

DRILL-STEM TEST DATA

Well Name: ADAMS #1-33
Company : QUINQUE OPERATING COMPANY
Location - Sec: 33 **Twp:** 34S **Rge:** 30W
County: MEADE **State:** KS
Date: 09/09/95

TRILOBITE TESTING L.L.C.

OPERATOR : Quinque Operation Comp.

DATE 9-4-95

WELL NAME: Adams #1-33

KB 0.00 ft

TICKET NO: 8234 DST #1

LOCATION : 33-34S-30W, Meady Cty, KS

GR 0.00 ft

FORMATION: Lansing A

INTERVAL : 4398.00 To 4420.00 ft

TD 4420.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----	
PF 30	Rec.	13255	13255	Alpine		PF Fr. 2226 to 2256 hr	
SI 45	Range(Psi)	6300.0	6300.0	4995.0	0.0	0.0	IS Fr. 2256 to 2301 hr
SF 30	Clock(hrs)	25113	25113				SF Fr. 2301 to 2331 hr
FS 45	Depth(ft)	4417.0	4417.0	4402.0	0.0	0.0	FS Fr. 2331 to 0056 hr

	Field	1	2	3	4	
A. Init Hydro	1953.0	1984.0	2053.0	0.0	0.0	T STARTED 2015 hr
B. First Flow	569.0	583.0	550.0	0.0	0.0	T ON BOTM 2220 hr
Bl. Final Flow	676.0	674.0	641.0	0.0	0.0	T OPEN 2226 hr
C. In Shut-in	1390.0	1422.0	1501.0	0.0	0.0	T PULLED 0056 hr
D. Init Flow	692.0	719.0	658.0	0.0	0.0	T OUT 0325 hr
E. Final Flow	984.0	1010.0	1112.0	0.0	0.0	
F. Fl Shut-in	1265.0	1280.0	1273.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1859.0	1863.0	1855.0	0.0	0.0	Tool Wt. 18000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 150000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 2.88 in
						Hole Size 7.88 in
						D Col. ID 2.38 in
						D. Pipe ID 2.25 in
						D.C. Length 620.00 ft
						D.P. Length 3752.00 ft

RECOVERY

Tot Fluid 4420.00 ft of 620.00 ft in DC and 3746.00 ft in DP
4420.00 ft of Clean Gassy Oil - 70% Gas, 30% Oil

Est Ft of Pay 11'

SALINITY 0.00 P.P.M. A.P.I. Gravity 43.00

BLOW DESCRIPTION

Initial Blow -

Strong blow, bottom of bucket in 30 sec; gas to surface 4 min, MCF @ 134; flowed clean gassy oil in 25 min.

Final Blow -

Strong blow, bottom of bucket as soon as open tool; MCF @ 3.37, gas will burn

SAMPLES: Yes

SENT TO: Caraway, Liberal KS

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop Y	45.0 ft

Amt. of fill	20.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.25 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Tim Hedrick
Contr.	Beredco Inc.
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

Quinque Oper. Comp. Adams #1-33 DST.#1#8234

Flag Points

t (Min.) P (PSig)

A:	0.00	2053.37
B:	0.00	550.47
C:	26.00	641.37
D:	44.00	1500.96
E:	0.00	657.99
F:	16.00	1112.45
G:	48.00	1272.51
Q:	0.00	1855.38

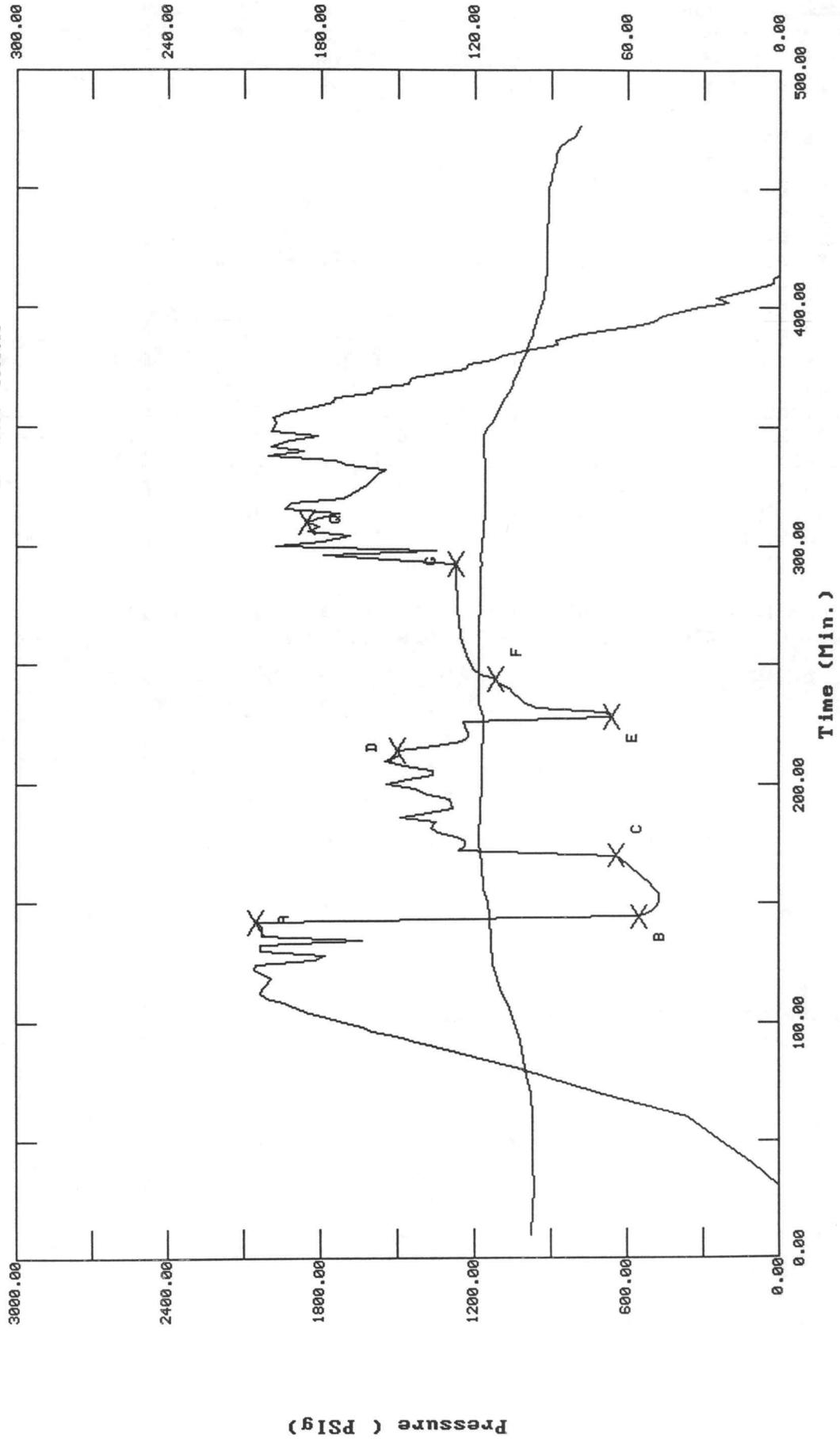
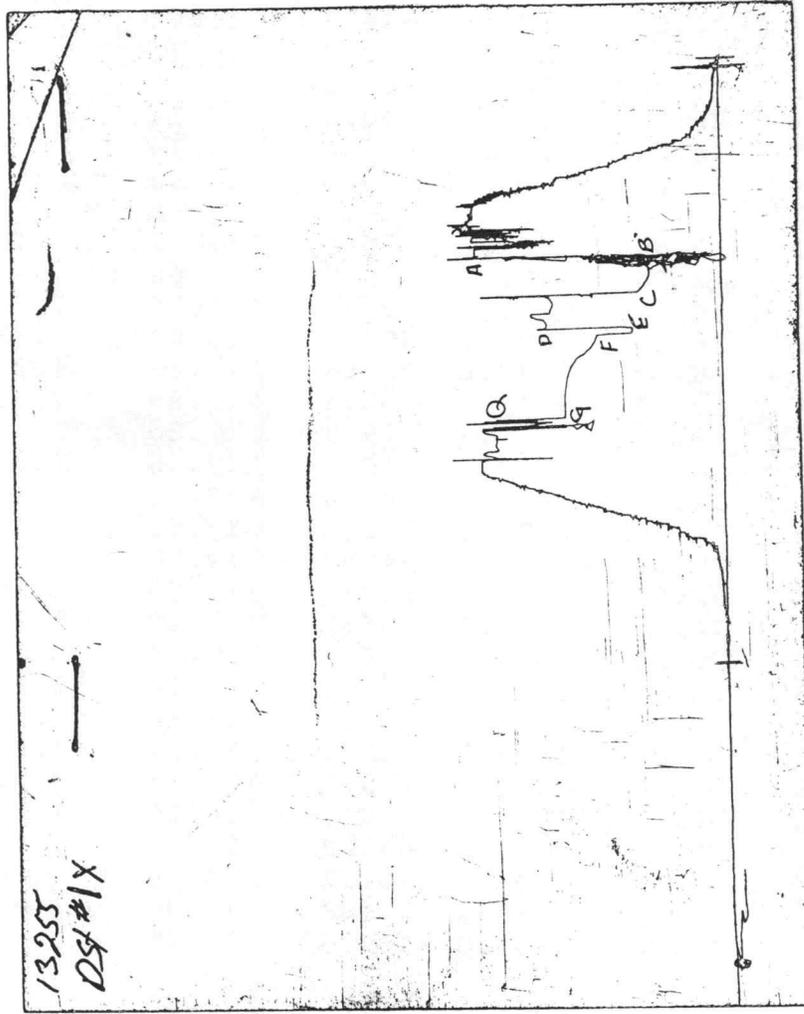


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp.Adams #1-33 DST.#1#8234

DATE: 09/04/95

TIME: 18:58:32

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
**** Initial Hydro.	142.00	2053.4	0.0	113.72		
**** Start Flow 1	0.00	550.5	0.0	113.90		
	2.00	499.9	-50.6	114.08		
	4.00	485.8	-64.6	114.44		
	6.00	473.2	-77.3	114.80		
	8.00	471.3	-79.1	115.16		
	10.00	471.4	-79.1	115.70		
	12.00	490.2	-60.3	116.06		
	14.00	508.2	-42.3	116.24		
	16.00	535.0	-15.4	116.42		
	18.00	550.8	0.3	116.78		
	20.00	572.3	21.8	116.96		
	22.00	590.8	40.3	117.14		
	24.00	617.3	66.8	117.14		
**** End Flow 1	26.00	641.4	90.9	117.32		
**** Start Shutin 1	0.00	641.4	0.0	117.32	0.0000	0.411
	2.00	1257.3	615.9	117.68	14.0000	1.581
	4.00	1235.5	594.1	117.86	7.5000	1.526
	6.00	1236.7	595.3	118.04	5.3333	1.529
	8.00	1273.8	632.5	117.86	4.2500	1.623
	10.00	1343.5	702.1	117.86	3.6000	1.805
	12.00	1370.4	729.0	117.86	3.1667	1.878
	14.00	1347.7	706.3	117.68	2.8571	1.816
	16.00	1484.9	843.6	117.68	2.6250	2.205
	18.00	1376.8	735.5	117.50	2.4444	1.896
	20.00	1285.1	643.7	117.50	2.3000	1.651
	22.00	1290.5	649.1	117.50	2.1818	1.665
	24.00	1296.5	655.1	117.32	2.0833	1.681
	26.00	1379.7	738.3	117.14	2.0000	1.904
	28.00	1433.1	791.8	117.14	1.9286	2.054
	30.00	1544.6	903.2	117.14	1.8667	2.386
	32.00	1454.9	813.5	117.14	1.8125	2.117
	34.00	1359.5	718.2	117.14	1.7647	1.848
	36.00	1360.7	719.3	116.96	1.7222	1.852
	38.00	1478.3	836.9	116.96	1.6842	2.185
	40.00	1548.5	907.2	116.78	1.6500	2.398
	42.00	1488.2	846.8	116.78	1.6190	2.215
**** End Shut-in 1	44.00	1501.0	859.6	116.78	1.5909	2.253
**** Start Flow 2	0.00	658.0	0.0	116.42		
	2.00	681.8	23.8	116.78		
	4.00	952.2	294.3	117.32		
	6.00	999.9	341.9	117.86		
	8.00	1019.4	361.4	118.04		
	10.00	1051.1	393.1	118.22		
	12.00	1062.8	404.8	118.22		
	14.00	1103.6	445.6	118.22		
**** End Flow 2	16.00	1112.5	454.5	118.22		
**** Start Shutin 2	0.00	1112.5	0.0	118.22	0.0000	1.238
	2.00	1176.1	63.6	118.40	22.0000	1.383
	4.00	1199.9	87.5	118.40	11.5000	1.440
	6.00	1214.1	101.6	118.40	8.0000	1.474

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp.Adams #1-33 DST.#1#8234

DATE: 09/04/95

TIME: 18:58:32

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	8.00	1224.0	111.5	118.40	6.2500	1.498
	10.00	1232.1	119.6	118.40	5.2000	1.518
	12.00	1238.0	125.6	118.22	4.5000	1.533
	14.00	1243.2	130.8	118.22	4.0000	1.546
	16.00	1247.3	134.9	118.22	3.6250	1.556
	18.00	1251.1	138.6	118.04	3.3333	1.565
	20.00	1254.9	142.4	118.04	3.1000	1.575
	22.00	1256.7	144.3	118.04	2.9091	1.579
	24.00	1259.1	146.6	117.86	2.7500	1.585
	26.00	1260.9	148.5	117.86	2.6154	1.590
	28.00	1262.9	150.4	117.68	2.5000	1.595
	30.00	1264.2	151.7	117.68	2.4000	1.598
	32.00	1265.3	152.8	117.50	2.3125	1.601
	34.00	1266.5	154.1	117.50	2.2353	1.604
	36.00	1267.7	155.3	117.50	2.1667	1.607
	38.00	1269.1	156.6	117.32	2.1053	1.611
	40.00	1269.6	157.1	117.32	2.0500	1.612
	42.00	1270.6	158.1	117.32	2.0000	1.614
	44.00	1271.3	158.9	117.32	1.9545	1.616
	46.00	1271.7	159.2	117.32	1.9130	1.617
***** End Shut-in 2	48.00	1272.5	160.1	117.14	1.8750	1.619
***** Final Hydro.	310.00	1855.4	0.0	116.06		

CALCULATED RECOVERY ANALYSIS

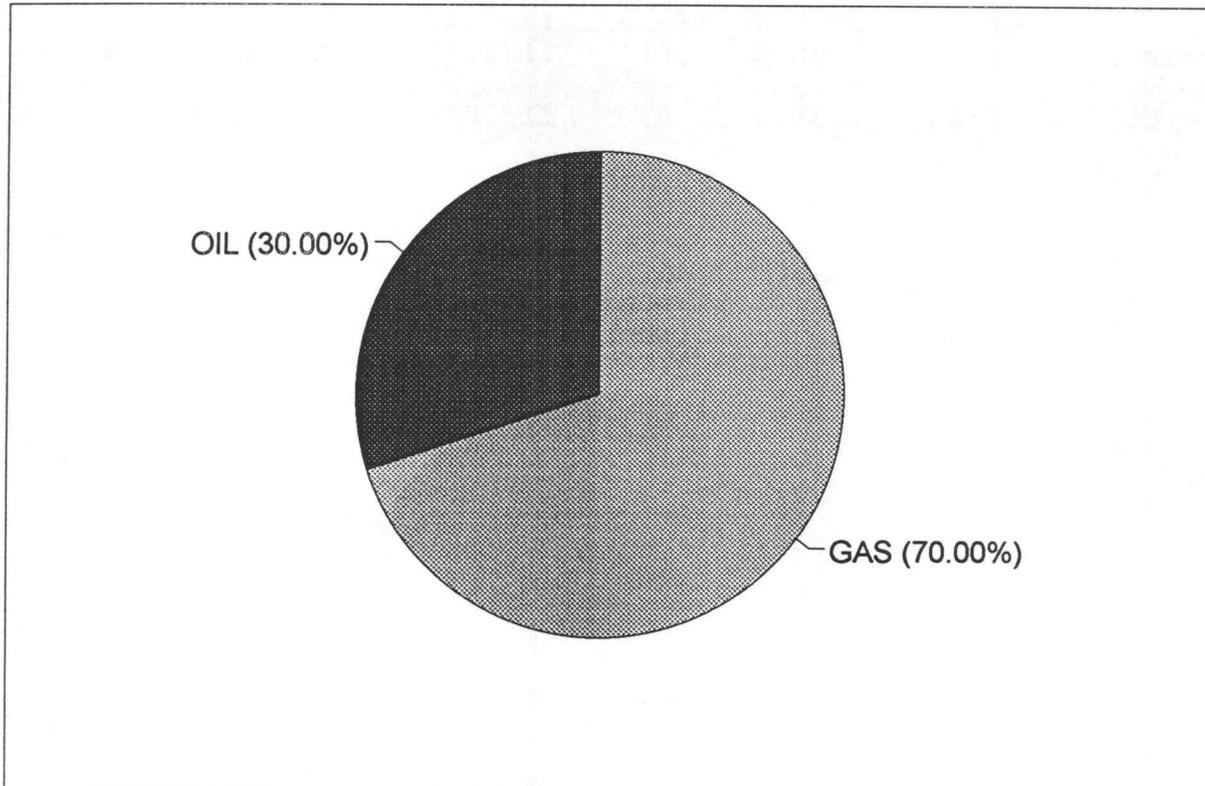
DST # 1

TICKET # 8234

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL PIPE 1	3800	70	2660	30	1140		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT PIPE 1			0		0		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRL COLLAR 1	620	70	434	30	186		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	4420	70	3094	30	1326	0	0	0	0

HRS OPE BBL/DAY

BBL OIL=	17.12034	*	1.00	410.8882
BBL WATER=	0	*		0
BBL MUD=	0			
BBL GAS =	39.94746			



GAS RECOVERY

COMPANY: Quinque Operation Comp.

DATE: 9-4-95

WELL NAME: Adams #1-33

KB Elev: 0.00

ft TICKET #8234

DST #1

WELL LOCATION: 33-34S-30W, Meady Cty, KS

GR Elev: 0.00

ft FORMATION: Lansing A

INTERVAL Fr.: 4398.00 To 4420.00 T.D.: 4420.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Gas Measurements

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.00	5	0	319000.0
10	0.50	13	0	134000.0
15	0.50	10	0	116000.0
20	0.50	12	0	129000.0
25	0.50	8	0	101000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	0	4	3370.0
10	0.25	0	4	3370.0
15	0.25	0	22	7880.0
20	0.25	0	22	7880.0
25	0.25	0	20	7510.0
30	0.25	0	18	7120.0

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

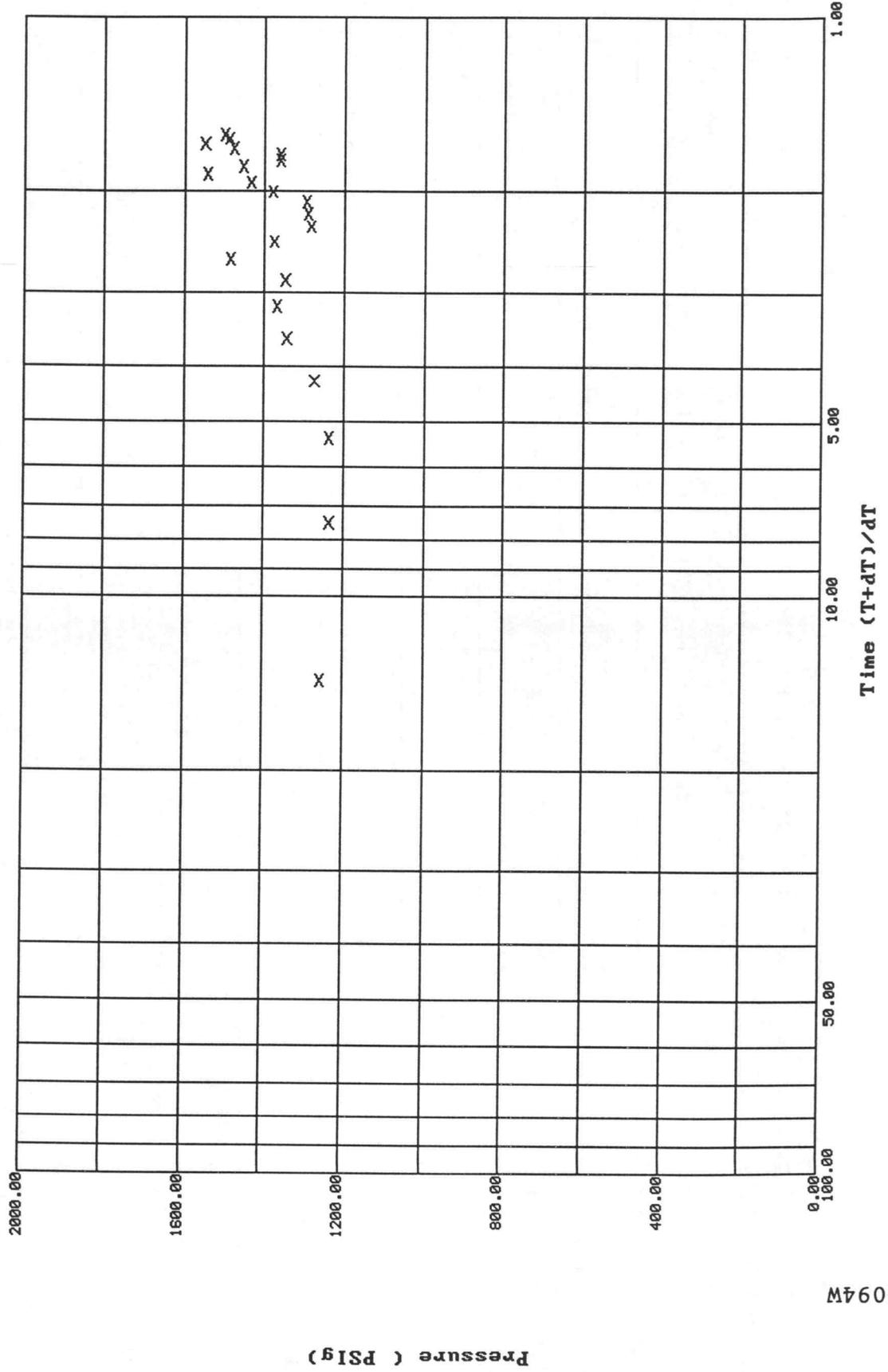
Lab Number:	950463	Analyzed:	09/05/95
Sample From:	Adams 1-33 DST 1	Pressure:	
Producer:	Quinque Operating Co.	Temperature:	
Date:		Location:	33-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	Lansing A

	Mole %	GPM
Helium	He: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 6.681	0.000
Carbon Dioxide	CO2: 0.319	0.000
Methane	C1: 47.700	0.000
Ethane	C2: 11.397	3.048
Propane	C3: 14.516	4.000
Iso Butane	iC4: 2.855	0.934
Normal Butane	nC4: 7.562	2.384
Iso Pentane	iC5: 2.651	0.970
Normal Pentane	nC5: 3.364	1.218
Hexanes Plus	C6+: 2.955	1.289

TOTAL: 100.000 13.844
 Z Fact: 0.9913
 SP.GR.: 1.1369
 BTU (SAT): 1769.1 @ 14.73 psia
 BTU (DRY): 1800.4 @ 14.73 psia
 OCTANE RATING: 102.3

COMMENTS: Sample entered under vacuum

Horner Plot: shut-in #1
 Quinque Oper. Comp. Adams #1-33 DST.#1#8234

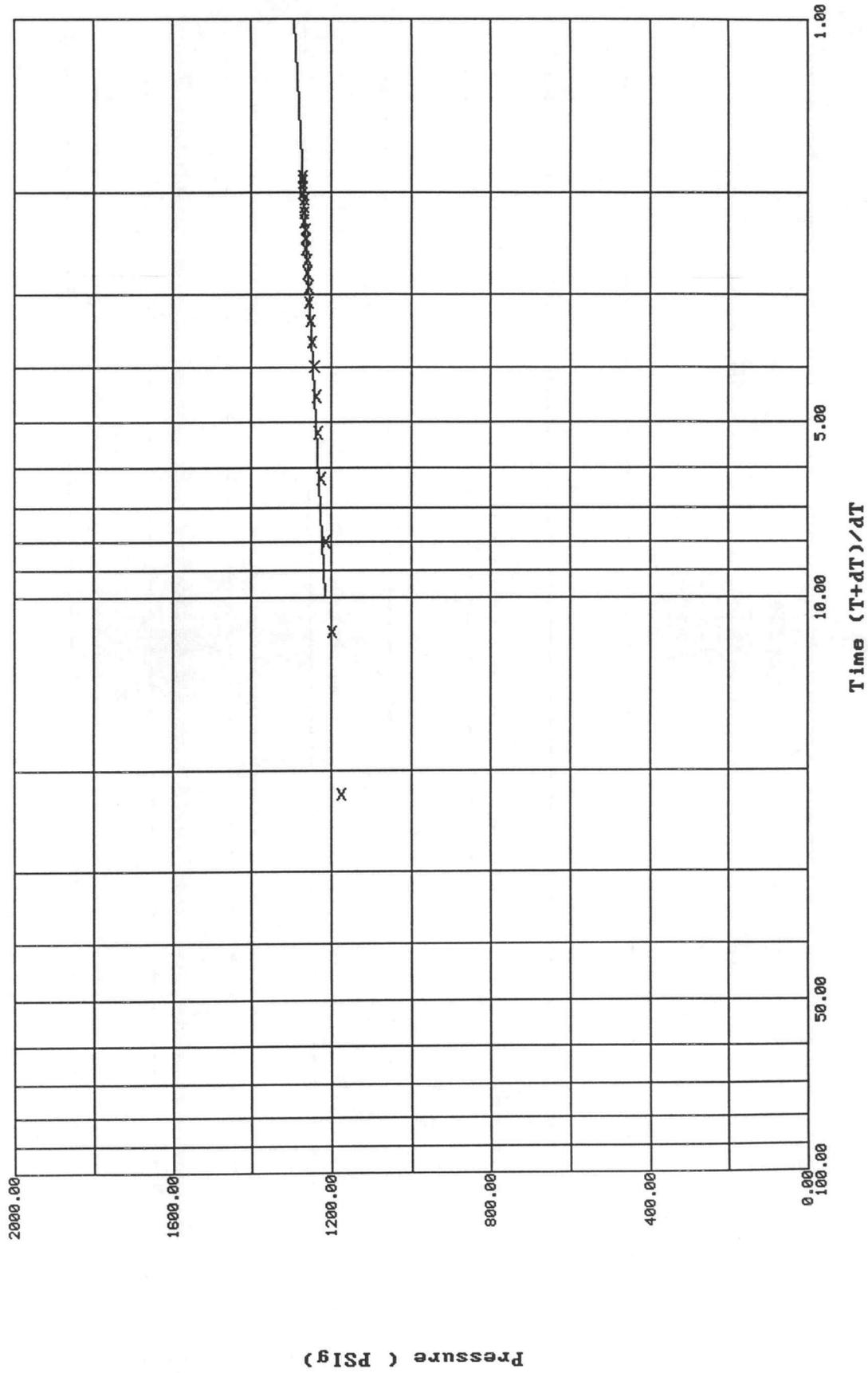


Horner Plot: shut-in #2

Quinque Oper. Comp. Adams #1-33 DST.#1#8234

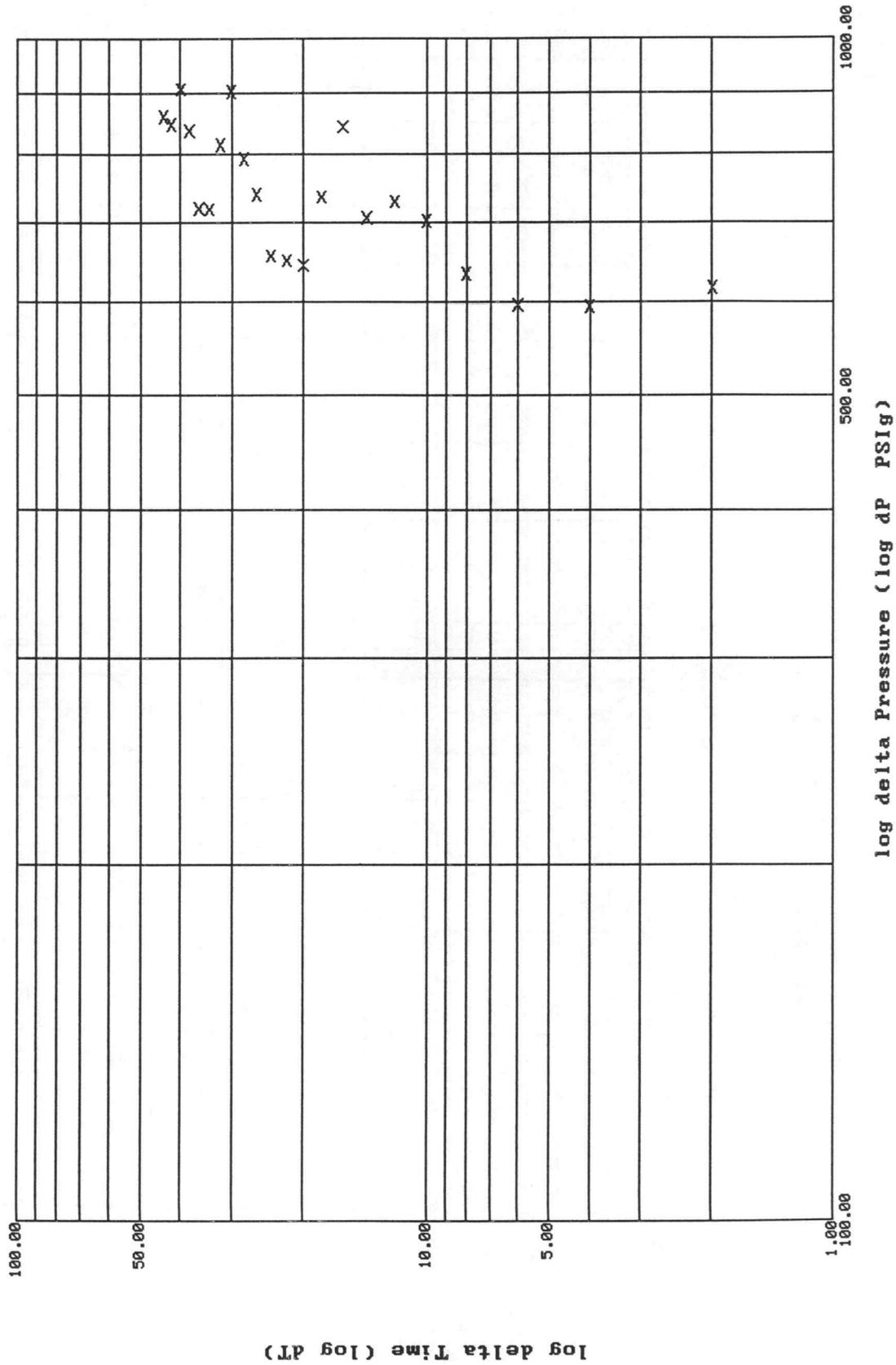
Slope: 78.4784 PSig/cycle

Ext. Pressure: 1294.0475 PSig



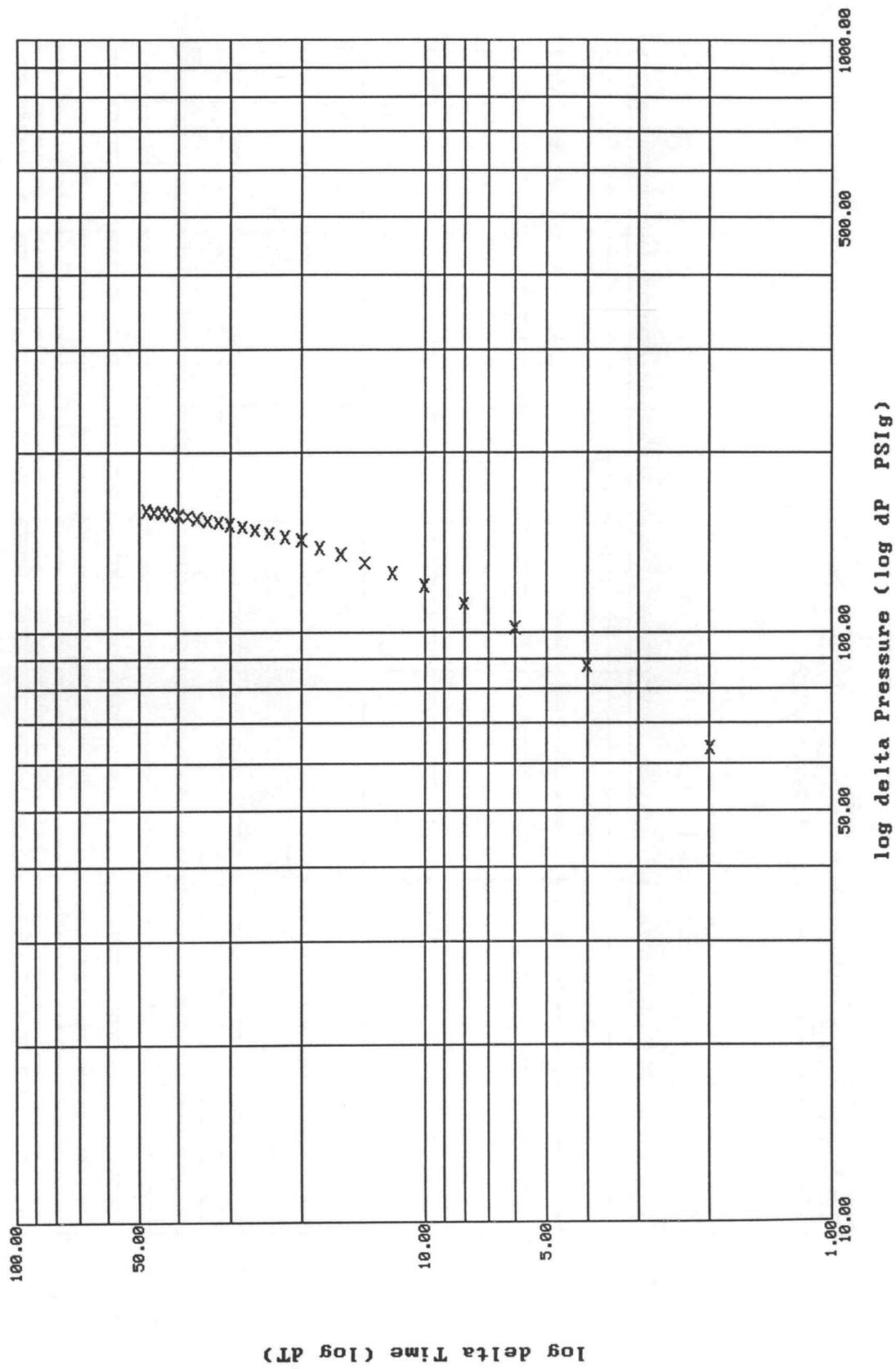
McKinley Plot: shut-in #1

Quinque Oper. Comp. Adams #1-33 DST.#1#8234



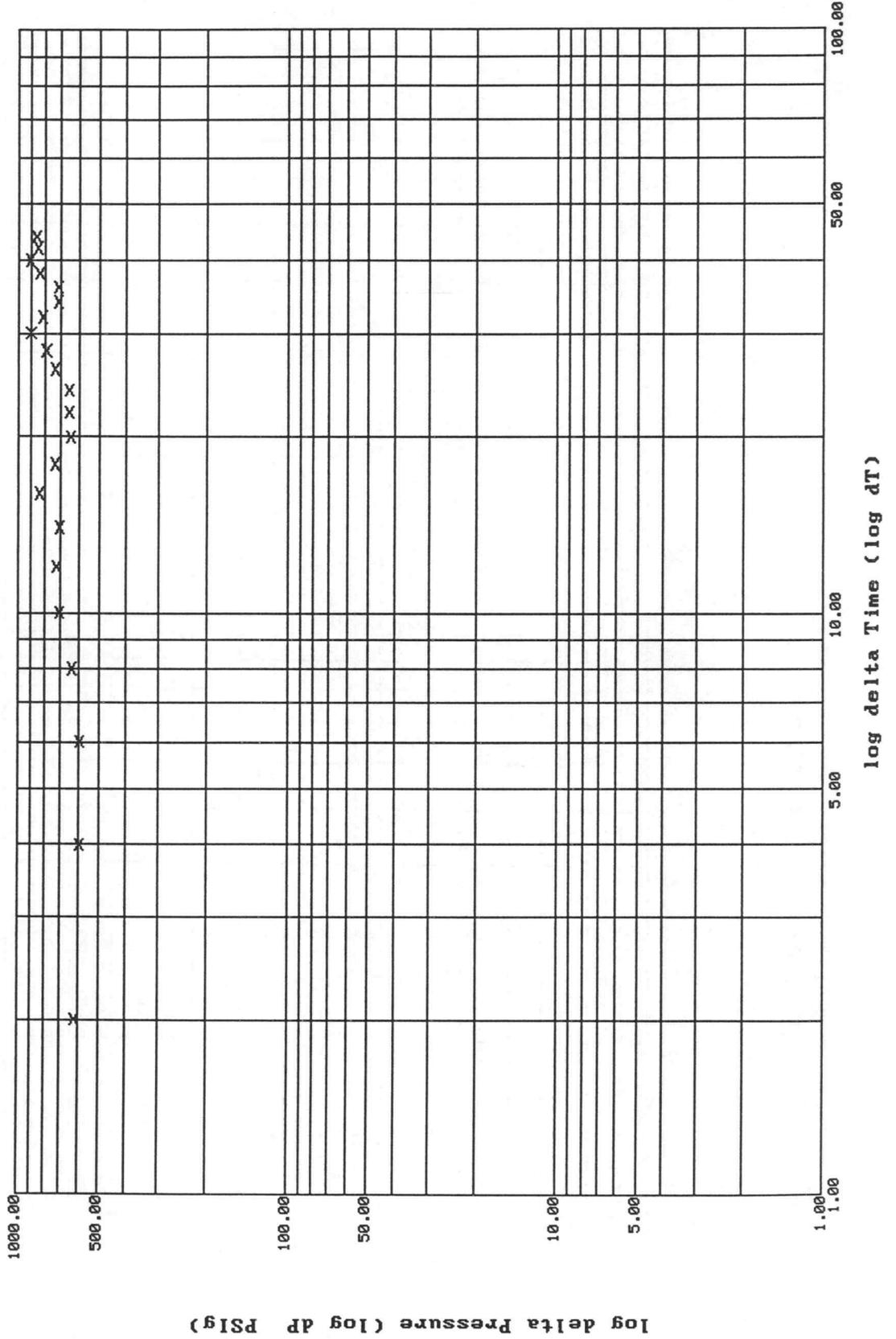
McKinley Plot: shut-in #2

Quinque Oper. Comp. Adams #1-33 DST.#1#8234



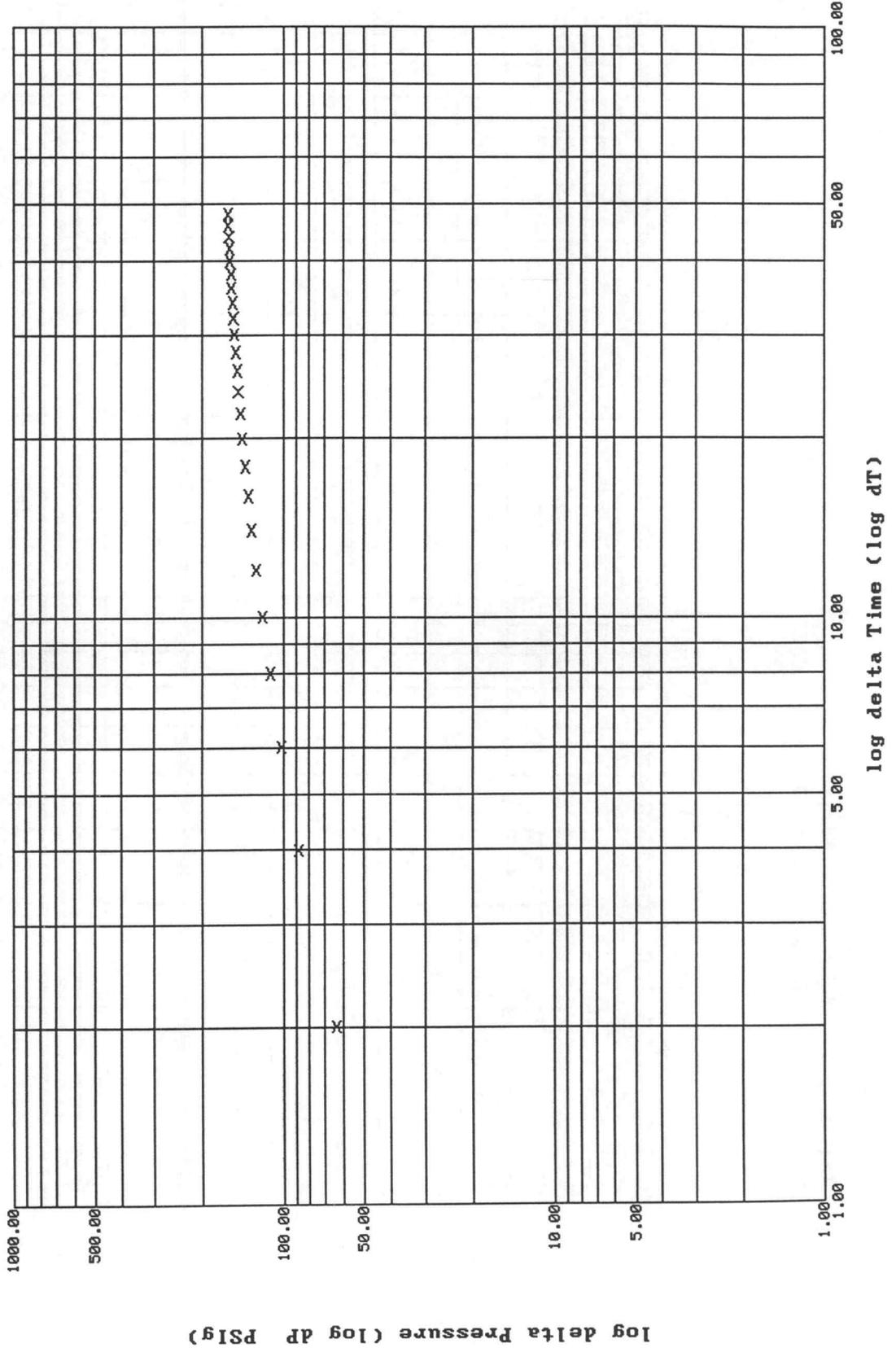
Ramey Plot: shut-in #1

Quinque Oper. Comp. Adams #1-33 DST. #1#8234



Ramey Plot: shut-in #2

Quinque Oper. Comp. Adams #1-33 DST.#1#8234



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Adams #1-33

LOCATION : 33-34S-30W, Meady Cty, KS

TICKET No. 8234 D.S.T. No. 1 DATE 9-4-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26ft.

TOTAL TOOL 54ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands7 Single Total 620ft.

D.P. ABOVE TOOLS.Stands40 Single 1 Total 3806ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4426ft.

TOTAL DEPTH 4420ft.

TOTAL DRILL PIPE ABOVE K.B. 10ft.

REMARKS:

P.O. SUB	
C.O. SUB	
Double pin 1ft.	4366
S.I. TOOL 5ft.	4367
Sample 3ft.	4372
HMV 5ft.	4375
JARS 7ft.	4380
SAFETY JOINT 2ft.	4387
PACKER 5ft.	4389
PACKER 5ft.	4394
DEPTH 4394	
STUBB	
ANCHOR 2ft. perf	4399
pick up sub 6ft.	4401
Alpine Rec.	4402
5ft. perf	4407
perf 5ft.	4412
T.C.	
DEPTH	
AK-1 Rec	4417
BULLNOSE	
T.D. Bull plug 3ft.	4417

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8234

Well Name & No. <u>Adams #1-33</u>	Test No. <u>1</u>	Date <u>9-4-95</u>
Company <u>Quinguc Operating Company</u>	Zone Tested <u>Lansing "A"</u>	
Address <u>L. 3rd St. Box 2738 67905</u>	Elevation	
Co. Rep./Geo. <u>Tim Headrick</u>	Cont. <u>Benedic Inc. Rig #4</u>	Est. Ft. of Pay <u>11'</u>
Location: Sec. <u>33</u> Twp. <u>34</u> Rge. <u>30</u> Co. <u>Meade</u> State <u>Kansas</u>		
No. of Copies <u>6</u> Distribution Sheet Yes <u>X</u> No Turnkey <u>X</u> Yes No Evaluation		

Interval Tested <u>4398-4420</u>	Drill Pipe Size <u>4 1/2 X-Hole</u>
Anchor Length <u>22'</u>	Top Choke — 1" — Bottom Choke — 3/4" —
Top Packer Depth <u>4393</u>	Hole Size — 7 7/8" — Rubber Size — 6 3/4" —
Bottom Packer Depth <u>4398</u>	Wt. Pipe I.D. — 2.7 Ft. Run —
Total Depth <u>4420</u>	Drill Collar — 2.25 Ft. Run <u>620'</u>
Mud Wt. <u>8.9</u> lb/gal.	Viscosity <u>50</u> Filtrate <u>9.6</u>
Tool Open @ <u>10:26</u> Initial Blow <u>Strong blow B.B. 30 sec C.T.S. 4 min. (MCF 134)</u>	
	<u>Flowed C.G.O in 25 min.</u>
Final Blow <u>Strong blow B.B. as soon as open Tool. (MCF @ 3.37)</u>	

Recovery — Total Feet <u>4420</u>	Feet of Gas in Pipe	Flush Tool? <u>NO</u>
Rec. <u>4420</u> Feet Of <u>Clean Gassy Oil</u>	<u>70</u> %gas <u>30</u> %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 114 °F Gravity 45 °API @ 85 °F Corrected Gravity 43 °API

RW	@	OF	Chlorides	ppm Recovery	Chlorides	ppm System
(A) Initial Hydrostatic Mud	<u>2033</u>	<u>ATP inc</u>	<u>1953</u>	<u>AK-1</u>	PSI AK1 Recorder No. <u>Alpine</u>	Range <u>6,300</u>
(B) First Initial Flow Pressure	<u>471</u>		<u>569</u>		PSI @ (depth) <u>4402</u>	w/Clock No. <u>Electronic</u>
(C) First Final Flow Pressure	<u>641</u>		<u>676</u>		PSI AK1 Recorder No. <u>13255</u>	Range <u>6,300</u>
(D) Initial Shut-In Pressure	<u>1273</u>		<u>1390</u>		PSI @ (depth) <u>4417</u>	w/Clock No. <u>25113</u>
(E) Second Initial Flow Pressure	<u>657</u>		<u>692</u>		PSI AK1 Recorder No.	Range
(F) Second Final Flow Pressure	<u>1176</u>		<u>984</u>		PSI @ (depth)	w/Clock No.
(G) Final Shut-In Pressure	<u>1273</u>		<u>1265</u>		PSI Initial Opening <u>30 min</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(H) Final Hydrostatic Mud	<u>1855</u>		<u>1859</u>		PSI Initial Shut-In <u>45 min</u>	Jars <input checked="" type="checkbox"/> <u>200</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 Tim Headrick
 Our Representative Mike Coarnton

Final Flow 30 min Safety Joint 50
 Final Shut-In 45 min Straddle _____
 Circ. Sub 35
 Sampler _____
 Extra Packer _____
 Other Electronic Recorder 150
 TOTAL PRICE \$ 1035

TRILOBITE TESTING L.L.C.

OPERATOR : Quinque Operation Comp.

DATE 9-6-95

WELL NAME: Adams #1-33

KB 0.00 ft

TICKET NO: 8235

DST #2

LOCATION : 33-34S-30W, Meady Cty, KS

GR 2495.00 ft

FORMATION: Kanas City

INTERVAL : 4706.00 To 4729.00 ft

TD 4734.00 ft

TEST TYPE: CONV. STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	Alpine	13255		PF Fr. 0448 to 0518 hr
SI 45 Range(Psi)	4075.0	4075.0	4995.0	6300.0	0.0	IS Fr. 0518 to 0603 hr
SF 60 Clock(hrs)	23935	23935		25113		SF Fr. 0603 to 0633 hr
FS 120 Depth(ft)	4714.0	4714.0	4709.0	4731.0	0.0	FS Fr. 0633 to 0733 hr

	Field	1	2	3	4	
A. Init Hydro	2275.0	2270.0	2226.0	0.0	0.0	T STARTED 0315 hr
B. First Flow	101.0	86.0	45.0	0.0	0.0	T ON BOTM 0445 hr
Bl. Final Flow	121.0	107.0	102.0	0.0	0.0	T OPEN 0448 hr
C. In Shut-in	1940.0	1193.0	1241.0	0.0	0.0	T PULLED 0733 hr
D. Init Flow	193.0	171.0	127.0	0.0	0.0	T OUT 1010 hr
E. Final Flow	203.0	188.0	174.0	0.0	0.0	
F. Fl Shut-in	1118.0	1133.0	1182.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1991.0	1998.0	2219.0	0.0	0.0	Tool Wt. 18000.00 lbs
Inside/Outside	M	M	I	O		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 2000000.00 lbs
						Initial Str Wt 82000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 7.50 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 620.00 ft
						D.P. Length 4094.00 ft

RECOVERY

Tot Fluid 540.00 ft of 540.00 ft in DC and 0.00 ft in DP
 10.00 ft of Mud - 100% mud
 90.00 ft of Slightly Oil & Gas Cut Mud - 30% gas, 10% oil
 270.00 ft of Slightly Oil & Gas Cut Water - 18% gas,
 170.00 ft of Slightly Oil & Gas Cut Water - 17% gas,
 3% oil, 80% H2O

Est Ft of Pay - 16'

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

BLOW DESCRIPTION

Initial Blow -
 Strong blow, bottom of bucket 20 sec;
 Gas to surface 4 min, MCF @ 94.5
 Initial Shutin -
 Bled off 2", took 8 min, surface blow
 back throughout
 Final Blow -
 Strong blow, bottom of bucket 40 sec;
 MCF @ 40.9
 Final Shutin -
 Bled off 2", took 20 min, bottom of
 bucket blow back in 12 min throughout

SAMPLES: Yes
 SENT TO: Caraway Lab.

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 49.00 S/L
 W.L. 9.50 in3
 F.C. 0.00 in
 Mud Drop Y 0.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 120.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 3
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Mike Colantonio
 Co. Rep. Tim Hedrick
 Contr. Beredco Inc.
 Rig # 4
 Unit #
 Pump T.

Test Successful: Y

TEST HISTORY

Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235

Flag Points

t (Min.)	P (PSig)
A: 0.00	2226.68
B: 0.00	45.06
C: 26.00	102.05
D: 44.00	1241.54
E: 0.00	127.98
F: 26.00	174.06
G: 64.00	1182.37
Q: 0.00	2219.04

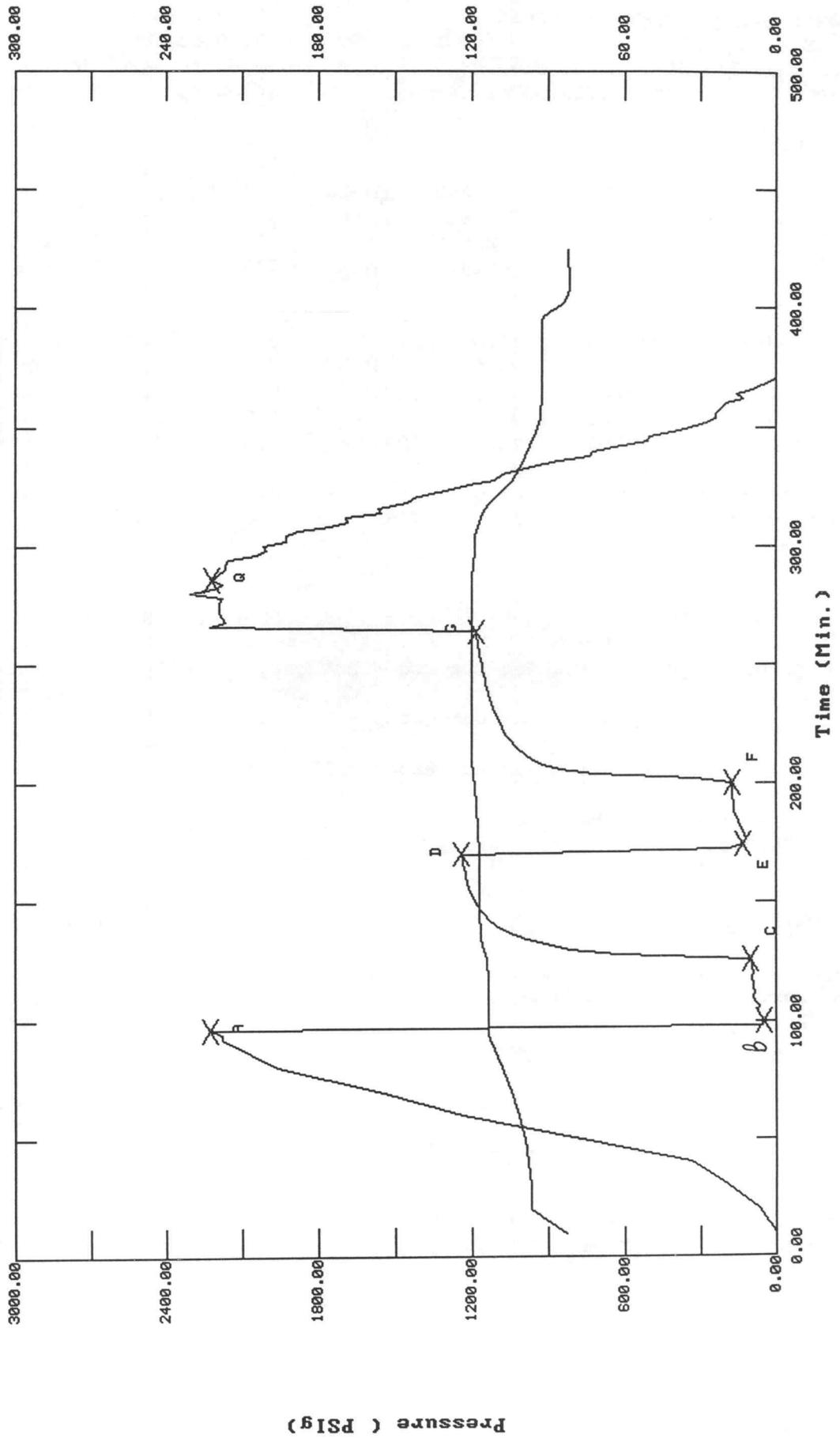
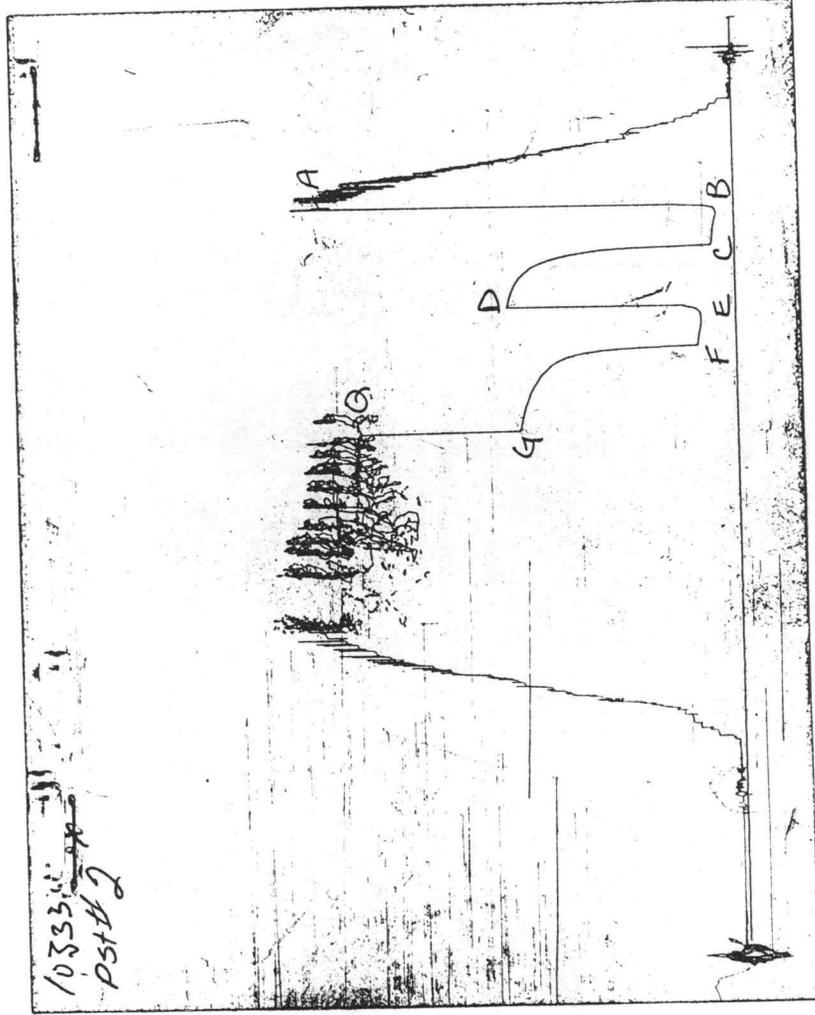


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235

DATE: 09/06/95 TIME: 02:06:23

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	96.00	2226.7	0.0	113.54		
***** Start Flow 1	0.00	45.1	0.0	113.54		
	2.00	56.0	10.9	113.54		
	4.00	68.7	23.7	113.36		
	6.00	66.5	21.4	113.18		
	8.00	78.9	33.8	113.18		
	10.00	88.0	43.0	113.18		
	12.00	81.5	36.4	113.36		
	14.00	86.6	41.5	113.36		
	16.00	87.9	42.8	113.36		
	18.00	92.6	47.5	113.54		
	20.00	90.6	45.6	113.54		
	22.00	93.6	48.5	113.72		
	24.00	95.3	50.3	113.72		
***** End Flow 1	26.00	102.0	57.0	113.90		
***** Start Shutin 1	0.00	102.0	0.0	113.90	0.0000	0.010
	2.00	620.5	518.4	114.26	14.0000	0.385
	4.00	813.3	711.2	114.98	7.5000	0.661
	6.00	913.0	811.0	115.52	5.3333	0.834
	8.00	982.5	880.4	116.06	4.2500	0.965
	10.00	1033.2	931.2	116.24	3.6000	1.068
	12.00	1071.6	969.5	116.60	3.1667	1.148
	14.00	1102.5	1000.4	116.60	2.8571	1.215
	16.00	1126.5	1024.4	116.78	2.6250	1.269
	18.00	1145.9	1043.9	116.78	2.4444	1.313
	20.00	1161.7	1059.7	116.78	2.3000	1.350
	22.00	1175.2	1073.2	116.78	2.1818	1.381
	24.00	1186.0	1083.9	116.96	2.0833	1.407
	26.00	1195.3	1093.2	116.96	2.0000	1.429
	28.00	1203.3	1101.2	116.96	1.9286	1.448
	30.00	1210.1	1108.1	116.96	1.8667	1.464
	32.00	1216.4	1114.3	116.96	1.8125	1.480
	34.00	1221.6	1119.6	116.96	1.7647	1.492
	36.00	1226.0	1124.0	116.96	1.7222	1.503
	38.00	1230.4	1128.3	116.96	1.6842	1.514
	40.00	1234.4	1132.4	116.96	1.6500	1.524
	42.00	1237.9	1135.9	116.96	1.6190	1.532
***** End Shut-in 1	44.00	1241.5	1139.5	116.96	1.5909	1.541
***** Start Flow 2	0.00	128.0	0.0	117.14		
	2.00	119.1	-8.9	117.32		
	4.00	123.4	-4.6	117.50		
	6.00	130.4	2.4	117.50		
	8.00	139.1	11.1	117.68		
	10.00	146.9	18.9	117.68		
	12.00	157.3	29.3	117.86		
	14.00	163.0	35.0	117.86		
	16.00	165.9	37.9	118.04		
	18.00	168.2	40.2	118.22		
	20.00	168.9	41.0	118.40		
	22.00	171.5	43.6	118.58		
	24.00	172.5	44.5	118.76		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235

DATE: 09/06/95 TIME: 02:06:23

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** End Flow 2	26.00	174.1	46.1	118.94		
***** Start Shutin 2	0.00	174.1	0.0	118.94	0.0000	0.030
	2.00	323.6	149.6	119.12	27.0000	0.105
	4.00	719.3	545.2	119.30	14.0000	0.517
	6.00	851.1	677.0	119.48	9.6667	0.724
	8.00	917.7	743.7	119.66	7.5000	0.842
	10.00	959.1	785.1	119.84	6.2000	0.920
	12.00	988.6	814.5	119.84	5.3333	0.977
	14.00	1011.2	837.2	120.02	4.7143	1.023
	16.00	1030.0	856.0	120.02	4.2500	1.061
	18.00	1045.4	871.3	120.02	3.8889	1.093
	20.00	1058.8	884.8	120.02	3.6000	1.121
	22.00	1070.7	896.7	120.02	3.3636	1.146
	24.00	1081.3	907.3	120.02	3.1667	1.169
	26.00	1090.5	916.4	120.02	3.0000	1.189
	28.00	1098.9	924.9	120.02	2.8571	1.208
	30.00	1106.6	932.5	120.02	2.7333	1.225
	32.00	1113.8	939.7	119.84	2.6250	1.241
	34.00	1120.5	946.5	119.84	2.5294	1.256
	36.00	1126.4	952.3	119.84	2.4444	1.269
	38.00	1132.2	958.1	119.84	2.3684	1.282
	40.00	1137.5	963.5	119.84	2.3000	1.294
	42.00	1142.8	968.7	119.84	2.2381	1.306
	44.00	1147.1	973.1	119.84	2.1818	1.316
	46.00	1151.4	977.3	119.66	2.1304	1.326
	48.00	1155.6	981.5	119.66	2.0833	1.335
	50.00	1159.7	985.6	119.66	2.0400	1.345
	52.00	1163.3	989.3	119.66	2.0000	1.353
	54.00	1166.8	992.8	119.66	1.9630	1.362
	56.00	1170.2	996.1	119.66	1.9286	1.369
	58.00	1173.6	999.5	119.66	1.8966	1.377
	60.00	1176.4	1002.4	119.66	1.8667	1.384
	62.00	1179.3	1005.2	119.66	1.8387	1.391
***** End Shut-in 2	64.00	1182.4	1008.3	119.66	1.8125	1.398
***** Final Hydro.	286.00	2219.0	0.0	119.84		

CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

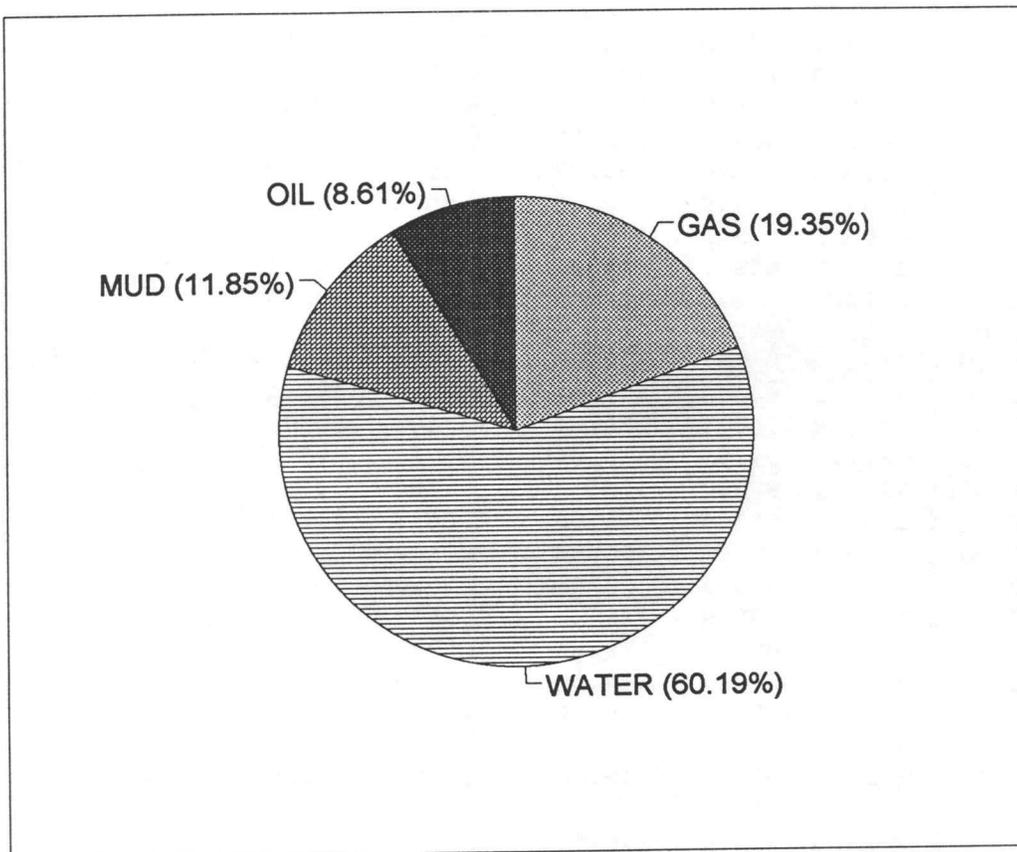
DST # 2

TICKET # 8235

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	10		0		0		0	100	10
2	90	30	27	10	9		0	60	54
3	270	18	48.6	12	32.4	70	189		0
4	170	17	28.9	3	5.1	80	136		0
5			0		0		0		0
TOTAL	540	19.35	104.5	8.61	46.5	60.19	325	11.85	185

HRS OPE BBL/DAY

}BL OIL= 0.227385	*	1.00	5.45724
}BL WAT 1.58925	*		38.142
}BL MUD 0.31296			
}BL GAS 0.511005			



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:	950465	Analyzed:	09/06/95
Sample From:	Adams 1-33 DST 2	Pressure:	
Producer:	Quinque Operating Co.	Temperature:	
Date:		Location:	33-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	K. City

	Mole %	GPM
Helium	He: 0.095	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 16.363	0.000
Carbon Dioxide	CO2: 1.145	0.000
Methane	C1: 67.023	0.000
Ethane	C2: 6.936	1.855
Propane	C3: 4.723	1.301
Iso Butane	iC4: 0.528	0.173
Normal Butane	nC4: 1.322	0.417
Iso Pentane	iC5: 0.332	0.121
Normal Pentane	nC5: 0.401	0.145
Hexanes Plus	C6+: 1.132	0.494
TOTAL:	100.000	4.507
Z Fact:	0.9971	
SP.GR.:	0.7850	
BTU (SAT):	1053.1 @	14.73 psia
BTU (DRY):	1071.7 @	14.73 psia
OCTANE RATING:	101.3	

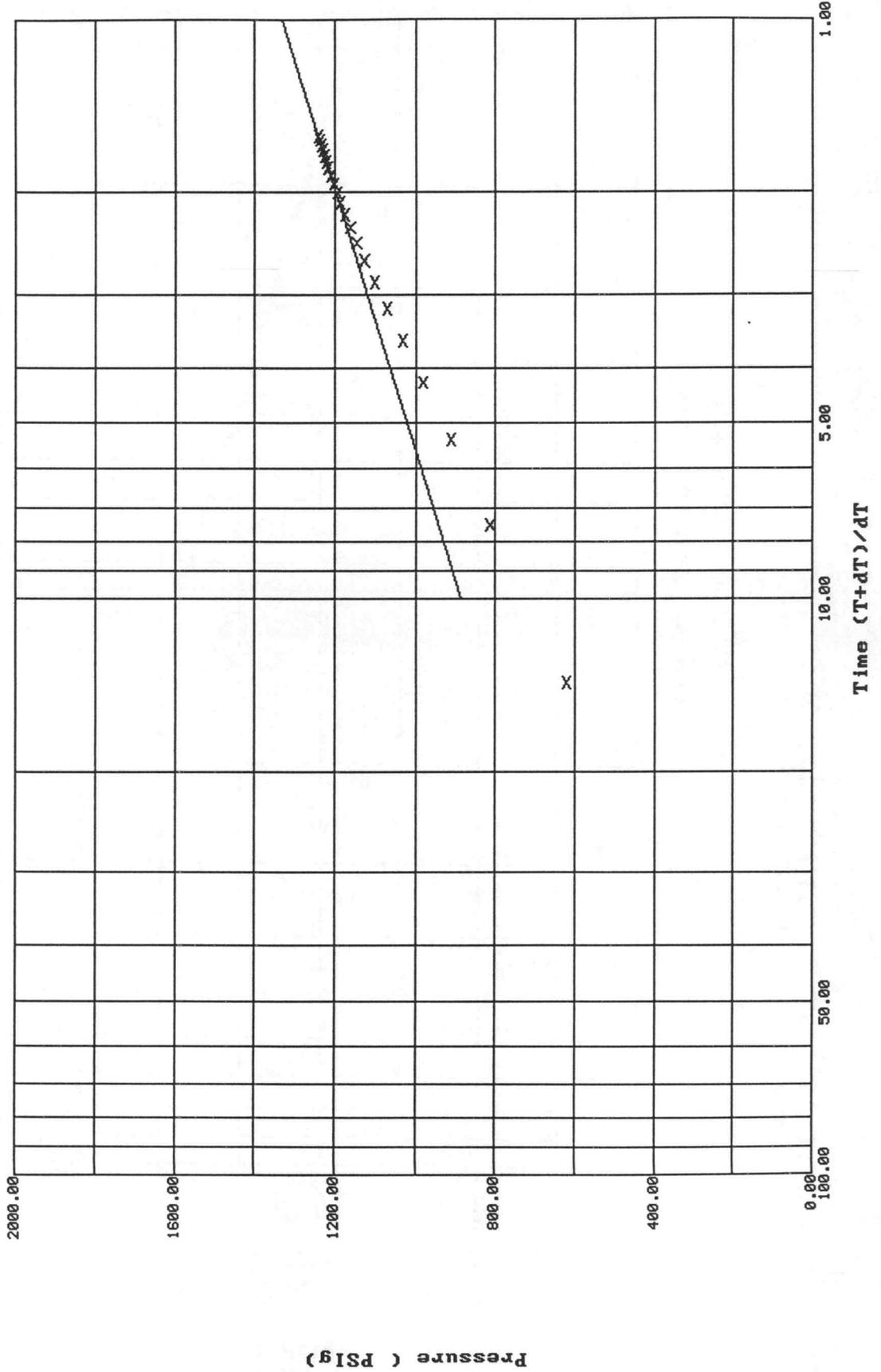
COMMENTS:

Horner Plot: shut-in #1

Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235

Slope: 442.1167 PSig/cycle

Ext. Pressure: 1330.5413 PSig

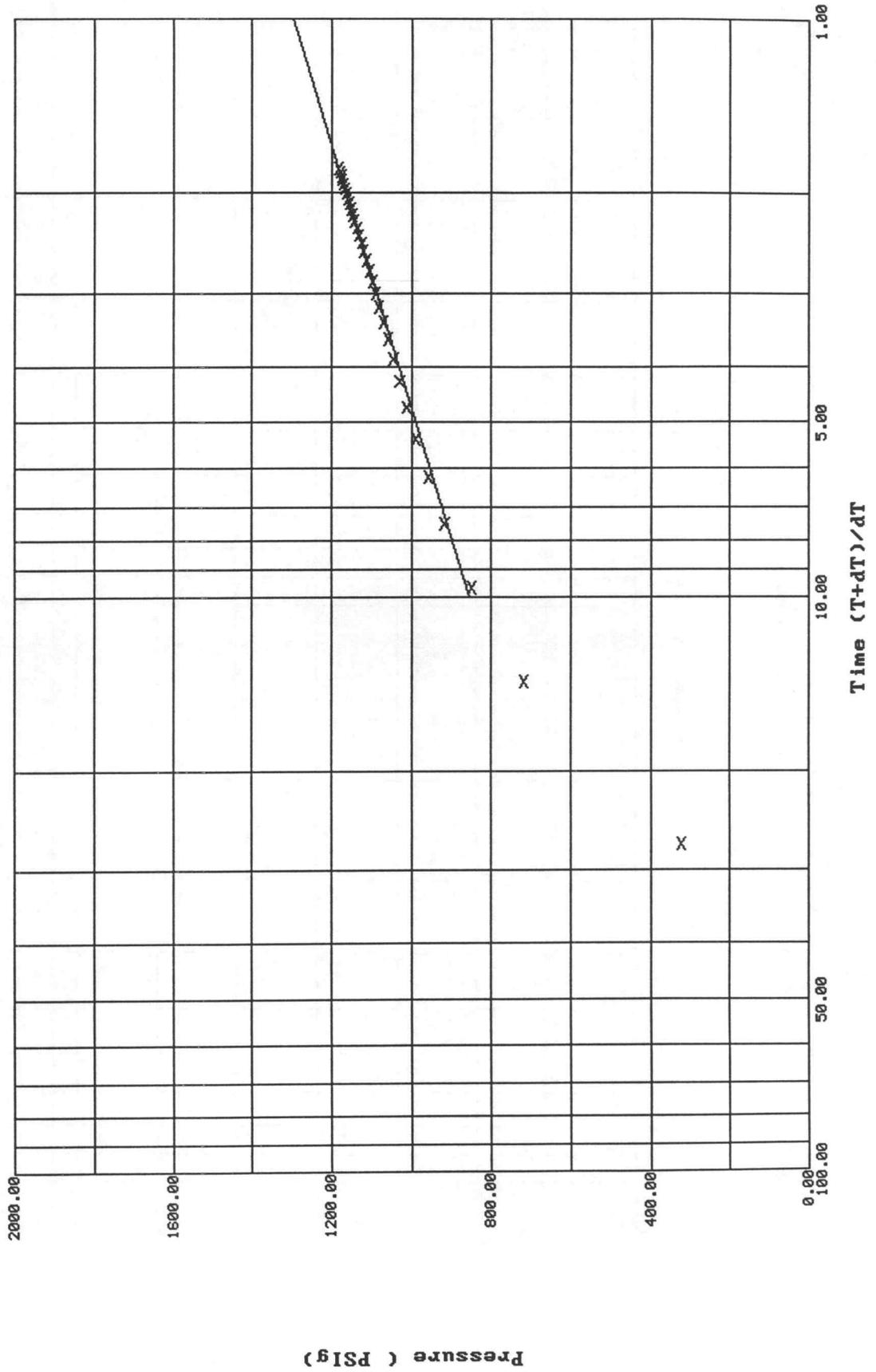


Horner Plot: shut-in #2

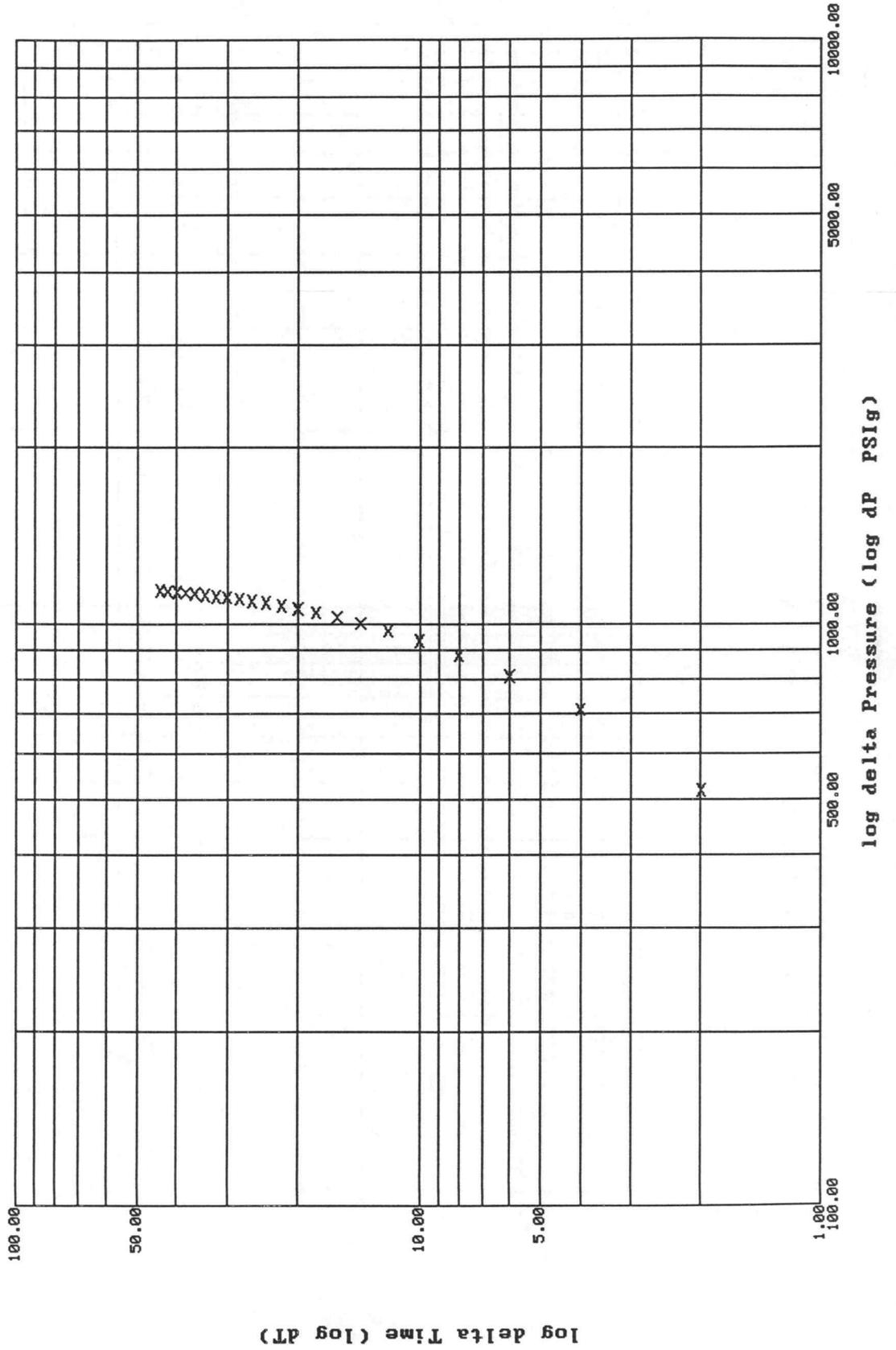
Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235

Slope: 438.5507 PSig/cycle

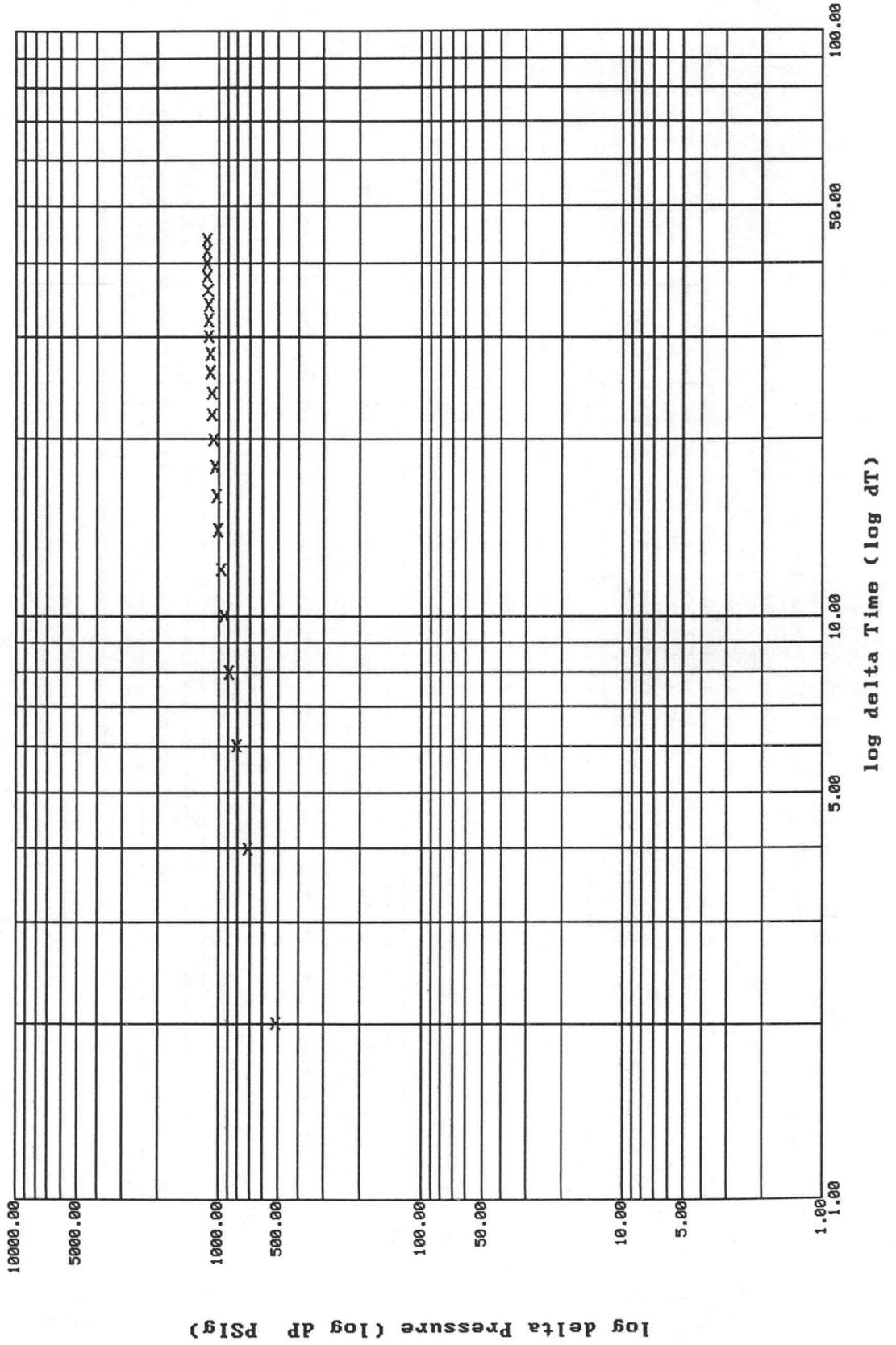
Ext. Pressure: 1295.3881 PSig



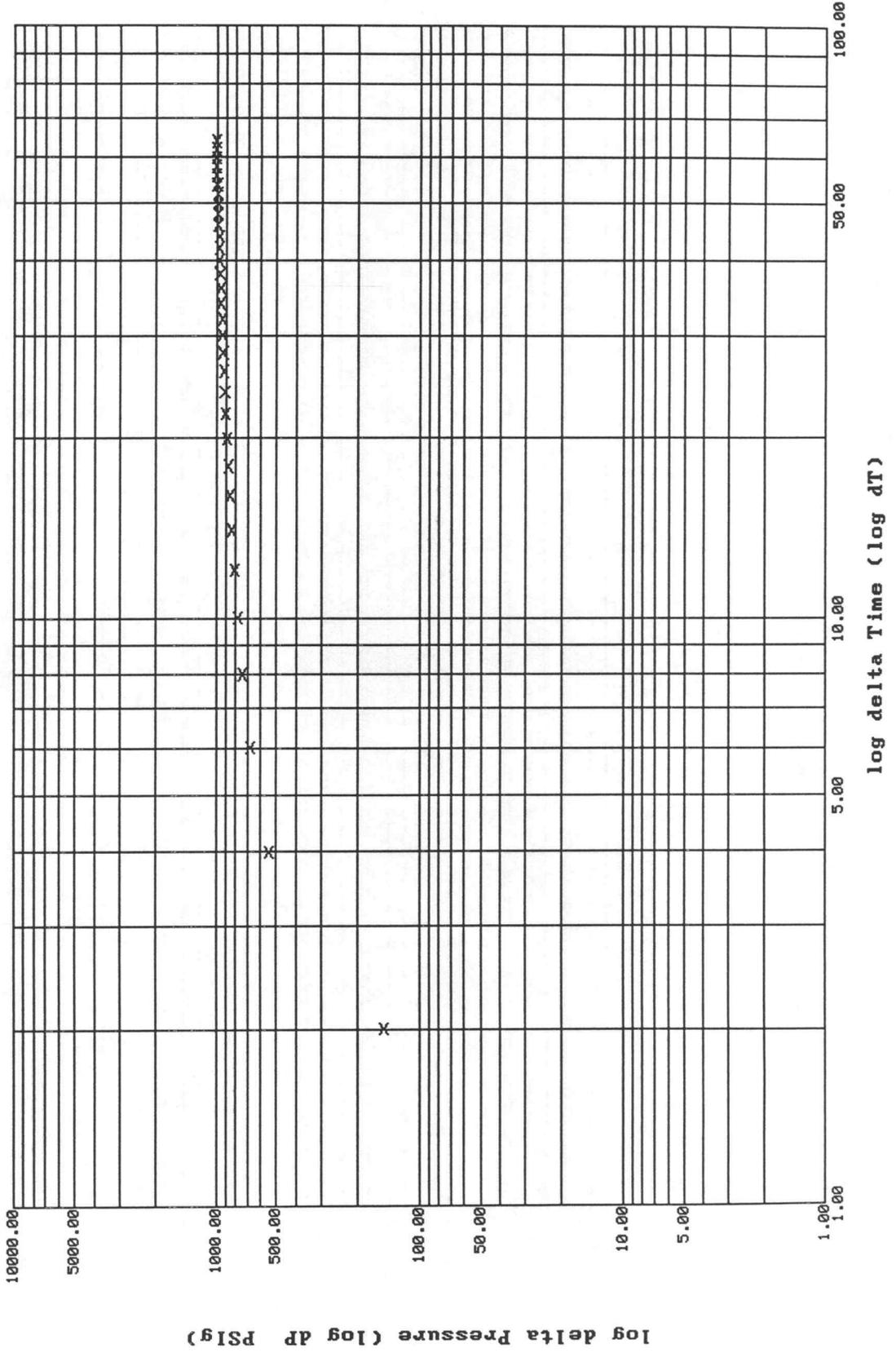
McKinley Plot: shut-in #1
Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235



Ramey Plot: shut-in #1
Quinque Oper. Comp. DST.#2 Adams #1-33 Ticket#8235



Ramey Plot: shut-in #2
Quinque Oper. Comp. DST. #2 Adams #1-33 Ticket#8235



*** TOOL DIAGRAM *** CONV. STRADDLE

WELL NAME: Adams #1-33

LOCATION : 33-34S-30W, Meady Cty, KS

TICKET No. 8235 D.S.T. No. 2 DATE 9-6-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 29ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 28ft.

TOTAL TOOL 57ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 7 Total

D.P. ANCHOR STND.Stands 620 Single 43 Total 2

TOTAL ASSEMBLY 4063ft.

D.C. ABOVE TOOLS.Stands474 Single 473 Total 6ft.

D.P. ABOVE TOOLS.Stands Single Total

TOTAL DRILL COLLARS DRILL PIPE & TOOLS ..

TOTAL DEPTH

TOTAL DRILL PIPE ABOVE K.B.

REMARKS:

	P.O. SUB 1'	4677
	C.O. SUB 5' shutin tool	4678
	S.I. TOOL 5'	4683
	HMV	
	JARS 7'	4688
	2'	4695
	SAFETY JOINT	
	PACKER 5'	4697
	5'	
	DEPTH 4706'	4702
	STUBB	
	ANCHOR 1' perf	4707
	Alpine Rec.	4709
	6' Pick up sub	4708
	AK-1 Rec.	4714
	5' Perf	4714
	3' Perf	4719
	T.C. 1' Blank off sub	4722
	DEPTH 4723'	
	PACKER 5' Straddle	4723
	3' Perf	4728
	AK-1 Rec.	4731
	BULLNOSE	
	T.D. 3' Bull plug	4731

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8235

Well Name & No. <u>Adams #1-33</u>	Test No. <u>2</u>	Date <u>9-6-95</u>
Company <u>Quinque Operating Company</u>	Zone Tested <u>Kansas City DRUM</u>	
Address <u>Box 2438 Liberal MS. 67905</u>	Elevation <u>2495 CK.</u>	
Co. Rep./Geo. <u>Tim Headrick</u>	Cont. <u>Bardoo Rig #4</u>	Est. Ft. of Pay <u>16</u>
Location: Sec. <u>33</u>	Twp. <u>34</u>	Rge. <u>30</u> Co. <u>Meade</u> State <u>KS.</u>
No. of Copies <u>6</u>	Distribution Sheet	Yes <u>X</u> No Turnkey <u>X</u> Yes _____ No _____ Evaluation _____

Interval Tested <u>4706-4729</u>	Drill Pipe Size <u>4 1/2 X Hole</u>
Anchor Length <u>21'</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4701</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4706</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4734</u>	Drill Collar — 2.25 Ft. Run <u>620'</u>
Mud Wt. <u>9.0</u> lb/gal.	Viscosity <u>49</u> Filtrate <u>9.5</u>

Tool Open @ 4:48 AM. Initial Blow Strong blow B.B. in 20 sec. Gas to Surface 4 min.
F.S.I. Bled OFF 2 in took 8 min. Surface blow back. (MCF @ 94.5)
Final Blow Strong blow B.B. in 40 sec. (MCF @ 40.9)
F.S.I. Bled OFF 2 in took 20 min. B.B. blow back in 12 min Throught.

Recovery — Total Feet <u>540</u>	Feet of Gas in Pipe _____	Flush Tool? <u>NO</u>
Rec. <u>10'</u>	Feet Of <u>Mud</u>	%gas _____ %oil _____ %water <u>100</u> %mud _____
Rec. <u>90'</u>	Feet Of <u>S.O.G cut mud</u>	<u>30</u> %gas <u>10</u> %oil _____ %water <u>50</u> %mud _____
Rec. <u>270</u>	Feet Of <u>S.O.G.C. Water</u>	<u>18</u> %gas <u>12</u> %oil <u>70</u> %water _____ %mud _____
Rec. <u>170'</u>	Feet Of <u>S.O.G.C. Water</u>	<u>17</u> %gas <u>3</u> %oil <u>80</u> %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW .190 @ 8 1/2 API Chlorides 50,000 ppm Recovery Chlorides 3,100 ppm System

(A) Initial Hydrostatic Mud <u>2226</u> <u>2275</u>	PSI	AK1 Recorder No. <u>Alpine</u>	Range <u>6,300</u>
(B) First Initial Flow Pressure <u>45</u> <u>101</u>	PSI	@ (depth) <u>4709</u>	w/Clock No. <u>Ekhone</u>
(C) First Final Flow Pressure <u>102</u> <u>121</u>	PSI	AK1 Recorder No. <u>10333</u>	Range <u>4,075</u>
(D) Initial Shut-In Pressure <u>1241</u> <u>1940</u>	PSI	@ (depth) <u>4714</u>	w/Clock No. <u>23935</u>
(E) Second Initial Flow Pressure <u>127</u> <u>193</u>	PSI	AK1 Recorder No. <u>13255</u>	Range <u>6,300</u>
(F) Second Final Flow Pressure <u>174</u> <u>203</u>	PSI	@ (depth) <u>4731</u>	w/Clock No. <u>25113</u>
(G) Final Shut-In Pressure <u>1182</u> <u>1118</u>	PSI	Initial Opening <u>30 min.</u>	Test <input checked="" type="checkbox"/> <u>400</u>
(H) Final Hydrostatic Mud <u>2219</u> <u>1991</u>	PSI	Initial Shut-In <u>45 min.</u>	Jars <input checked="" type="checkbox"/> <u>200</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 [Signature]
Our Representative [Signature]

Final Flow <u>30 min.</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
Final Shut-In <u>60 min.</u>	Straddle <input checked="" type="checkbox"/> <u>250</u>
	Circ. Sub <input checked="" type="checkbox"/> <u>N/C.</u>
	Sampler _____
	Extra Packer <input checked="" type="checkbox"/> <u>150</u>
	Other <u>Ek. Rec</u> <input checked="" type="checkbox"/> <u>150</u>
TOTAL PRICE \$	<u>1400</u>

TEST HISTORY

Quinque Oper. Comp. Adams#1-33 DST#3 #8236

Flag Points

t (Min.)	P (PSig)
A: 0.00	2397.31
B: 0.00	104.40
C: 26.00	126.72
D: 46.00	1280.39
E: 0.00	163.73
F: 26.00	178.59
G: 52.00	1240.70
Q: 0.00	2354.50

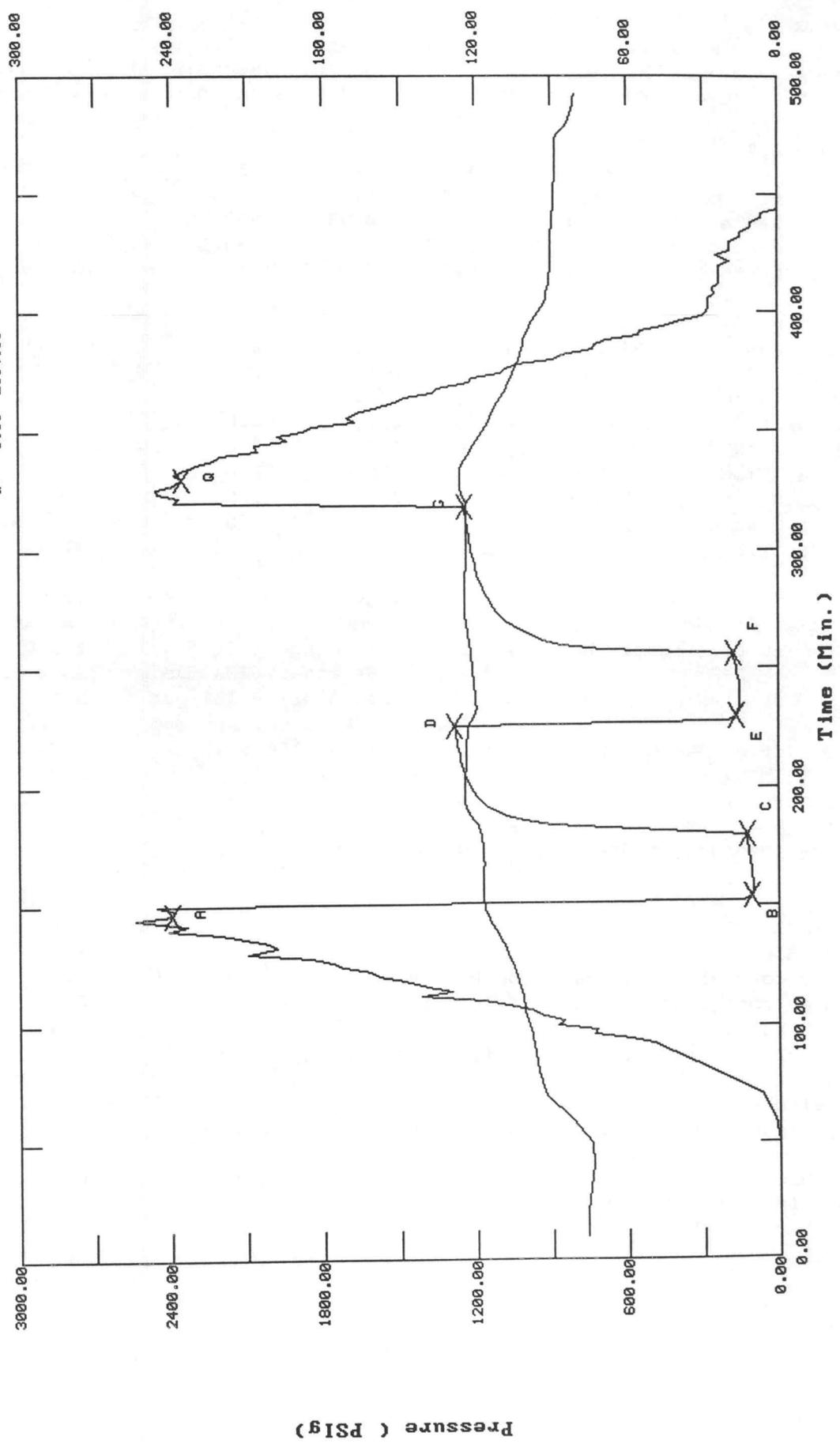
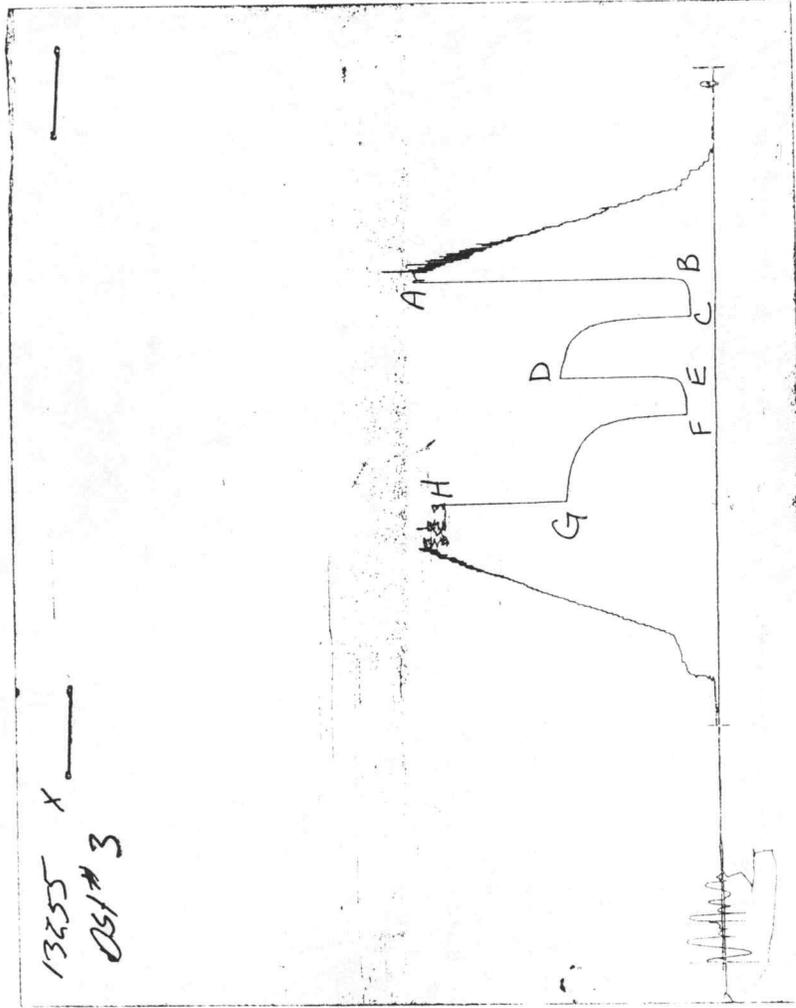
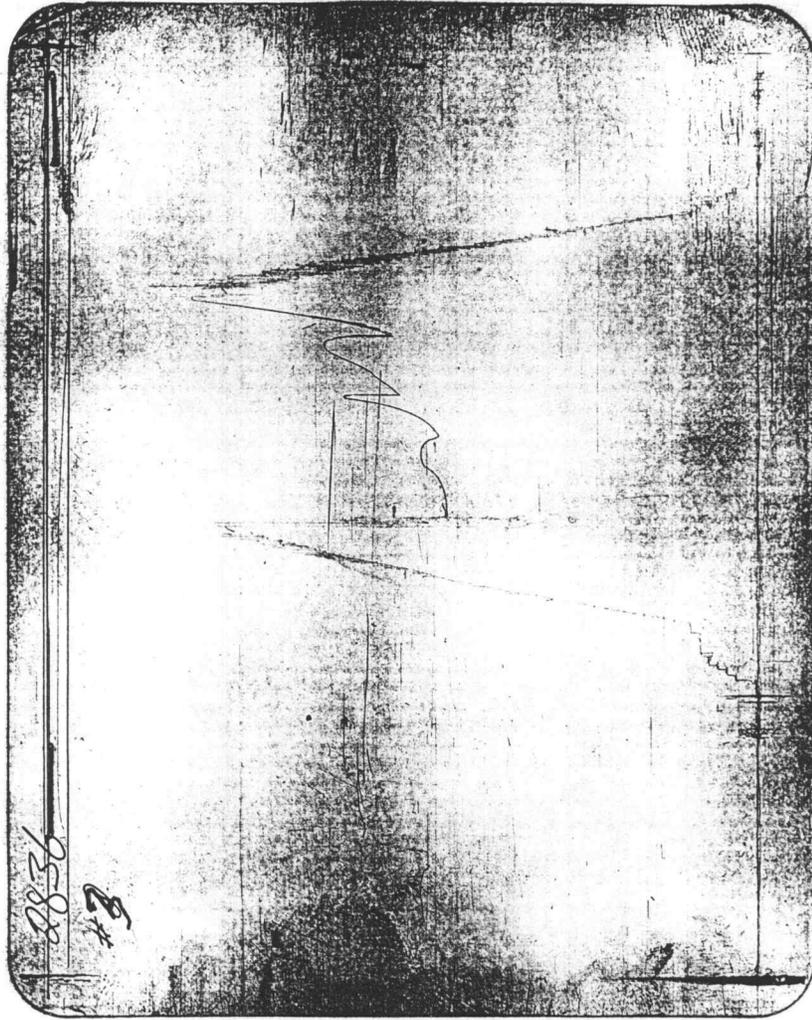


CHART PAGE



This is an actual photograph of recorder chart

CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. Adams#1-33 DST#3 #8236

DATE: 09/07/95

TIME: 14:52:26

	Time	Pressure PSIg	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	146.00	2397.3	0.0	115.34		
***** Start Flow 1	0.00	104.4	0.0	116.96		
	2.00	101.0	-3.4	117.14		
	4.00	100.6	-3.8	117.14		
	6.00	101.5	-2.9	117.14		
	8.00	104.5	0.1	116.96		
	10.00	106.9	2.5	116.78		
	12.00	107.8	3.4	116.78		
	14.00	111.1	6.7	116.60		
	16.00	113.4	9.0	116.78		
	18.00	116.3	11.9	116.78		
	20.00	118.9	14.5	116.96		
	22.00	121.2	16.8	117.14		
	24.00	124.4	20.0	117.32		
***** End Flow 1	26.00	126.7	22.3	117.50		
***** Start Shutin 1	0.00	126.7	0.0	117.50	0.0000	0.016
	2.00	460.7	333.9	117.86	14.0000	0.212
	4.00	895.5	768.8	118.76	7.5000	0.802
	6.00	1009.1	882.4	120.38	5.3333	1.018
	8.00	1073.9	947.2	121.82	4.2500	1.153
	10.00	1117.3	990.6	122.90	3.6000	1.248
	12.00	1148.4	1021.7	123.62	3.1667	1.319
	14.00	1171.5	1044.8	124.16	2.8571	1.373
	16.00	1189.7	1062.9	124.34	2.6250	1.415
	18.00	1204.3	1077.5	124.34	2.4444	1.450
	20.00	1216.4	1089.6	124.34	2.3000	1.480
	22.00	1226.1	1099.4	124.16	2.1818	1.503
	24.00	1234.4	1107.7	124.16	2.0833	1.524
	26.00	1241.5	1114.8	123.98	2.0000	1.541
	28.00	1247.9	1121.2	123.80	1.9286	1.557
	30.00	1253.2	1126.5	123.80	1.8667	1.571
	32.00	1258.2	1131.4	123.62	1.8125	1.583
	34.00	1262.3	1135.5	123.62	1.7647	1.593
	36.00	1266.2	1139.5	123.44	1.7222	1.603
	38.00	1269.5	1142.8	123.26	1.6842	1.612
	40.00	1272.8	1146.0	123.26	1.6500	1.620
	42.00	1275.6	1148.9	123.08	1.6190	1.627
	44.00	1278.2	1151.5	123.08	1.5909	1.634
***** End Shut-in 1	46.00	1280.4	1153.7	122.90	1.5652	1.639
***** Start Flow 2	0.00	163.7	0.0	120.56		
	2.00	158.1	-5.6	119.66		
	4.00	155.7	-8.1	119.48		
	6.00	152.3	-11.4	119.66		
	8.00	152.3	-11.4	119.84		
	10.00	151.6	-12.2	120.20		
	12.00	152.6	-11.2	120.38		
	14.00	153.2	-10.6	120.56		
	16.00	158.4	-5.3	120.74		
	18.00	163.6	-0.2	120.92		
	20.00	167.3	3.5	121.10		
	22.00	172.0	8.2	121.28		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. Adams#1-33 DST#3 #8236

DATE: 09/07/95

TIME: 14:52:26

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	24.00	175.9	12.2	121.46		
***** End Flow 2	26.00	178.6	14.9	121.64		
***** Start Shutin 2	0.00	178.6	0.0	121.64	0.0000	0.032
	2.00	693.3	514.7	121.82	27.0000	0.481
	4.00	856.1	677.5	122.18	14.0000	0.733
	6.00	931.9	753.3	122.36	9.6667	0.868
	8.00	982.6	804.0	122.72	7.5000	0.966
	10.00	1021.3	842.7	123.08	6.2000	1.043
	12.00	1051.8	873.2	123.62	5.3333	1.106
	14.00	1076.4	897.8	123.80	4.7143	1.159
	16.00	1096.8	918.2	123.98	4.2500	1.203
	18.00	1113.6	935.0	123.98	3.8889	1.240
	20.00	1128.4	949.8	123.98	3.6000	1.273
	22.00	1140.7	962.1	124.16	3.3636	1.301
	24.00	1151.7	973.1	124.16	3.1667	1.326
	26.00	1161.5	982.9	123.98	3.0000	1.349
	28.00	1170.1	991.5	123.98	2.8571	1.369
	30.00	1177.8	999.2	123.98	2.7333	1.387
	32.00	1184.6	1006.0	123.98	2.6250	1.403
	34.00	1190.7	1012.1	123.98	2.5294	1.418
	36.00	1196.5	1017.9	123.80	2.4444	1.432
	38.00	1201.6	1023.0	123.80	2.3684	1.444
	40.00	1206.1	1027.5	123.80	2.3000	1.455
	42.00	1210.5	1031.9	123.80	2.2381	1.465
	44.00	1214.7	1036.1	123.62	2.1818	1.475
	46.00	1218.3	1039.7	123.62	2.1304	1.484
	48.00	1221.7	1043.1	123.62	2.0833	1.493
	50.00	1225.2	1046.6	123.62	2.0400	1.501
	52.00	1228.0	1049.4	123.62	2.0000	1.508
	54.00	1230.9	1052.3	123.62	1.9630	1.515
	56.00	1233.5	1054.9	123.62	1.9286	1.521
	58.00	1236.2	1057.6	123.62	1.8966	1.528
	60.00	1238.7	1060.1	123.62	1.8667	1.534
***** End Shut-in 2	62.00	1240.7	1062.1	123.44	1.8387	1.539
***** Final Hydro.	330.00	2354.5	0.0	126.14		

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:	950468	Analyzed:	09/08/95
Sample From:	Adams 1-33 DST 3	Pressure:	
Producer:	Quinque Operating Co.	Temperature:	
Date:		Location:	33-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:	Second Opening	Formation:	Marmaton

	Mole %	GPM
Helium	He: 0.188	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 4.869	0.000
Carbon Dioxide	CO2: 0.144	0.000
Methane	C1: 78.306	0.000
Ethane	C2: 6.947	1.858
Propane	C3: 4.948	1.363
Iso Butane	iC4: 0.634	0.207
Normal Butane	nC4: 1.622	0.511
Iso Pentane	iC5: 0.435	0.159
Normal Pentane	nC5: 0.510	0.185
Hexanes Plus	C6+: 1.397	0.609

TOTAL:	100.000	4.894
Z Fact:	0.9966	
SP.GR.:	0.7471	
BTU (SAT):	1207.0	@ 14.73 psia
BTU (DRY):	1228.3	@ 14.73 psia
OCTANE RATING:	116.7	

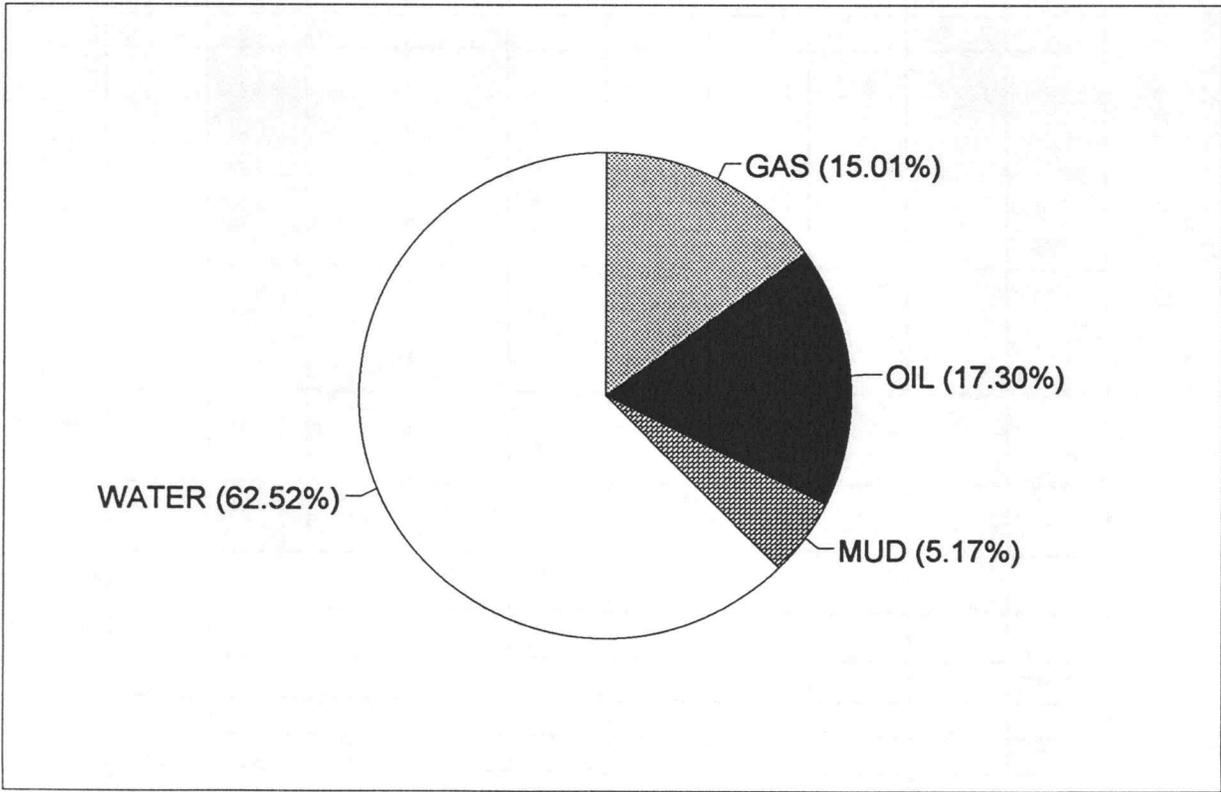
COMMENTS:

CALCULATED RECOVERY ANALYSIS

DST # 3

TICKET # 8236

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL PIPE	1	30	4	1.2	70	21	6	1.8	20	6
	2	30	45	13.5	30	9	10	3	15	4.5
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT PIPE	1			0		0		0		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
DRL COLLAR	1	60	45	27	30	18	10	6	15	9
	2	180	25	45	15	27	60	108		0
	3	350		0		0	100	350		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL	650	13.33846	86.7	11.53846	75	72.12308	468.8	3	19.5	
		HRS OPE BBL/DAY								
BBL OIL=	0.64665	*	1.00	15.5196						
BBL WATER=	2.337216	*		56.09318						
BBL MUD=	0.19332									
BBL GAS =	0.561114									

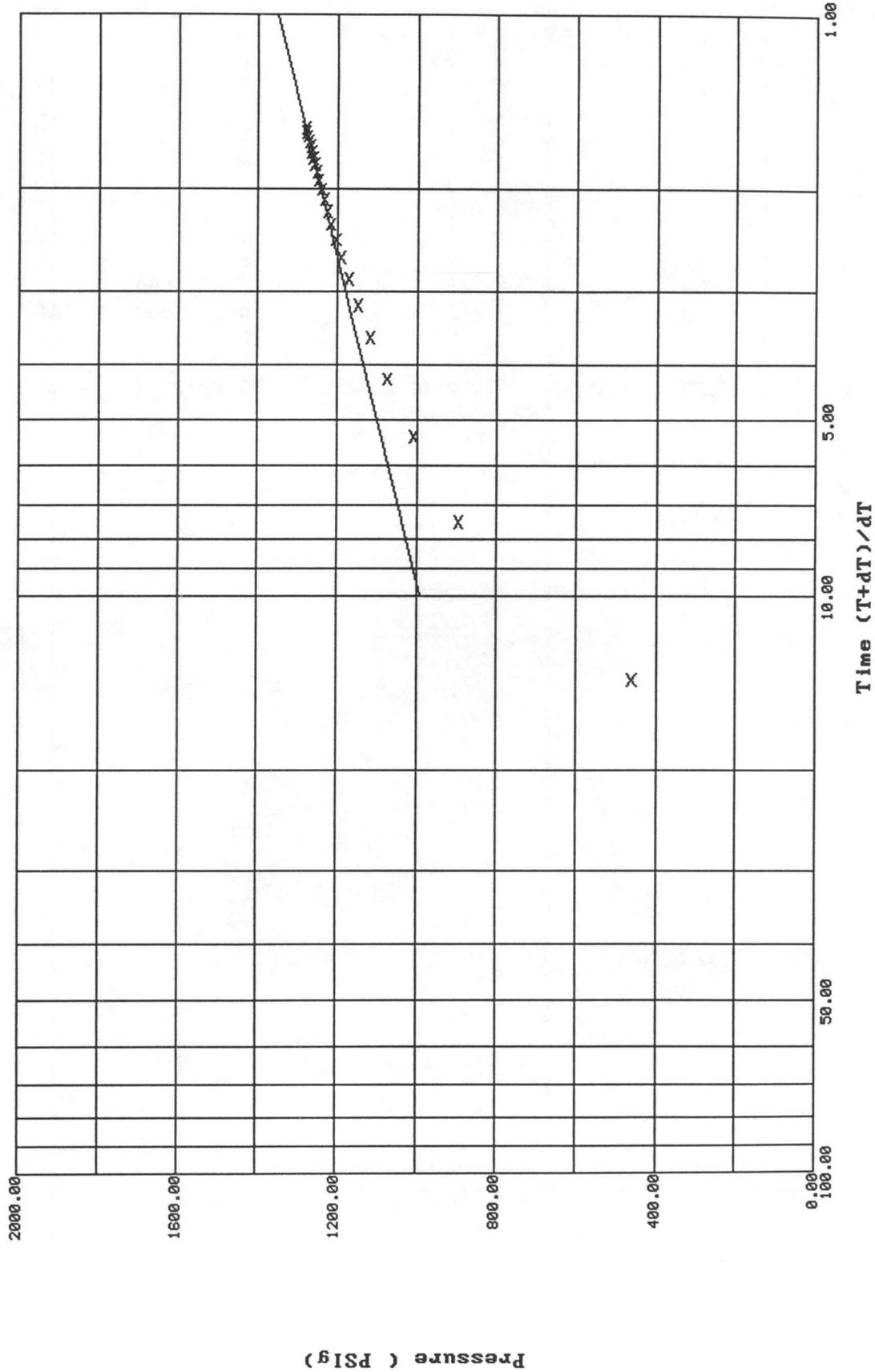


Horner Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#3 #8236

Slope: 359.2584 PSig/cycle

Ext. Pressure: 1350.7274 PSig

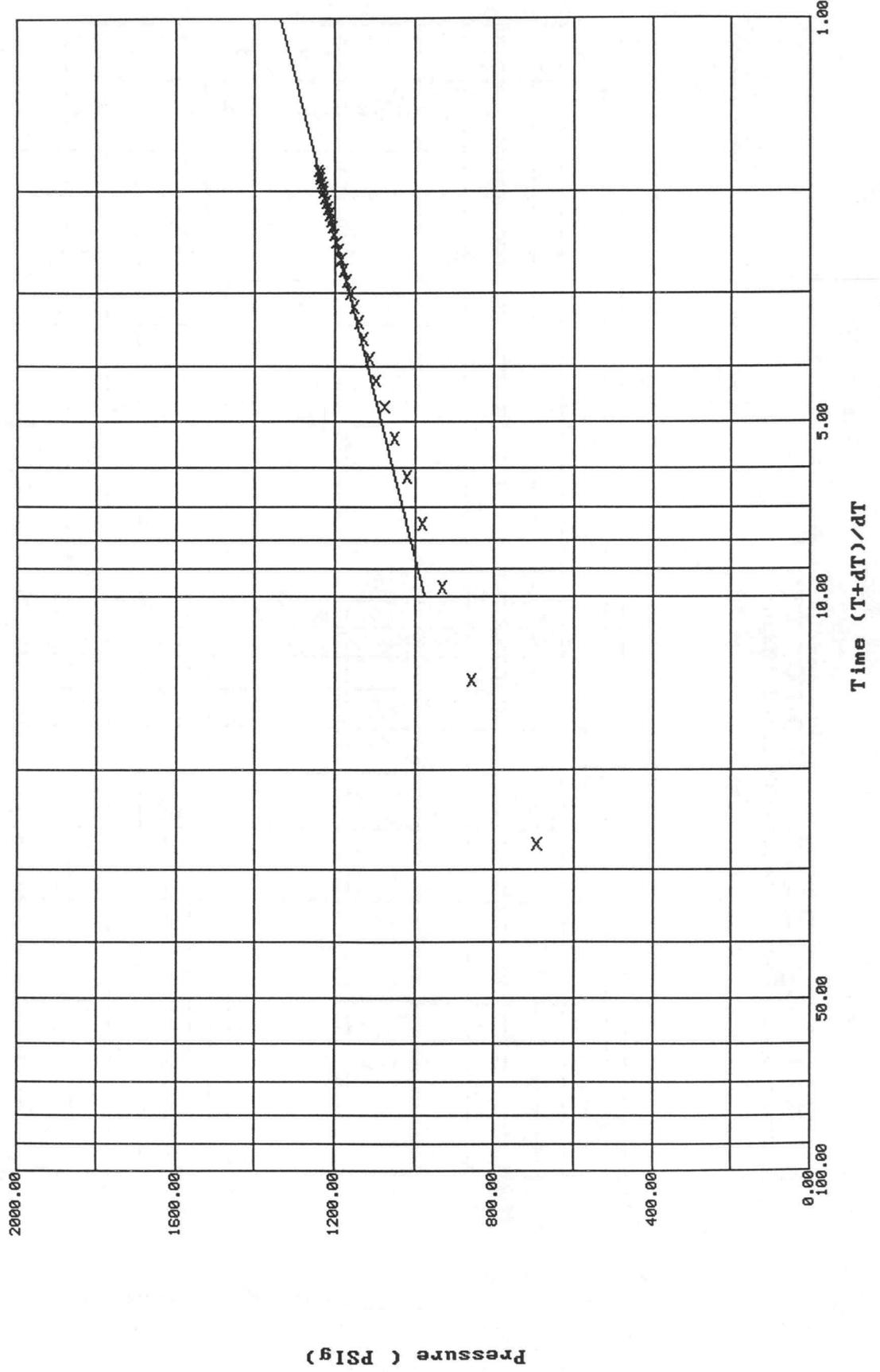


Horner Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#3 #8236

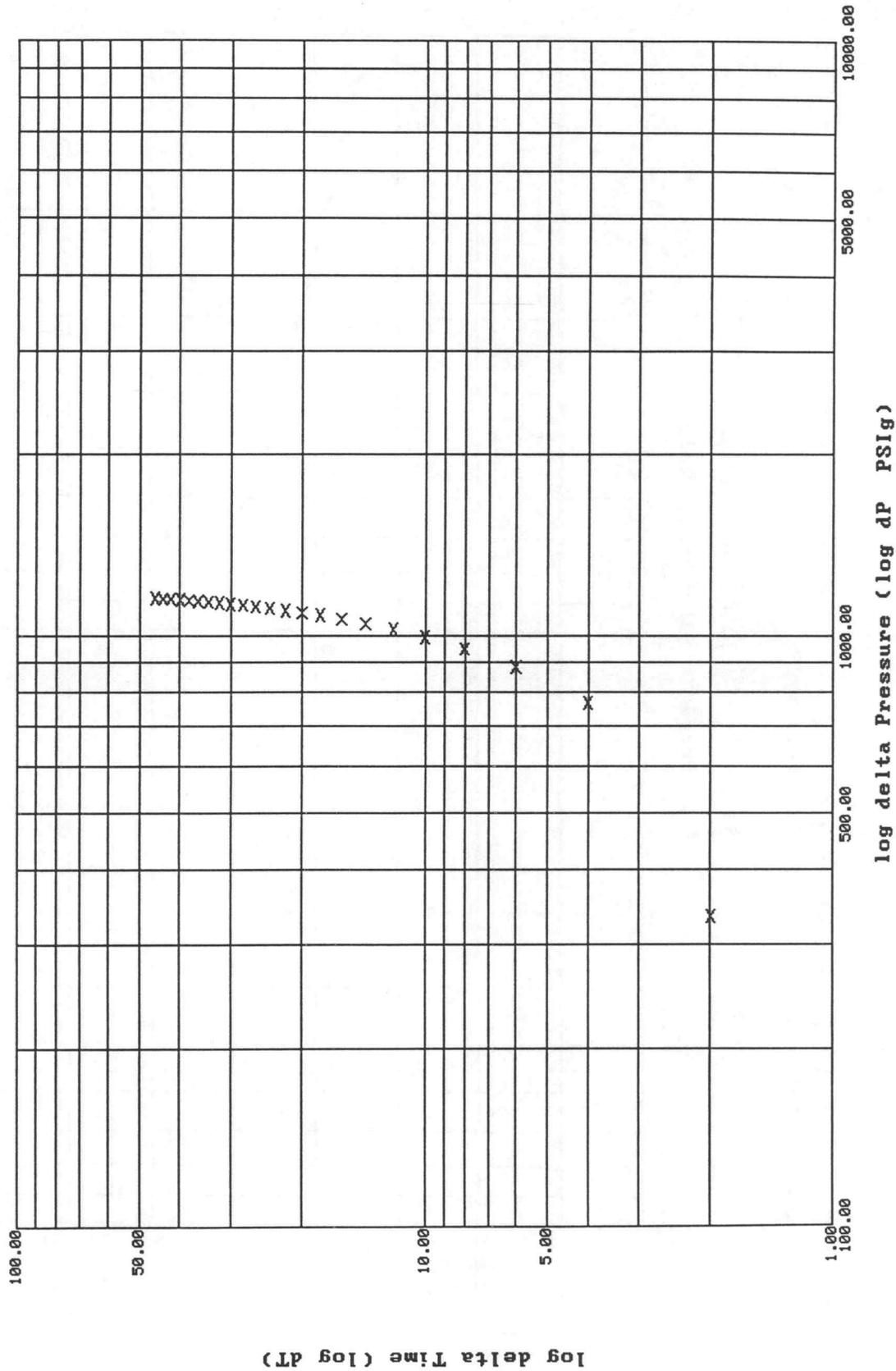
Slope: 360.3018 PSig/cycle

Ext. Pressure: 1336.4148 PSig



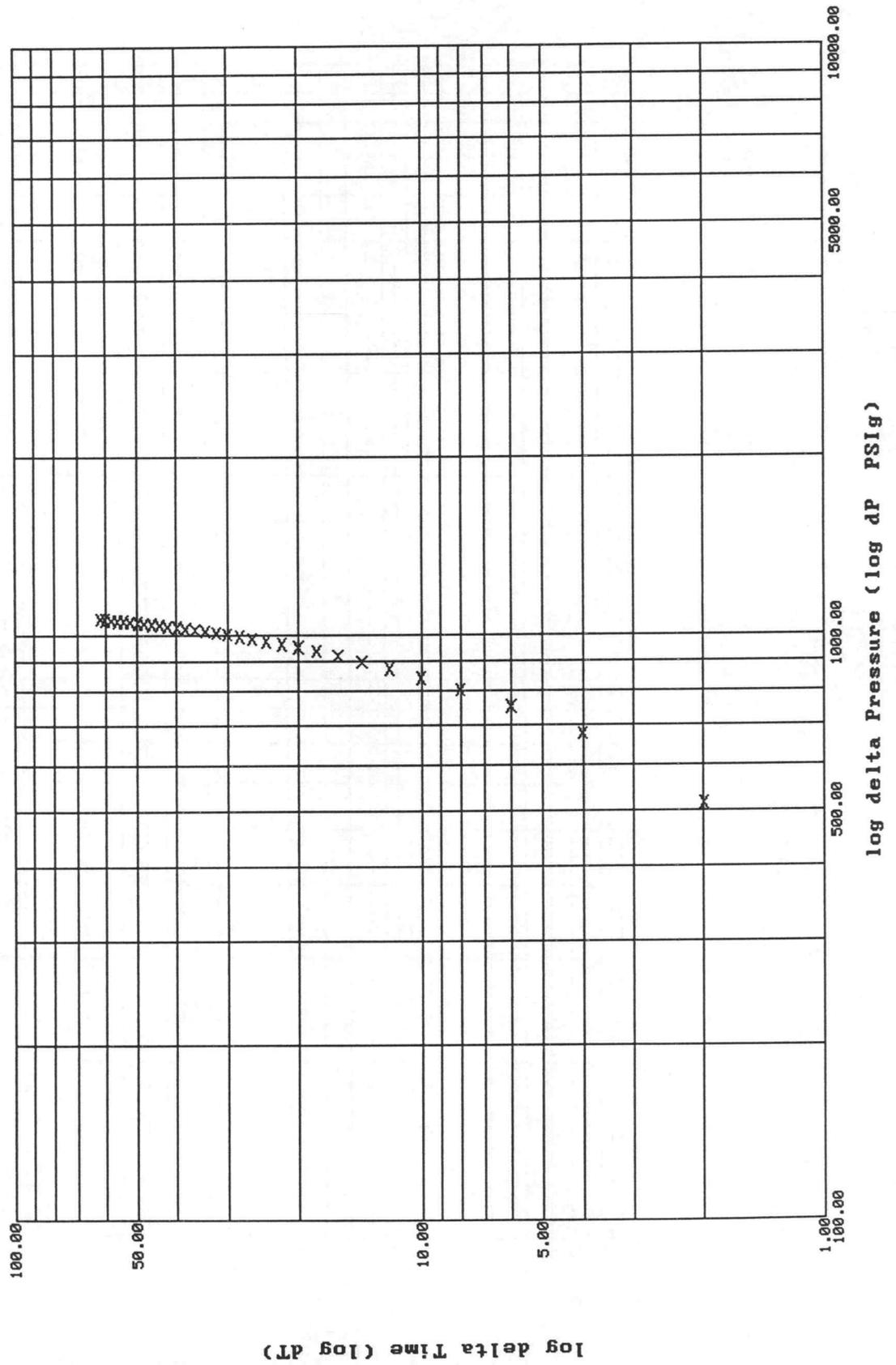
McKinley Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#3 #8236



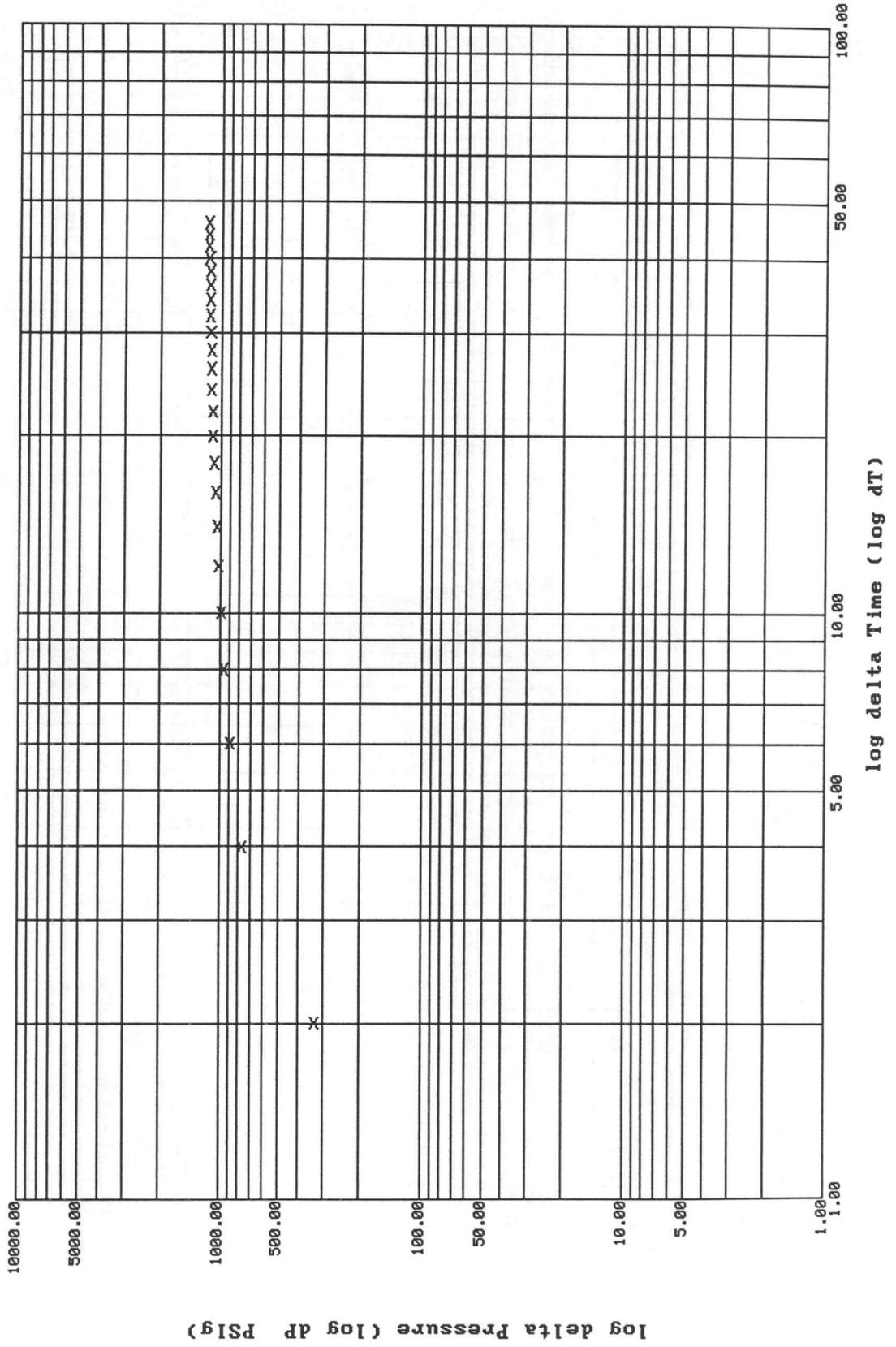
McKinley Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#3 #8236



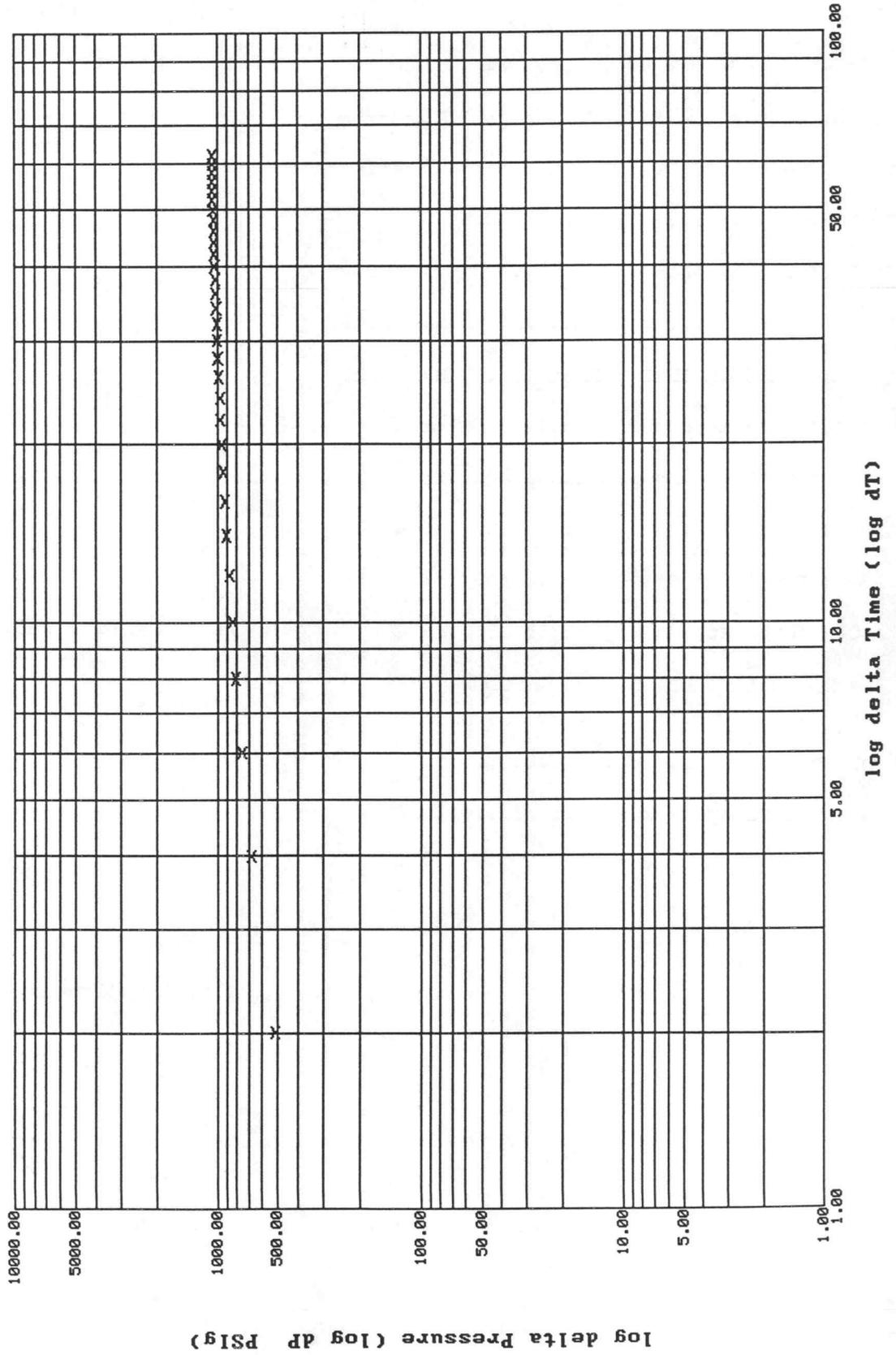
Ramey Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#3 #8236



Ramey Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#3 #8236



*** TOOL DIAGRAM *** CONV STRADDLE

WELL NAME: Adams #1-33

LOCATION : 33-34S-30W, Meade Cty, KS

TICKET No. 8236 D.S.T. No. 3 DATE 9-7-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 25ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30ft.

TOTAL TOOL 55ft.

DRILL COLLAR ANCHOR IN INTERVAL 30ft.

D.C. ANCHOR STND.Stands60f Single 6 Total 2

D.P. ANCHOR STND.Stands 590 Single 48 Total 2

TOTAL ASSEMBLY 4500

D.C. ABOVE TOOLS.Stands520 Single 513 Total 16ft.

D.P. ABOVE TOOLS.Stands Single Total

TOTAL DRILL COLLARS DRILL PIPE & TOOLS ..

TOTAL DEPTH

TOTAL DRILL PIPE ABOVE K.B.

REMARKS:

P.O. SUB 1' c/o	5106
C.O. SUB 5' shutin tool	5107
S.I. TOOL 5ft.	5112
HMV	
JARS 7'	5117
2'	5124
SAFETY JOINT	
PACKER 5'	5126
5'	
DEPTH	5131
STUBB	
ANCHOR Alpine Rec.	5137
6ft pick up sub	5136
2ft. perf	5142
AK-1 Rec.	5143
T.C. 1ft Blank off sub	5143
DEPTH 5148'	
PACKER 5' Straddle	5144
5' Perf	5149
AK-1 Rec.	5154
1' hanging sub	5154
1' C/O sub	5155
30' Drlg. collar	5156
1' Double pin	5186
BULLNOSE	
T.D. 3' Bull plug	5187

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8236

Well Name & No. <u>Adams #1-33</u>		Test No. <u>3</u>	Date <u>9-7-95</u>
Company <u>Quinque Operating Company</u>		Zone Tested <u>Marmaton</u>	
Address <u>Box 2738 Liberal Mo. 67965</u>		Elevation <u>2495 (GR)</u>	
Co. Rep./Geo. <u>Tim Headrick</u>	Cont. <u>Benedo Rig #4</u>	Est. Ft. of Pay <u>25</u>	
Location: Sec. <u>33</u>	Twp. <u>34</u>	Rge. <u>30</u>	Co. <u>Meade</u> State <u>Ks.</u>
No. of Copies <u>6</u>	Distribution Sheet	Yes <u>X</u> No	Turnkey <u>X</u> Yes No Evaluation

Interval Tested <u>5134-5148</u>	Drill Pipe Size <u>4 1/2 X Hole</u>
Anchor Length <u>14'</u>	Top Choke — 1" — Bottom Choke — 3/4" —
Top Packer Depth <u>5129</u>	Hole Size — 7 7/8" — Rubber Size — 6 3/4" —
Bottom Packer Depth <u>5134</u>	Wt. Pipe I.D. — 2.7 Ft. Run —
Total Depth <u>5190</u>	Drill Collar — 2.25 Ft. Run <u>590'</u>
Mud Wt. <u>9.0</u> lb/gal.	Viscosity <u>60</u> Filtrate <u>9.2</u>

Tool Open @ 6:29 pm Initial Blow Very Strong blow B.B. soon as open took (G.T.S 3min)
I.S.I Bled off 2in took 12 min. built to 6in blow back (MCF @ 259)
 Final Blow Very Strong blow B.B. soon as open took (MCF @ 357)
I.S.I Bled off 2in took 8 min built to 8in blow back.

Recovery — Total Feet <u>650</u>	Feet of Gas in Pipe	Flush Tool? <u>NO</u>
Rec. <u>30</u> Feet Of <u>0' m s w g cut</u>	<u>4</u> %gas <u>70</u> %oil <u>6</u> %water <u>20</u> %mud	
Rec. <u>90</u> Feet Of <u>6' 0' s m w cut</u>	<u>45</u> %gas <u>30</u> %oil <u>10</u> %water <u>15</u> %mud	
Rec. <u>180</u> Feet Of <u>w o d g cut</u>	<u>25</u> %gas <u>15</u> %oil <u>60</u> %water %mud	
Rec. <u>350</u> Feet Of <u>salt water</u>	%gas %oil <u>100</u> %water %mud	
Rec. _____ Feet Of _____	%gas %oil %water %mud	

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 1335 @ 6.92 Chlorides 325,000 ppm Recovery Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud <u>2397</u> <u>2408</u> PSI	AK1 Recorder No. <u>Alpine</u>	Range <u>6,300</u>
(B) First Initial Flow Pressure <u>104</u> <u>215</u> PSI	@ (depth) <u>5138</u>	w/Clock No. <u>Electronic</u>
(C) First Final Flow Pressure <u>126</u> <u>184</u> PSI	AK1 Recorder No. <u>13255</u>	Range <u>6,300</u>
(D) Initial Shut-In Pressure <u>1280</u> <u>1234</u> PSI	@ (depth) <u>5143</u>	w/Clock No. <u>25113</u>
(E) Second Initial Flow Pressure <u>163</u> <u>276</u> PSI	AK1 Recorder No. <u>2836</u>	Range <u>3,500</u>
(F) Second Final Flow Pressure <u>178</u> <u>215</u> PSI	@ (depth) <u>5154</u>	w/Clock No. <u>30418</u>
(G) Final Shut-In Pressure <u>1240</u> <u>1203</u> PSI	Initial Opening <u>30 min</u>	Test <input checked="" type="checkbox"/> <u>700</u>
(H) Final Hydrostatic Mud <u>2354</u> <u>2172</u> PSI	Initial Shut-In <u>45 min</u>	Jars <input checked="" type="checkbox"/> <u>200</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.

Final Flow <u>30 min</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
Final Shut-In <u>60 min</u>	Straddle <input checked="" type="checkbox"/> <u>250</u>
	Circ. Sub <input checked="" type="checkbox"/> <u>N/C</u>
	Sampler _____

Approved By [Signature]
 Our Representative [Signature]

Extra Packer 150
 Other Electronic Rec 150

TRILOBITE TESTING L.L.C.

OPERATOR : Quinque Operation Co

DATE 9-9-95

WELL NAME: Adams #1-33

KB 0.00 ft

TICKET NO: 8237 DST #4

LOCATION : 33-34S-30W, Meade Cty, KS

GR 2495.00 ft

FORMATION: Morrow "B"

INTERVAL : 5716.00 To 5743.00 ft

TD 5743.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13255	13255			PF Fr. 1947 to 2017 hr
SI 60	Range(Psi)	6300.0	6300.0	4995.0	0.0	0.0 IS Fr. 2017 to 2117 hr
SF 60	Clock(hrs)	25113	25113			SF Fr. 2117 to 2217 hr
FS 120	Depth(ft)	5740.0	5740.0	5720.0	0.0	0.0 FS Fr. 2217 to 0017 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	2723.0	2736.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	0.0	225.0	64.0	0.0	0.0	T ON BOTM 1945 hr
B1. Final Flow	0.0	225.0	83.0	0.0	0.0	T OPEN 1947 hr
C. In Shut-in	0.0	1950.0	1994.0	0.0	0.0	T PULLED 0017 hr
D. Init Flow	0.0	215.0	69.0	0.0	0.0	T OUT 0225 hr
E. Final Flow	0.0	208.0	83.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	2006.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	2640.0	2651.0	0.0	0.0	Tool Wt. 18000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 1100000.00 lbs
						Initial Str Wt 1000000.00 lbs
						Unseated Str Wt 80000.00 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 620.00 ft
						D.P. Length 5093.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
 0.00 ft of Mud in top shut in tool - 100% mud

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

BLOW DESCRIPTION

Initial Blow -
 Very strong blow, bottom of bucket
 30 sec; Gas to surface 5 min, MCF 424
 Initial Shutin -
 Bled off 2" took 20 min, no blow back
 Final Blow -
 Very strong blow, bottom of bucket as
 soon as tool open; MCF @ 522
 Final Shutin -
 Bled off 2" took 13 min, no blow back

MUD DATA-----	
Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	50.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop Y	25.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	GOOD
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Tim Hedrick
Contr.	Beredco Inc.
Rig #	4
Unit #	
Pump T.	

SAMPLES: Yes

SENT TO: Caraway, Liberal KS

Test Successful: Y

TEST HISTORY

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

Flag Points

t (Min.) P (PSig)

A:	0.00	2736.46
B:	0.00	63.61
C:	26.00	82.91
D:	60.00	1993.95
E:	0.00	69.32
F:	58.00	82.58
G:	120.00	2006.29
Q:	0.00	2651.19

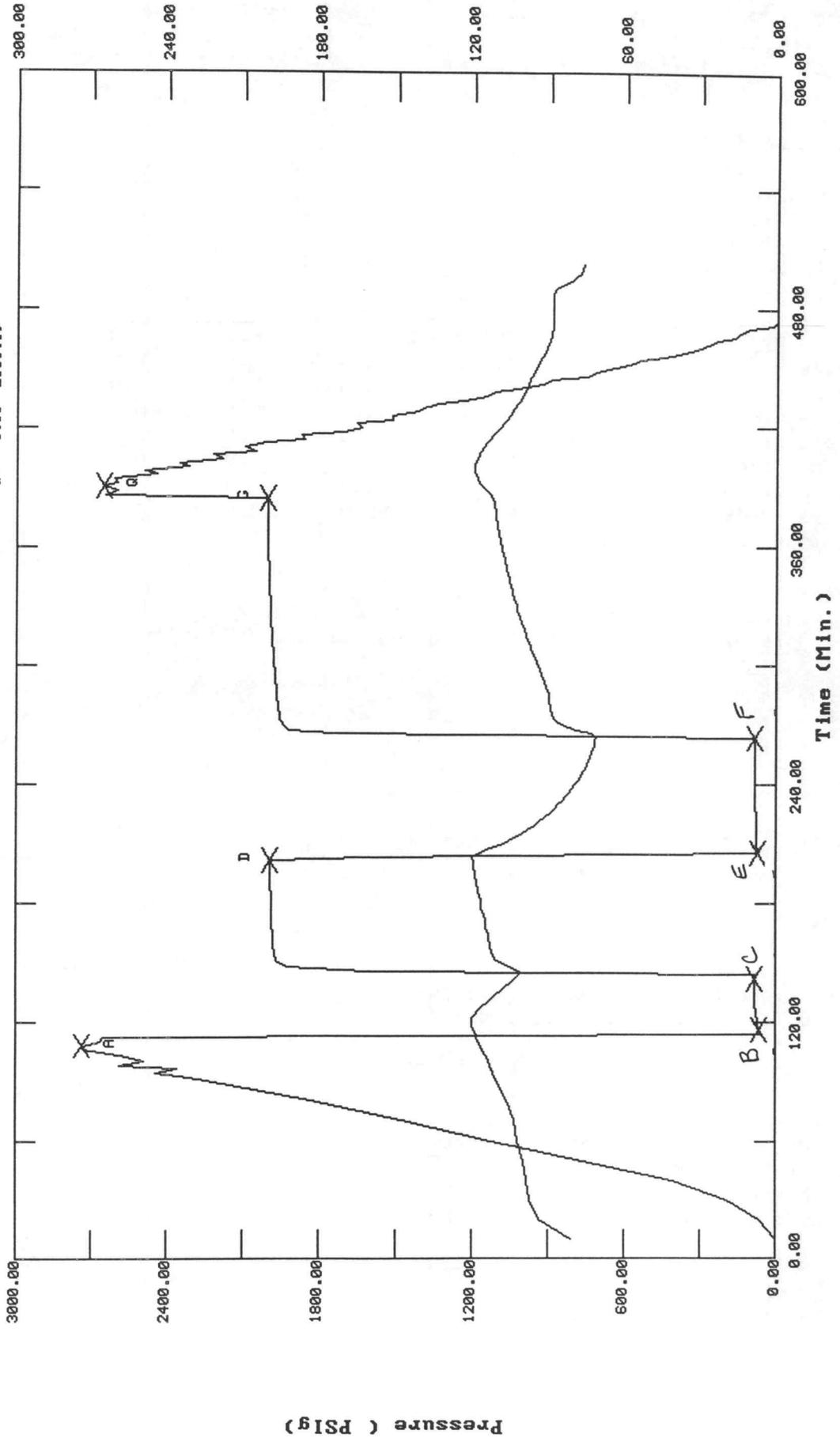
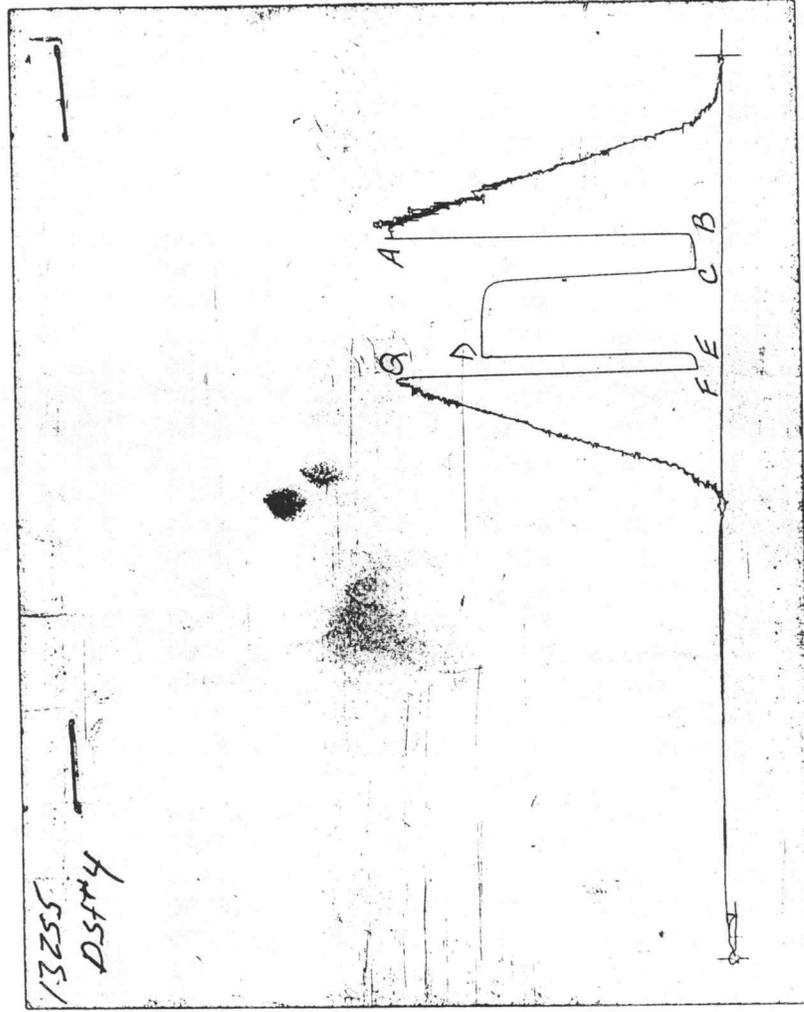


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

DATE: 09/09/95 TIME: 16:47:47

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	108.00	2736.5	0.0	116.60		
***** Start Flow 1	0.00	63.6	0.0	119.30		
	2.00	69.1	5.5	120.02		
	4.00	69.9	6.3	120.20		
	6.00	68.6	5.0	119.66		
	8.00	73.4	9.8	118.58		
	10.00	76.4	12.8	117.32		
	12.00	79.6	16.0	115.70		
	14.00	82.4	18.8	113.90		
	16.00	78.9	15.3	112.10		
	18.00	82.8	19.2	110.12		
	20.00	83.7	20.1	108.32		
	22.00	81.2	17.6	106.52		
	24.00	82.0	18.4	104.72		
***** End Flow 1	26.00	82.9	19.3	102.92		
***** Start Shutin 1	0.00	82.9	0.0	102.92	0.0000	0.007
	2.00	80.2	-2.7	101.30	14.0000	0.006
	4.00	1610.3	1527.4	101.30	7.5000	2.593
	6.00	1925.1	1842.2	105.44	5.3333	3.706
	8.00	1960.1	1877.2	109.04	4.2500	3.842
	10.00	1969.3	1886.4	110.84	3.6000	3.878
	12.00	1973.6	1890.7	111.74	3.1667	3.895
	14.00	1976.2	1893.3	112.28	2.8571	3.906
	16.00	1978.3	1895.4	112.64	2.6250	3.914
	18.00	1979.6	1896.7	112.82	2.4444	3.919
	20.00	1981.1	1898.2	113.18	2.3000	3.925
	22.00	1982.0	1899.1	113.54	2.1818	3.928
	24.00	1982.7	1899.8	113.90	2.0833	3.931
	26.00	1983.5	1900.6	114.26	2.0000	3.934
	28.00	1984.4	1901.5	114.62	1.9286	3.938
	30.00	1983.8	1900.9	114.80	1.8667	3.935
	32.00	1984.5	1901.6	115.34	1.8125	3.938
	34.00	1985.3	1902.4	115.70	1.7647	3.941
	36.00	1986.1	1903.2	116.06	1.7222	3.945
	38.00	1987.1	1904.2	116.24	1.6842	3.948
	40.00	1987.7	1904.8	116.60	1.6500	3.951
	42.00	1988.3	1905.4	116.96	1.6190	3.953
	44.00	1989.2	1906.3	117.32	1.5909	3.957
	46.00	1989.7	1906.8	117.68	1.5652	3.959
	48.00	1990.5	1907.6	117.86	1.5417	3.962
	50.00	1990.9	1908.0	118.22	1.5200	3.964
	52.00	1991.8	1908.9	118.58	1.5000	3.967
	54.00	1992.3	1909.4	118.76	1.4815	3.969
	56.00	1992.9	1909.9	119.12	1.4643	3.971
	58.00	1993.4	1910.4	119.30	1.4483	3.973
***** End Shut-in 1	60.00	1993.9	1911.0	119.48	1.4333	3.976
***** Start Flow 2	0.00	69.3	0.0	117.14		
	2.00	71.5	2.2	112.82		
	4.00	73.5	4.2	109.04		
	6.00	75.2	5.9	105.62		
	8.00	76.0	6.7	102.74		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

DATE: 09/09/95 TIME: 16:47:47

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
10.00	76.8	7.5	100.22		
12.00	77.5	8.1	97.70		
14.00	78.1	8.8	95.54		
16.00	78.5	9.1	93.20		
18.00	78.4	9.1	91.22		
20.00	78.5	9.2	89.42		
22.00	78.9	9.6	87.62		
24.00	79.0	9.7	86.00		
26.00	79.2	9.9	84.56		
28.00	79.4	10.1	83.12		
30.00	79.5	10.2	81.86		
32.00	79.7	10.4	80.60		
34.00	79.7	10.4	79.52		
36.00	80.3	11.0	78.44		
38.00	80.1	10.7	77.54		
40.00	80.5	11.2	76.64		
42.00	80.6	11.3	75.74		
44.00	80.4	11.1	75.02		
46.00	81.0	11.7	74.30		
48.00	81.0	11.7	73.76		
50.00	81.2	11.9	73.22		
52.00	81.7	12.4	72.68		
54.00	81.7	12.3	72.14		
56.00	82.4	13.1	71.60		
***** End Flow 2	58.00	82.6	13.3	71.24	
***** Start Shutin 2	0.00	82.6	0.0	71.24	0.0000
	2.00	1739.6	1657.0	72.86	43.0000
	4.00	1918.2	1835.6	79.16	22.0000
	6.00	1941.2	1858.6	84.02	15.0000
	8.00	1949.9	1867.3	86.72	11.5000
	10.00	1955.3	1872.7	87.98	9.4000
	12.00	1958.6	1876.0	88.70	8.0000
	14.00	1961.1	1878.6	89.06	7.0000
	16.00	1963.2	1880.7	89.42	6.2500
	18.00	1964.8	1882.2	89.60	5.6667
	20.00	1966.4	1883.8	89.96	5.2000
	22.00	1967.8	1885.3	90.14	4.8182
	24.00	1969.1	1886.5	90.68	4.5000
	26.00	1970.9	1888.3	91.22	4.2308
	28.00	1972.0	1889.5	91.76	4.0000
	30.00	1973.5	1890.9	92.30	3.8000
	32.00	1975.2	1892.7	92.84	3.6250
	34.00	1976.7	1894.2	93.56	3.4706
	36.00	1977.9	1895.3	94.10	3.3333
	38.00	1979.5	1896.9	94.82	3.2105
	40.00	1980.8	1898.2	95.54	3.1000
	42.00	1981.8	1899.2	96.08	3.0000
	44.00	1983.2	1900.6	96.80	2.9091
	46.00	1984.4	1901.8	97.34	2.8261
	48.00	1985.3	1902.7	97.88	2.7500
	50.00	1986.4	1903.8	98.60	2.6800

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

DATE: 09/09/95 TIME: 16:47:47

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
52.00	1987.4	1904.8	99.14	2.6154	3.950	
54.00	1988.7	1906.2	99.68	2.5556	3.955	
56.00	1989.8	1907.2	100.22	2.5000	3.959	
58.00	1990.4	1907.8	100.76	2.4483	3.962	
60.00	1991.3	1908.7	101.30	2.4000	3.965	
62.00	1992.2	1909.6	101.84	2.3548	3.969	
64.00	1993.1	1910.5	102.20	2.3125	3.972	
66.00	1993.8	1911.2	102.74	2.2727	3.975	
68.00	1994.5	1912.0	103.28	2.2353	3.978	
70.00	1995.2	1912.6	103.64	2.2000	3.981	
72.00	1996.1	1913.6	104.18	2.1667	3.985	
74.00	1996.6	1914.0	104.54	2.1351	3.986	
76.00	1997.5	1914.9	105.08	2.1053	3.990	
78.00	1998.1	1915.6	105.44	2.0769	3.993	
80.00	1998.6	1916.1	105.80	2.0500	3.995	
82.00	1999.0	1916.4	106.16	2.0244	3.996	
84.00	1999.8	1917.2	106.52	2.0000	3.999	
86.00	2000.0	1917.4	106.88	1.9767	4.000	
88.00	2000.7	1918.2	107.24	1.9545	4.003	
90.00	2001.3	1918.8	107.60	1.9333	4.005	
92.00	2001.5	1918.9	107.96	1.9130	4.006	
94.00	2001.9	1919.3	108.32	1.8936	4.008	
96.00	2002.3	1919.8	108.68	1.8750	4.009	
98.00	2002.8	1920.2	108.86	1.8571	4.011	
100.00	2003.3	1920.8	109.22	1.8400	4.013	
102.00	2003.5	1920.9	109.58	1.8235	4.014	
104.00	2004.1	1921.5	109.76	1.8077	4.016	
106.00	2004.3	1921.7	110.12	1.7925	4.017	
108.00	2004.5	1921.9	110.30	1.7778	4.018	
110.00	2004.9	1922.3	110.66	1.7636	4.019	
112.00	2005.4	1922.8	110.84	1.7500	4.021	
114.00	2005.4	1922.9	111.20	1.7368	4.022	
116.00	2005.7	1923.1	111.38	1.7241	4.023	
118.00	2006.0	1923.4	111.74	1.7119	4.024	
**** End Shut-in 2	120.00	2006.3	1923.7	111.92	1.7000	4.025

**** Final Hydro. 390.00 2651.2 0.0 116.06

GAS RECOVERY

COMPANY: Quinque Operation Co

DATE: 9-9-95

WELL NAME: Adams

KB Elev: 0.00

ft TICKET #8237

DST #4

WELL LOCATION: 33-34S-30W, Meade Cty, KS

GR Elev: 2495.00

ft FORMATION: Morrow "B"

INTERVAL Fr.: 5716.00 To 5743.00 T.D.: 5743.00 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)
5	0.75	8	0	227000.0
10	0.75	12	0	288000.0
15	0.75	16	0	344000.0
20	0.75	19	0	384000.0
25	0.75	21	0	411000.0
30	0.75	22	0	424000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	17	0	357000.0
10	0.75	22	0	424000.0
15	0.75	25	0	461000.0
20	0.75	26	0	473000.0
25	0.75	27	0	497000.0
30	0.75	28	0	497000.0
40	0.75	29	0	510000.0
45	0.75	29	0	510000.0
50	0.75	30	0	522000.0
60	0.75	30	0	522000.0

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:	950469	Analyzed:	09/10/95
Sample From:	Adams 1-33 DST 4	Pressure:	
Producer:	Quinque Operating Co.	Temperature:	
Date:		Location:	33-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:	Second Opening	Formation:	Morrow 'B'

		Mole %	GPM
Helium	He:	0.127	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	2.930	0.000
Carbon Dioxide	CO2:	0.188	0.000
Methane	C1:	85.526	0.000
Ethane	C2:	5.493	1.469
Propane	C3:	3.326	0.916
Iso Butane	iC4:	0.491	0.161
Normal Butane	nC4:	0.953	0.300
Iso Pentane	iC5:	0.244	0.089
Normal Pentane	nC5:	0.248	0.090
Hexanes Plus	C6+:	0.474	0.207

TOTAL:	100.000	3.233
Z Fact:	0.9972	
SP.GR.:	0.6711	
BTU (SAT):	1121.7 @	14.73 psia
BTU (DRY):	1141.5 @	14.73 psia
OCTANE RATING:	121.8	

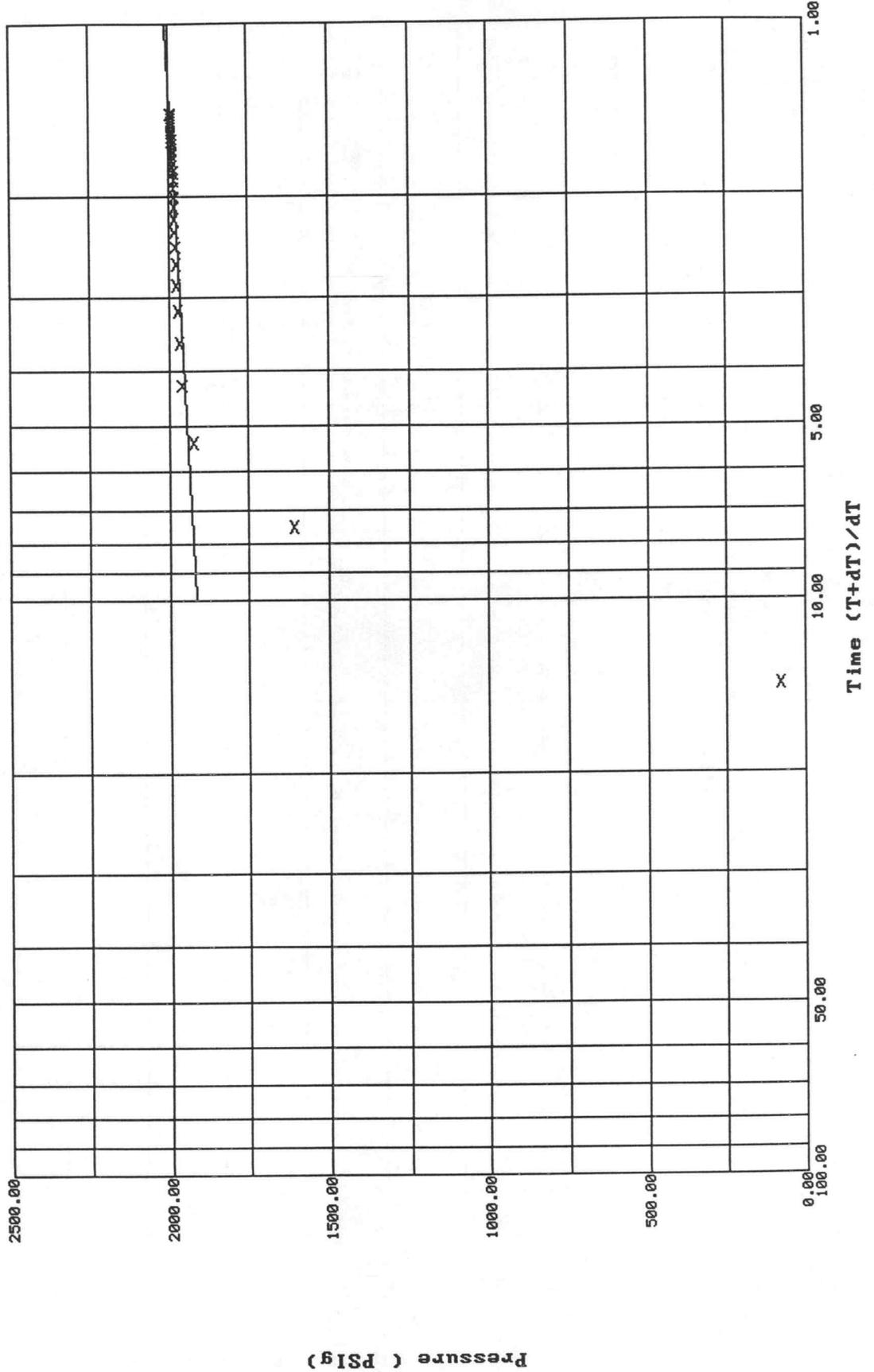
 COMMENTS:

Horner Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

Slope: 92.8049 PSig/cycle

Ext. Pressure: 2008.0713 PSig

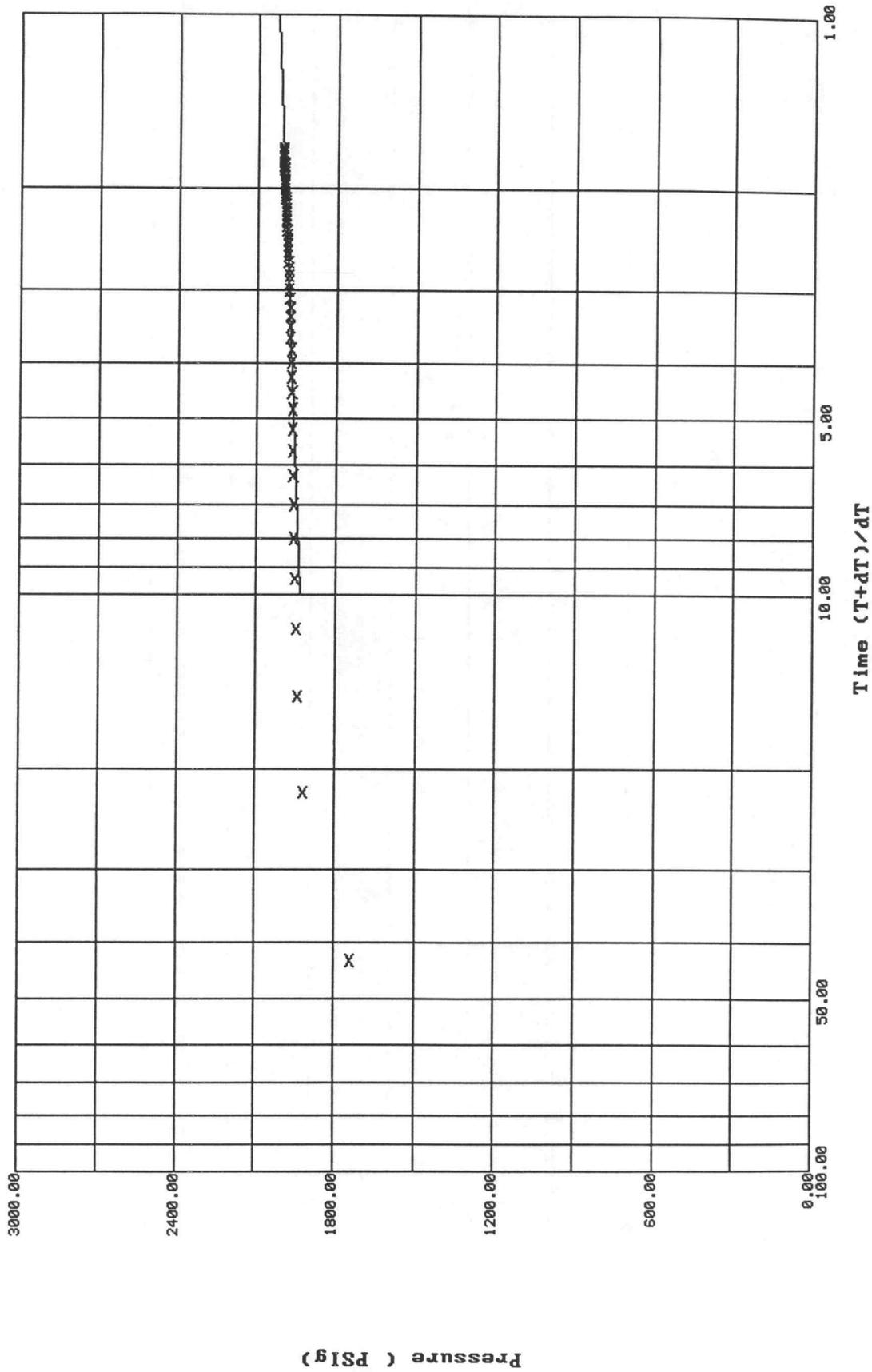


Horner Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237

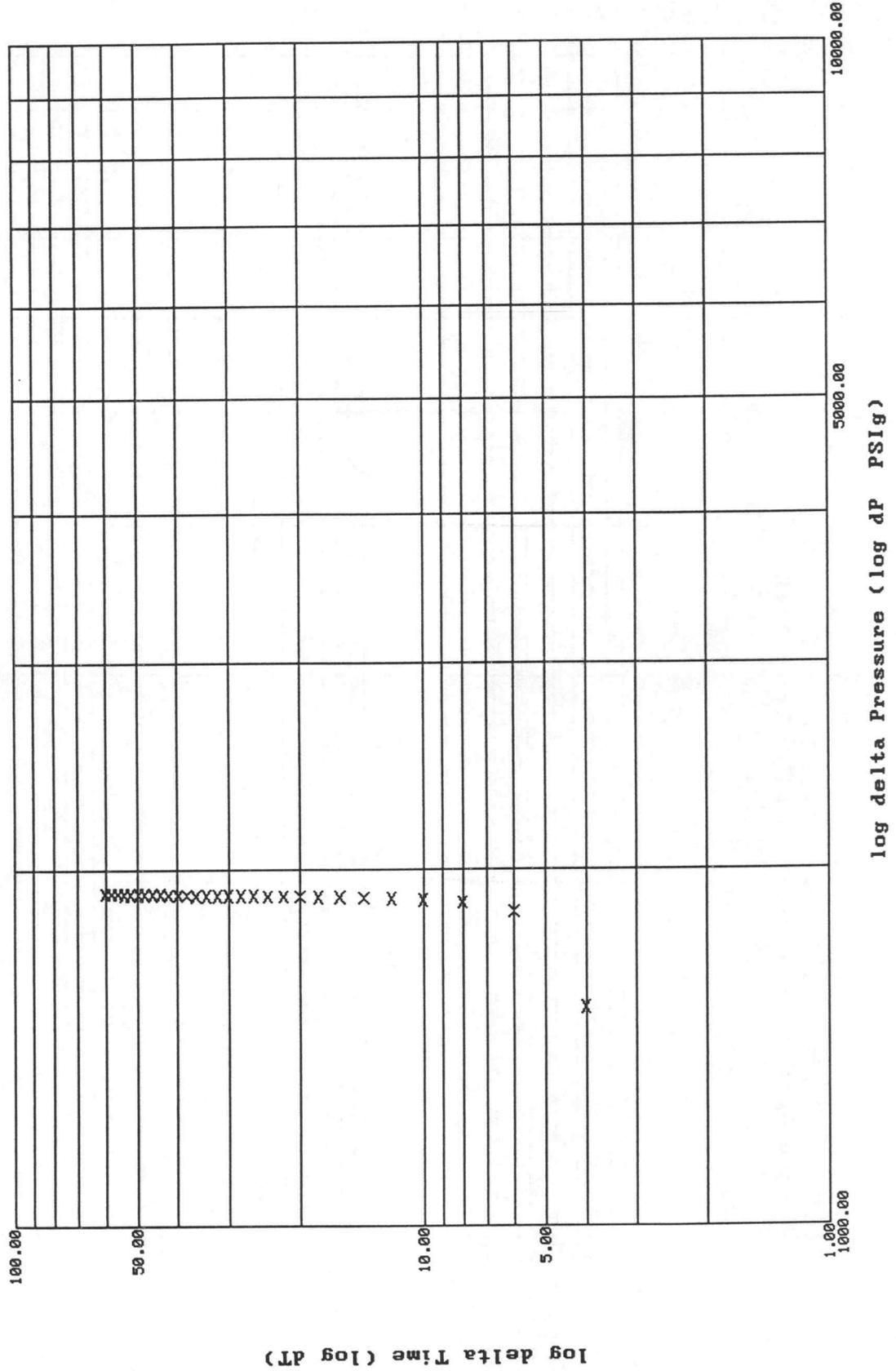
Slope: 94.1165 PSig/cycle

Ext. Pressure: 2028.0669 PSig



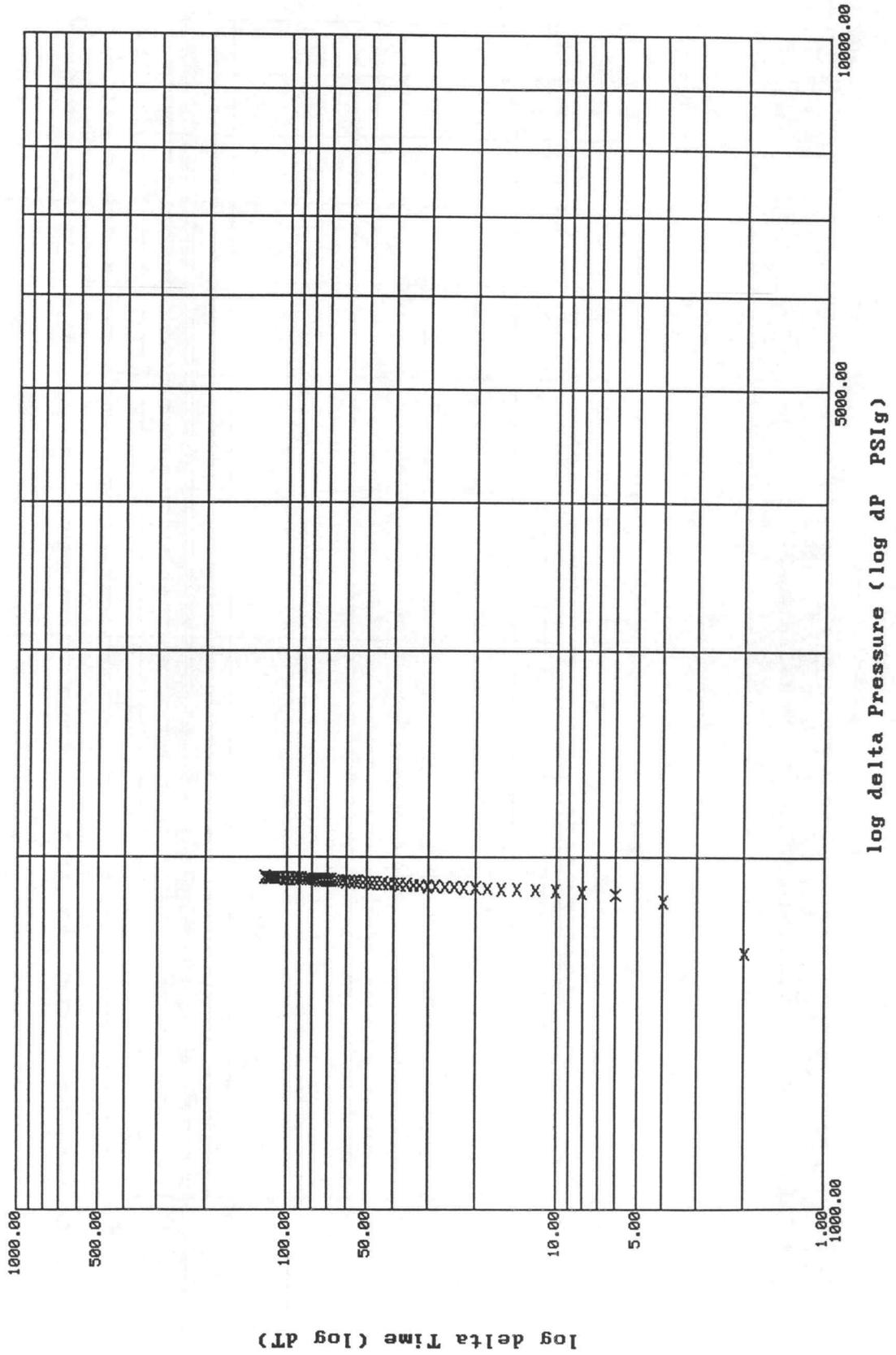
McKinley Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237



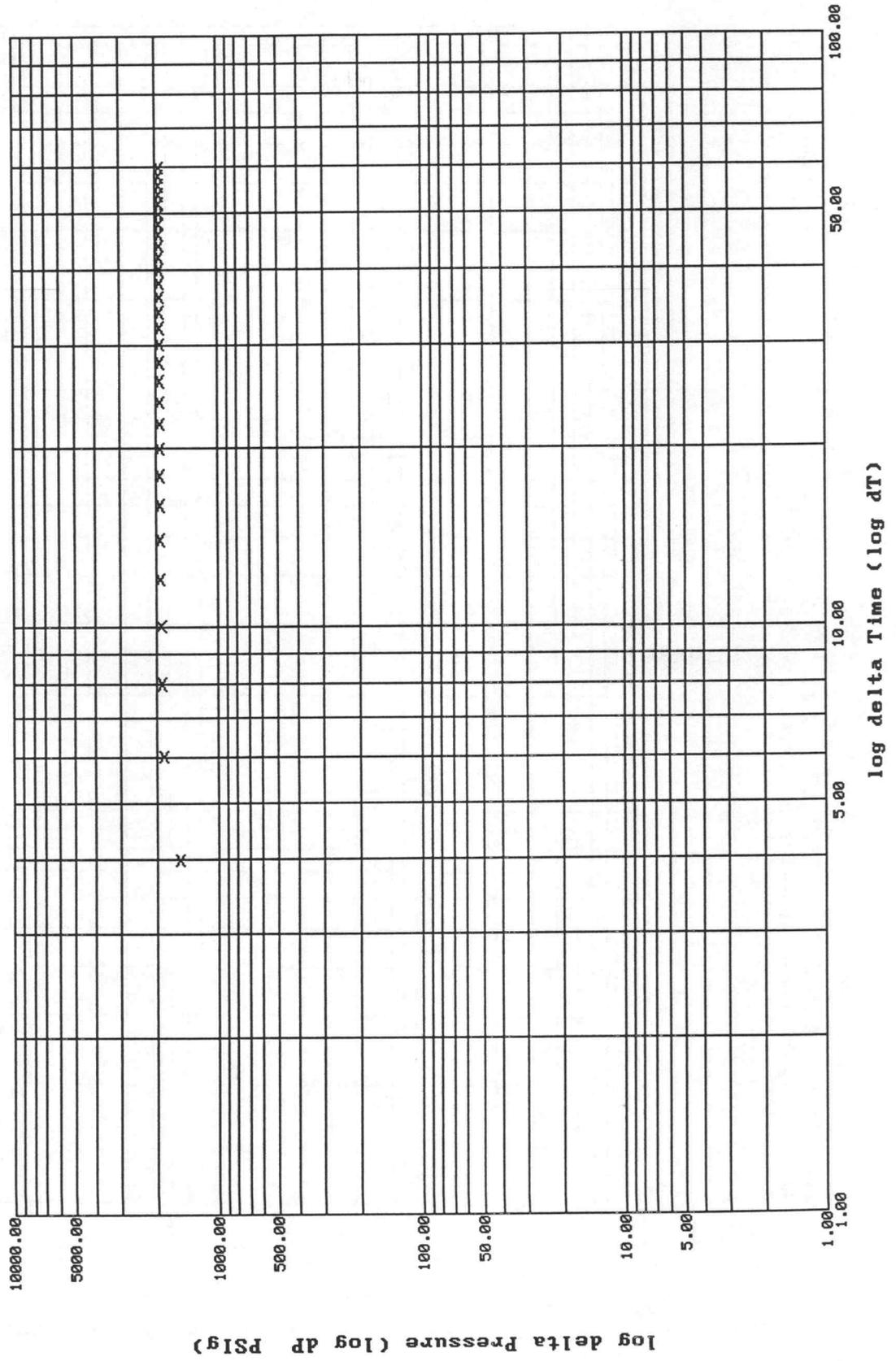
McKinley Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237



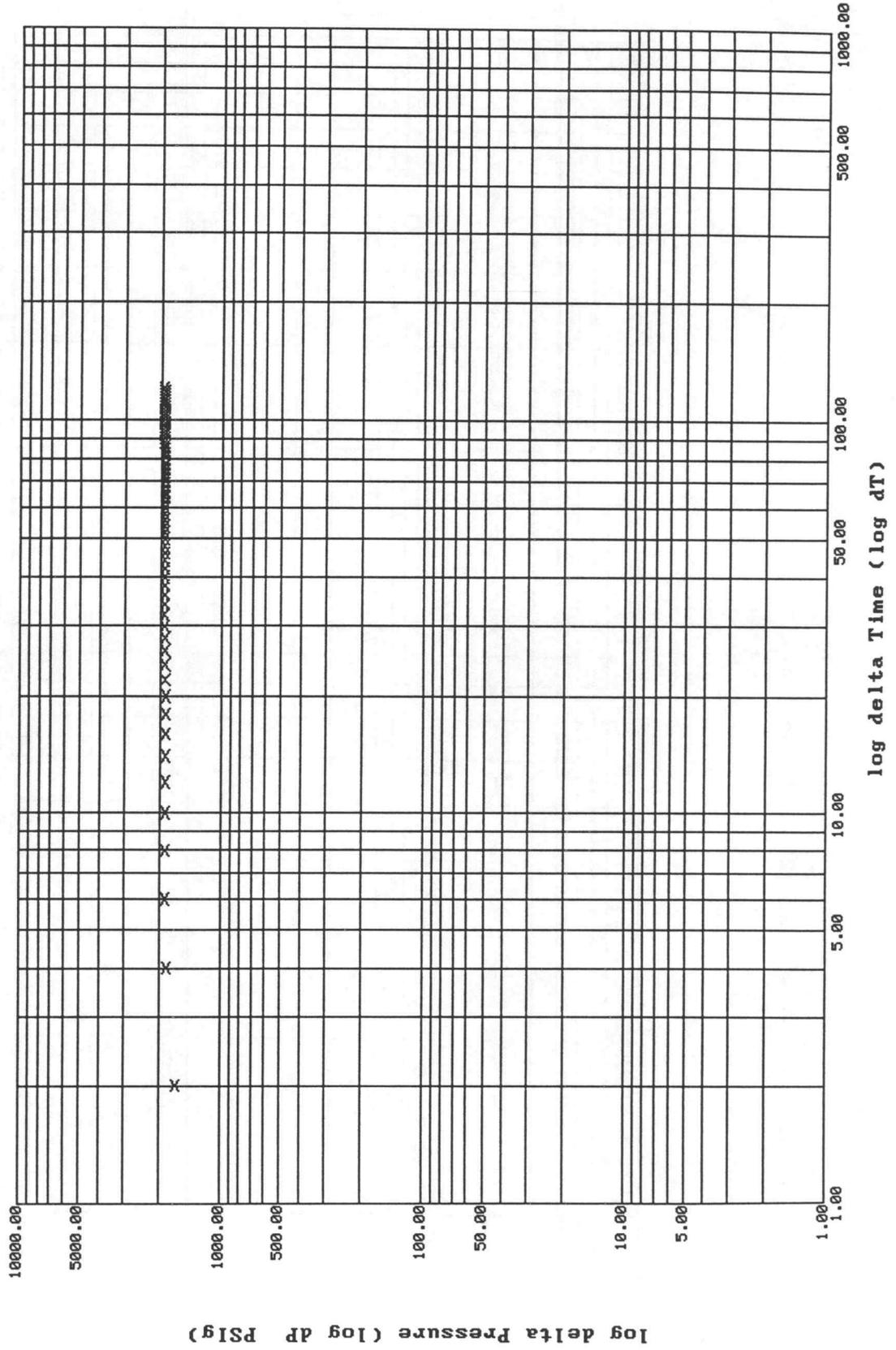
Ramey Plot: shut-in #1

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237



Ramey Plot: shut-in #2

Quinque Oper. Comp. Adams#1-33 DST#4 Ticket#8237



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8237

Well Name & No. <u>Adams #1-33</u>	Test No. <u>4</u>	Date <u>9-9-95</u>					
Company <u>Quinque Operating Company</u>	Zone Tested <u>Morrow "B"</u>						
Address <u>Box 2738 Liberal KS. 67905</u>	Elevation <u>2495 (GR)</u>						
Co. Rep./Geo. <u>Tim Hedrick</u>	Cont. <u>Beredco Rig #4</u>	Est. Ft. of Pay <u>311</u>					
Location: Sec. <u>33</u>	Twp. <u>34</u>	Rge. <u>30</u>	Co. <u>Meads</u>	State <u>Kansas</u>			
No. of Copies <u>6</u>	Distribution Sheet	Yes <u>X</u>	No <u> </u>	Turnkey <u>X</u>	Yes <u> </u>	No <u> </u>	Evaluation

Interval Tested <u>5716 - 5743</u>	Drill Pipe Size <u>4 1/2 X-Hole</u>
Anchor Length <u>27'</u>	Top Choke - 1" <u> </u> Bottom Choke - 3/4" <u> </u>
Top Packer Depth <u>5711</u>	Hole Size - 7 7/8" <u> </u> Rubber Size - 6 3/4" <u> </u>
Bottom Packer Depth <u>5716</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u> </u>
Total Depth <u>5734</u>	Drill Collar - 2.25 Ft. Run <u>620'</u>
Mud Wt. <u>8.8</u> lb/gal.	Viscosity <u>50</u> Filtrate <u>8.4</u>
Tool Open @ <u>7:47pm</u>	Initial Blow <u>Very strong blow B.B. 30 sec. G.T.S. 5 min (MCF @ 424)</u>
<u>I.S.I Bld off 2in Took 20min. No blow back</u>	
Final Blow <u>Very Strong blow B.B. soon as open Took. (MCF @ 522)</u>	
<u>F.S.I Bld off 2in Took 13min. No blow back</u>	

Recovery - Total Feet <u>0</u>	Feet of Gas in Pipe <u> </u>	Flush Tool? <u>NO</u>
Rec. <u> </u> Feet Of <u>Mud Top. Shut in Tool</u>	%gas <u> </u> %oil <u> </u> %water <u>100</u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	

BHT <u> </u> °F Gravity <u> </u> °API @ <u> </u> °F Corrected Gravity <u> </u> °API
RW <u> </u> @ <u> </u> °F Chlorides <u> </u> ppm Recovery Chlorides <u>2600</u> ppm System
(A) Initial Hydrostatic Mud <u>Alpac 2736</u> PSI AK1 Recorder No. <u>Alpac</u> Range <u>6,300</u>
(B) First Initial Flow Pressure <u>63</u> PSI @ (depth) <u>5720</u> w/Clock No. <u>Electronic</u>
(C) First Final Flow Pressure <u>82</u> PSI AK1 Recorder No. <u>13255</u> Range <u>6,300</u>
(D) Initial Shut-In Pressure <u>1993</u> PSI @ (depth) <u>5740</u> w/Clock No. <u>25113</u>
(E) Second Initial Flow Pressure <u>69</u> PSI AK1 Recorder No. <u> </u> Range <u> </u>
(F) Second Final Flow Pressure <u>82</u> PSI @ (depth) <u> </u> w/Clock No. <u> </u>
(G) Final Shut-In Pressure <u>2006</u> PSI Initial Opening <u>30min</u> Test <input checked="" type="checkbox"/> <u>700</u>
(H) Final Hydrostatic Mud <u>2651</u> PSI Initial Shut-In <u>60min</u> Jars <input checked="" type="checkbox"/> <u>200</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.

Final Flow <u>60min</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
Final Shut-In <u>120min</u>	Straddle <u> </u>
	Circ. Sub <input checked="" type="checkbox"/> <u>N/C</u>
	Sampler <u> </u>

Approved By [Signature]
Our Representative [Signature]

Extra Packer
Other Elct. Recorder 150
TOTAL PRICE \$ 1100

