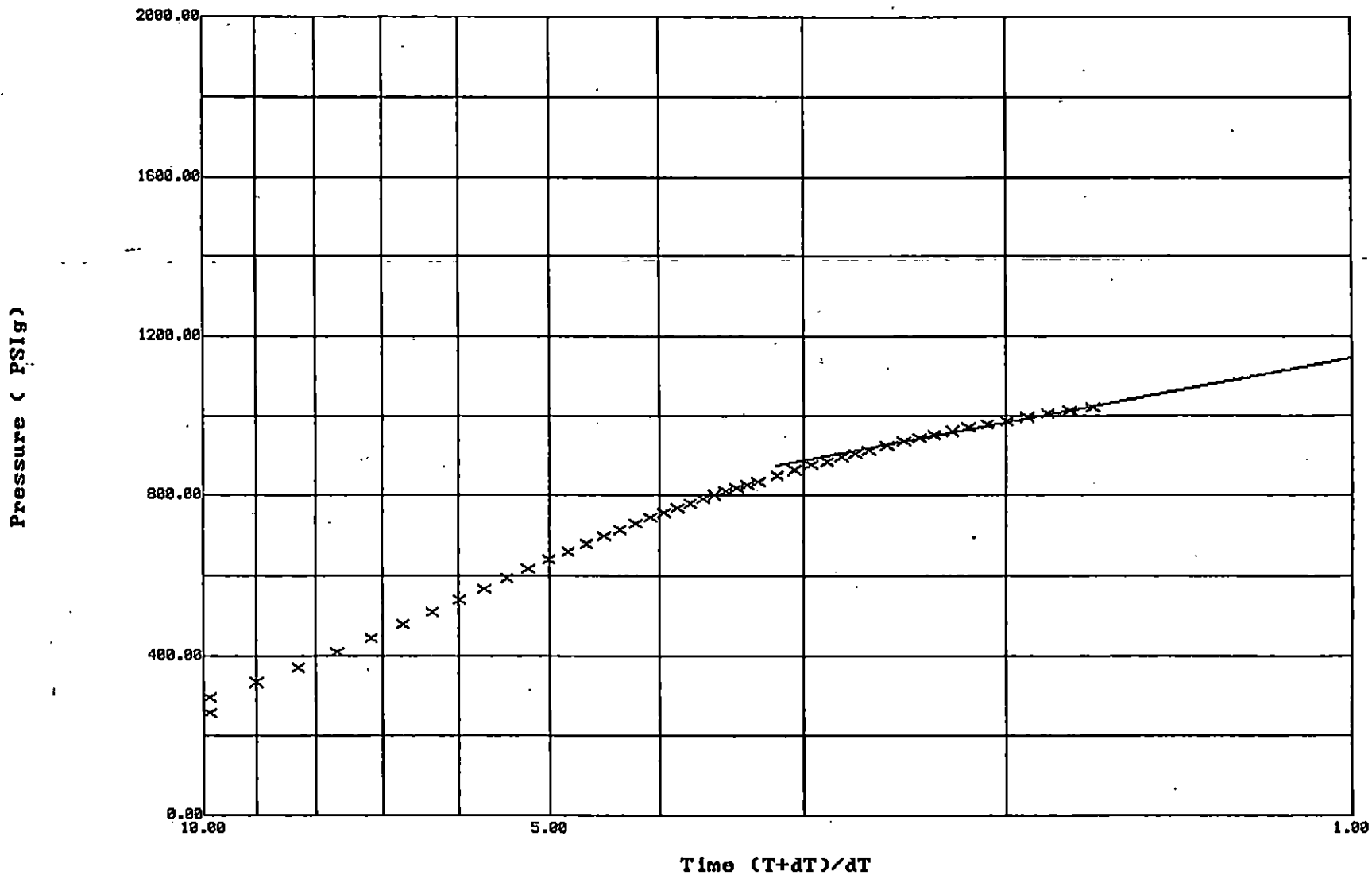
	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	37.00	977.3	896.0	92.54	2.0811	0.955
	40.00	986.4	905.1	92.59	2.0000	0.973
	43.50	995.4	914.1	92.63	1.9195	0.991
	47.50	1003.9	922.5	92.70	1.8421	1.008
	52.50	1012.3	931.0	92.74	1.7619	1.025
***** End Shut-in 1	58.50	1020.5	939.2	92.84	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

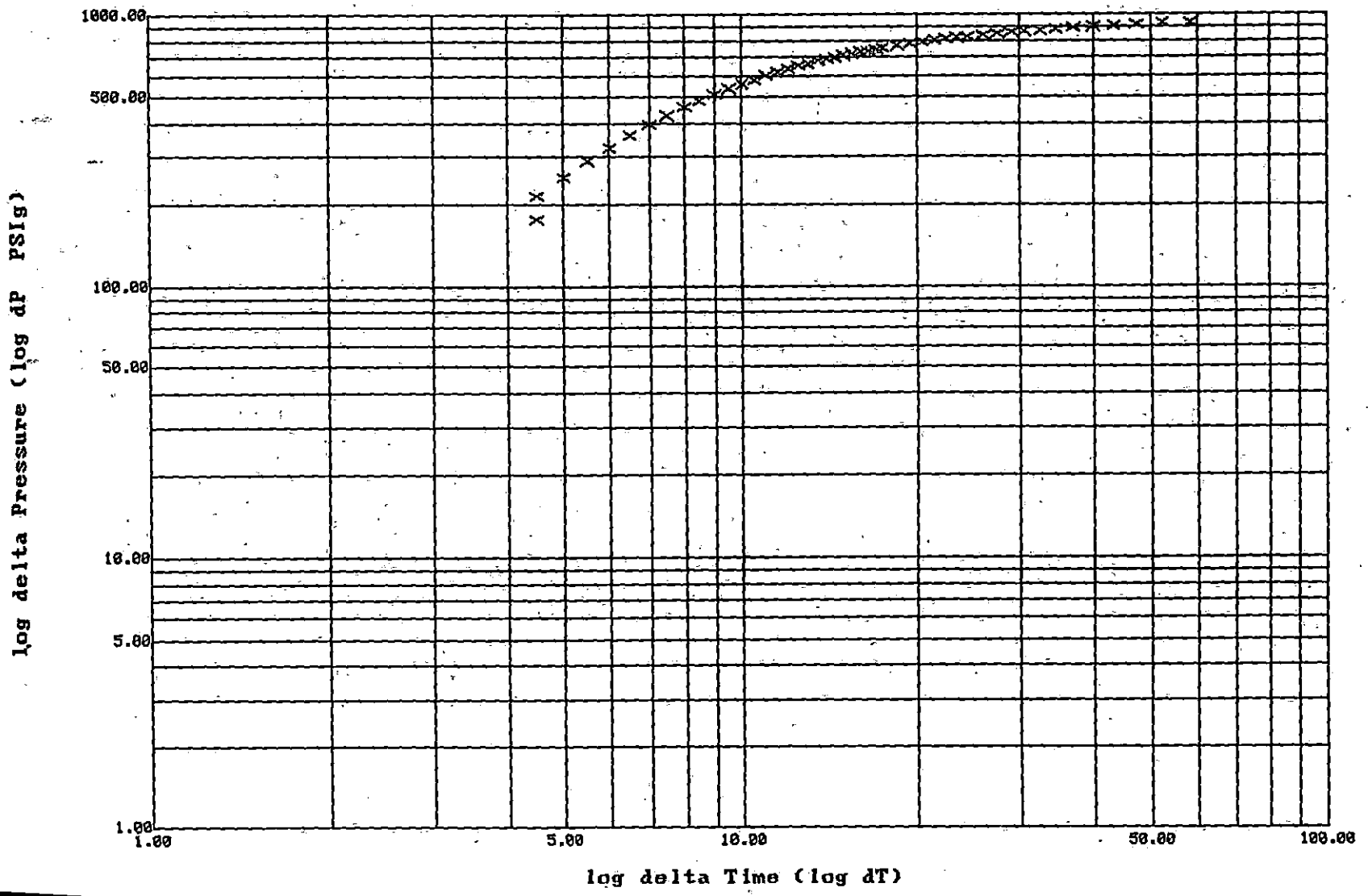
Slope: 548.9870 PSig/cycle

Ext. Pressure: 1146.9288 PSig



Ramey Plot: shut-in #1

Crossbar Petroleum Peters 1/26 DST #2

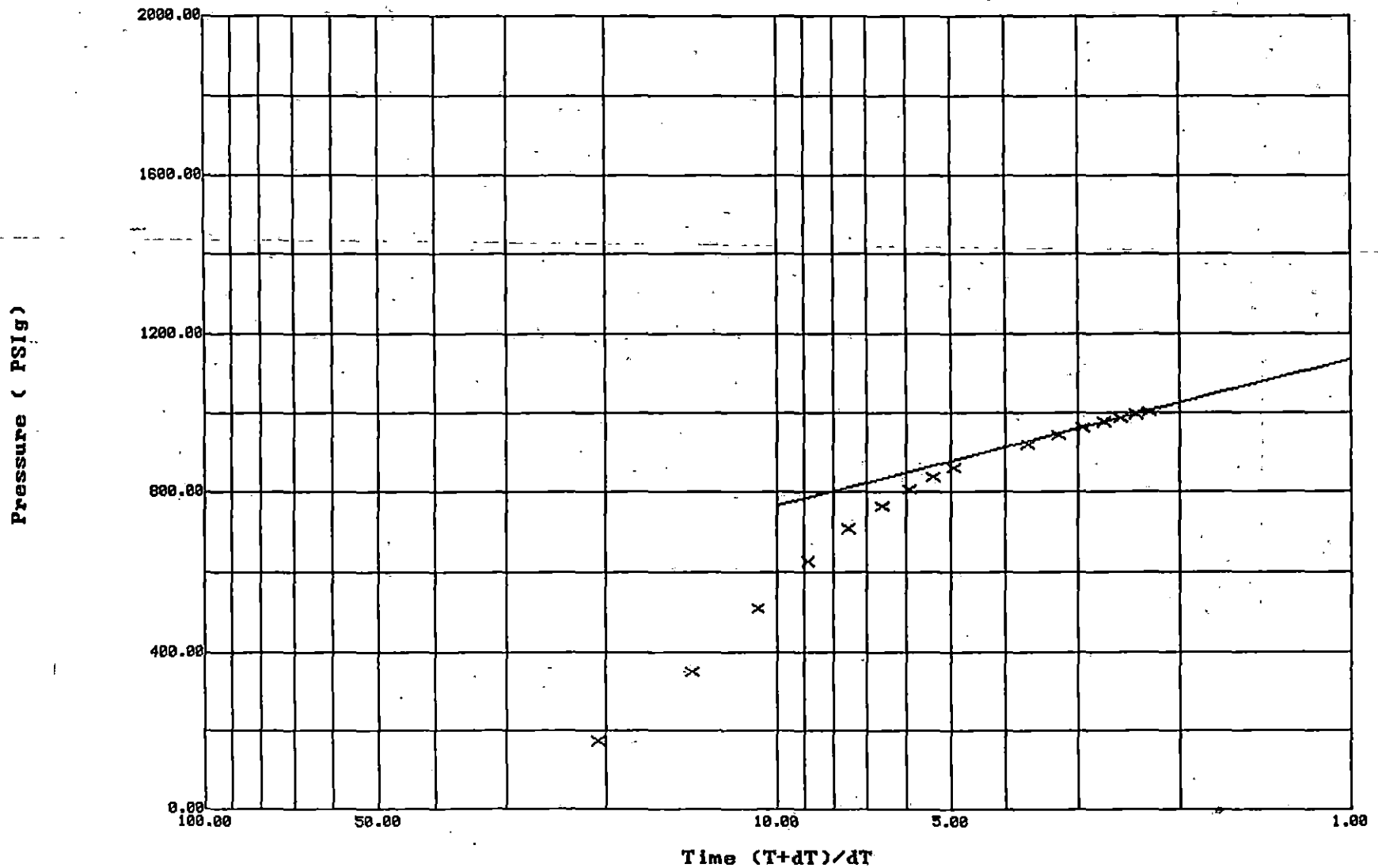


Horner Plot: shut-in #2

Crossbar Petroleum Peters 1/26 DST #2

Slope: 367.9608 PSig/cycle

Ext. Pressure: 1133.7448 PSig



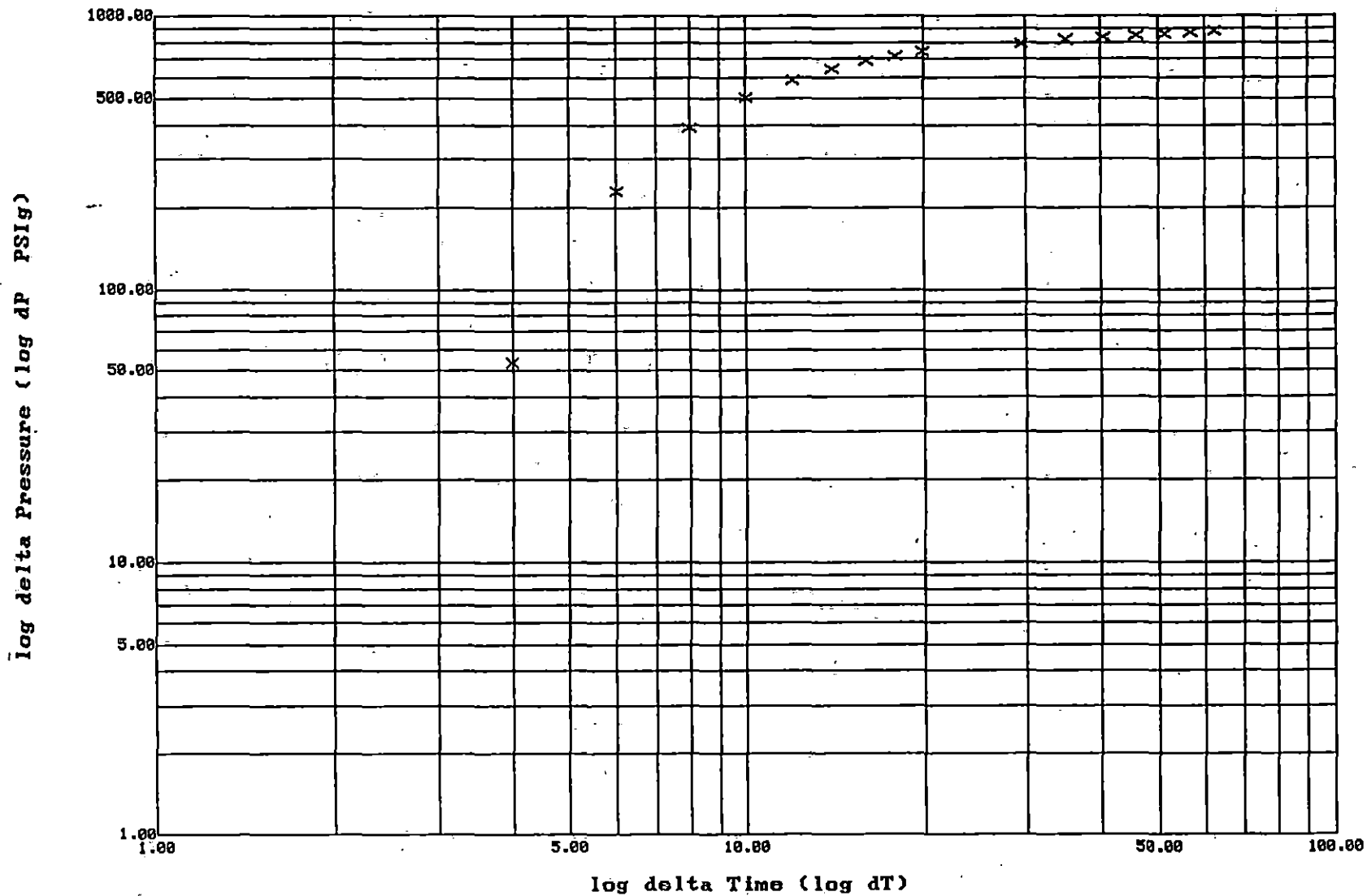
Ramey Plot: shut-in #2

Crossbar Petroleum Peters 1/26 DST #2

RELEASED

MAY 10 1995

FROM CONFIDENTIAL



TRILOBITE TESTING L.L.C.

OR : Crossbar Petroleum

DATE 3/10/95

NAME: Peters 1-26

KB 2101.00 ft

TICKET NO: 8280

DST #2

DN : 26/29s/18w

GR 2092.00 ft

FORMATION: Emporia

DL : 3405.00 To 3439.00 ft

TD 3439.00 ft

TEST TYPE: CONVENTIONAL

WELL 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

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
Bit Hydro	1613.0	1613.0	1628.0	0.0	0.0
First Flow	67.0	68.0	36.0	0.0	0.0
Initial Flow	89.0	86.0	81.0	0.0	0.0
Shut-in	1009.0	1005.0	1020.0	0.0	0.0
Bit Flow	119.0	1160.0	83.0	0.0	0.0
Initial Flow	126.0	14.0	120.0	0.0	0.0
Shut-in	993.0	988.0	1002.0	0.0	0.0
Initial Hydro	1560.0	1547.0	1574.0	0.0	0.0
Inside/Outside	o	o	i		

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

GRY

fluid 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

DENSITY 50000.00 P.P.M. A.P.I. Gravity 0.00

DESCRIPTION

Strong--Bottom of bucket in 20
 ads.

Strong guaging gas-see report

GENERAL

PLES: caught beginning of FF
 TO: Caraway

Test Successful: Y

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

WELL NAME: Peters 1-26

KB Elev: 2101.00 ft TICKET #8280 DST #2

WELL 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

<u>MIN</u>	<u>INS. WATER</u>	<u>ORIFICE</u>	<u>MCF/D</u>	<u>MIN</u>	<u>INS. WATER</u>	<u>ORIFICE</u>	<u>MCF/D</u>
	<u>PSIG</u>				<u>PSIG</u>		
				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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

3:40

Test Ticket

No 8280

Well Name & No. Peters 1-26 Test No. 2 Date 3-10-95
 Company Crossbar Petroleum Zone Tested Emporia
 Address _____ Elevation 2052 GL
 Co. Rep./Geo. Tom Blair cont. Mudn 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 4 1/2 XH
 Anchor Length 34 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3400 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 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 gassy gas

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?	%gas	%oil	%water	%mud
Rec. <u>140</u> Feet Of	<u>gassy mud</u>					
Rec. <u>120</u> Feet Of	<u>gassy muddy water</u>					
Rec. _____ Feet Of						
Rec. _____ Feet Of						
Rec. _____ Feet Of						

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

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

(A) Initial Hydrostatic Mud	<u>163</u>	<u>1628</u>	PSI	AK1 Recorder No. <u>2346</u>	Range <u>4995</u>
(B) First Initial Flow Pressure	<u>67</u>	<u>36.8</u>	PSI	@ (depth) <u>3409</u>	w/Clock No. <u>Alp</u>
(C) First Final Flow Pressure	<u>89</u>	<u>81.3</u>	PSI	AK1 Recorder No. <u>24174</u>	Range <u>3050</u>
(D) Initial Shut-In Pressure	<u>1009</u>	<u>1020.2</u>	PSI	@ (depth) <u>3434</u>	w/Clock No. <u>22348</u>
(E) Second Initial Flow Pressure	<u>119</u>	<u>83</u>	PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure	<u>126</u>	<u>120.3</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure	<u>993</u>	<u>1002.3</u>	PSI	Initial Opening <u>45</u>	Test <u>600</u>
(H) Final Hydrostatic Mud	<u>1560</u>	<u>1573.7</u>	PSI	Initial Shut-In <u>60</u>	Jars X: <u>200</u>

Final Flow 45 Safety Joint X 50
 Final Shut-In 60 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By: [Signature]
 Our Representative Tom Simpson
 Printcraft Printers - Hays, KS
 Extra Packer _____
 Other electric nozzle
 TOTAL PRICE \$ 850

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	<u>4660-4706</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>46</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4655</u>	Drill Collar - 2.25 Ft. Run	<u>120</u>
Bottom Packer Depth	<u>4660</u>	Mud Wt.	<u>9.2</u> lb/Gal.
Total Depth	<u>4706</u>	Viscosity	<u>46</u> Filtrate <u>9.2</u>

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

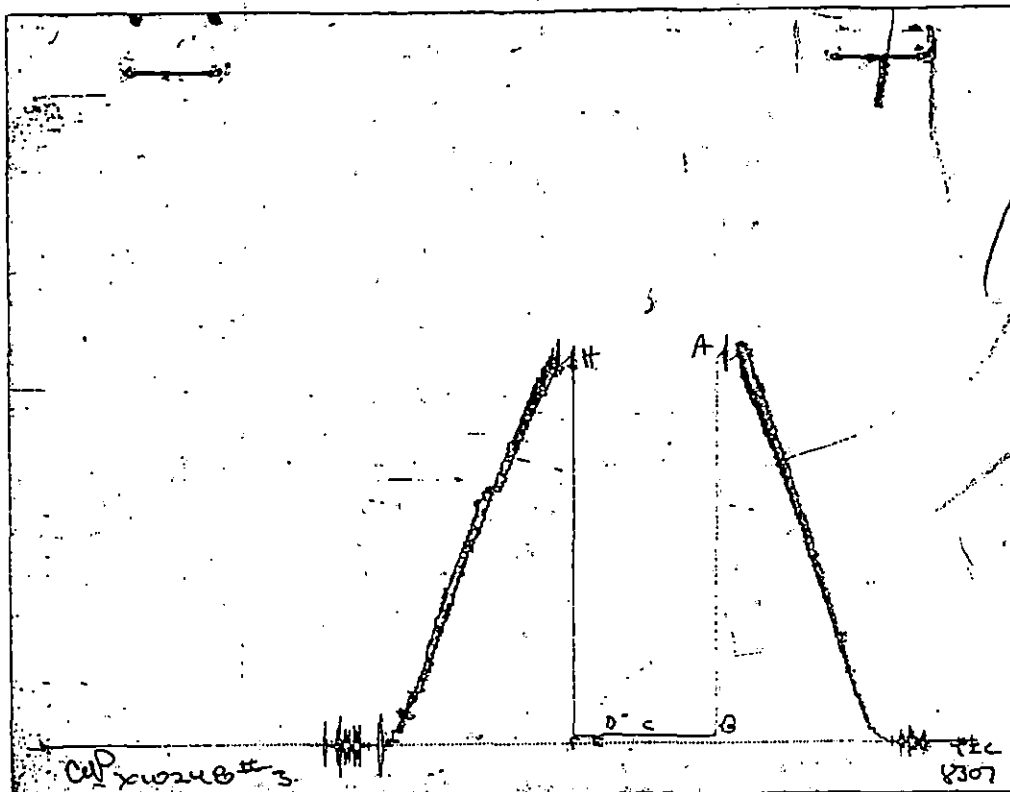
Rec. <u>5</u> Feet of	<u>DRILLING MUD.</u>	<u>RELEASED</u>
Rec. _____ Feet of	_____	_____
Rec. _____ Feet of	_____	<u>MAY 1 0 1995</u>
Rec. _____ Feet of	_____	_____
Rec. _____ Feet of	_____	<u>FROM CONFIDENTIAL</u>

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	<u>2235.60</u> PSI	AK1 Recorder No.	<u>13788</u>	Range	<u>4650</u>
(B) First Initial Flow Pressure	<u>39.40</u> PSI	@ (depth)	<u>4703</u>	w / Clock No.	<u>27665</u>
(C) First Final Flow Pressure	<u>39.40</u> PSI	AK1 Recorder No.	<u>10248</u>	Range	<u>4400</u>
(D) Initial Shut-in Pressure	<u>52.90</u> PSI	@ (depth)	<u>4697</u>	w / Clock No.	<u>23858</u>
(E) Second Initial Flow Pressure	<u>46.20</u> PSI	AK1 Recorder No.	_____	Range	_____
(F) Second Final Flow Pressure	<u>46.20</u> PSI	@ (depth)	_____	w / Clock No.	_____
(G) Final Shut-in Pressure	_____ PSI	Initial Opening	<u>30</u>	Final Flow	<u>15</u>
(H) Final Hydrostatic Mud	<u>2240.20</u> PSI	Initial Shut-in	<u>30</u>	Final Shut-in	<u>NONE</u>

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

Test Ticket

No 8307

Well Name & No. PETERS # 1-26 Test No. 3 Date 3-13-95
 Company CROSS BAR PETROLEUM INC. Zone Tested ALTAMONT
 Address 151N. MAIN STREET 630 / WICHITA KS. 67202 Elevation 2101 KB.
 Co. Rep./Geo. STEVE DAVIS cont. MURFIN DRUG #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 4 1/2" X.H.
 Anchor Length 46' Top Choke - 1" Bottom Choke - 3/4"
 Top Packer Depth 4655' Hole Size - 7 7/8" Rubber Size - 6 3/4"
 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 Weaker below. (1/4") Dead in 25 mins.

Final Blow No below.

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>5'</u>	<u>---</u>	<u>Yes</u>
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 _____	
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. 2265
- (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 600
- (H) Final Hydrostatic Mud 2195 PSI Initial Shut-in 30 Jars 200

Final Flow 15 Safety Joint 30
 Final Shut-in None Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____

Approved By [Signature]
 Our Representative [Signature]

TOTAL PRICE \$ 850.00

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.

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

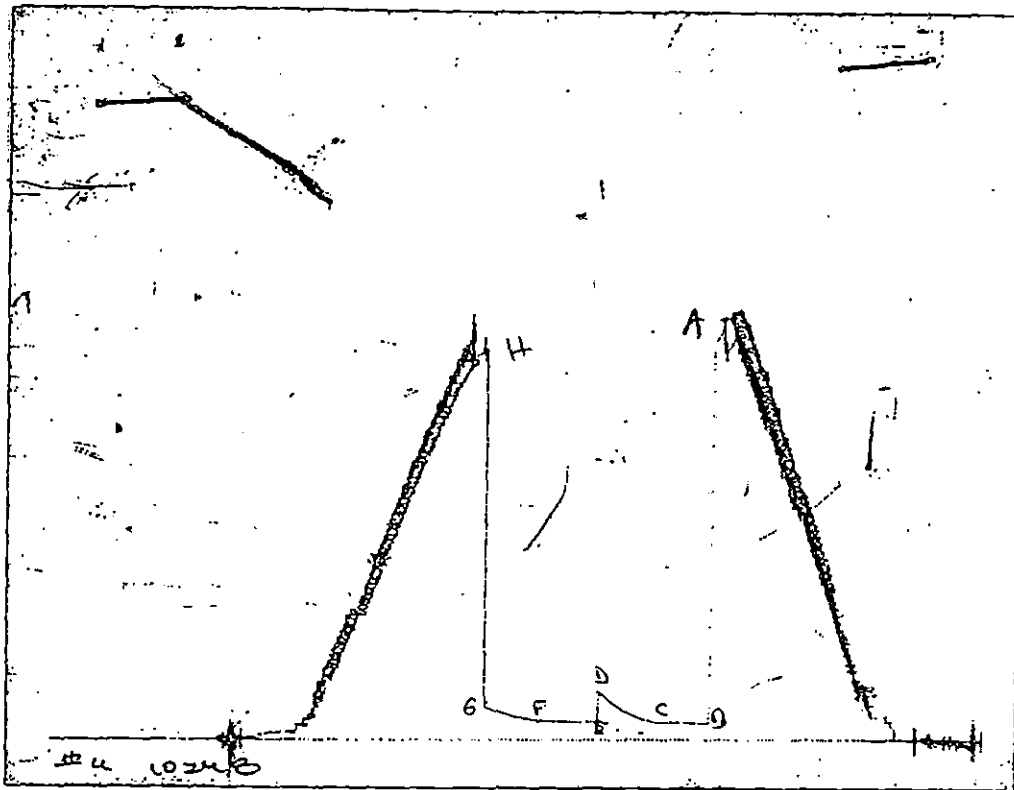
Rec. 75 Feet of DRILLING MUD. **RELEASED**
Rec. _____ Feet of _____
Rec. _____ Feet of _____ **MAY 1 0 1995**
Rec. _____ Feet of _____ **FROM CONFIDENTIAL**
Rec. _____ Feet of _____

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

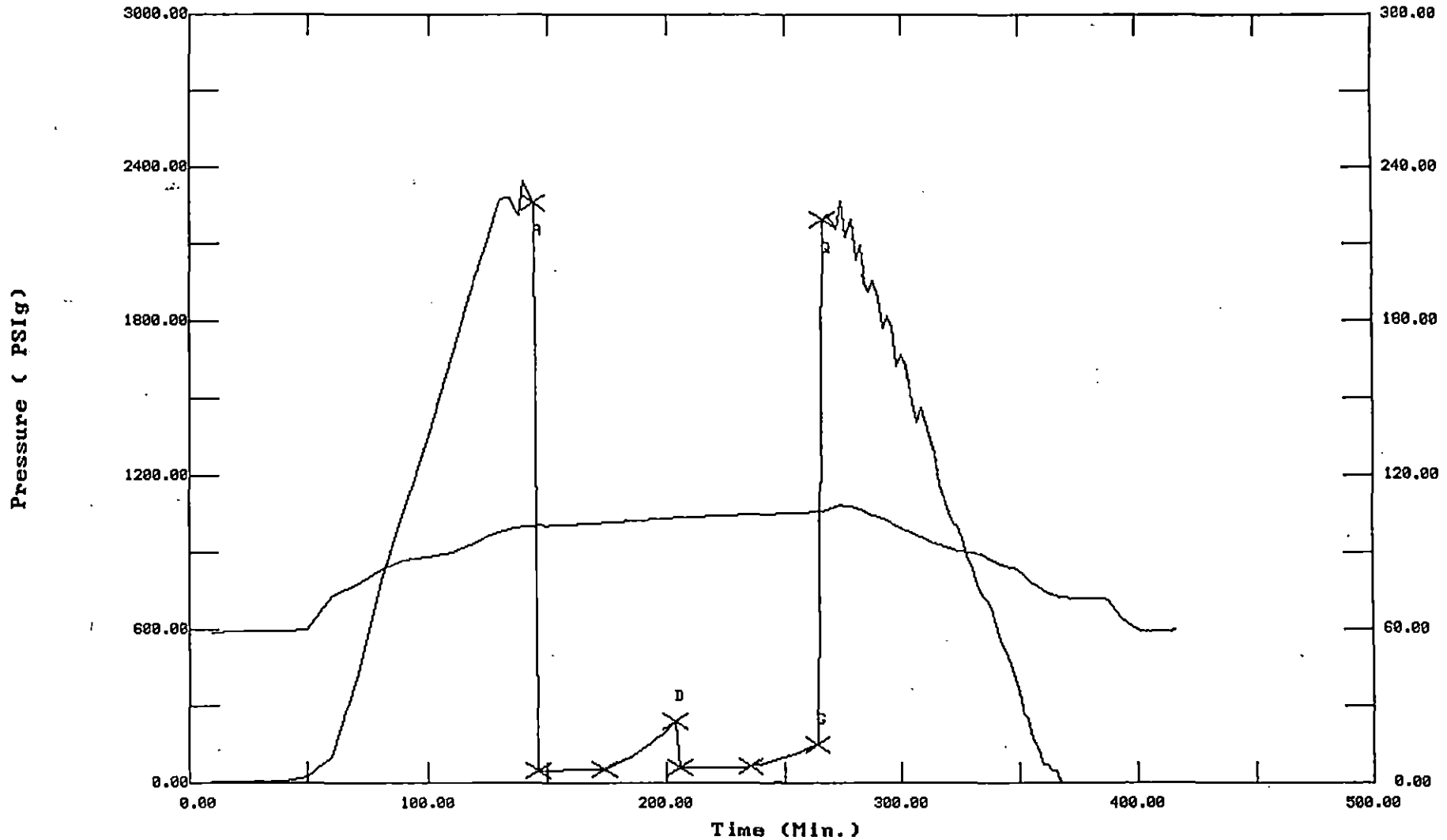
	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2349	2261.76
(B) FIRST INITIAL FLOW PRESSURE	85	42.38
(C) FIRST FINAL FLOW PRESSURE	94	52.95
(D) INITIAL CLOSED-IN PRESSURE	281	240.44
(E) SECOND INITIAL FLOW PRESSURE	94	55.64
(F) SECOND FINAL FLOW PRESSURE	96	61.85
(G) FINAL CLOSED-IN PRESSURE	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	55.64
F:	30.00	61.85
G:	28.00	149.47
Q:	0.00	2196.88



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 10 1995

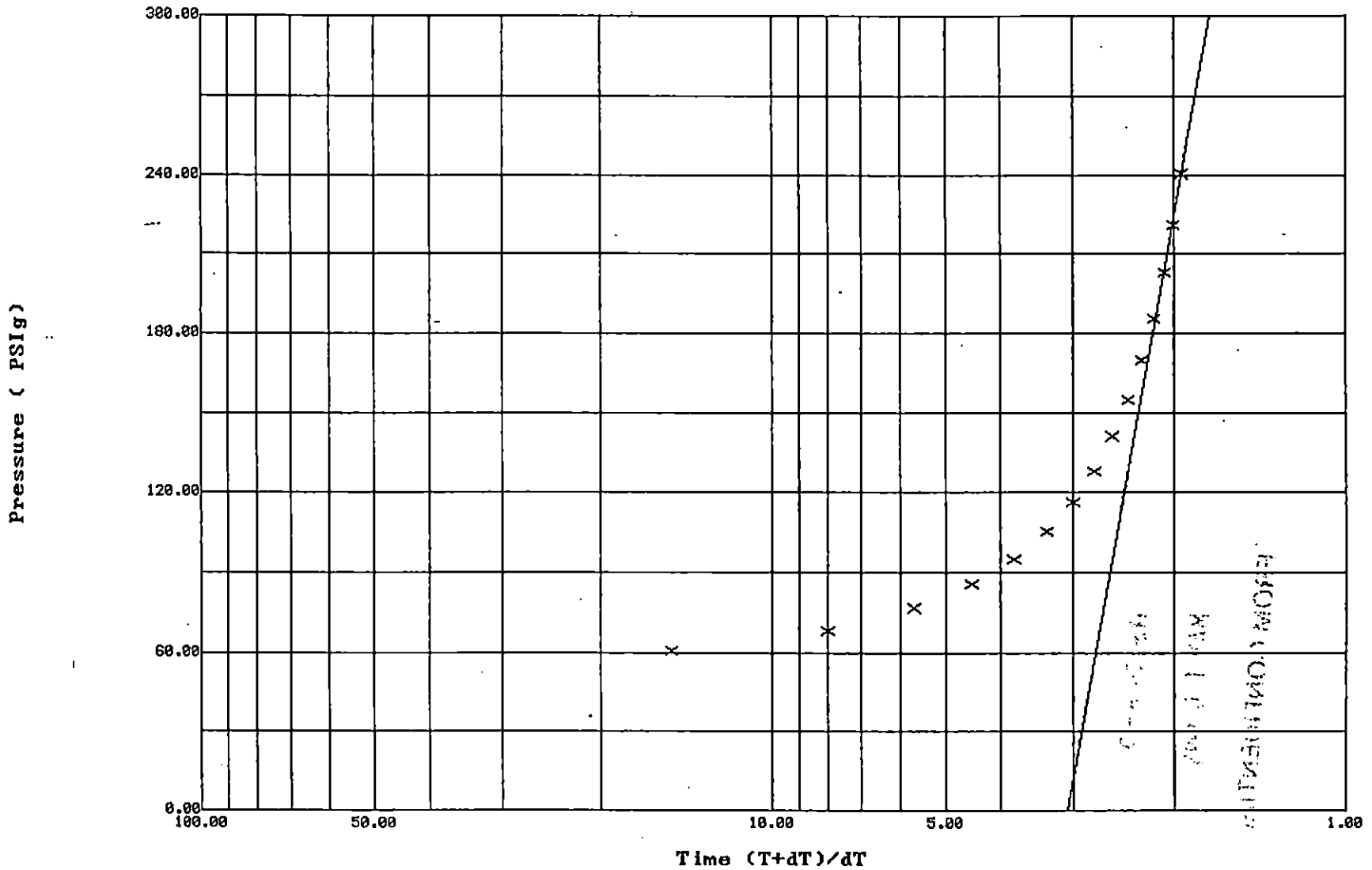
FROM CONFIDENTIAL

Horner Plot: shut-in #1

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

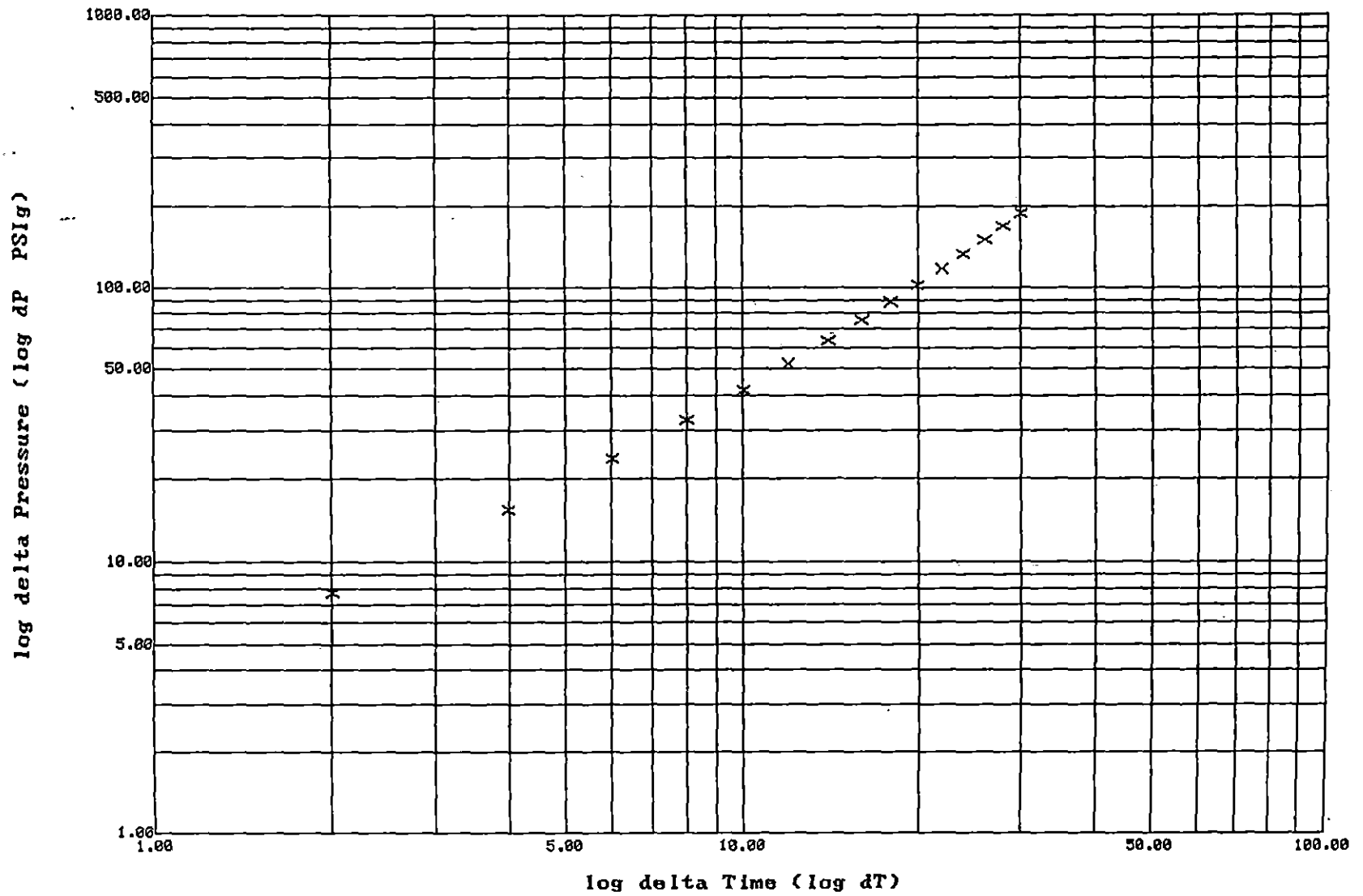
Slope: 1206.5671 PSig/cycle

Ext. Pressure: 585.3323 PSig



Ramey Plot: shut-in #1

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

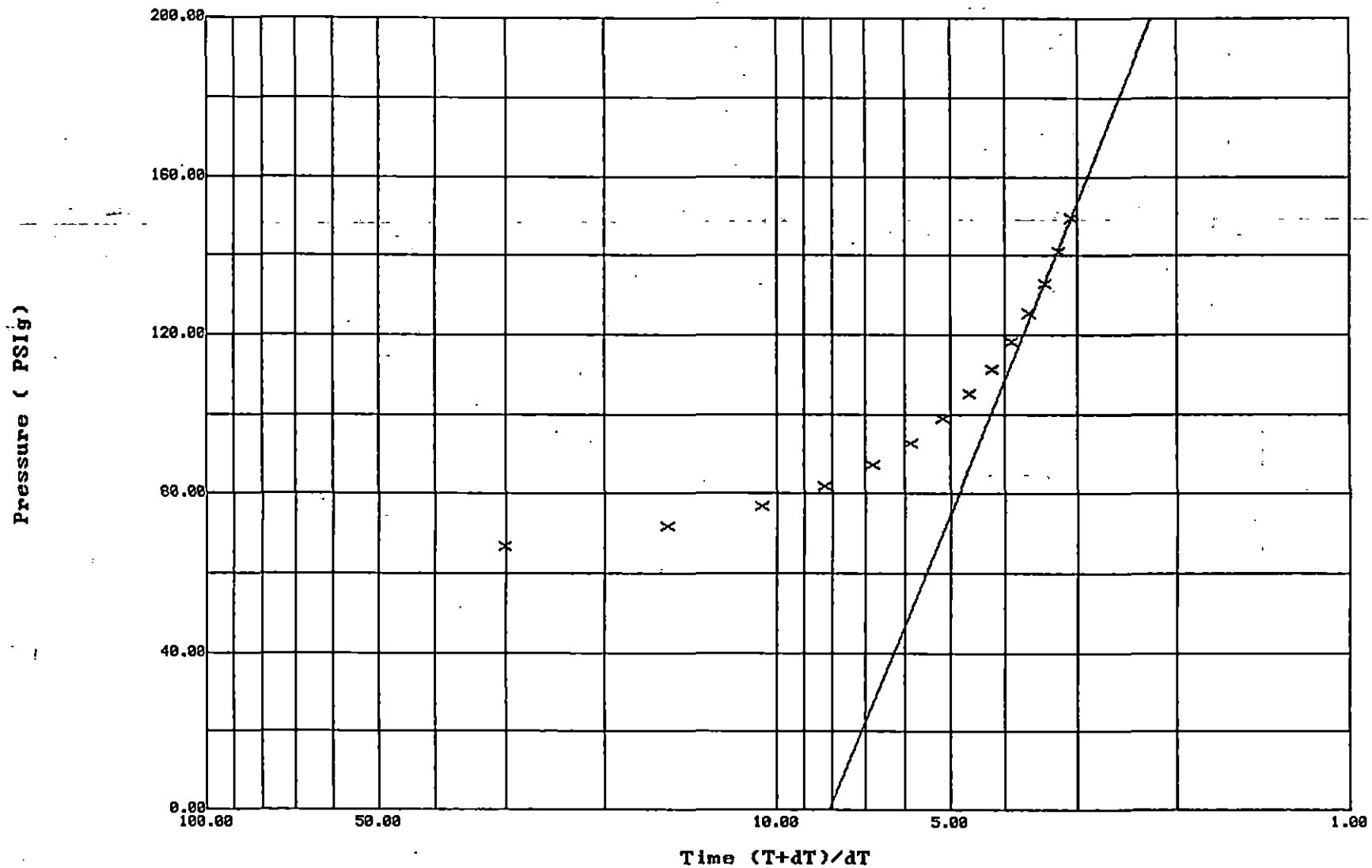


Horner Plot: shut-in #2

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

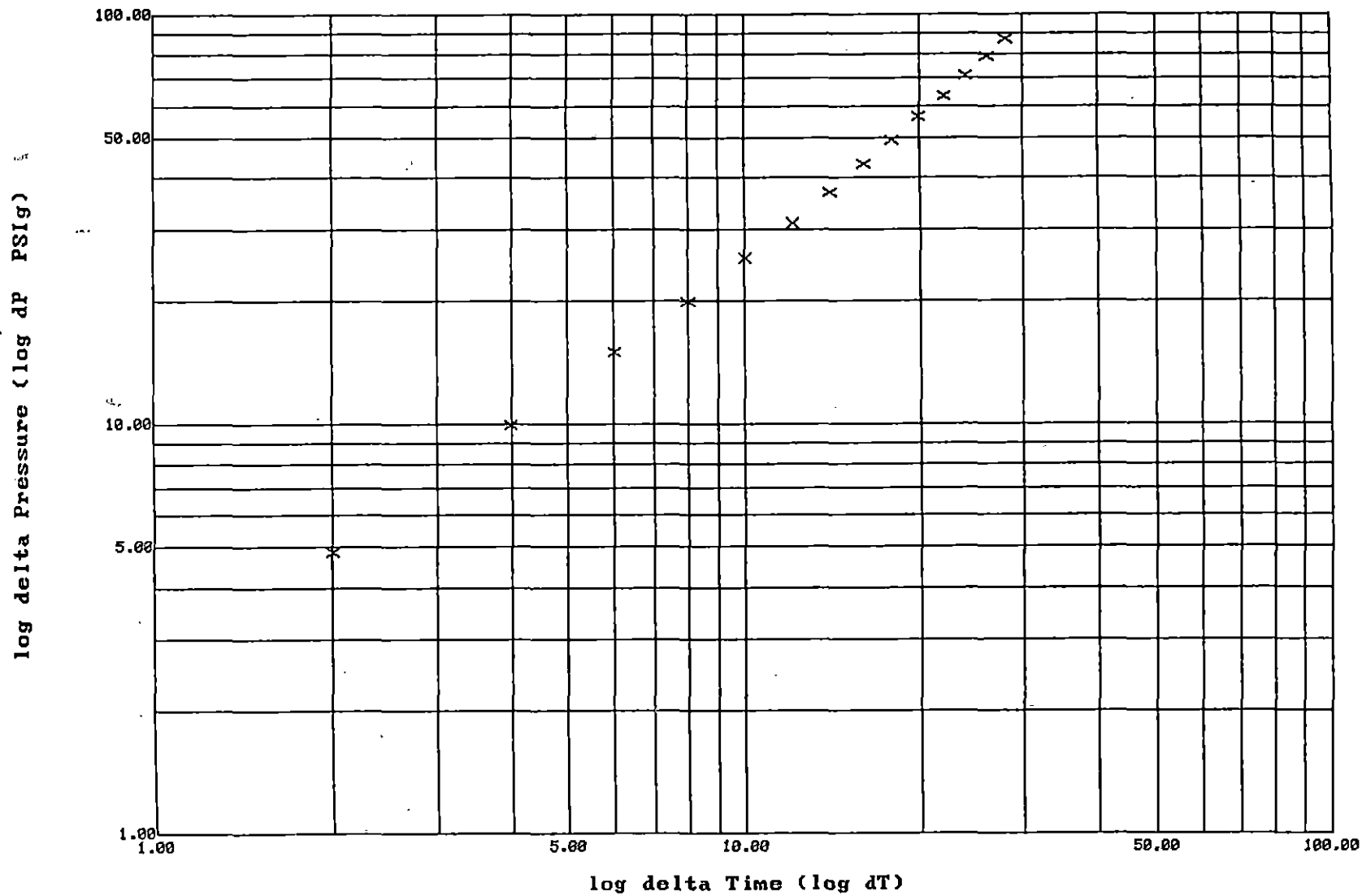
Slope: 357.8431 PSig/cycle

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

No 8308

Well Name & No. PETERS II 1-20 Test No. 4 Date 3-14-95
 Company CROSS BAR PETE INC. Zone Tested MIBS
 Address 151 N. MAIN SUITE 630 WICHITA KS. 67202-1407 Elevation 2101 K.B.
 Co. Rep./Geo. STEVE DAVIS cont. MURFIN DRUG #21 Est. Ft. of Pay _____
 Location: Sec. 26 Twp. 29 S Rge. 18 W 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 — 3/4"
 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 A.M. Initial Blow Wash below (1/2 - 2" in (720))

Final Blow Wash below (1/2 - 3/4")

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>75</u>	<u>?</u>	<u>No</u>
Rec. <u>75</u> Feet Of <u>Dry Mud.</u>	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil

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 2349 ^{ALPINE} PSI 2283 ^{ALPINE} Recorder No. 2346 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

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.

Final Flow 30 Safety Joint 50
 Final Shut-In 30 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By [Signature]
 Our Representative [Signature]

Extra Packer _____
 Other ALPINE
 TOTAL PRICE \$

ALLIED CEMENTING CO., INC.

1995

ATTN P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: med. hodge, ks

DATE <u>3-5-95</u>	SEC. <u>26</u>	TWP. <u>29S</u>	RANGE <u>18W</u>	CALLED OUT <u>9:00 P.M.</u>	ON LOCATION <u>1:30 A.M.</u>	JOB START <u>10:00 A.M.</u>	JOB FINISH <u>11:00 A.M.</u>
LEASE <u>Peters</u>		WELL # <u>1-26</u>	LOCATION <u>Greensburg 2E-8S-W/into</u>		COUNTY <u>Kiowa</u>	STATE <u>KANSAS</u>	

OLD OR (NEW) (Circle one)

CONFIDENTIAL

CONTRACTOR Murphy Drilling #21

TYPE OF JOB Surface Casing

HOLE SIZE 12 1/4 T.D. 535

CASING SIZE 8 5/8 x 24 DEPTH 523

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 x 11.6/60 DEPTH 535

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42.01

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Cross Bar Petroleum
CEMENT

AMOUNT ORDERED 305 SKS. 60' 40' 2% Gel
3% CaCl₂, 1/4# Flo-Seal Per SK.

- COMMON 183 @
- POZMIX 122 @
- GEL 5 @
- CHLORIDE 10 @
- FLO-SEAL 76# @
- _____ @
- _____ @
- _____ @
- _____ @
- HANDLING 30S @
- MILEAGE 30S x 39 @

EQUIPMENT

PUMP TRUCK CEMENTER Larry F. Dreiling

266 HELPER Carl Balding

BULK TRUCK

256-250 DRIVER John Kelley

BULK TRUCK

_____ DRIVER _____

RELEASED

MAY 10 1995

REMARKS:

Mix and Pump 305 SKS CLASS A
60' 40' 2% Gel - 3% CaCl₂ 1/4# Flo-Seal
Per. SK. Release Plug. Displace
Plug w/ Fresh H₂O. Pump Plug
Shut In Cement Circ. to Surface

FROM CONFIDENTIAL SERVICE

- DEPTH OF JOB 523
- PUMP TRUCK CHARGE 0-30
- EXTRA FOOTAGE 223' @
- MILEAGE 39 @
- PLUG Rubber 8 7/8" @
- _____ @
- _____ @

CHARGE TO: Cross Bar Petroleum Inc.

STREET 151 N. MAIN Centre City Plaza Suite 630

CITY Wichita STATE Ko ZIP 67202

- FLOAT EQUIP
- Baker @
 - Saw tooth Shoe @
 - Baffle Plate @
 - Basket @
 - Centerizer @

MAR 29 '95 14:05

ALLIED GREAT BEND

ORIGINAL

RECEIVED KANSAS CORPORATION COM. 828 P02



CONFIDENTIAL

CEMENTING LOG

APR 17 1995 STAGE NO.

CONSERVATION DIVISION: WICHITA KS

Date 3-23-95 District med hodge Ticket No. 1275
Company Cross Bar Petroleum Rig Prattwell
Lease Peters Well No. 1-26
County Kiowa State KANSAS
Location Greensburg, Ks. 2E-8S Field

CEMENT DATA: Spacer Type: 250 Gallons ASF
Amt. Skys Yield ft^3/sk Density PPG

CASING DATA: PTA Squeeze Port Collar
Surfaces Intermediate Production Liner
Size 5 1/2 Type J-55 Weight 15.5 Collar

LEAD: Pump Time hrs. Type 65' 35' 6
2% CaCl2 + 1/4# Flo-Seal Excess
Amt. 12.5 Skys Yield 1.97 ft^3/sk Density 12.4 PPG

TAIL: Pump Time hrs. Type CLASS A
2% CaCl2 + 1/4# Flo-Seal Excess
Amt. 50 Skys Yield 1.17 ft^3/sk Density 15.6 PPG

WATER: Lead 10.9 gals/sk Tail 518 gals/sk Total Bbls.

Burst Collaspe
4,810 PST 4,040 PST
Casing Depths: Top Bottom

Pump Trucks Used 245-Carl Balding
Bulk Equip. 252-Tim Sempley

RELEASED

Drill Pipe: Size 2 3/8 Weight 4.76 Collars upset
Open Hole: Size 7 7/8 T.D. ft. P.B. to ft.

Float Equip: Manufacturer MAY 10 1995
Shoe: Type Depth

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.01
Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993
Drill Pipe: Bbls/Lin. ft. 0.039 Lin. ft./Bbl. 25.8.6
Annulus: 2 3/8 x 2 7/8 Lin. ft. 0.582 Lin. ft./Bbl. 17.18
5 1/2 x 7 7/8 Bbls/Lin. ft. 0.309 Lin. ft./Bbl. 32.4065
Perforations: From ft. to ft. Amt.

Float: Type FROM CONFIDENTIAL
Centralizers: Quantity Plugs Top Btm.
Stage Collars
Special Equip. BEARMENT HEAD
Disp. Fluid Type Fresh H2O Amt. 3 Bbls. Weight 8.34 PPG
Mud Type Chemical Weight 9.3 PPG

COMPANY REPRESENTATIVE Tom Larson

CEMENTER Larry J. Drilling

Table with columns: TIME, PRESSURES PSI, FLUID PUMPED DATA, REMARKS. Includes data for 11:10 to 12:05 and detailed remarks on the cementing process.



RECEIVED
KANSAS CORPORATION COMMISSION

CEMENTING LOG

CONFIDENTIAL
STAGE NO.

APR 17 1995

ORIGINAL

Date 3-16-95 District med Lodge Ticket No. 1998
 Company Crossbar Pat. Inc CONSERVATION DIVISION
 Lease Peters WRIGHT-856
 County kiowa State KANSAS
 Location Greensburg, ks 26-85 Field 26-295-180

CEMENT DATA:
 Spacer Type: 500 Gallons mud Clean
 Amt. _____ Skis Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type J-55 Weight 15.5 Collar _____

LEAD: Pump Time _____ hrs. Type 65' - 35' 6
4# Flo-Seal Excess _____
 Amt. 100 Skis Yield 1.97 ft³/sk Density 12.4 PPG

Burst Collapse
4,810 PSI 4,040 PSI

TAIL: Pump Time _____ hrs. Type CLASS A
ASC + 55 Kol-seal Excess _____
 Amt. 100 Skis Yield 1.57 ft³/sk Density 14.5 PPG

Casing Depths: Top _____ Bottom _____

WATER: Lead 10.9 gals/sk Tail 7.23 gals/sk Total 44 Bbls.

Pump Trucks Used #266 Carl Balding
 Bulk Equip. 256 John Kelley

RELEASED

Drill Pipe: Size 4 1/2 Weight 11.60 Collars X-Hole
 Open Hole: Size 7 7/8 T.D. 2450 ft. P.B. to _____ ft.

Float Equip: Manufacturer Arrow MAY 10 1995
 Shbs: Type Packer Shoe Depth 5285.38

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.01
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. 0.309 Lin. ft./Bbl. 32.4065

Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plug Top _____

FROM CONFIDENTIAL

Perforations: From _____ ft. to _____ ft. Amt. _____

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh H₂O Amt. 125 Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.2 PPG

COMPANY REPRESENTATIVE Tom Larson

CEMENTER Larry J. Drilling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Rig up and hold Job Procedure
5:30	250		360	60	6	Pipe on Bottom. Circulate/Rig Pump
6:30	250		120	20	6	Drop Ball open Packer Shoe
7:03	200		90	15	6	Drop Ball open Insert
7:25	400					Rig up to Cement. Pump
			12	3	4	Start mud Clean. mud Clean In.
7:29	330		35	4	6	Start lead. Steady PSI + rate
7:37	300		28	8	6	Lead In. Start Tail
7:39	50		8	2	4	TAIL In. Stop Pumps
						Wash out Pump + lines
						Release Plug
7:40	100		10	2	5	Start Fresh H ₂ O Displacement
7:45	160		20	2	6	Steady PSI + rate
7:44	100		24	2	2	Slow Rate thru Port Collar
7:45	130		27	1	6	Increase rate. Steady PSI
7:48	130		50	3	6	mud Clean @ shoe
7:50	125		62	2	6	Lead @ shoe. Slight PSI Increase
7:53	230		77	3	6	Steady PSI Increase
7:56	450		97	3	6	TAIL @ shoe.
8:00	730		122	4	2	Decrease rate. Slight PSI Drop
8:03	1320		125	2	2	Bump Plug
						Release PSI
						Float Held

10.50 PSI RUMP PLUG TO 1320 PSI BLEEDBACK 1 Bbls BBLs. THANK YOU



RECEIVED
KANSAS CORPORATION COMMIS
CEMENTING LOG

STAGE NO.

Date 3/28/95 District Med. Lodge Ticket No. 1244
 Company Cross Bar Petroleum Conservation Division
 Lease Peters Well WACHATA 26
 County Kiowa State KS
 Location 26-295-184 Field _____
Greensburg 2 E 8 S W15

CEMENT DATA: Sand in for liner base
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 5 1/2 Type _____ Weight 15.50 Collar _____

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top 0 Bottom 5300

Pump Trucks Used 266 Justin Hart
 Bulk Equip. _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 1/4 T.D. 5490 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____
 Float: Type _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.0126
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.6178
~~Annulus:~~ Bbls/Lin. ft. .0039 Lin. ft./Bbl. 258.6451
 Annulus: Bbls/Lin. ft. .0548 Lin. ft./Bbl. 18.2601
 Bbls/Lin. ft. .0183 Lin. ft./Bbl. 54.5764
 Perforations: From _____ ft. to _____ ft. Amt. _____

Depth 1995
 MAY 10 1995
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

CONFIDENTIAL

ORIGINAL

RELEASED

FROM CONFIDENTIAL

COMPANY REPRESENTATIVE _____

CEMENTER Max Ball

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:30						ON Loc Rig up
9:00	1200			1.25	1.5	Pressure up on Tbg
9:10		700		3.5	2.5	Pump Down Ann & out Tbg
9:25						SHUT DOWN Switch to Tbg
9:30	950			5.5	3.5	Pump Down Tbg
9:47						SHUT DOWN ADD WT. Tbg
9:50	950			5.5	3.5	Pump Down Tbg
10:07						SHUT DOWN ADD 1 JT Tbg
10:09	950			7.4	3.4	SHUT DOWN Pump Down Tbg
10:30						ADD 1 JT Tbg
10:33	950			3.82	3.4	Pump Down Tbg Clean Hole
12:45						SHUT DOWN Hold 1 JT Tbg
12:48	950			1.59	3.4	Pump Down Tbg
1:35						SHUT DOWN ADD 1 JT Tbg
1:40	950			1.92	3.4	Pump Down Tbg
2:22						SHUT DOWN Hold 1 JT Tbg
2:26	950			1.84	3.4	Pump Down Tbg Tbg on Bottom
3:20						Hole Circulated clean SHUT DOWN
4:20	950			1.41	3.4	Pump Down Tbg
5:18						SHUT DOWN



CEMENTING LOG

STAGE NO.

Date 3/30/95 District Med. Lodge Ticket No. 1245
 Company Cross Bay Petroleum Rig Krait Well
 Lease Peters Well No. 1-26
 County Kiowa State Ks
 Location 26-29s-18w Field _____
Greensburg 2E 8s W/S

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 lb Collar _____

Casing Depths: Top 0 Bottom 5 1/2

CONFIDENTIAL

Well Type: Size 2 1/8 Weight 4.6 Collars _____
 Open Hole: Size 7 1/4 T.D. 2450 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10234 Lin. ft./Bbl. 42.0126
 Open Holes: Bbls/Lin. ft. 10602 Lin. ft./Bbl. 16.5997
 Annulus: Bbls/Lin. ft. 10039 Lin. ft./Bbl. 259.6451
 Annulus: Bbls/Lin. ft. 10548 Lin. ft./Bbl. 18.2601
 Annulus: Bbls/Lin. ft. 10183 Lin. ft./Bbl. 54.5764
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Tom Larson

CEMENT DATA: liner ORIGINAL
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Small Class
 Amt. 50 Skys Yield 1.17 ft³/sk Density 15.6 PPG
 TAIL: Pump Time _____ hrs. Type _____

WATER: Lead 5.2 gals/sk Tail _____ gals/sk Total _____ Bbls

Pump Trucks Used 266 Justin Hart
 Bulk Equip. 227 John Kelley

Floater Equipment: Manufacturer _____
 Shoe: Type _____
 Floater: Type _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____
 Mud Type _____

RELEASED
 MAY 10 1995

FROM CONFIDENTIAL

CEMENTER Max Ball

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
7:30						ON LOG 50 MICE TRUCK	
8:30		950			66	3.4	Pump Down Tbg
9:52							SHUT DOWN Add 1 JT. Tbg
8:55		950			95	3.4	Pump Down Tbg
9:20							SHUT DOWN Add 1 JT. Tbg
9:26		950			171	3.4	Pump Down Tbg
10:17							SHUT DOWN Trip Tbg
3:36		500			120	2.5	Circulate on Liner
4:25							SHUT DOWN
4:44		800			10.4	3	Mix Cmt 50 SKs class A
4:47							Cmt Mixed SHUT DOWN Drey Ball
4:50		600			20.9	7.9	Start Displacement
5:04		175					Displacement Complete SHUT DOWN
5:06			200				Pressure ANN Hold For 4 min
5:13		500			35	2	Reverse out
5:31							Circulated clean SHUT DOWN
							Circulated out ABOUT 3 BBL CMT

RECEIVED
 KANSAS CORPORATION COMMISSION

APR 17 1995

CONSERVATION DIVISION
 WICHITA, KS