

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1-24 JENKINS Test No. 1 Date 3/27/95
Company CROSSBAR PETROLEUM Zone EMPORIA
Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2163
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 3466-3484 Drill Pipe Size 4.5" XH
Anchor Length 18 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3461 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 3466 Mud Wt. 9.1 lb/Gal.
Total Depth 3484 Viscosity 45 Filtrate 13.2

Tool Open @ 12:25AM Initial Blow STRONG BOTTOM OF BUCKET IN 10 MINUTES.

Final Blow STRONG - BOTTOM OF BUCKET IN 1 MINUTE.

Recovery - Total Feet 154 Flush Tool? NO

RECEIVED
KANSAS CORPORATION COMMISSION

Rec. 526 Feet of GAS IN PIPE
Rec. 154 Feet of MUDDY WATER. 80% WATER. 20% MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
JUL 07 1995
CONSERVATION DIVISION
WICHITA, KS

BHT 101 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.12 @ 70 °F Chlorides 65000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1799.00 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 32.50 PSI @ (depth) 3470 w / Clock No. 25810

(C) First Final Flow Pressure 99.10 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 434.10 PSI @ (depth) 3480 w / Clock No. 25108

(E) Second Initial Flow Pressure 64.00 PSI AK1 Recorder No. _____ Range _____

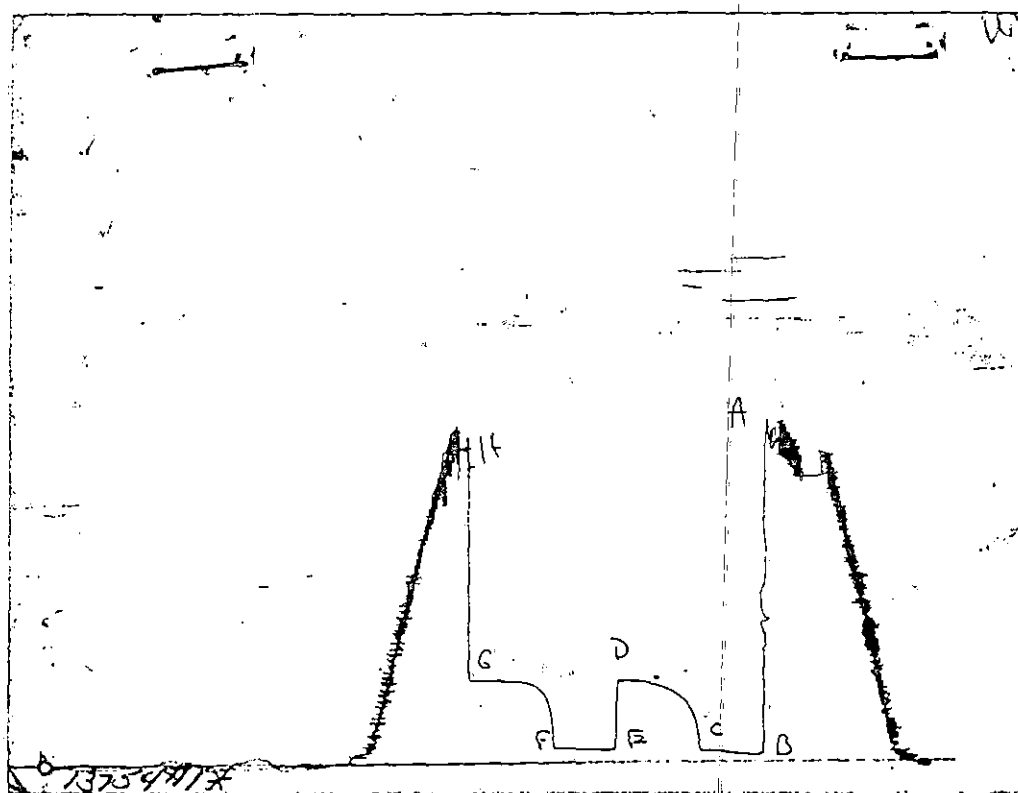
(F) Second Final Flow Pressure 74.80 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 434.10 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1709.00 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1786	1799.00
(B) FIRST INITIAL FLOW PRESSURE	39	32.50
(C) FIRST FINAL FLOW PRESSURE	59	99.10
(D) INITIAL CLOSED-IN PRESSURE	433	434.10
(E) SECOND INITIAL FLOW PRESSURE	68	64.00
(F) SECOND FINAL FLOW PRESSURE	78	74.80
(G) FINAL CLOSED-IN PRESSURE	433	434.10
(H) FINAL HYDROSTATIC MUD	1686	1709.00

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1-24 JENKINS Test No. 2 Date 3/28/95
Company CROSS BAR PETROLEUM Zone LANSING 'A'
Address 151 N. MAIN #630 WICHITA KS 67202-1407 Elevation 2163
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay 5
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4242-4268 Drill Pipe Size 4.5" XH
Anchor Length 26 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4237 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 4242 Mud Wt. 9.3 lb/Gal.
Total Depth 4268 Viscosity 44 Filtrate 14.4

Tool Open @ 9:50PM Initial Blow STRONG BLOW - GAS TO SURFACE IN 6 MINUTES

Final Blow SEE GAS VOLUME REPORT

Recovery - Total Feet 145 Flush Tool? NO

Rec. 145 Feet of SLIGHT GAS CUT MUD 2%GAS/98%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8500 ppm System

(A) Initial Hydrostatic Mud 2167.34 PSI AK1 Recorder No. 13251 Range 4550

(B) First Initial Flow Pressure 66.80 PSI @ (depth) 4245 w / Clock No. 30416

(C) First Final Flow Pressure 25.30 PSI AK1 Recorder No. 13255 Range 6300

(D) Initial Shut-in Pressure 1376.68 PSI @ (depth) 4265 w / Clock No. 8696

(E) Second Initial Flow Pressure 40.25 PSI AK1 Recorder No. _____ Range _____

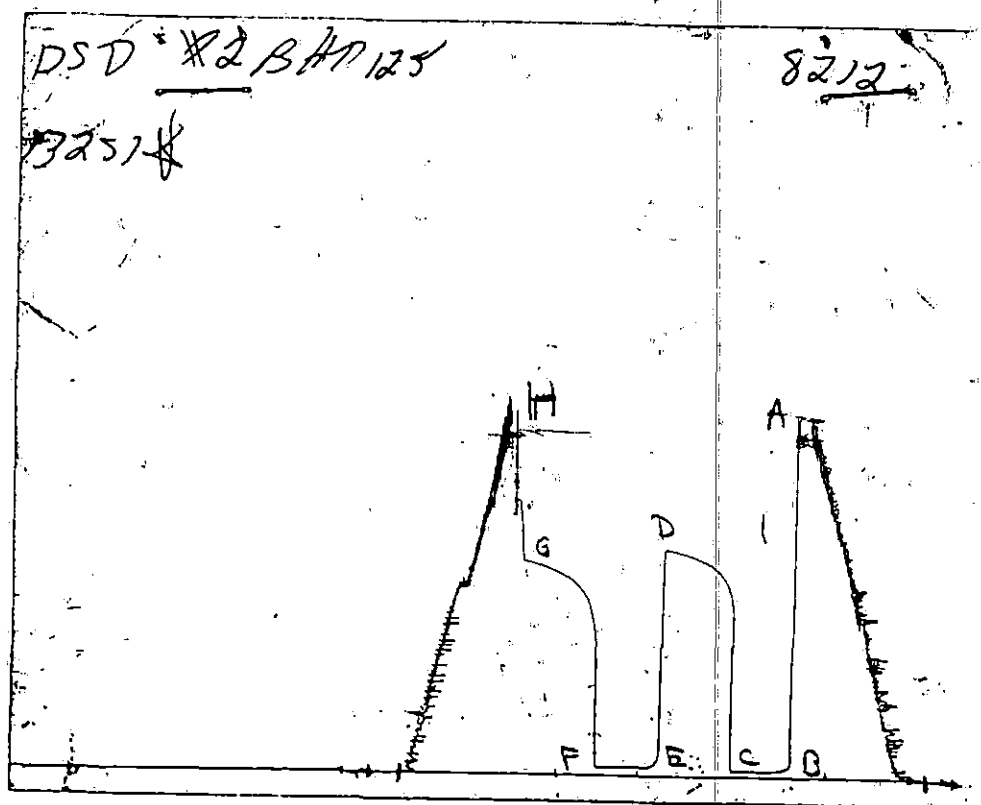
(F) Second Final Flow Pressure 40.25 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1296.75 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2156.03 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROBERT COLLINS

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2169	2167.34
(B) FIRST INITIAL FLOW PRESSURE	80	66.80
(C) FIRST FINAL FLOW PRESSURE	34	25.30
(D) INITIAL CLOSED-IN PRESSURE	1363	1362.98
(E) SECOND INITIAL FLOW PRESSURE	92	40.25
(F) SECOND FINAL FLOW PRESSURE	46	40.25
(G) FINAL CLOSED-IN PRESSURE	1294	1283.04
(H) FINAL HYDROSTATIC MUD	2158	2156.03

GAS VOLUME REPORT

CROSSBAR PETROLEUM

#1-24 JENKINS

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>		
10	2	0.5	47.7	10	9	0.5	108
20	5.5	0.5	81.8	20	6.5	0.5	90.1
30	5.5	0.5	81.8	30	5	0.5	78.1
40	5	0.5	78.1	40	5	0.5	78.1
4		0.5	78.1	45	4.5	0.5	73.6

Remarks: GAS TO SURFACE IN 6 MINUTES. GAS 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: 950164
Sample From: Jenkins 1-24 DST 2
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 03/30/95
Pressure:
Temperature:
Location: 24-29-18
County: Kiowa
State: Kansas
Formation: Lansing A

	Mole %	GPM
Helium	He: 0.368	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 18.544	0.000
Carbon Dioxide	CO2: 0.640	0.000
Methane	C1: 70.310	0.000
Ethane	C2: 4.466	1.194
Propane	C3: 2.676	0.737
Iso Butane	iC4: 0.607	0.199
Normal Butane	nC4: 1.163	0.367
Iso Pentane	iC5: 0.402	0.147
Normal Pentane	nC5: 0.447	0.162
Hexanes Plus	C6+: 0.377	0.164

TOTAL: 100.000 2.971
Z Fact: 0.9977
SP.GR.: 0.7367
BTU (SAT): 955.1 @ 14.73 psia
BTU (DRY): 972.0 @ 14.73 psia
OCTANE RATING: 100.9

COMMENTS: Sample entered under vacuum

INITIAL SHUT-IN

#1-24 JENKINS

DST # 2

INITIAL FLOW TIME 45

SLOPE

284583.4 PSI/CYCLE

P*

1476.43 PSI

			Log Horn T	<> PRESSURE	Horn T
	TIME(MIN)	Pws (psi)			
	3	1092.44	1.204	1092.4	16
	6	1170.07	0.929	77.6	9
	9	1205.44	0.778	35.4	6
	12	1240.81	0.677	35.4	5
	15	1261.34	0.602	20.5	4
	18	1279.62	0.544	18.3	4
	21	1296.75	0.497	17.1	3
	24	1308.17	0.459	11.4	3
Q	27	1315.02	0.426	6.9	3
	30	1324.16	0.398	9.1	3
	33	1333.29	0.374	9.1	2
	36	1340.15	0.352	6.9	2
	39	1348.14	0.333	8.0	2
	42	1354.99	0.316	6.9	2
	45	1359.56	0.301	4.6	2
	48	1364.12	0.287	4.6	2
	51	1370.97	0.275	6.9	2
X	54	1376.68	0.263	5.7	2

FINAL SHUT-IN

#1-24 JENKINS

DST # 2

TOTAL FLOW TIME 90

SLOPE

P*

419351.6

1449.45

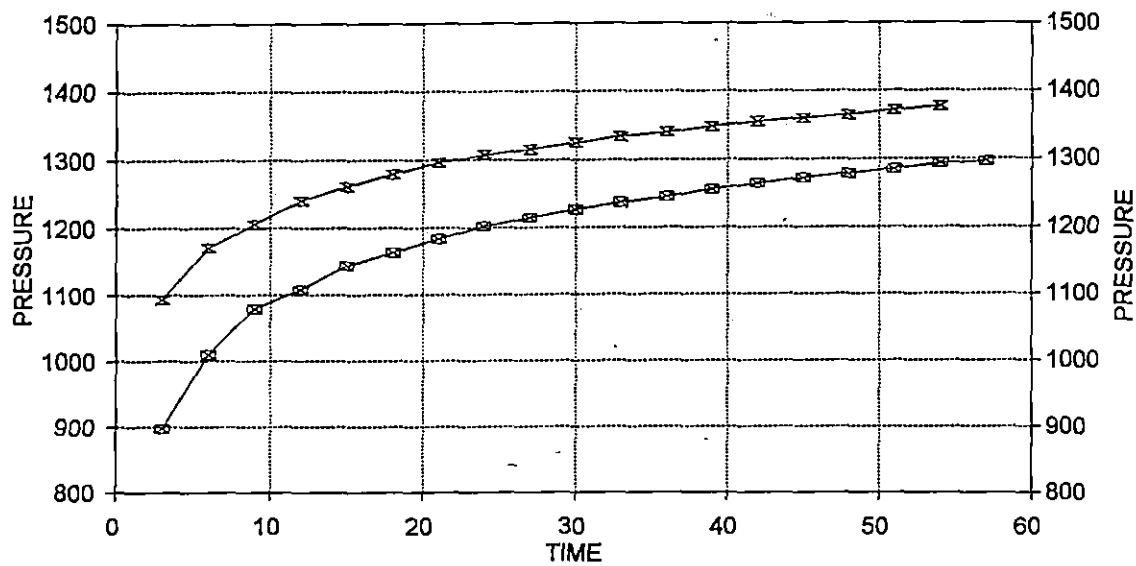
PSI/CYCLE

PSI

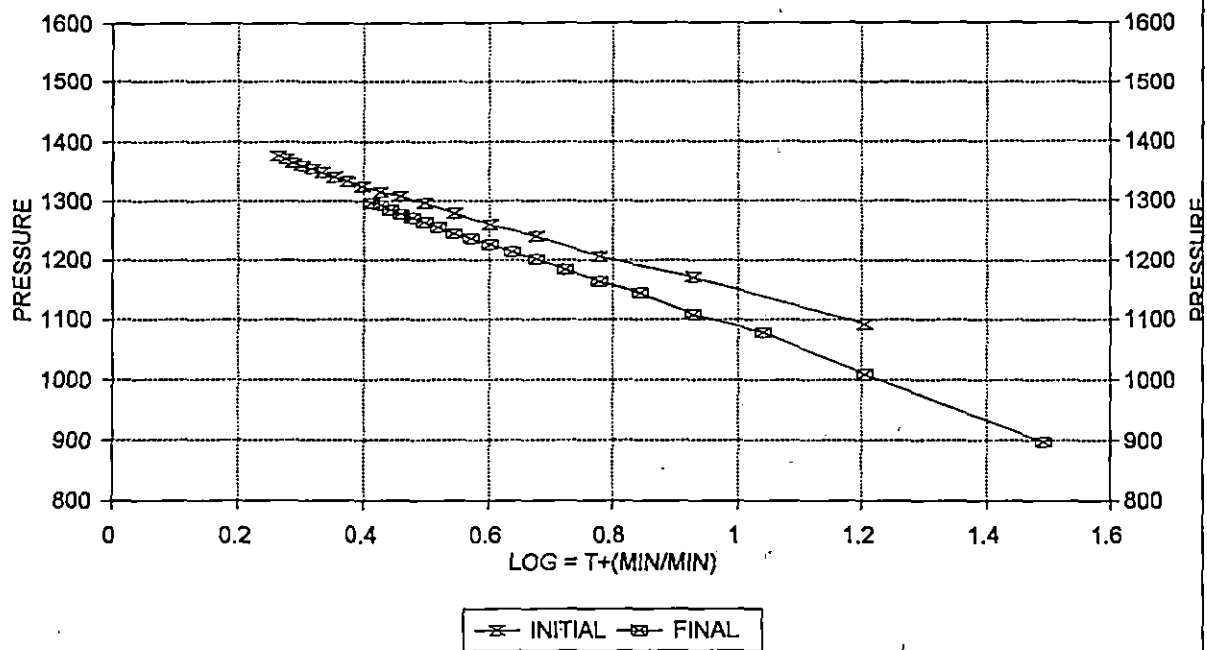
	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log</u> <u>Horn T</u>	<u><></u> <u>PRESSURE</u>	<u>Horn T</u>
	3	898.40	1.491	898.4	31
	6	1009.09	1.204	110.7	16
	9	1078.73	1.041	69.6	11
	12	1108.42	0.929	29.7	9
	15	1143.82	0.845	35.4	7
	18	1163.22	0.778	19.4	6
	21	1183.76	0.723	20.5	5
	24	1202.02	0.677	18.3	5
	27	1214.57	0.637	12.6	4
	30	1227.12	0.602	12.5	4
Q	33	1237.39	0.571	10.3	4
	36	1245.37	0.544	8.0	4
	39	1256.78	0.520	11.4	3
	42	1264.77	0.497	8.0	3
	45	1272.76	0.477	8.0	3
	48	1278.48	0.459	5.7	3
	51	1285.33	0.442	6.9	3
	54	1293.32	0.426	8.0	3
X	57	1296.75	0.411	3.4	3

DELTA T DELTA

1-24 JENKINS / DST #2



HORNER PLOT



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

ORIGINAL

Well Name #1-24 JENKINS Test No. 3 Date 3/29/95
Company CROSSBAR PETROLEUM Zone LANSING B
Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2163
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4272-4292 Drill Pipe Size 4.5" XH
Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4267 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 4272 Mud Wt. 9.2 lb/Gal.
Total Depth 4292 Viscosity 46 Filtrate 12

Tool Open @ 1:50PM Initial Blow WEAK BLOW BUILD TO 5 INCHES.

Final Blow NO BLOW FOR 5 MINUTES. VERY WEAK SURFACE BLOW BUILD TO 3 INCHES.

Recovery - Total Feet 175 Flush Tool? NO

Rec. 60 Feet of DRILLING MUD WITH OIL SPOTS. TRACE OIL; 100% MUD.
Rec. 115 Feet of SALT WATER.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.124 @ 66 °F Chlorides 90000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 2226.21 PSI AK1 Recorder No. 13251 Range 4550

(B) First Initial Flow Pressure 52.96 PSI @ (depth) 4275 w / Clock No. 30416

(C) First Final Flow Pressure 76.00 PSI AK1 Recorder No. 13255 Range 6300

(D) Initial Shut-in Pressure 1465.69 PSI @ (depth) 4289 w / Clock No. 8698

(E) Second Initial Flow Pressure 92.10 PSI AK1 Recorder No. _____ Range _____

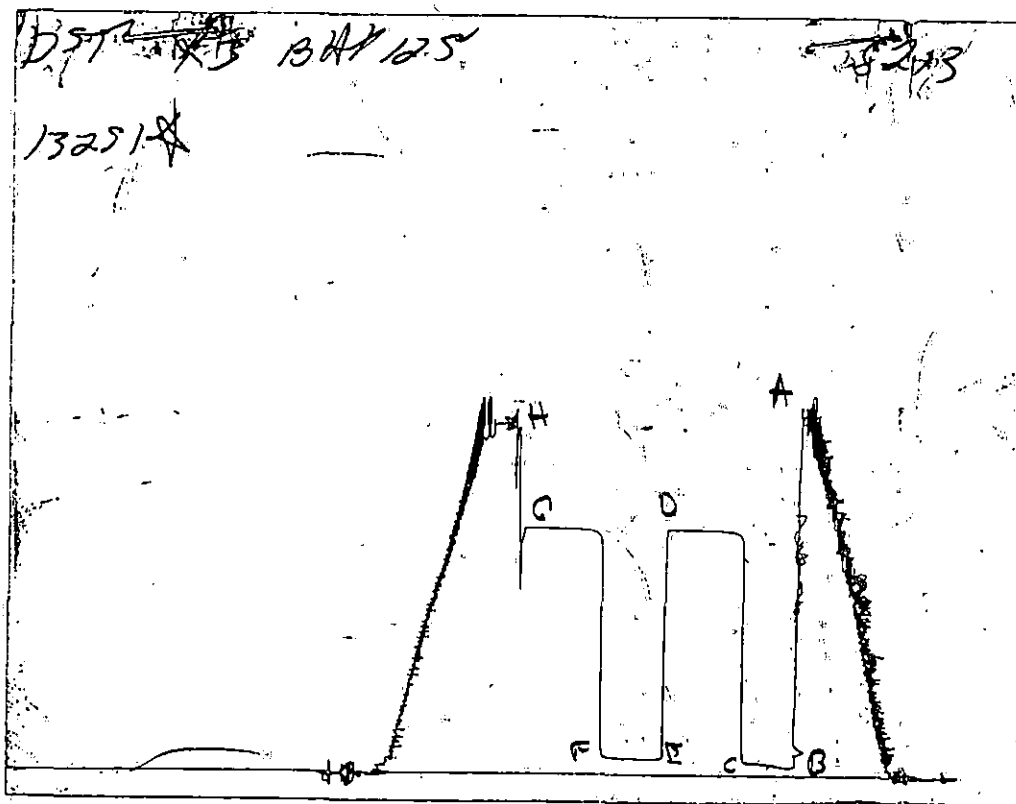
(F) Second Final Flow Pressure 103.65 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1461.12 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2148.12 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative ROBERT COLLINS

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2226.21	2226.21
(B) FIRST INITIAL FLOW PRESSURE	52.96	52.96
(C) FIRST FINAL FLOW PRESSURE	76	76.00
(D) INITIAL CLOSED-IN PRESSURE	1465.69	1465.69
(E) SECOND INITIAL FLOW PRESSURE	92.1	92.10
(F) SECOND FINAL FLOW PRESSURE	103.65	103.65
(G) FINAL CLOSED-IN PRESSURE	1461.12	1461.12
(H) FINAL HYDROSTATIC MUD	2148.12	2148.12

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1-24 JENKINS Test No. 4 Date 3/31/95
Company CROSSBAR PETROLEUM Zone ALTAMONT
Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2163
Co. Rep./Geo. STEVE DAVIS Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4690-4735 Drill Pipe Size 4.5" XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4685 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 4690 Mud Wt. 9.2 lb/Gal.
Total Depth 4735 Viscosity 54 Filtrate 8.4

Tool Open @ 7:27AM Initial Blow STRONG - BOTTOM OF BUCKET IN 7 MINUTES.

Final Blow STRONG - GAUGING GAS - SEE REPORT.

Recovery - Total Feet 75 Flush Tool? NO

Rec. 75 Feet of GASSY OIL CUT MUD 35% GAS; 15% OIL; 50% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2355.51 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 26.43 PSI @ (depth) 4694 w / Clock No. ALPINE

(C) First Final Flow Pressure 40.28 PSI AK1 Recorder No. 22150 Range 3925

(D) Initial Shut-in Pressure 1368.35 PSI @ (depth) 4730 w / Clock No. 22348

(E) Second Initial Flow Pressure 46.74 PSI AK1 Recorder No. _____ Range _____

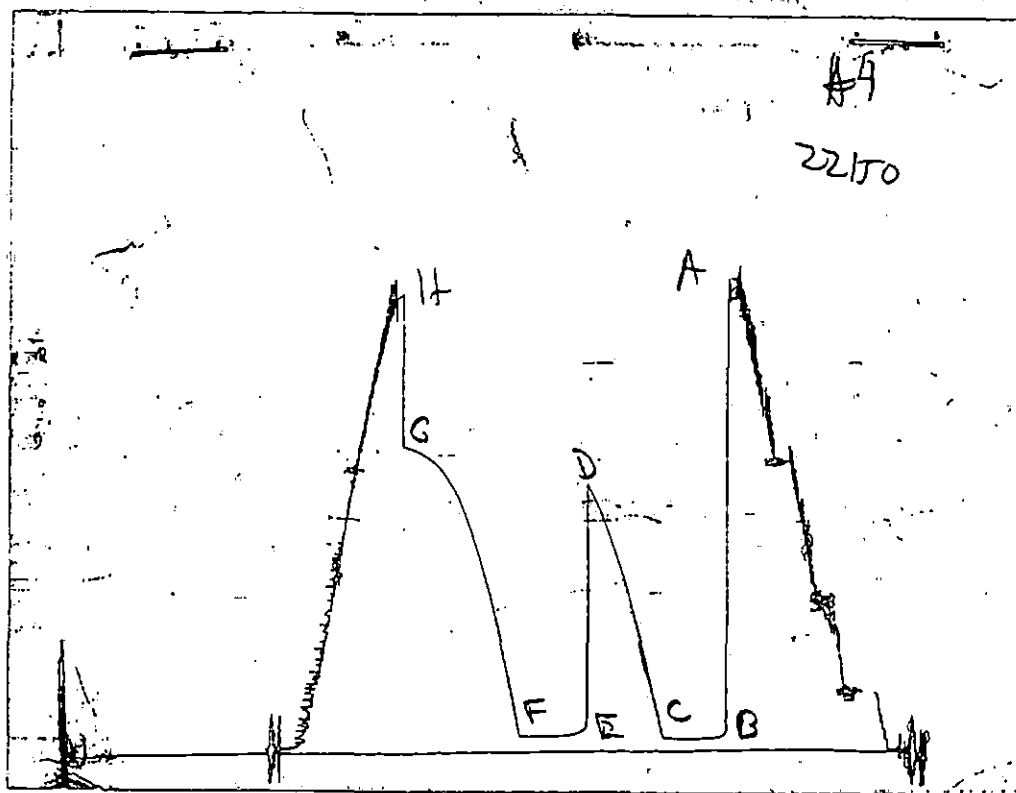
(F) Second Final Flow Pressure 47.91 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1546.19 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2281.07 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2382.5	2355.51
(B) FIRST INITIAL FLOW PRESSURE	60.3	26.43
(C) FIRST FINAL FLOW PRESSURE	60.3	40.28
(D) INITIAL CLOSED-IN PRESSURE	1334.6	1368.35
(E) SECOND INITIAL FLOW PRESSURE	59.4	46.74
(F) SECOND FINAL FLOW PRESSURE	58.4	47.91
(G) FINAL CLOSED-IN PRESSURE	1512	1546.19
(H) FINAL HYDROSTATIC MUD	2302.2	2281.07

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petroleum, Inc
WELL NAME: Jenkins #1-24
LOCATION : 24-29s-18w
INTERVAL : 4690.00 To 4735.00 ft

DATE 3/31/95
KB 2161.00 ft TICKET NO: 7901 DST #4
GR 2152.00 ft FORMATION: Altamont
TD 4735.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
45	Rec.	2215.	22150	2356			PF Fr. 45 to hr
60	Range(Psi)	3925.0	3925.0	4996.0	0.0	0.0	IS Fr. to 1 hr
45	Clock(hrs)	12HR	12HR	ALP			SF Fr. 45 to hr
90	Depth(ft)	4730.0	4730.0	4694.0	0.0	0.0	FS Fr. 30 to 1 hr

	Field	1	2	3	4	
Init Hydro	2397.0	2382.0	2355.0	0.0	0.0	T STARTED 0603 hr
First Flow	52.0	60.0	26.0	0.0	0.0	T ON BOTM 0725 hr
Final Flow	52.0	60.0	40.0	0.0	0.0	T OPEN 0727 hr
In Shut-in	1370.0	1335.0	1368.0	0.0	0.0	T PULLED 1127 hr
Init Flow	64.0	59.0	47.0	0.0	0.0	T OUT 1254 hr
Final Flow	52.0	58.0	48.0	0.0	0.0	
F1 Shut-in	1561.0	1512.0	1546.0	0.0	0.0	TOOL DATA-----
Final Hydro	2329.0	2281.0	2281.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 59000.00 lbs
						Unseated Str Wt 60000.00 lbs

RECOVERY

75.00	ft of	75.00	ft in DC and	0.00	ft in DP	
5.00	ft of	GASSY OIL CUT MUD 35% GAS; 15% OIL; 50% MUD.				Bot Choke 0.75 in
0.00	ft of					Hole Size 7.88 in
0.00	ft of					D Col. ID 2.25 in
0.00	ft of					D. Pipe ID 3.80 in
0.00	ft of					D.C. Length 116.00 ft
0.00	ft of					D.P. Length 4579.00 ft
0.00	ft of					

WALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

FLOW DESCRIPTION

W -
STRONG - BOTTOM OF BUCKET IN 7 MINUTES

W -
STRONG - GAUGING GAS - SEE REPORT

SAMPLES: 2ND FLOW
SENT TO: CARAWAY

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.20 lb/cf
Vis.	54.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1140.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

Tester	PAUL SIMPSON
Co. Rep.	TOM BLAIR
Contr.	MURFIN
Rig #	21
Unit #	
Pump T.	

Test Successful: Y

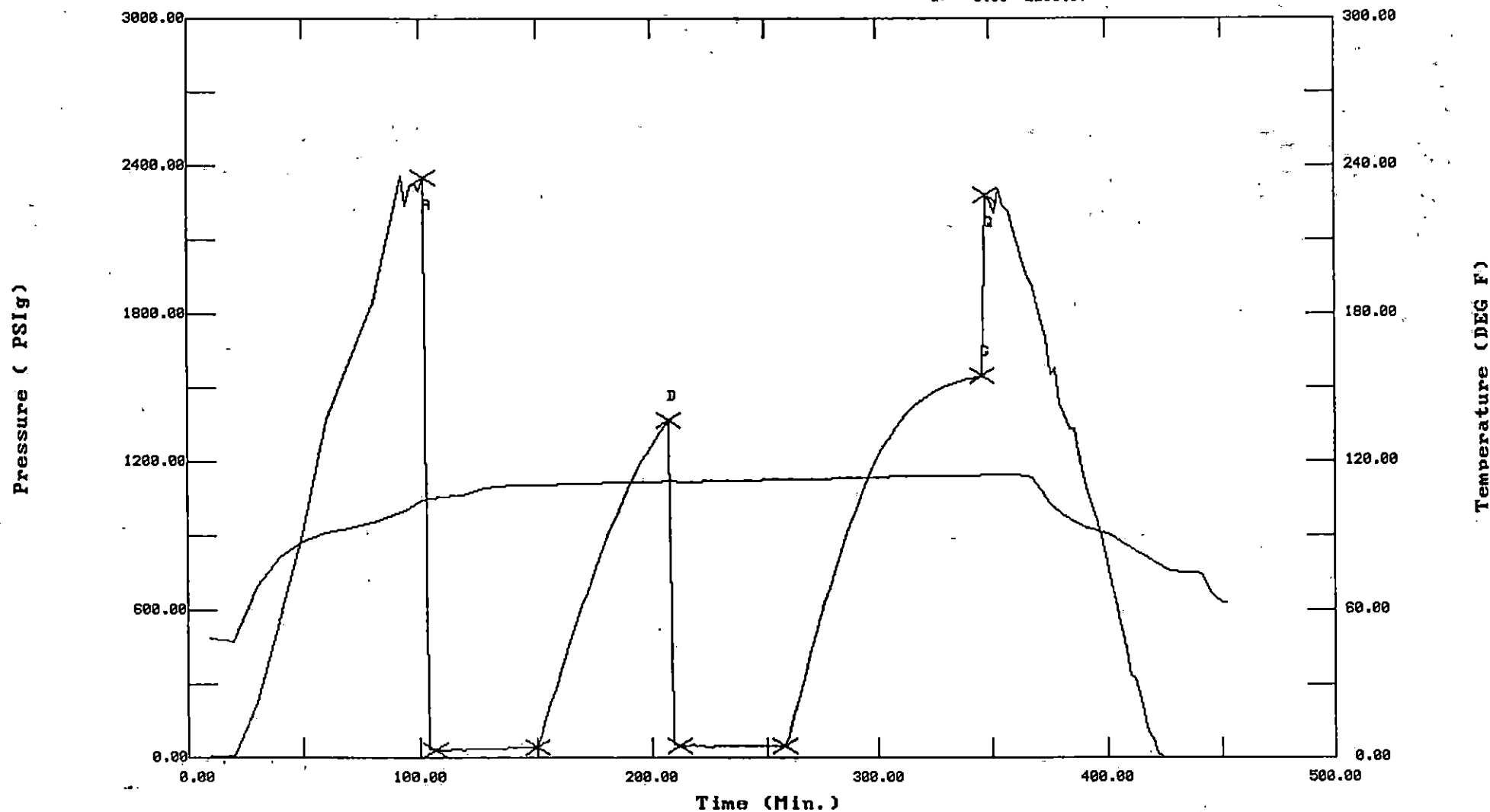
TEST HISTORY

Crossbar Petroleum 1-24 Jenkins DST #4

Flag Points

t(Min.) P(PSig)

A:	0.00	2355.51
B:	0.00	26.43
C:	44.00	40.28
D:	58.00	1368.35
E:	0.00	46.74
F:	46.00	47.91
G:	88.00	1546.19
Q:	0.00	2281.07



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum 1-24 Jenkins DST #4

DATE: 03/31/95

TIME: 05:43:11

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	102.00	2355.5	0.0	104.19		
***** Start Flow 1	0.00	26.4	0.0	105.06		
	2.00	29.2	2.8	105.32		
	4.00	29.5	3.0	105.54		
	6.00	30.1	3.7	105.73		
	8.00	31.8	5.4	105.89		
	10.00	33.2	6.8	106.08		
	12.00	30.5	4.0	106.28		
	14.00	31.3	4.9	106.72		
	16.00	32.1	5.6	107.59		
	18.00	32.6	6.2	108.05		
	20.00	33.5	7.0	108.60		
	22.00	34.0	7.6	108.88		
	24.00	34.5	8.1	109.14		
	26.00	35.3	8.9	109.43		
	28.00	35.7	9.3	109.70		
	30.00	36.5	10.1	109.90		
	32.00	37.1	10.7	110.03		
	34.00	37.5	11.1	110.12		
	36.00	38.2	11.7	110.18		
	38.00	38.8	12.3	110.21		
	40.00	39.4	12.9	110.24		
	42.00	40.0	13.6	110.29		
***** End Flow 1	44.00	40.3	13.8	110.34		
***** Start Shutin 1	0.00	40.3	0.0	110.34	0.0000	0.002
	2.00	93.6	53.3	110.38	23.0000	0.009
	4.00	157.7	117.4	110.46	12.0000	0.025
	6.00	219.5	179.3	110.54	8.3333	0.048
	8.00	279.3	239.0	110.60	6.5000	0.078
	10.00	338.0	297.7	110.67	5.4000	0.114
	12.00	395.4	355.1	110.73	4.6667	0.156
	14.00	452.0	411.7	110.78	4.1429	0.204
	16.00	507.7	467.4	110.84	3.7500	0.258
	18.00	562.6	522.3	110.90	3.4444	0.316
	20.00	616.4	576.1	110.96	3.2000	0.380
	22.00	669.3	629.0	111.02	3.0000	0.448
	24.00	721.2	680.9	111.06	2.8333	0.520
	26.00	771.6	731.3	111.11	2.6923	0.595
	28.00	821.1	780.8	111.17	2.5714	0.674
	30.00	869.1	828.9	111.23	2.4667	0.755
	32.00	915.0	874.7	111.27	2.3750	0.837
	34.00	959.8	919.5	111.31	2.2941	0.921
	36.00	1003.3	963.1	111.38	2.2222	1.007
	38.00	1045.1	1004.9	111.42	2.1579	1.092
	40.00	1085.8	1045.6	111.46	2.1000	1.179
	42.00	1124.6	1084.3	111.50	2.0476	1.265
	44.00	1161.5	1121.2	111.55	2.0000	1.349
	46.00	1196.5	1156.2	111.59	1.9565	1.432
	48.00	1229.7	1189.4	111.66	1.9167	1.512
	50.00	1261.3	1221.0	111.68	1.8800	1.591
	52.00	1291.0	1250.7	111.73	1.8462	1.667

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum 1-24 Jenkins DST #4

DATE: 03/31/95

TIME: 05:43:11

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dt)/dt	P^2/10^6
	54.00	1318.7	1278.5	111.79	1.8148	1.739
	56.00	1344.6	1304.3	111.83	1.7857	1.808
***** End Shut-in 1	58.00	1368.4	1328.1	111.87	1.7586	1.872
***** Start Flow 2	0.00	46.7	0.0	111.75		
	2.00	48.0	1.3	111.64		
	4.00	47.1	0.3	111.61		
	6.00	51.2	4.4	111.65		
	8.00	43.4	-3.4	111.70		
	10.00	47.9	1.2	111.77		
	12.00	41.5	-5.3	111.82		
	14.00	42.0	-4.8	111.88		
	16.00	46.9	0.2	111.97		
	18.00	43.3	-3.4	112.02		
	20.00	43.0	-3.7	112.07		
	22.00	44.5	-2.3	112.11		
	24.00	46.0	-0.8	112.16		
	26.00	46.3	-0.4	112.20		
	28.00	42.9	-3.9	112.26		
	30.00	45.6	-1.2	112.32		
	32.00	44.0	-2.8	112.35		
	34.00	45.4	-1.3	112.38		
	36.00	44.0	-2.8	112.41		
	38.00	46.2	-0.5	112.45		
	40.00	46.2	-0.6	112.51		
	42.00	46.0	-0.8	112.55		
	44.00	47.2	0.4	112.62		
***** End Flow 2	46.00	47.9	1.2	112.63		
***** Start Shutin 2	0.00	47.9	0.0	112.63	0.0000	0.002
	2.00	86.8	38.9	112.63	46.0000	0.008
	4.00	163.1	115.2	112.63	23.5000	0.027
	6.00	236.4	188.5	112.63	16.0000	0.056
	8.00	306.5	258.6	112.63	12.2500	0.094
	10.00	374.3	326.4	112.64	10.0000	0.140
	12.00	440.5	392.6	112.75	8.5000	0.194
	14.00	505.1	457.2	112.80	7.4286	0.255
	16.00	568.0	520.1	112.87	6.6250	0.323
	18.00	629.5	581.5	112.94	6.0000	0.396
	20.00	689.9	642.0	113.00	5.5000	0.476
	22.00	747.7	699.8	113.04	5.0909	0.559
	24.00	803.3	755.4	113.09	4.7500	0.645
	26.00	857.4	809.5	113.13	4.4615	0.735
	28.00	910.3	862.4	113.20	4.2143	0.829
	30.00	960.0	912.0	113.23	4.0000	0.922
	32.00	1008.0	960.1	113.29	3.8125	1.016
	34.00	1054.0	1006.0	113.32	3.6471	1.111
	36.00	1098.1	1050.2	113.37	3.5000	1.206
	38.00	1139.5	1091.6	113.41	3.3684	1.298
	40.00	1178.4	1130.5	113.45	3.2500	1.389
	42.00	1215.1	1167.2	113.51	3.1429	1.476
	44.00	1249.3	1201.4	113.54	3.0455	1.561
	46.00	1281.0	1233.1	113.60	2.9565	1.641

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum 1-24 Jenkins DST #4

DATE: 03/31/95

TIME: 05:43:11

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	48.00	1310.3	1262.4	113.63	2.8750	1.717
	50.00	1337.0	1289.1	113.66	2.8000	1.788
	52.00	1361.5	1313.6	113.69	2.7308	1.854
	54.00	1383.4	1335.5	113.73	2.6667	1.914
	56.00	1403.3	1355.4	113.77	2.6071	1.969
	58.00	1421.1	1373.1	113.79	2.5517	2.019
	60.00	1437.1	1389.2	113.83	2.5000	2.065
	62.00	1451.4	1403.5	113.87	2.4516	2.107
	64.00	1464.3	1416.4	113.88	2.4062	2.144
	66.00	1475.8	1427.9	113.93	2.3636	2.178
	68.00	1486.1	1438.2	113.95	2.3235	2.208
	70.00	1495.2	1447.3	113.98	2.2857	2.236
	72.00	1503.4	1455.5	114.01	2.2500	2.260
	74.00	1510.7	1462.8	114.04	2.2162	2.282
	76.00	1517.4	1469.5	114.07	2.1842	2.303
	78.00	1523.4	1475.5	114.08	2.1538	2.321
	80.00	1528.7	1480.8	114.13	2.1250	2.337
	82.00	1533.8	1485.9	114.15	2.0976	2.352
	84.00	1538.4	1490.5	114.17	2.0714	2.367
	86.00	1542.5	1494.6	114.19	2.0465	2.379
***** End Shut-in 2	88.00	1546.2	1498.3	114.22	2.0227	2.391
***** Final Hydro.	348.00	2281.1	0.0	114.29		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jenkins #1-24

LOCATION : 24-29s-18w

TICKET No. 7901 D.S.T. No. 4 DATE 3/31/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 14

TOTAL TOOL 41

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 72

D.C. ABOVE TOOLS.Stands2 Single Total 116

D.P. ABOVE TOOLS.Stands73 Single Total 4579

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4579

TOTAL DEPTH 4735

TOTAL DRILL PIPE ABOVE K.B. 32

REMARKS:

P.O. SUB	
C.O. SUB	
S.I. TOOL	4665
HMV HYDRAULIC TOOL	4670
JARS	4675
SAFETY JOINT	4679
PACKER TOP PACKER	4685
PACKER BOTTOM PACKER	4690
DEPTH 4690	
STUBB	4694
ANCHOR 3' PERF	4694
ALPINE RECORDER	4694
DRILL PIPE AND	
SUBS	4727
5' PERF	4732
T.C.	
DEPTH	
AK1 RECORDER	4731
BULLNOSE	
T.D.	

GAS RECOVERY

COMPANY: Crossbar Petroleum, Inc

DATE: 3/31/95

WELL NAME: Jenkins #1-24

KB Elev: 2161.00 ft TICKET #7901 DST #4

WELL LOCATION: 24-29s-18w

GR Elev: 2152.00 ft FORMATION: Altamont

INTERVAL Fr.: 4690.00 To 4735.00 T.D.: 4735.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH MERLA

***** GAS RATES FOR FLOW #2

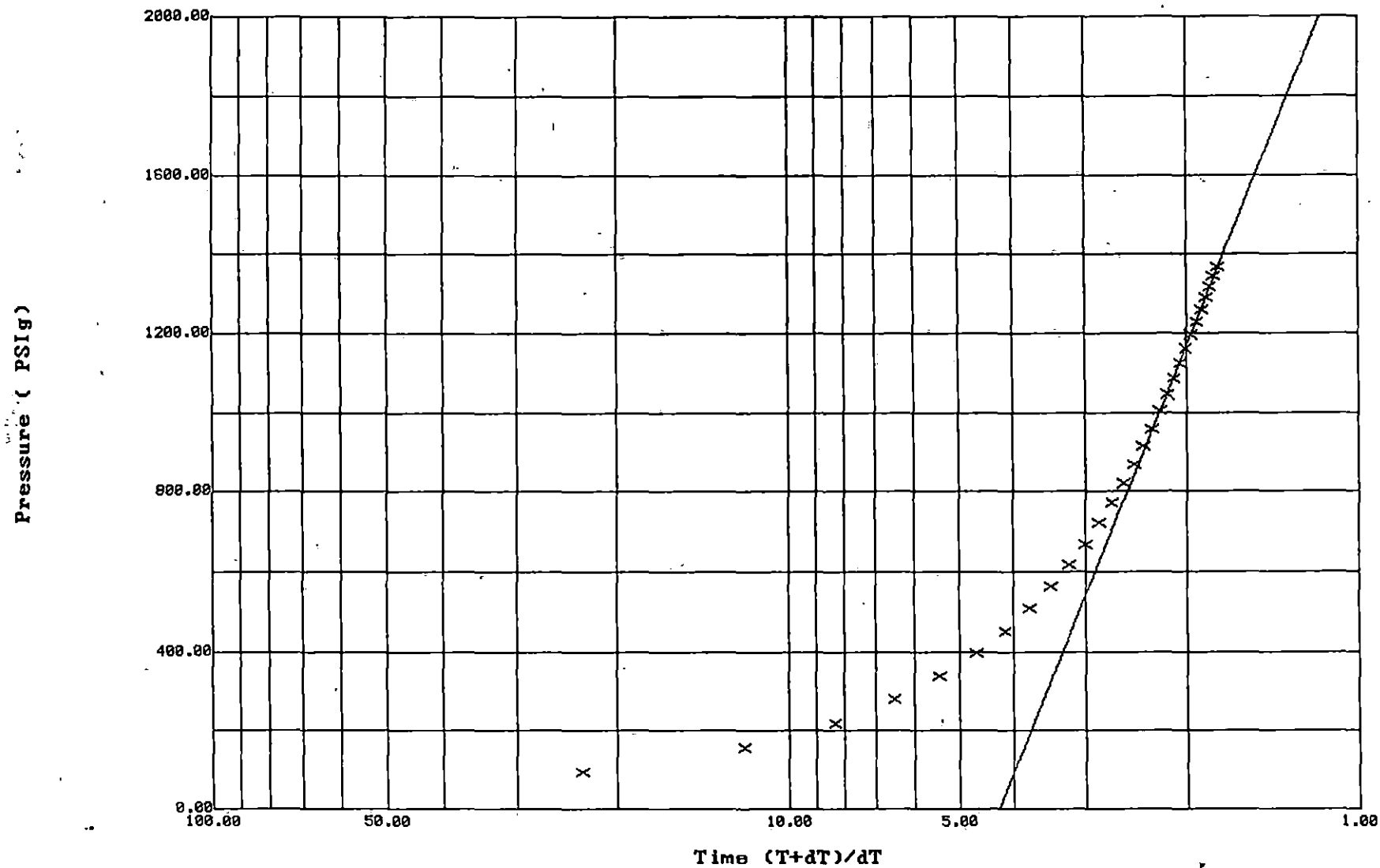
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
12	0.25	0	10	5.3
20	0.25	0	10	5.3
30	0.25	0	10	5.3
40	0.25	0	10	5.3
45	0.25	0	10	5.3

Horner Plot: shut-in #1

Crossbar Petroleum 1-24 Jenkins DST #4

Slope: 3578.6697 PSig/cycle

Ext. Pressure: 2245.7458 PSig

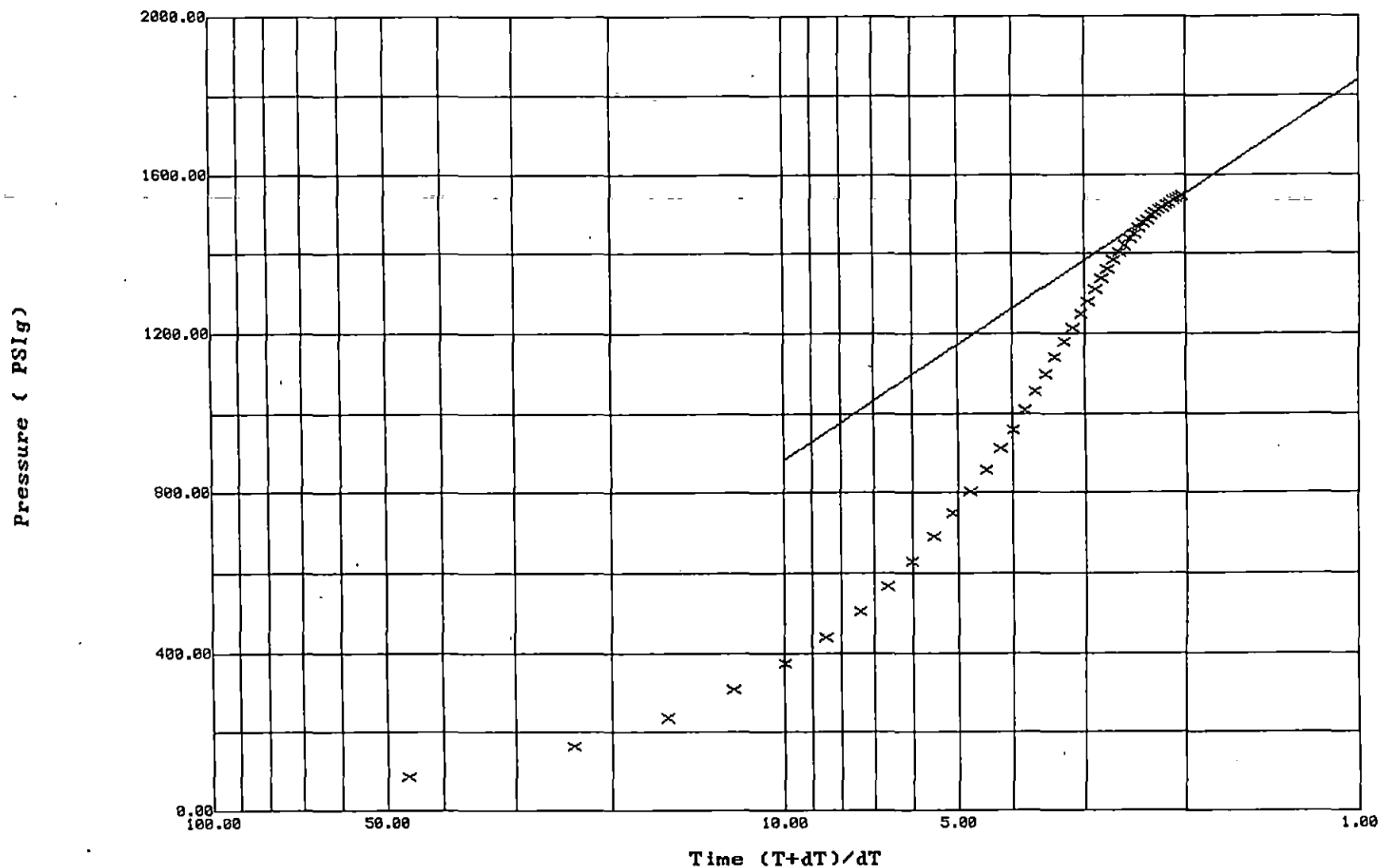


Horner Plot: shut-in #2

Crossbar Petroleum 1-24 Jenkins DST #4

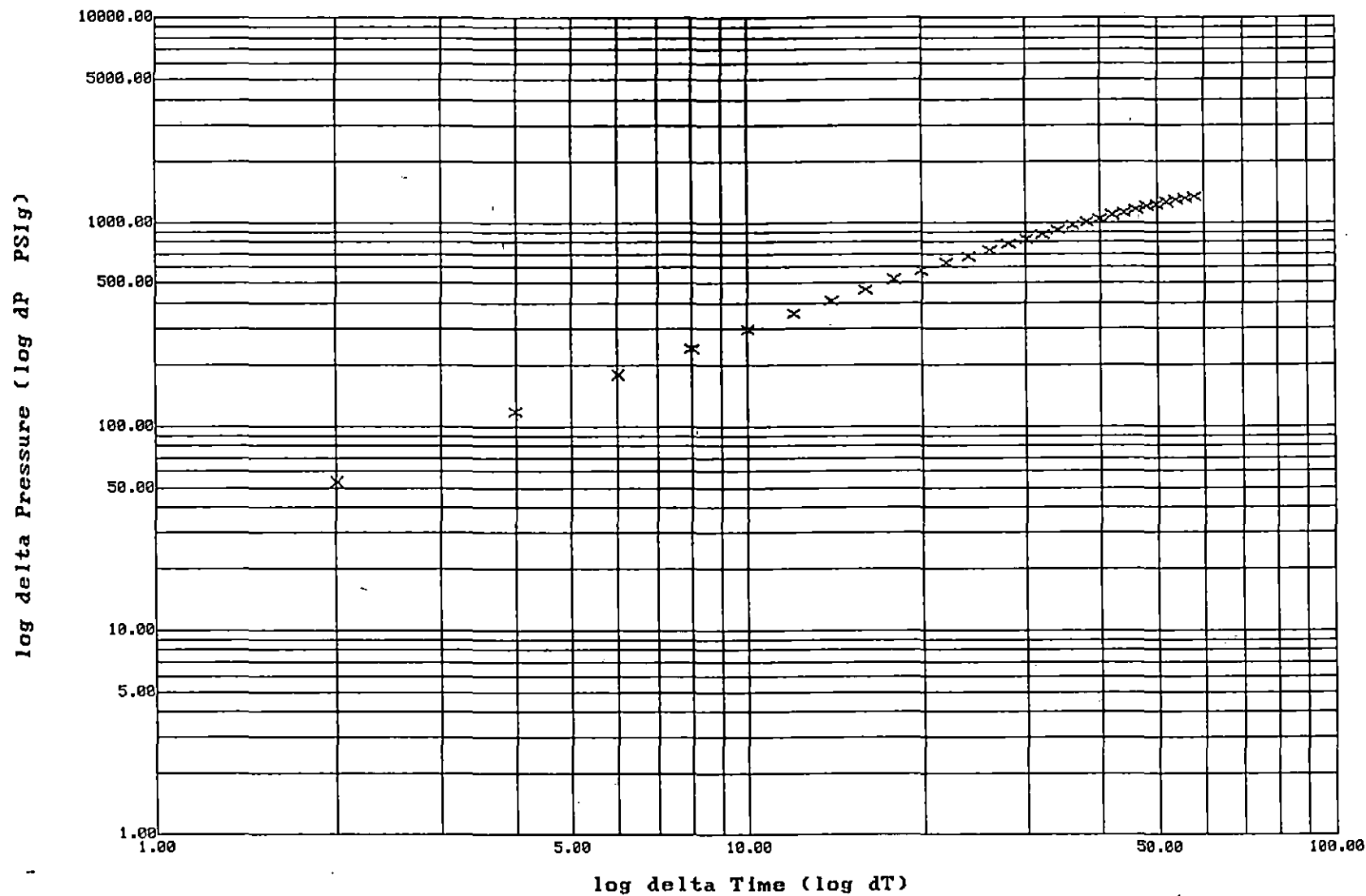
Slope: 956.5829 PSig/cycle

Ext. Pressure: 1840.7535 PSig



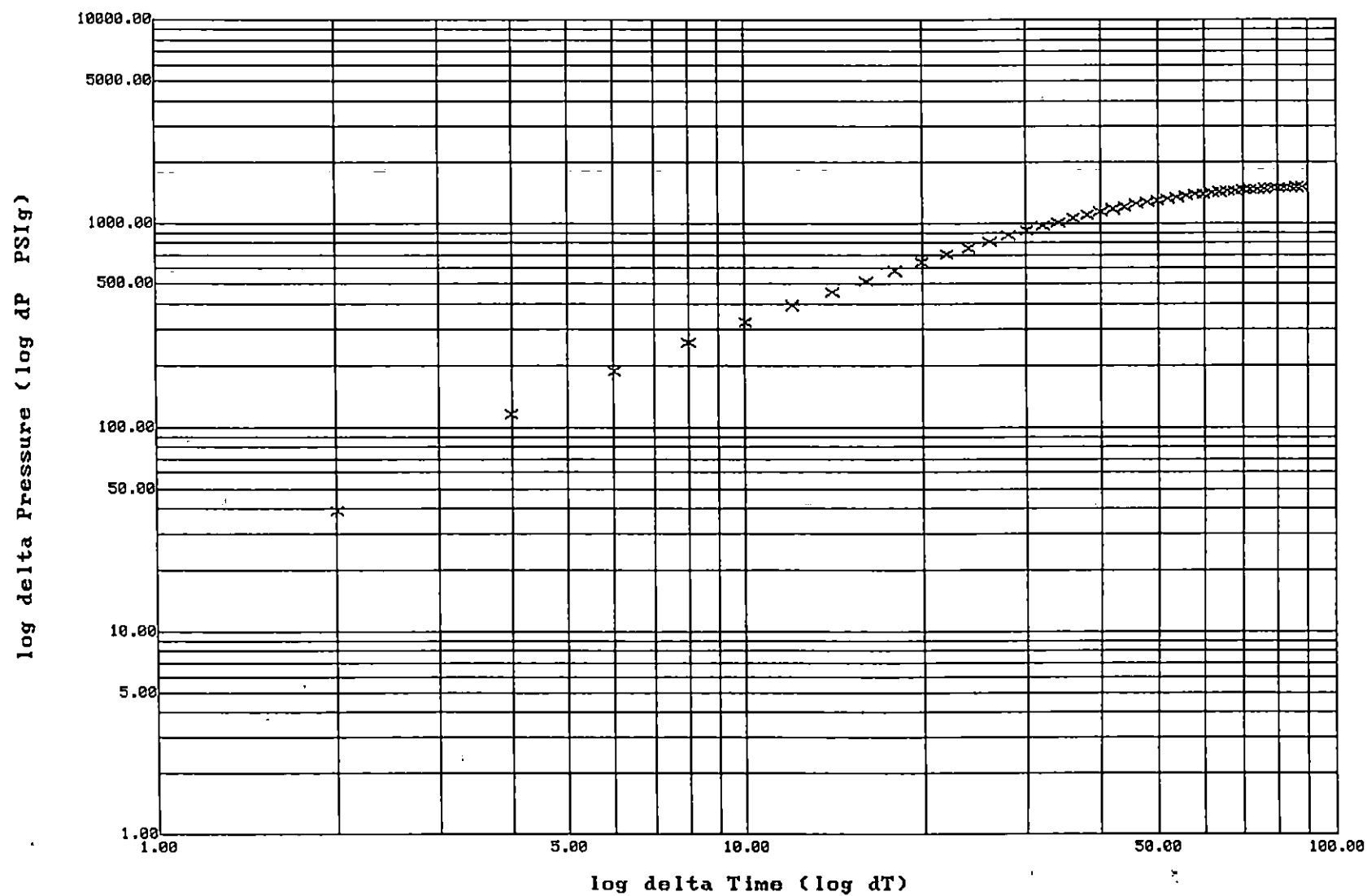
11718 (3,571)

Ramey Plot: shut-in #1
Crossbar Petroleum 1-24 Jenkins DST #4



Ramey Plot: shut-in #2

Crossbar Petroleum 1-24 Jenkins DST #4



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: 950178
Sample From: Jenkins 1-24 DST 4
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 04/05/95
Pressure:
Temperature:
Location: 24-29-18
County: Kiowa
State: Kansas
Formation: Altamony

	Mole %	GPM
Helium	He: 0.086	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.820	0.000
Carbon Dioxide	CO2: 0.115	0.000
Methane	C1: 56.885	0.000
Ethane	C2: 8.928	2.388
Propane	C3: 14.060	3.874
Iso Butane	iC4: 3.039	0.994
Normal Butane	nC4: 7.842	2.472
Iso Pentane	iC5: 1.987	0.727
Normal Pentane	nC5: 2.109	0.764
Hexanes Plus	C6+: 1.129	0.493

TOTAL: 100.000 11.712
Z Fact: 0.9928
SP.GR.: 1.0248
BTU (SAT): 1649.6 @ 14.73 psia
BTU (DRY): 1678.8 @ 14.73 psia
OCTANE RATING: 110.1

COMMENTS: Sample entered under vacuum

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CROSS BAR PETROLEUM Test No. 5 Date 4/1/95
Company JENKINS 1-24 Zone MISSISSIPPI
Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2152
Co. Rep./Geo. TOM BLAIR Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4760-4870 Drill Pipe Size 4.5" XH
Anchor Length 110 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4755 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 4760 Mud Wt. 9.3 lb/Gal.
Total Depth 4870 Viscosity 48 Filtrate 9.2

Tool Open @ 6:30AM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 5 MINUTES.

Final Blow STRONG GAS TO SURFACE IN 3 MINUTES. SEE REPORT.

Recovery - Total Feet 70 Flush Tool? NO

Rec. 70 Feet of GASSY MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity 38 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2436.16 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 36.67 PSI @ (depth) 4765 w / Clock No. ALPINE

(C) First Final Flow Pressure 56.89 PSI AK1 Recorder No. 22150 Range 3925

(D) Initial Shut-in Pressure 1162.39 PSI @ (depth) 4864 w / Clock No. 23839

(E) Second Initial Flow Pressure 54.63 PSI AK1 Recorder No. _____ Range _____

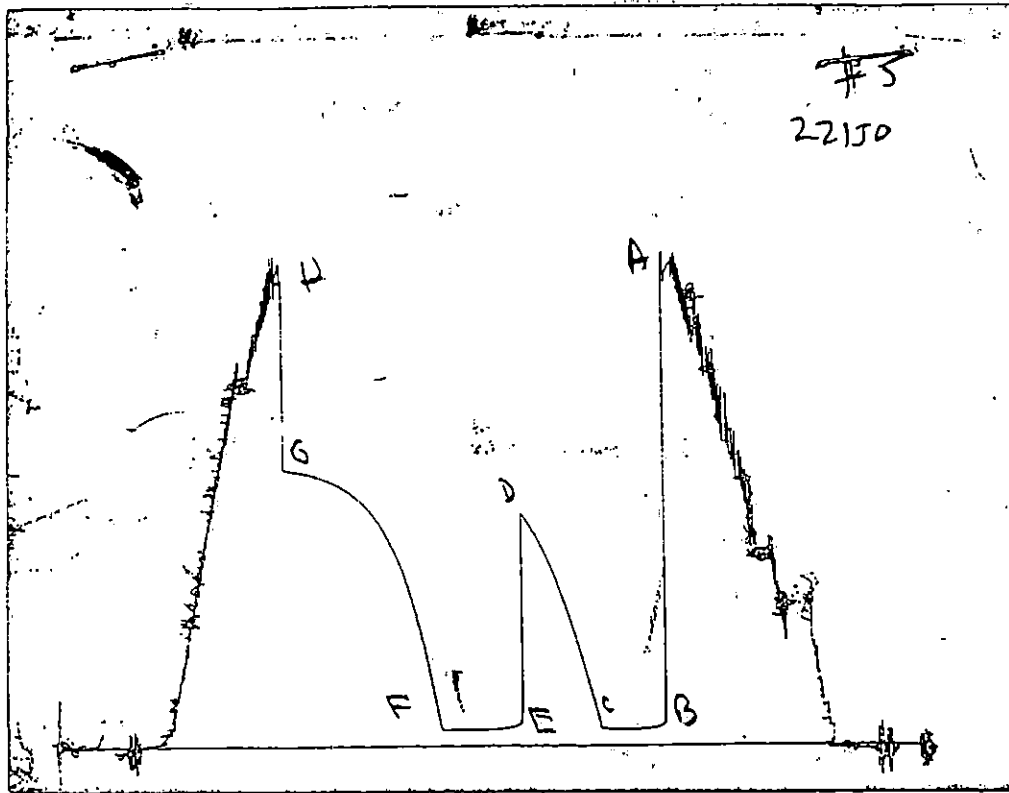
(F) Second Final Flow Pressure 48.59 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1393.53 PSI Initial Opening 45 Final Flow 60

(H) Final Hydrostatic Mud 2349.13 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2505	2502	2436.16
(B) FIRST INITIAL FLOW PRESSURE	84.3	115	36.67
(C) FIRST FINAL FLOW PRESSURE	84.3	115	56.89
(D) INITIAL CLOSED-IN PRESSURE	1156	1138	1162.39
(E) SECOND INITIAL FLOW PRESSURE	79.5	115	54.63
(F) SECOND FINAL FLOW PRESSURE	79.5	115	48.59
(G) FINAL CLOSED-IN PRESSURE	1377	1381	1393.53
(H) FINAL HYDROSTATIC MUD	2440	2441	2349.13

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petroleum, Inc.
 WELL NAME: Jenkins #1-24
 LOCATION : 24-29s-18w
 INTERVAL : 4760.00 To 4870.00 ft

DATE 4-01-95
 KB 2161.00 ft TICKET NO: 7902 DST #5
 GR 2152.00 ft FORMATION: Mississippi
 TD 4870.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	22150		2356			PF Fr. 45 to hr
SI 60 Range(Psi)	3925.0	0.0	4996.0	0.0	0.0	IS Fr. to 1 hr
SF 45 Clook(hrs)	12hr		alp			SF Fr. 45 to hr
FS 90 Depth(ft)	4864.0	0.0	4765.0	0.0	0.0	FS Fr. 30 to 1 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2436.0	0.0	0.0	T STARTED 0430 hr
B. First Flow	0.0	0.0	37.0	0.0	0.0	T ON BOTM 0601 hr
B1. Final Flow	0.0	0.0	57.0	0.0	0.0	T OPEN 0603 hr
C. In Shut-in	0.0	0.0	1162.0	0.0	0.0	T PULLED 1048 hr
D. Init Flow	0.0	0.0	55.0	0.0	0.0	T OUT 1234 hr
E. Final Flow	0.0	0.0	49.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1394.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2349.0	0.0	0.0	Tool Wt. 2600.00 lbs
Inside/Outside	o	1				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 64000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 61000.00 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 116.00 ft
						D.P. Length 4645.00 ft

RECOVERY

Tot Fluid 70.00 ft of 70.00 ft in DC and 0.00 ft in DP
 70.00 ft of gassy mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

IF-
 Strong- bottom of bucket in 5 minutes

FF-

Strong-guaging gas--see report

SAMPLES: 2nd flow

SENT TO: Caraway

Test Successful: Y

MUD DATA-----

Mud Type chemical
 Weight 9.30 lb/cf
 Vis. 48.00 S/L
 W.L. 8.40 in3
 F.C. 0.00 in
 Mud Drop

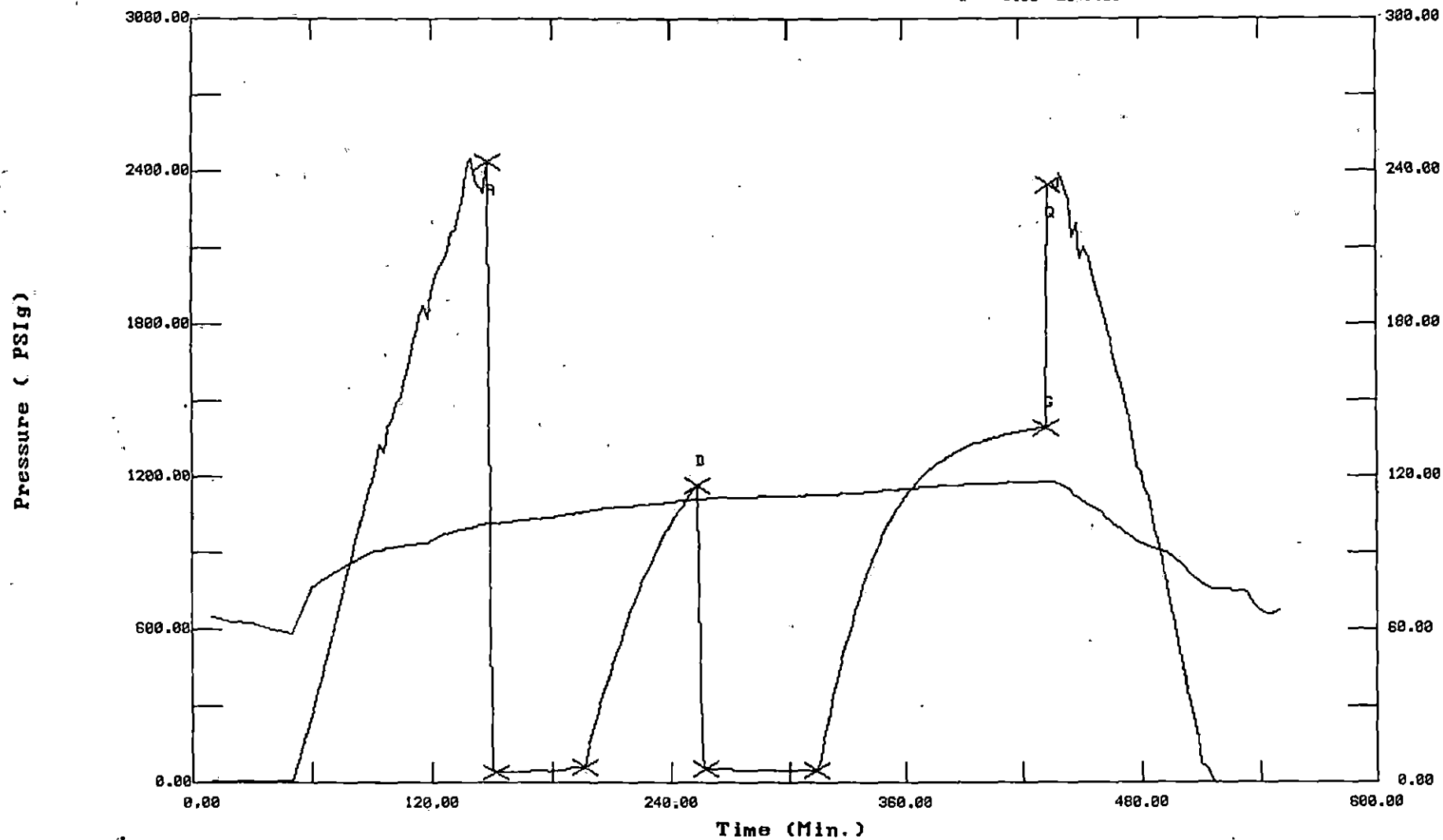
Amt. of fill 0.00 ft
 Btm. H. Temp. 117.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Paul Simpson
 Co. Rep. Tom Blair
 Contr. Murfin
 Rig # 21
 Unit #
 Pump T.

TEST HISTORY

Crossbar Petroleum #1-24 Jenkins DST #5

Flag Points
t(Min.) P(PSig)

A:	0.00	2436.16
B:	0.00	36.67
C:	44.00	56.89
D:	58.00	1162.39
E:	0.00	54.63
F:	56.00	48.59
G:	118.00	1393.53
Q:	0.00	2349.13



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum #1-24 Jenkins DST #5

DATE: 04/01/95

TIME: 03:35:09

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	148.00	2436.2	0.0	101.15		
***** Start Flow 1	0.00	36.7	0.0	101.34		
	2.00	38.1	1.4	101.51		
	4.00	42.0	5.3	101.68		
	6.00	41.5	4.8	101.82		
	8.00	42.0	5.4	102.01		
	10.00	39.4	2.7	102.20		
	12.00	40.9	4.3	102.38		
	14.00	37.8	1.1	102.55		
	16.00	40.4	3.7	102.76		
	18.00	43.0	6.4	102.99		
	20.00	46.2	9.5	103.16		
	22.00	44.9	8.2	103.32		
	24.00	46.3	9.7	103.52		
	26.00	41.9	5.2	103.74		
	28.00	43.0	6.3	103.95		
	30.00	44.5	7.8	104.17		
	32.00	45.1	8.4	104.36		
	34.00	46.7	10	104.56		
	36.00	48.7	12.0	104.76		
	38.00	59.0	22.3	105.05		
	40.00	60.2	23.5	105.32		
	42.00	58.2	21.6	105.70		
***** End Flow 1	44.00	56.9	20.2	106.02		
***** Start Shutin 1	0.00	56.9	0.0	106.02	0.0000	0.003
	2.00	147.7	90.8	106.30	23.0000	0.022
	4.00	201.8	144.9	106.55	12.0000	0.041
	6.00	254.5	197.6	106.75	8.3333	0.065
	8.00	306.1	249.2	106.96	6.5000	0.094
	10.00	356.6	299.7	107.16	5.4000	0.127
	12.00	406.1	349.2	107.34	4.6667	0.165
	14.00	454.0	397.1	107.50	4.1429	0.206
	16.00	501.0	444.1	107.73	3.7500	0.251
	18.00	546.6	489.7	107.89	3.4444	0.299
	20.00	590.7	533.8	107.90	3.2000	0.349
	22.00	633.1	576.2	107.90	3.0000	0.401
	24.00	674.6	617.7	108.08	2.8333	0.455
	26.00	714.5	657.6	108.24	2.6923	0.510
	28.00	752.8	695.9	108.39	2.5714	0.567
	30.00	789.7	732.8	108.57	2.4667	0.624
	32.00	825.3	768.4	108.72	2.3750	0.681
	34.00	859.3	802.4	108.86	2.2941	0.738
	36.00	891.8	834.9	109.01	2.2222	0.795
	38.00	923.0	866.1	109.17	2.1579	0.852
	40.00	952.8	895.9	109.33	2.1000	0.908
	42.00	981.4	924.5	109.54	2.0476	0.963
	44.00	1008.3	951.4	109.68	2.0000	1.017
	46.00	1034.1	977.2	109.84	1.9565	1.069
	48.00	1058.6	1001.7	110.01	1.9167	1.121
	50.00	1081.8	1024.9	110.19	1.8800	1.170
	52.00	1103.7	1046.8	110.34	1.8462	1.218

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum #1-24 Jenkins DST #5

DATE: 04/01/95

TIME: 03:35:09

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	54.00	1124.5	1067.6	110.53	1.8148	1.264
	56.00	1144.0	1087.1	110.68	1.7857	1.309
***** End Shut-in 1	58.00	1162.4	1105.5	110.83	1.7586	1.351
***** Start Flow 2	0.00	54.6	0.0	111.05		
	2.00	49.8	-4.8	111.22		
	4.00	49.9	-4.7	111.36		
	6.00	51.5	-3.1	111.43		
	8.00	50.9	-3.7	111.49		
	10.00	53.8	-0.8	111.52		
	12.00	48.7	-6.0	111.54		
	14.00	48.3	-6.3	111.57		
	16.00	47.2	-7.5	111.57		
	18.00	47.4	-7.2	111.61		
	20.00	47.5	-7.1	111.67		
	22.00	48.6	-6.0	111.67		
	24.00	48.2	-6.5	111.72		
	26.00	48.3	-6.3	111.79		
	28.00	47.3	-7.3	111.85		
	30.00	47.5	-7.1	111.89		
	32.00	47.5	-7.1	111.93		
	34.00	47.6	-7.1	111.96		
	36.00	48.5	-6.1	112.01		
	38.00	48.4	-6.2	112.06		
	40.00	48.0	-6.6	112.11		
	42.00	47.6	-7.0	112.17		
	44.00	47.2	-7.5	112.22		
	46.00	48.0	-6.6	112.27		
	48.00	48.4	-6.2	112.34		
	50.00	48.4	-6.2	112.37		
	52.00	47.9	-6.7	112.43		
	54.00	47.8	-6.8	112.53		
***** End Flow 2	56.00	48.6	-6.0	112.63		
***** Start Shutin 2	0.00	48.6	0.0	112.63	0.0000	0.002
	2.00	91.0	42.4	112.63	51.0000	0.008
	4.00	169.4	120.9	112.63	26.0000	0.029
	6.00	243.5	194.9	112.64	17.6667	0.059
	8.00	314.0	265.5	112.73	13.5000	0.099
	10.00	381.4	332.8	112.85	11.0000	0.145
	12.00	445.3	396.7	112.95	9.3333	0.198
	14.00	506.6	458.0	113.01	8.1429	0.257
	16.00	564.3	515.7	113.11	7.2500	0.318
	18.00	618.9	570.3	113.21	6.5556	0.383
	20.00	670.4	621.8	113.32	6.0000	0.449
	22.00	719.3	670.7	113.42	5.5455	0.517
	24.00	765.2	716.6	113.54	5.1667	0.585
	26.00	808.4	759.8	113.67	4.8462	0.653
	28.00	849.1	800.5	113.75	4.5714	0.721
	30.00	887.5	838.9	113.92	4.3333	0.788
	32.00	923.4	874.9	114.04	4.1250	0.853
	34.00	957.1	908.5	114.18	3.9412	0.916
	36.00	988.7	940.1	114.34	3.7778	0.977

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Crossbar Petroleum #1-24 Jenkins DST #5

DATE: 04/01/95

TIME: 03:35:09

Time	Pressure PSig	delta PSig	P	Temp. DEG F	(T+dT)/dT	P^2/10^6
38.00	1018.1	969.5		114.46	3.6316	1.037
40.00	1045.6	997.1		114.59	3.5000	1.093
42.00	1071.2	1022.7		114.75	3.3810	1.148
44.00	1095.2	1046.6		114.91	3.2727	1.199
46.00	1117.2	1068.7		115.00	3.1739	1.248
48.00	1137.8	1089.2		115.10	3.0833	1.295
50.00	1156.9	1108.4		115.23	3.0000	1.339
52.00	1174.6	1126.0		115.36	2.9231	1.380
54.00	1191.0	1142.4		115.51	2.8519	1.419
56.00	1206.3	1157.7		115.62	2.7857	1.455
58.00	1220.4	1171.8		115.72	2.7241	1.489
60.00	1233.5	1184.9		115.85	2.6667	1.521
62.00	1245.6	1197.0		115.96	2.6129	1.551
64.00	1256.8	1208.2		116.06	2.5625	1.580
66.00	1267.2	1218.6		116.16	2.5152	1.606
68.00	1276.9	1228.3		116.26	2.4706	1.630
70.00	1285.9	1237.3		116.33	2.4286	1.654
72.00	1294.3	1245.7		116.42	2.3889	1.675
74.00	1302.1	1253.5		116.50	2.3514	1.696
76.00	1309.5	1260.9		116.58	2.3158	1.715
78.00	1316.3	1267.7		116.65	2.2821	1.733
80.00	1322.6	1274.0		116.72	2.2500	1.749
82.00	1328.6	1280.0		116.76	2.2195	1.765
84.00	1334.1	1285.5		116.86	2.1905	1.780
86.00	1339.3	1290.7		116.90	2.1628	1.794
88.00	1344.3	1295.8		116.96	2.1364	1.807
90.00	1349.0	1300.4		117.00	2.1111	1.820
92.00	1353.4	1304.8		117.06	2.0870	1.832
94.00	1357.5	1308.9		117.12	2.0638	1.843
96.00	1361.5	1312.9		117.14	2.0417	1.854
98.00	1365.2	1316.7		117.19	2.0204	1.864
100.00	1368.8	1320.2		117.23	2.0000	1.874
102.00	1372.1	1323.5		117.27	1.9804	1.883
104.00	1375.4	1326.8		117.29	1.9615	1.892
106.00	1378.4	1329.8		117.33	1.9434	1.900
108.00	1381.2	1332.6		117.37	1.9259	1.908
110.00	1383.9	1335.3		117.38	1.9091	1.915
112.00	1386.6	1338.0		117.42	1.8929	1.923
114.00	1389.0	1340.4		117.44	1.8772	1.929
116.00	1391.3	1342.8		117.47	1.8621	1.936
118.00	1393.5	1344.9		117.48	1.8475	1.942
***** End Shut-in 2						
***** Final Hydro.	434.00	2349.1	0.0	117.53		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jenkins #1-24

LOCATION : 24-29s-18w

TICKET No. 7902 D.S.T. No. 5 DATE 4-01-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL.....

BOTTOM PACKERS AND ANCHOR 16

TOTAL TOOL 43

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 94

TOTAL ASSEMBLY 137

D.C. ABOVE TOOLS.Stands2 Single Total 116

D.P. ABOVE TOOLS.Stands74 Single Total 4645

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4898

TOTAL DEPTH 4870

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

P.O. SUB	
C.O. SUB double pin sub	4735
S.I. TOOL	4740
HMV hydraulic tool	4745
JARS	4749
SAFETY JOINT	4751
PACKER top packer	4755
PACKER bottom packer	4760
DEPTH 4760	
STUBB	4761
ANCHOR 3' perf	4764
alpine recorder	4765
joint drill pipe	
and subs	4796
stand drill pipe	4859
sub	4860
5' pickup sub	4865
T.C.	
DEPTH	
2' perf anchor	4867
ak1 recorder	4867
BULLNOSE	
T.D. bullplug	4870

GAS RECOVERY

COMPANY: Crossbar Petroleum, Inc.

DATE: 4-01-95

WELL NAME: Jenkins #1-24

KB Elev: 2161.00 ft TICKET #7902

DST #5

WELL LOCATION: 24-29s-18w

GR Elev: 2152.00 ft FORMATION: Mississippi

INTERVAL Fr.: 4760.00 To 4870.00 T.D.: 4870.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #2

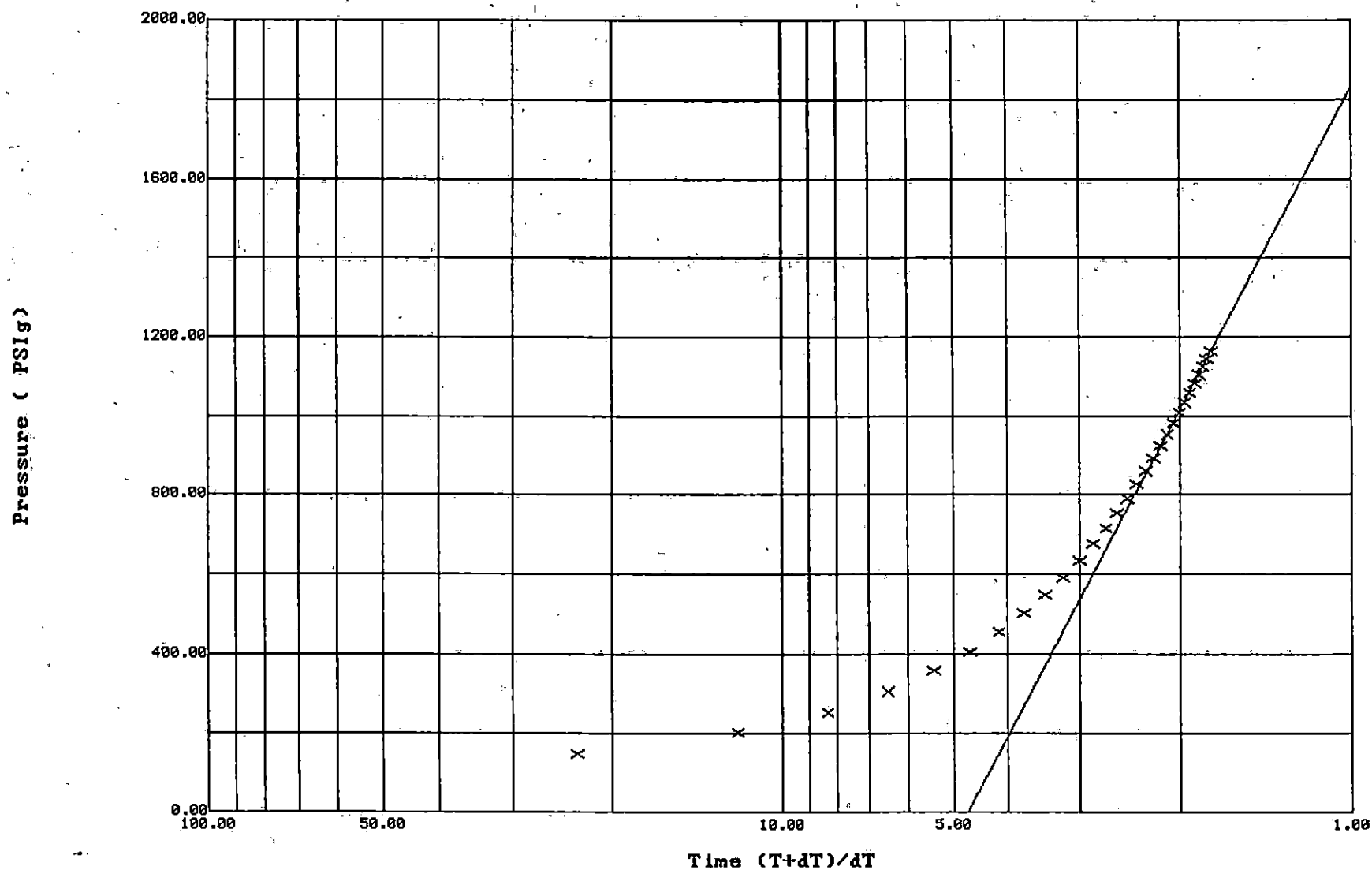
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	0	.40	89.8
10	0.75	0	20	63.5
15	0.50	0	20	28.0
20	0.50	0	12	21.9
25	0.25	0	20	7.5
30	0.25	0	26	8.6
35	0.25	0	28	8.9
40	0.25	0	30	9.2
45	0.25	0	32	9.5
50	0.25	0	32	9.5
55	0.25	0	34	9.8
60	0.25	0	35	9.9

Horner Plot: shut-in #1

Crossbar Petroleum #1-24 Jenkins DST #5

Slope: 2729.9314 PSig/cycle

Ext. Pressure: 1830.8364 PSig

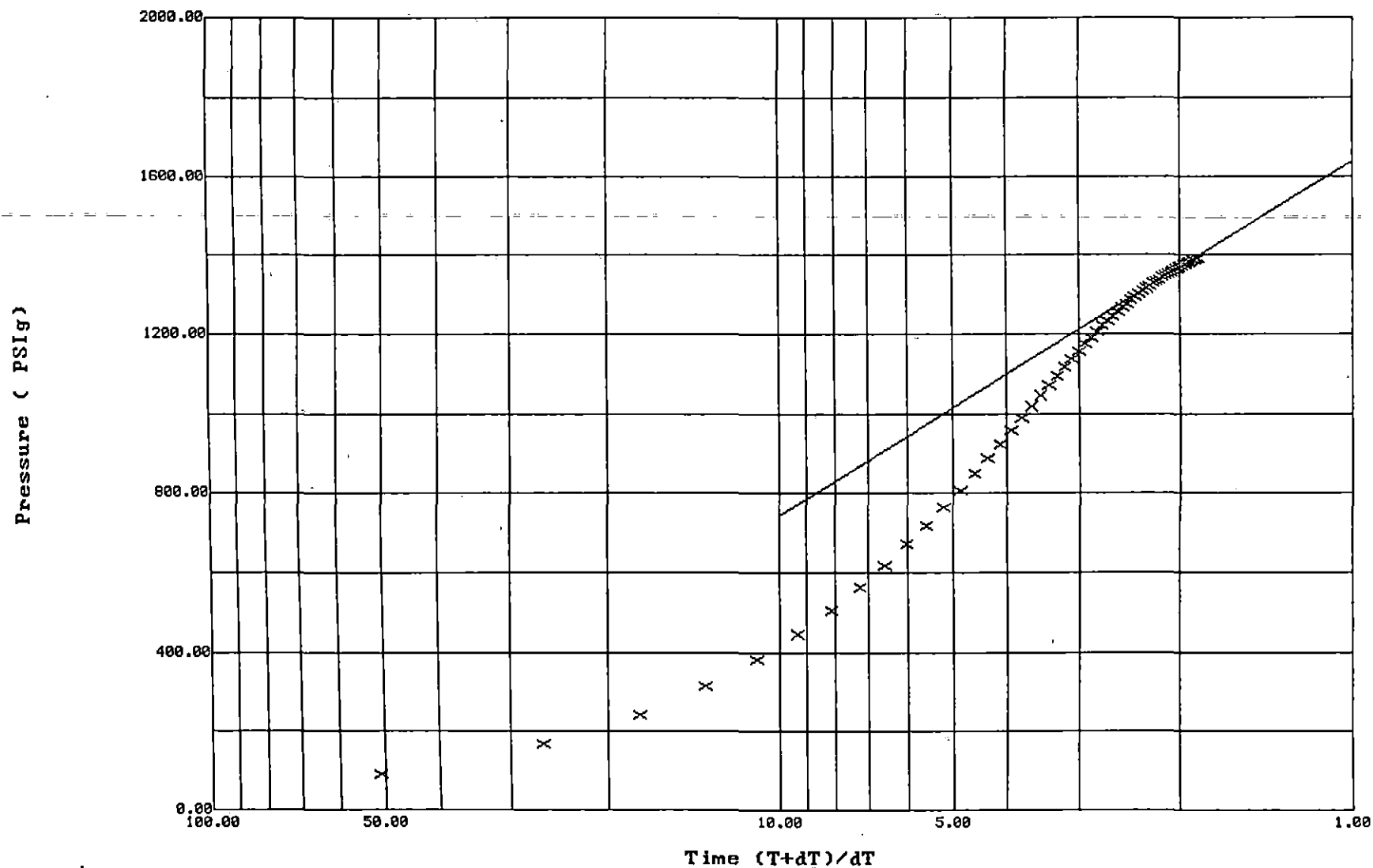


Horner Plot: shut-in #2

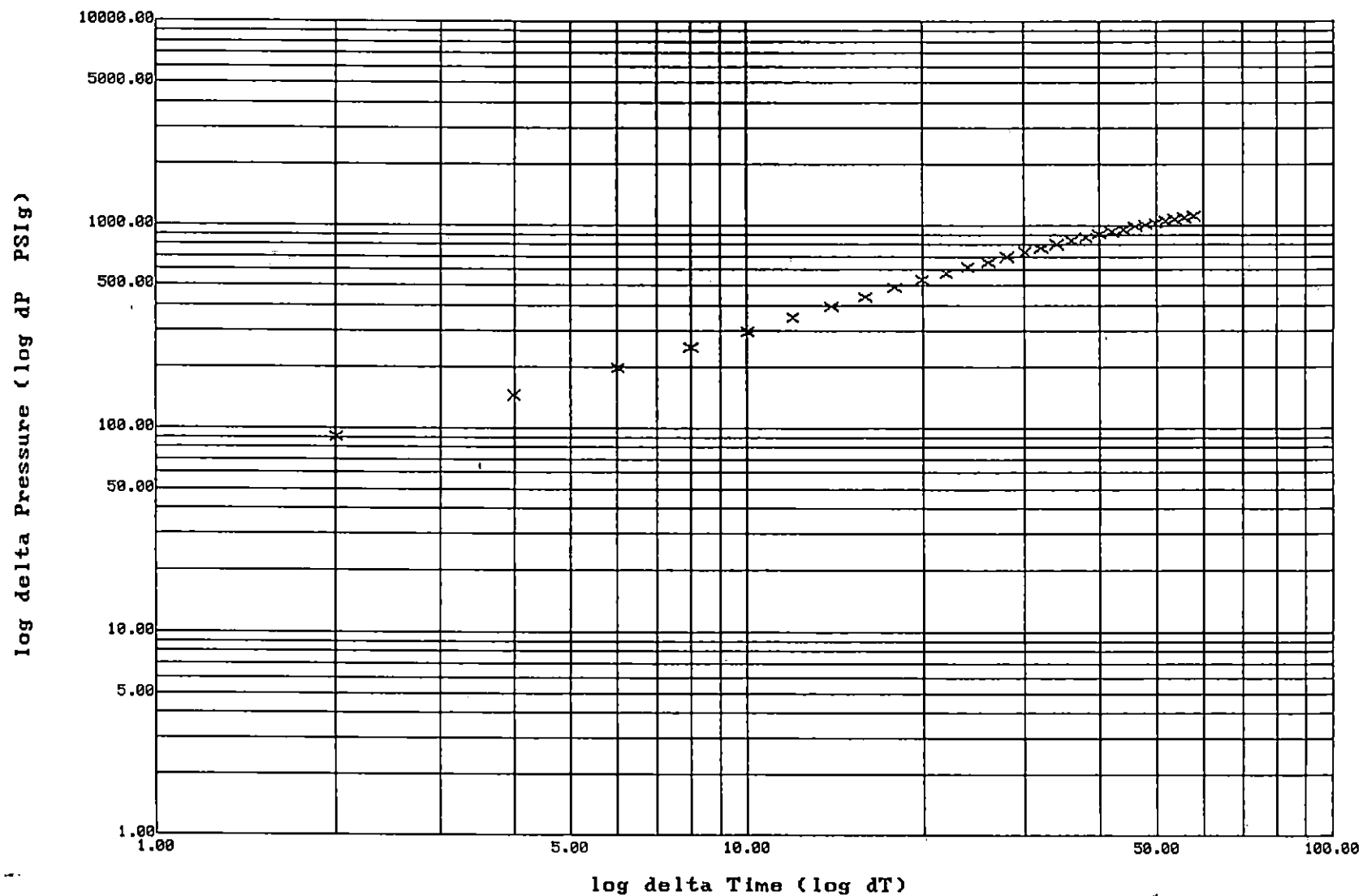
Crossbar Petroleum #1-24 Jenkins DST #5

Slope: 892.9780 PSig/cycle

Ext. Pressure: 1635.9445 PSig

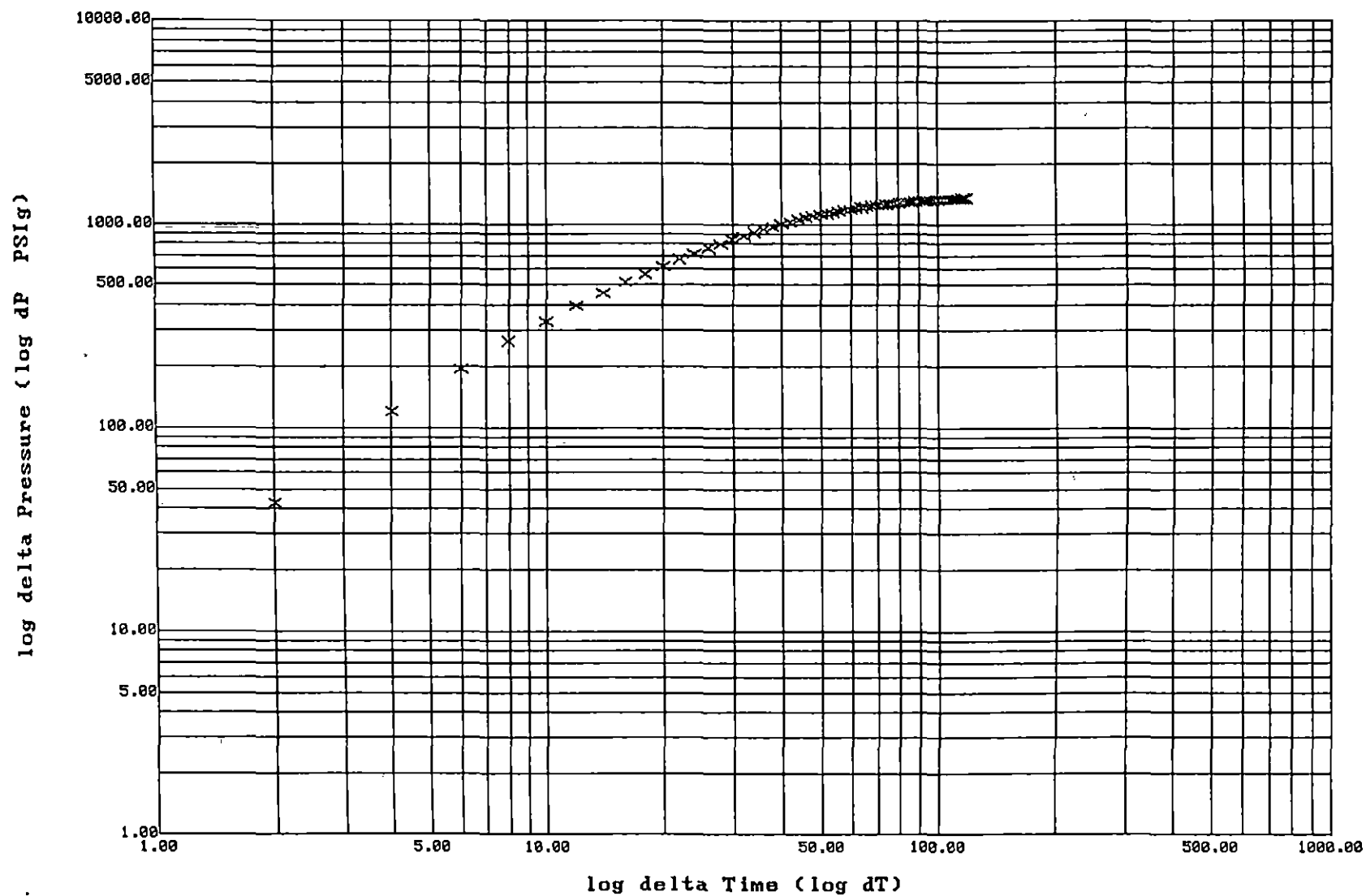


Ramey Plot: shut-in #1
Crossbar Petroleum #1-24 Jenkins DST #5



Ramey Plot: shut-in #2

Crossbar Petroleum #1-24 Jenkins DST #5



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:	950179	Analyzed:	04/05/95
Sample From:	Jenkins 1-24 DST 5	Pressure:	
Producer:	Cross Bar Petroleum	Temperature:	
Date:		Location:	24-29-18
Time:		County:	Kiowa
Sampler:		State:	Kansas
Source:		Formation:	Mississippi

	Mole %	GPM
Helium	He: 0.385	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.248	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 88.719	0.000
Ethane	C2: 3.818	1.021
Propane	C3: 1.858	0.512
Iso Butane	iC4: 0.340	0.111
Normal Butane	nC4: 0.839	0.265
Iso Pentane	iC5: 0.293	0.107
Normal Pentane	nC5: 0.371	0.134
Hexanes Plus	C6+: 1.129	0.493
TOTAL:	100.000	2.643
Z Fact:	0.9973	
SP.GR.:	0.6599	
BTU (SAT):	1119.2	@ 14.73 psia
BTU (DRY):	1139.0	@ 14.73 psia
OCTANE RATING:	122.8	

COMMENTS: Sample entered under vacuum

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CROSS BAR PETROLEUM Test No. 6 Date 4/1/95
Company JENKINS 1-24 Zone MISSISSIPPI
Address 151 N. MAIN #630, WICHITA, KS 67202-1407 Elevation 2152
Co. Rep./Geo. TOM BLAIR Cont. MURFIN #21 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 29S Rge. 18W Co. KIOWA State KS

Interval Tested 4870-4882 Drill Pipe Size 4.5" XH
Anchor Length 12 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4865 Drill Collar - 2.25 Ft. Run 116
Bottom Packer Depth 4870 Mud Wt. 9.3 lb/Gal.
Total Depth 4882 Viscosity 48 Filtrate _____

Tool Open @ 9:34PM Initial Blow 3 INCH BLOW DIED IN 3 MINUTES. FLUSHED TOOL - NO HELP
ROTATED TOOL FORWARD AND BACKWARD TRYING TO GET A BLOW
Final Blow WITH NO SUCCESS - PULLED TOOL.

Recovery - Total Feet 20 Flush Tool? YES

Rec. 40 Feet of GAS IN PIPE.
Rec. 20 Feet of MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 109 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2478.72 PSI AK1 Recorder No. 2346 Range 4995

(B) First Initial Flow Pressure 20.30 PSI @ (depth) 4871 w / Clock No. ALPINE

(C) First Final Flow Pressure 19.21 PSI AK1 Recorder No. 22150 Range 3925

(D) Initial Shut-in Pressure 36.58 PSI @ (depth) 4875 w / Clock No. 23839

(E) Second Initial Flow Pressure 29.53 PSI AK1 Recorder No. _____ Range _____

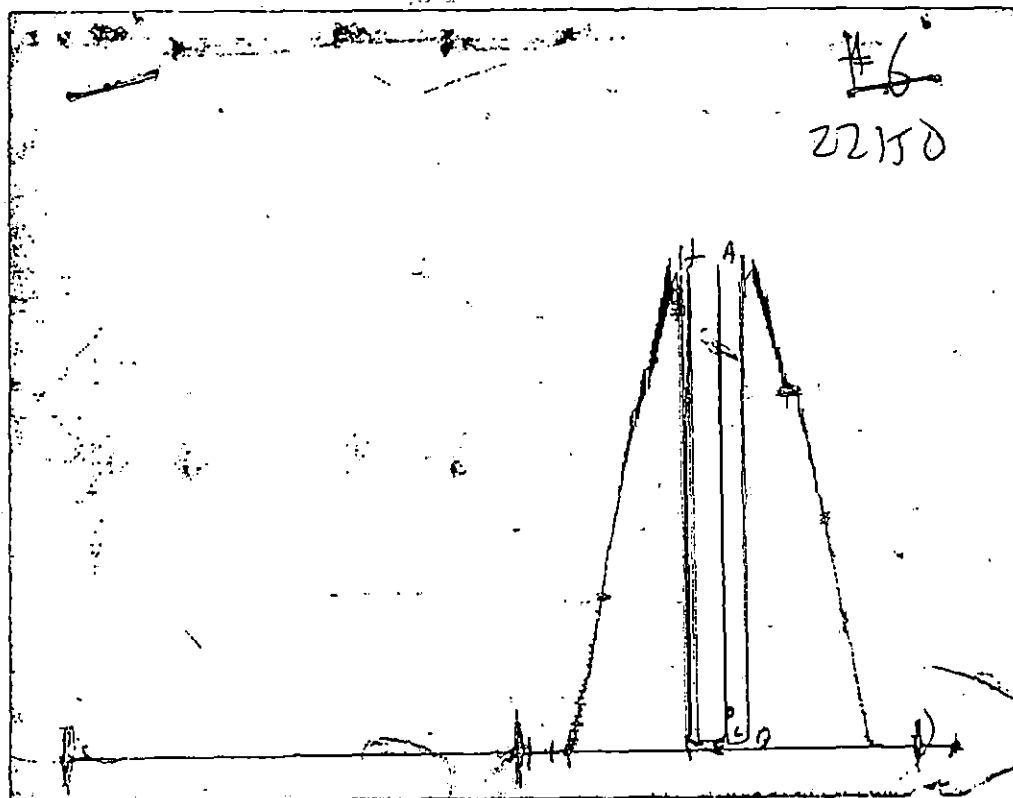
(F) Second Final Flow Pressure 40.61 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 14 Final Flow 8

H) Final Hydrostatic Mud 2397.39 PSI Initial Shut-in 16 Final Shut-in _____

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	AK1 READING	ALPINE READING
(A) INITIAL HYDROSTATIC MUD	2495	2478	2478.72
(B) FIRST INITIAL FLOW PRESSURE	34.5	20	20.30
(C) FIRST FINAL FLOW PRESSURE	30.7	19	19.21
(D) INITIAL CLOSED-IN PRESSURE	67	36	36.58
(E) SECOND INITIAL FLOW PRESSURE	44.1	29	29.53
(F) SECOND FINAL FLOW PRESSURE	42.1	40	40.61
(G) FINAL CLOSED-IN PRESSURE			
(H) FINAL HYDROSTATIC MUD	2396	2397	2397.39

TRILOBITE TESTING L.L.C.

OPERATOR : Crossbar Petroleum, Inc.

DATE 4-01-95

WELL NAME: Jenkins #1-24

KB 2161.00 ft

TICKET NO: 7903

DST #6

LOCATION : 24-29s-18w

GR 2152.00 ft

FORMATION: Mississippi

INTERVAL : 4870.00 To 4882.00 ft

TD 4882.00 ft

TEST TYPE: CONVENTIONAL

RECORDED DATA

Mins	Field	1	2	3	4	TIME DATA-----
45 Rec.	22150	22150	2356			PF Fr. 14 to hr
60 Range(Psi)	3925.0	3925.0	4996.0	0.0	0.0	IS Fr. 16 to hr
45 Clock(hrs)	12hr	12HR	alp			SF Fr. 8 to hr
90 Depth(ft)	4864.0	4875.0	4871.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
Init Hydro	2478.0	2494.0	2478.0	0.0	0.0	T STARTED 2004 hr
First Flow	20.0	34.0	20.0	0.0	0.0	T ON BOTM 2133 hr
Final Flow	19.0	31.0	19.0	0.0	0.0	T OPEN 2134 hr
In Shut-in	36.0	67.0	36.0	0.0	0.0	T PULLED 2220 hr
Init Flow	29.0	44.0	29.0	0.0	0.0	T OUT 2357 hr
Final Flow	40.0	42.0	40.0	0.0	0.0	
F1 Shut-in	0.0	2396.0	0.0	0.0	0.0	TOOL DATA-----
Final Hydro	2397.0	0.0	2397.0	0.0	0.0	Tool Wt. 1200.00 lbs
Inside/Outside	I	i				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 64000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 62000.00 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 116.00 ft
						D.P. Length 4645.00 ft

RECOVERY

at Fluid 70.00 ft of 70.00 ft in DC and 0.00 ft in DP

0.00 ft of gassy mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

ALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

LOW DESCRIPTION

F-

" blow died in 3 minutes flushed tool-

o help rotated tool foward and

ackward trying to get a blow. no

uccess pulled tool

MUD DATA-----

Mud Type chemical

Weight 9.30 lb/cf

Vis. 48.00 S/L

W.L. 8.40 in3

F.C. 0.00 in

Mud Drop

Amt. of fill 0.00 ft

Btm. H. Temp. 109.00 F

Hole Condition good

% Porosity 0.00

Packer Size 6.75 in

No. of Packers 2

Cushion Amt. 0.00

Cushion Type

Reversed Out

Tool Chased

Tester Paul Simpson

Co. Rep. Tom Blair

Contr. Murfin

Rig # 21

Unit #

Pump T.

AMPLES:

ENT TO:

Test Successful: Y

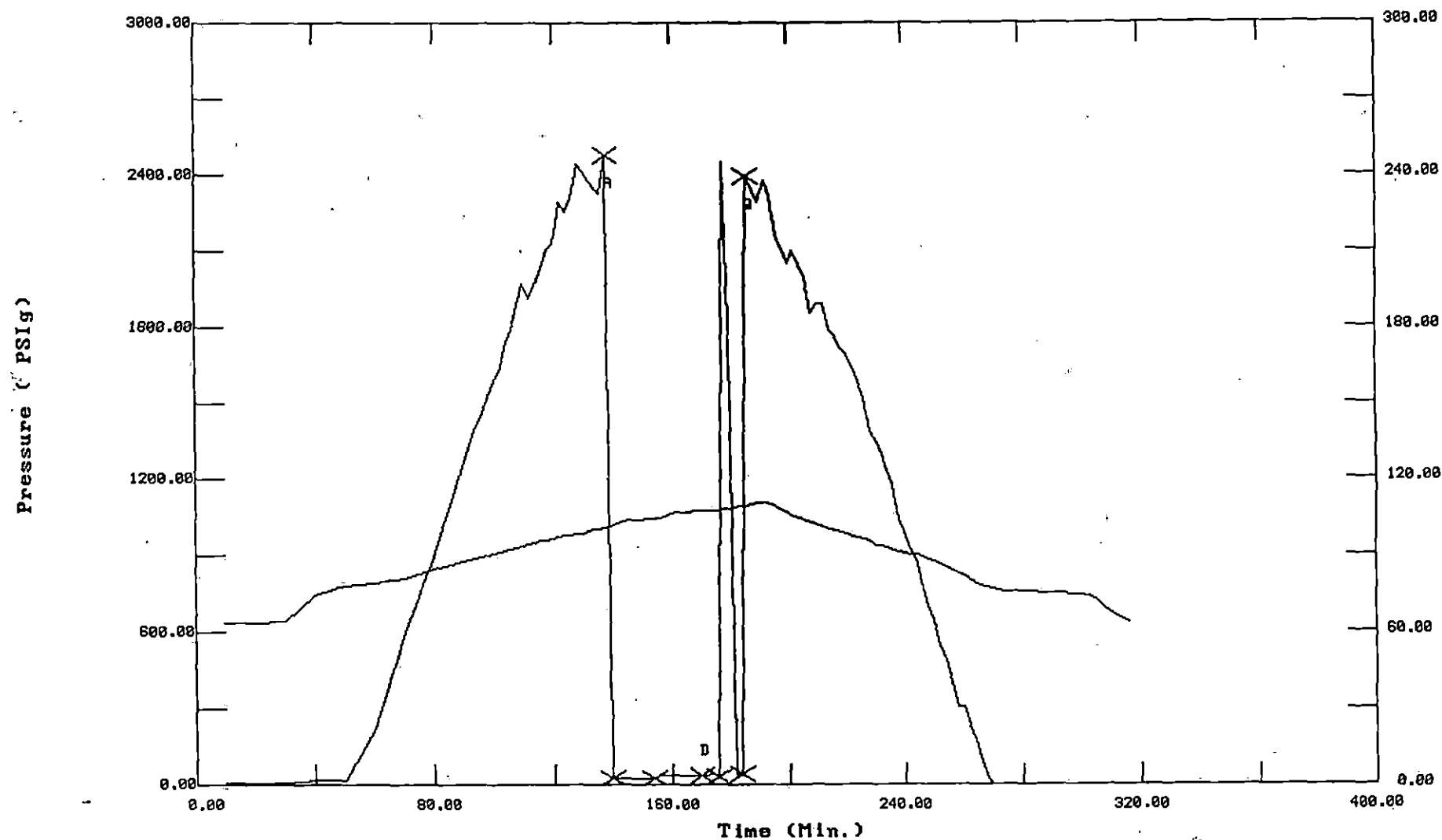
TEST HISTORY

Crossbar Petroleum #1-24 Jenkins DST #6

Flag Points

t(Min.) P(PSIg)

A	0.00	2478.72
B	0.00	20.30
C	14.00	19.21
D	16.00	36.58
E	0.00	29.53
F	0.00	40.61
Q	0.00	2397.39



 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 EST: Crossbar Petroleum #1-24 Jenkins DST #6
 DATE: 04/01/95 TIME: 19:14:50

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
**** Initial Hydro.	138.00	2478.7	0.0	100.79		
**** Start Flow 1	0.00	20.3	0.0	101.56		
	2.00	19.4	-0.9	102.40		
	4.00	18.9	-1.4	103.06		
	6.00	21.6	1.3	103.46		
	8.00	20.0	-0.3	103.75		
	10.00	22.2	1.9	103.95		
	12.00	21.5	1.2	104.10		
**** End Flow 1	14.00	19.2	-1.1	104.21		
**** Start Shutin 1	0.00	19.2	0.0	104.21	0.0000	0.000
	2.00	31.9	12.7	104.48	8.0000	0.001
	4.00	31.6	12.4	105.16	4.5000	0.001
	6.00	32.0	12.8	105.90	3.3333	0.001
	8.00	32.6	13.4	106.42	2.7500	0.001
	10.00	32.8	13.6	106.72	2.4000	0.001
	12.00	35.8	16.6	106.92	2.1667	0.001
	14.00	33.4	14.2	107.05	2.0000	0.001
**** End Shut-in 1	16.00	36.6	17.4	107.13	1.8750	0.001
**** Start Flow 2	0.00	29.5	0.0	107.28		
	2.00	2450.9	2421.3	107.67		
	4.00	1806.7	1777.2	108.19		
	6.00	37.4	7.9	108.80		
**** End Flow 2	8.00	40.6	11.1	109.08		
**** Start Shutin 2	0.00	40.6	0.0	109.08	0.0000	0.002
**** End Shut-in 2	2.00	2397.4	2356.8	109.31	12.0000	5.747
**** Final Hydro.	186.00	2397.4	0.0	109.31		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Jenkins #1-24

LOCATION : 24-29s-18w

TICKET No. 7903 D.S.T. No. 6 DATE 4-01-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 39

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 39

D.C. ABOVE TOOLS.Stands2 Single Total 116

D.P. ABOVE TOOLS.Stands75 Single 1 Total 4738

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4893

TOTAL DEPTH 4882

TOTAL DRILL PIPE ABOVE K.B. 11

REMARKS:

P.O. SUB

C.O. SUB double pin sub 4842

S.I. TOOL 4847

HMV hydraulic tool 4852

JARS 4857

SAFETY JOINT 4861

PACKER top packer 4765

PACKER bottom packer 4870

DEPTH 4870

STUBB 4871

ANCHOR

alpine recorder 4871

5' anchor 4876

3' anchor 4879

T.C.
DEPTH

akl recorder 4875

BULLNOSE
T.D. bullplug 4882