

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

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address 151 N. MAIN, SUITE 630

City/State/Zip WICHITA, KS 67202-1407

Purchaser: N/A

Operator Contact Person: ALBERT BRENSING

Phone (316) 265-2279

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: HAROLD TRAPP

Designate Type of Completion

New Well Re-Entry Workover

Oil SHD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: RELEASED

Well Name: SEP 25 1996

Comp. Date Old Total Depth

Deepening Re-perf. Plug Back Commingled Dual Completion Other (SWD or Inj?)

Docket No. Docket No. Docket No.

Docket No. Docket No. Docket No.

Docket No. Docket No. Docket No.

11-04-96 11-17-96 11-17-96

Spud Date Date Reached TD Completion Date

API No. 15- 119-209710000 ORIGINAL

County MEADE

 C SW Sec. 17 Twp. 32S Rge. 30 X W

1320 Feet from S (circle one) Line of Section

1320 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)

Lease Name ROEHR Well # 1-17

Field Name WILDCAT

Producing Formation N/A

Elevation: Ground 2769' KB 2774'

Total Depth 5802' PBDT

Amount of Surface Pipe Set and Cemented at 44 JTS @ 1715' KB

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan D&A JH 8-19-97
(Data must be collected from the Reserve Pit)

Chloride content 18,000 ppm Fluid volume 280 bbls

Dewatering method used ALLOW TO DRY THEN BACKFILL

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

 Quarter Sec. Twp. S Rng. E/W

County Docket No.

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

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

Signature: [Signature]

Title ALBERT BRENSING, PRESIDENT Date 12-18-96

Subscribed and sworn to before me this 18TH day of DECEMBER

19 96.

Notary Public [Signature]

Date Commission Expires 04-17-97

12-19-1996

<input checked="" type="checkbox"/>	F	K.C.C. OFFICE USE ONLY
<input checked="" type="checkbox"/>	C	Letter of Confidentiality Attached
<input checked="" type="checkbox"/>	C	Wireline Log Received
<input checked="" type="checkbox"/>	C	Geologist Report Received
<input checked="" type="checkbox"/>	KCC	Distribution
<input type="checkbox"/>	KGS	SWD/Rep' NGPA
<input type="checkbox"/>		Plug Other
		(Specify)



12-19-96

SIDE TWO

CONFIDENTIAL

Operator Name _____ CROSS BAR PETROLEUM, INC. Lease Name _____ ROEHR Well # 1-17

Sec. 17 Twp. 32S Rge. 30 East West County _____ MEADE

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

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

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: DUAL COMPENSATED POROSITY & DUAL INDUCTION, GEOLOGISTS REPORT

Log Formation (Top), Depth and Datums Sample
Name Top Datum

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CONFIDENTIAL

SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	24#	1715' KB	ALLIED LITE COMMON	600 150	3%CC, GEL, FLOSEAL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> PLUGGING Perforate				
<input type="checkbox"/> Protect Casing	0-5802'	60/40 POZMIX	225	6% GEL
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

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

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

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, submit ACO-1B.) Other (Specify)

CONFIDENTIAL

ORIGINAL

Cross Bar #1-17 Roehr
1320' FSL & 1320' FWL 17-T32S-R30W
Meade County, Kansas
KB: 2774' GL: 2769' API: 15-119-20,971

DRILL STEM TESTS

DST #1, 5581-5624', Morrow Sand, 45-60-60-120, 1st op - OB in 4 min., 2nd op - OB in 1 min. Recovered 270' of gas and water cut mud with a slight oil cut. (16% gas, 24% water, 60% mud). IHP 2762, IFP 48-84, ISIP 1360, FFP 100-136, FSIP 1348, FHP 2605, BHT 126°. Mud: Vis 54, Wt. 9.1, WL 9.8, Ph 9.8, Chl 4,000, LCM 1#.

DST #2, 5610-5634', Morrow Sand, 45-60-45-90, 1st op - OB in 1 min, 2nd op - OB in 16 mins., Recovered 1710' gas in pipe, 30' SO&GCWM (8% G, 2% O, 3% W, 60% M), 120' G&OCMW (5% O, 25% G, 25% M, 50% W), 180' SMCW with film of oil (10% M, 90% W), Chlorides 92,000 ppm. IHP 2732, IFP 42-124, ISIP 1424, FFP 38-185, FSIP 1419, FHP 2603, BHT 126°.

DST #3, 5592-5620', Morrow, 60-60-90-120, 1st op - OB in 7 mins., 2nd op - OB in 4 mins. Recovered 4230' of gas in pipe, 30' of watery mud with a film of oil (15% W, 85% M), 120' of gas and saltwater cut mud with a film of oil (15% G, 25% W, 60% M), and 120' of slight gas and mud cut saltwater (5% G, 25% M, 70% SW), IHP 2889, IFP 30-92, ISIP 1359, FFP 91-140, FSIP 1360, FHP 2605, BHT 126°, Chl 62,000 ppm.

LOG TOPS

	DEPTH	SUBSEA
KRIDER	2737	+37
COUNCIL GROVE	2879	-105
DEER CREEK	4253	-1479
HEEBNER	4385	-1611
LANSING	4508	-1734
JUDY	4784	-2010
HODGES	5028	-2254
BASE / KANSAS CITY	5108	-2334
MARMATON	5123	-2349
PAWNEE	5257	-2483
CHEROKEE SHALE	5298	-2524
ATOKA	5488	-2714
MORROW SHALE	5607	-2833
MORROW SAND	5610	-2836
CHESTER	5647	-2873
B / CHESTER	NP	
STE. GENEVIEVE	NP	
ST. LOUIS POROSITY	NP	
RTD	5800	-3026
LTD	5802	-3028

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

KCC

DEC 18

CONFIDENTIAL

KANSAS DEPT. OF REVENUE
REC'D
DEC 19 4 1998

TELEPHONE:

AREA CODE 913 483-2627
AREA CODE 913 483-3887

A IED CEMENTING COMPANY NC.

P. O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED NOV 15 1996

ORIGINAL

TO: Cross Bar Petroleum, Inc.

INVOICE NO. 73764

151 N. Main, #630

CONFIDENTIAL

PURCHASE ORDER NO. _____

Wichita, KS 67202-1407

LEASE NAME Roehr 1-17

DATE 11-5-96

SERVICE AND MATERIALS AS FOLLOWS:

Common 150 sks @\$7.20	\$1,080.00	
Gel 3 sks @\$9.50	28.50	
Chloride 25 sks @\$28.00	700.00	
ALW 600 sks @\$6.65	3,990.00	
FloSeal 150# @\$1.15	<u>172.50</u>	\$5,971.00

Handling 750 ssk @\$1.05	787.50	
Mileage (50) @\$.04¢ per sk per mi	1,500.00	
Surface	1,030.00	
Mi @\$2.85 pmp tkr chg (18)	51.30	
1 plug	<u>90.00</u>	3,458.80

1 Texas Pattern Guide Shoe---	\$286.00	
3 Centralizers-----	183.00	
1 AFU Insert-----	358.00	
1 Basket-----	<u>200.00</u>	1,027.00

If Account CURRENT a
Discount of \$ 1,568.52
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Total		\$10,456.80
4030-15	1,027.-	
4010-25	7,861.28	

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

KCC
DEC 18
CONFIDENTIAL

RELEASED
SEP 25 1998
FROM CONFIDENTIAL

FOR FILE 19 A 1-113
KANSAS CENTRALIZER
KANSAS CENTRALIZER

ALLIED CEMENTING CO., INC.

6202

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

CONFIDENTIAL

SERVICE POINT: Med Lodge

DATE <u>11-5-96</u>	SEC. <u>17</u>	TWP. <u>32W</u>	RANGE <u>30 W</u>	CALLED OUT <u>4:00pm</u>	ON LOCATION <u>7:45pm</u>	JOB START <u>2:00am</u>	JOB FINISH <u>3:45 AM</u>
LEASE <u>Roehr</u>	WELL # <u>1-17</u>	LOCATION <u>Plains 1/2W-1/4N-3/4 W-N-LOC</u>			COUNTY <u>Meade</u>	STATE <u>Ks.</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				NLL			

CONTRACTOR Abercrombie #4

TYPE OF JOB Surface Casing

HOLE SIZE 12 1/4 T.D. 1718'

CASING SIZE 8 5/8 DEPTH ~~1717~~ 1706

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1000 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 41.22

CEMENT LEFT IN CSG. 41.22

PERFS. _____

OWNER DEC 18

CONFIDENTIAL CEMENT

AMOUNT ORDERED 600 sx 6.5/3.5 6.2 gel

3% CC, - 1/4# Flow seal Per 5x.

150 sx Class A - 2.2 gel - 3% CC.

COMMON	<u>150</u>	@	<u>7.20</u>	<u>1080.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>25</u>	@	<u>28.00</u>	<u>700.00</u>
ALW	<u>600</u>	@	<u>6.65</u>	<u>3990.00</u>
FR - SEAL	<u>150#</u>	@	<u>1.15</u>	<u>172.50</u>
		@		
		@		
HANDLING	<u>750</u>	@	<u>1.05</u>	<u>787.50</u>
MILEAGE	<u>250 x 50</u>	@	<u>.04</u>	<u>1500.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Allen Drake

233-302 HELPER Justin Hart

BULK TRUCK

259-314 DRIVER John K.

BULK TRUCK

256-257 DRIVER James H

SEP 25 1998 TOTAL \$8258.50

REMARKS:

Displacement w/line loss 109.84 BBL.

Cement Ord Circ w/ 45 BBL.

Displacement Gone - Landed Plus

Float Did Hold

Thank

404

FROM CONFIDENTIAL SERVICE

DEPTH OF JOB 1706'

PUMP TRUCK CHARGE _____ 1030.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 18 @ 2.85 51.30

PLUG 2 1/8" TRP @ 90.00 90.00

_____ @ _____

_____ @ _____

TOTAL \$1171.30

CHARGE TO: Cross Bar Petroleum

STREET 151 N. MAIN, #630

CITY WECHITA STATE KANSAS ZIP 67202

FLOAT EQUIPMENT

1-8 5/8 Tx Ret. G.S.	@	<u>236.00</u>	<u>236.00</u>
3-8 5/8 Cent	@	<u>61.00</u>	<u>183.00</u>
1-8 5/8 AFU Insert	@	<u>358.00</u>	<u>358.00</u>
1-8 5/8 Basket	@	<u>200.00</u>	<u>200.00</u>
	@		

TOTAL \$1027.00

TAX _____

TOTAL CHARGE \$10456.80

DISCOUNT \$1568.52 IF PAID IN 30 DAYS

NET \$8888.28

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Harry Fisher

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

RECEIVED DEC - 9 1996

TO: Cross Bar Petroleum Inc.
151 N. Main #630
Wichita, Ks. 67202

ORIGINAL

INVOICE NO. 73905A
PURCHASE ORDER NO. _____
LEASE NAME Roehr #1-17
DATE Nov. 17, 1996

SERVICE AND MATERIALS AS FOLLOWS:

Common 135 sks. @\$7.20	\$ 972.00
Pozmix 90 sks. @\$3.15	283.50
Gel 12 sks. @\$9.50	114.00
Flo seal 56#@ \$1.15	64.40
Handling 225 sks. @\$1.05	236.25
Mileage (50) @\$0.04¢ per sk per mi	450.00
Plugging	550.00
Mi @\$2.85 pmp. trk. (18)	51.30
1 plug	93.00

CONFIDENTIAL

\$ 1,433.90

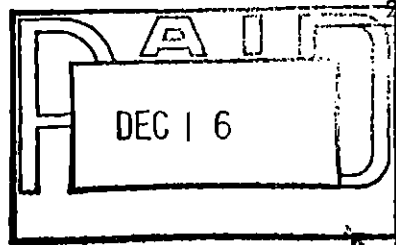
NOV
DEC 1 8
CONFIDENTIAL

\$ 1,310.55

Total

\$ 2,744.45

If Account CURRENT a
Discount of \$ 411.67
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.



ENTERED DEC - 9 1996

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

RELEASED
SEP 25 1998
FROM CONFIDENTIAL

ALLIED CEMENTING CO., INC.

6081

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

CONFIDENTIAL

SERVICE POINT: Wesley

DATE <u>11-17-96</u>	SEC. <u>17</u>	TWP. <u>32</u>	RANGE <u>30</u>	CALLED OUT <u>11:00PM</u>	ON LOCATION <u>3:30AM</u>	JOB START <u>6:00AM</u>	JOB FINISH <u>11:30AM</u>
LEASE <u>Rocky</u>	WELL # <u>1-17</u>	LOCATION <u>Plains #10-36</u>			COUNTY <u>Neosho</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one) NEW

CONTRACTOR Alexander

TYPE OF JOB R. Plug

HOLE SIZE 7 7/8" T.D. 5800

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" DEPTH 3400

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER DEC 18 Same

CEMENT

CONFIDENTIAL

AMOUNT ORDERED 22560/40678 # FLO Seal

COMMON	<u>135</u>	@	<u>7.20</u>	<u>972.00</u>
POZMIX	<u>90</u>	@	<u>3.15</u>	<u>283.50</u>
GEL	<u>12</u>	@	<u>9.50</u>	<u>114.00</u>
CHLORIDE		@		
<u>Flo Seal 56 #</u>		@	<u>1.15</u>	<u>64.40</u>
		@		
		@		
		@		
		@		
HANDLING	<u>225</u>	@	<u>1.05</u>	<u>236.25</u>
MILEAGE	<u>50</u>			<u>450.00</u>
TOTAL				<u>2120.15</u>

EQUIPMENT

PUMP TRUCK CEMENTER Mike

224 HELPER Bob

BULK TRUCK

116 DRIVER DeWayne

BULK TRUCK

_____ DRIVER _____

REMARKS:

1st Plug at 3400 w/ 100 SKs

2nd Plug at 1730 w/ 50 SKs

3rd Plug at 860 w/ 50 SKs

4th Plug at 40 w/ 10 SKs

Rot Hole w/ 15 SKs

Shank work

Allied Cementing

Mike, Bob, DeWayne

SERVICE

DEPTH OF JOB 3400'

PUMP TRUCK CHARGE _____ 550.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 18 @ 2.85 51.30

PLUG 1-8 3/4" old hole @ 23.00 23.00

_____ @ _____

_____ @ _____

TOTAL 624.30

CHARGE TO: Cross Bar Petroleum Inc.

STREET 151 N. Main #630

CITY Wichita STATE Ks ZIP 67202

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Harry Fisher

TAX - 0 -

TOTAL CHARGE \$ 2744.45

DISCOUNT \$ 411.67 IF PAID IN 30 DAYS

Net \$ 2332.78

ORIGINAL

15-119-20971

CONFIDENTIAL

WELL NAME: Roehr #1-17
COMPANY: Cross Bar Petroleum Inc.
LOCATION: Sec. 17 Twp. 32s Rge. 30w
Meade County Kansas
DATE: 11-20-96

DEC 16
CONFIDENTIAL

RELEASED
SEP 25 1998
FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet. Inc.

DATE 11-13-96

WELL NAME: Roehr #1-17

KB 2774.00 ft

TICKET NO: 9079 DST #1

LOCATION : 17-32S-30W

GR 2769.00 ft

FORMATION: Morrow

INTERVAL : 5581.00 To 5624.00 ft

TD 5624.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	2836	2836	2351			PF Fr. 0119 to 0204 hr
SI 60 Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 0204 to 0304 hr
SF 60 Clock(hrs)	12HR.	12HR.	elec.			SF Fr. 0304 to 0404 hr
FS 120 Depth(ft)	5621.0	5621.0	5584.0	0.0	0.0	FS Fr. 0404 to 0604 hr

	Field	1	2	3	4	
A. Init Hydro	2713.0	2709.0	2762.0	0.0	0.0	T STARTED 2220 hr
B. First Flow	77.0	88.0	48.0	0.0	0.0	T ON BOTM 0116 hr
Bl. Final Flow	77.0	84.0	84.0	0.0	0.0	T OPEN 0119 hr
C. In Shut-in	1290.0	1291.0	1360.0	0.0	0.0	T PULLED 0604 hr
D. Init Flow	102.0	124.0	100.0	0.0	0.0	T OUT 0915 hr
E. Final Flow	136.0	141.0	136.0	0.0	0.0	
F. Fl Shut-in	1282.0	1286.0	1348.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2558.0	2572.0	2605.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 75000.00 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 0.00 ft
						D.P. Length 5570.00 ft
						H.W. I.D 2.70 in
						H.W. Length 285.00 ft

RECOVERY

Tot Fluid 270.00 ft of 0.00 ft in DC and 270.00 ft in DP
 30.00 ft of 100% Drlg. Mud
 0.00 ft of
 60.00 ft of Slightly watery mud w/film oil 20%w 80%
 0.00 ft of
 120.00 ft of water & gas cut mud with film oil 25%gas
 0.00 ft of 25%water 50%
 60.00 ft of slightly gas cut muddy water 5%gas 60%water
 0.00 ft of 35%Mud
 SALINITY 62000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Strong blow - bottom of bucket
 in 4 min.

Initial Shut-in -
 Bled of 2" - no blow back

Final Flow -
 Strong blow - bottom of bucket in
 1 min.

Final Shut-in -
 Bled off 2" - no blow back

SAMPLES: No

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/
Vis.	54.00 S/I
W.L.	9.80 in3
F.C.	0.00 in
Mud Drop Y	25.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 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.	Harold Trapp
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Roehr #1-17

LOCATION : 17-32S-30W

TICKET No. 9079 D.S.T. No. 1 DATE

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 43

TOTAL TOOL 71

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.Stands Single Total

D.P. ABOVE TOOLS.Stands89 Single Total 5570

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5641

TOTAL DEPTH 5624

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

P.O. SUB	
C.O. SUB	5554
S.I. TOOL Shutin tool	5560
HMV Hydraulic Tool	5565
JARS	5570
SAFETY JOINT	5572
PACKER	5576
PACKER	5581
DEPTH 5581	5581
STUBB	5582
ANCHOR	
Alpine Recorder	5584
6' pickup sub	5588
25' perfs	5613
4' perf	5617
T.C.	
DEPTH	
3' perf	5620
AK-1 Recorder	5621
1" C.O. sub	5621
BULLNOSE	
T.D. 3'	5624

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	166.00	2762.2	0.0	109.88		
***** Start Flow 1	0.00	48.8	0.0	110.31		
	1.00	34.6	-14.2	110.53		
	2.00	37.5	-11.3	110.93		
	3.00	39.2	-9.6	111.41		
	4.00	39.5	-9.3	111.88		
	5.00	41.0	-7.8	112.30		
	6.00	45.1	-3.7	112.66		
	7.00	43.7	-5.1	112.97		
	8.00	42.6	-6.2	113.24		
	9.00	46.0	-2.8	113.46		
	10.00	46.0	-2.8	113.64		
	11.00	48.7	-0.1	113.78		
	12.00	48.2	-0.6	113.90		
	13.00	50.3	1.5	114.02		
	14.00	50.7	1.9	114.11		
	15.00	51.9	3.1	114.20		
	16.00	54.0	5.1	114.27		
	17.00	54.9	6.1	114.34		
	18.00	55.7	6.8	114.41		
	19.00	56.6	7.8	114.46		
	20.00	59.5	10.7	114.52		
	21.00	59.5	10.7	114.56		
	22.00	60.3	11.5	114.59		
	23.00	62.4	13.6	114.63		
	24.00	63.0	14.2	114.66		
	25.00	64.9	16.1	114.69		
	26.00	66.0	17.2	114.73		
	27.00	66.9	18.0	114.78		
	28.00	68.5	19.6	114.82		
	29.00	69.0	20.2	114.88		
	30.00	69.9	21.1	114.98		
	31.00	71.8	23.0	115.08		
	32.00	71.9	23.1	115.19		
	33.00	73.9	25.1	115.26		
	34.00	75.1	26.3	115.35		
	35.00	74.2	25.4	115.44		
	36.00	76.8	28.0	115.54		
	37.00	77.1	28.3	115.64		
	38.00	79.7	30.9	115.75		
	39.00	78.6	29.8	115.87		
	40.00	80.5	31.6	116.01		
	41.00	80.5	31.7	116.16		
	42.00	81.9	33.0	116.30		
	43.00	81.9	33.1	116.44		
	44.00	83.0	34.1	116.57		
***** End Flow 1	45.00	84.4	35.6	116.70		
***** Start Shutin 1	0.00	84.4	0.0	116.70	0.0000	0.007
	1.00	115.5	31.1	116.82	46.0000	0.013
	2.00	158.3	73.9	116.92	23.5000	0.025
	3.00	201.8	117.4	117.02	16.0000	0.041

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
4.00	245.9	161.5	117.10	12.2500	0.060
5.00	290.9	206.5	117.18	10.0000	0.085
6.00	336.5	252.1	117.23	8.5000	0.113
7.00	382.7	298.3	117.30	7.4286	0.146
8.00	429.4	345.0	117.35	6.6250	0.184
9.00	476.4	392.0	117.40	6.0000	0.227
10.00	523.8	439.4	117.44	5.5000	0.274
11.00	571.5	487.1	117.49	5.0909	0.327
12.00	618.7	534.3	117.53	4.7500	0.383
13.00	665.6	581.2	117.57	4.4615	0.443
14.00	711.6	627.2	117.60	4.2143	0.506
15.00	756.7	672.3	117.63	4.0000	0.573
16.00	800.5	716.1	117.66	3.8125	0.641
17.00	842.5	758.1	117.68	3.6471	0.710
18.00	882.7	798.3	117.70	3.5000	0.779
19.00	920.7	836.3	117.72	3.3684	0.848
20.00	956.3	871.9	117.73	3.2500	0.915
21.00	989.7	905.3	117.75	3.1429	0.980
22.00	1020.6	936.2	117.77	3.0455	1.042
23.00	1049.1	964.7	117.79	2.9565	1.101
24.00	1075.3	990.9	117.81	2.8750	1.156
25.00	1099.2	1014.8	117.83	2.8000	1.208
26.00	1121.2	1036.8	117.91	2.7308	1.257
27.00	1141.2	1056.8	117.86	2.6667	1.302
28.00	1159.5	1075.1	117.89	2.6071	1.344
29.00	1176.0	1091.6	117.90	2.5517	1.383
30.00	1191.2	1106.8	117.93	2.5000	1.419
31.00	1205.0	1120.6	117.94	2.4516	1.452
32.00	1217.6	1133.2	117.95	2.4062	1.483
33.00	1229.1	1144.7	117.97	2.3636	1.511
34.00	1239.8	1155.4	117.99	2.3235	1.537
35.00	1249.4	1165.0	118.01	2.2857	1.561
36.00	1258.4	1174.0	118.03	2.2500	1.583
37.00	1266.6	1182.2	118.03	2.2162	1.604
38.00	1274.2	1189.8	118.05	2.1842	1.624
39.00	1281.3	1196.9	118.07	2.1538	1.642
40.00	1287.8	1203.4	118.08	2.1250	1.659
41.00	1293.9	1209.5	118.09	2.0976	1.674
42.00	1299.7	1215.3	118.11	2.0714	1.689
43.00	1305.0	1220.6	118.12	2.0465	1.703
44.00	1310.0	1225.6	118.09	2.0227	1.716
45.00	1314.7	1230.3	118.15	2.0000	1.728
46.00	1319.2	1234.8	118.16	1.9783	1.740
47.00	1323.5	1239.1	118.17	1.9574	1.752
48.00	1327.4	1243.0	118.18	1.9375	1.762
49.00	1331.3	1246.9	118.19	1.9184	1.772
50.00	1334.8	1250.4	118.19	1.9000	1.782
51.00	1338.3	1253.9	118.20	1.8824	1.791
52.00	1341.5	1257.1	118.21	1.8654	1.800
53.00	1344.7	1260.3	118.22	1.8491	1.808
54.00	1347.7	1263.3	118.24	1.8333	1.816

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

	Time	Pressure PSI _g	delta P PSI _g	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	55.00	1350.5	1266.1	118.23	1.8182	1.824
	56.00	1353.3	1268.9	118.25	1.8036	1.831
	57.00	1355.9	1271.5	118.27	1.7895	1.838
	58.00	1358.4	1274.0	118.27	1.7759	1.845
***** End Shut-in 1	59.00	1360.8	1276.4	118.30	1.7627	1.852
***** Start Flow 2	0.00	100.7	0.0	118.26		
	1.00	107.8	7.1	118.30		
	2.00	101.7	1.1	118.36		
	3.00	113.5	12.8	118.41		
	4.00	115.0	14.3	118.43		
	5.00	115.5	14.8	118.55		
	6.00	116.9	16.2	118.63		
	7.00	119.0	18.3	118.71		
	8.00	119.8	19.1	118.80		
	9.00	120.4	19.7	118.88		
	10.00	121.6	20.9	118.96		
	11.00	121.2	20.6	119.04		
	12.00	121.4	20.7	119.11		
	13.00	122.4	21.7	119.17		
	14.00	124.1	23.5	119.24		
	15.00	123.9	23.2	119.30		
	16.00	119.4	18.7	119.36		
	17.00	125.7	25.1	119.42		
	18.00	119.8	19.1	119.47		
	19.00	127.2	26.5	119.52		
	20.00	122.8	22.1	119.57		
	21.00	124.5	23.8	119.62		
	22.00	123.3	22.6	119.66		
	23.00	124.3	23.6	119.70		
	24.00	125.5	24.8	119.75		
	25.00	125.8	25.1	119.78		
	26.00	127.3	26.6	119.82		
	27.00	129.1	28.4	119.86		
	28.00	128.1	27.4	119.88		
	29.00	127.5	26.8	119.94		
	30.00	129.3	28.6	119.97		
	31.00	128.1	27.4	120.00		
	32.00	130.6	29.9	120.05		
	33.00	129.6	28.9	120.08		
	34.00	131.5	30.8	120.12		
	35.00	130.0	29.3	120.15		
	36.00	129.9	29.2	120.19		
	37.00	132.5	31.8	120.23		
	38.00	130.3	29.7	120.26		
	39.00	132.0	31.3	120.29		
	40.00	131.3	30.6	120.32		
	41.00	132.5	31.8	120.35		
	42.00	134.1	33.4	120.38		
	43.00	133.3	32.6	120.41		
	44.00	133.3	32.6	120.44		
	45.00	135.2	34.5	120.48		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	46.00	134.6	33.9	120.51		
	47.00	134.3	33.7	120.54		
	48.00	134.3	33.6	120.58		
	49.00	136.5	35.8	120.61		
	50.00	135.2	34.6	120.64		
	51.00	137.1	36.4	120.68		
	52.00	137.1	36.4	120.72		
	53.00	136.7	36.0	120.75		
***** End Flow 2	54.00	137.7	37.0	120.79		
***** Start Shutin 2	0.00	137.7	0.0	120.79	0.0000	0.019
	1.00	137.6	-0.0	120.83	100.0000	0.019
	2.00	138.3	0.6	120.86	50.5000	0.019
	3.00	160.2	22.5	120.90	34.0000	0.026
	4.00	182.0	44.3	120.94	25.7500	0.033
	5.00	203.9	66.2	120.98	20.8000	0.042
	6.00	225.8	88.1	121.02	17.5000	0.051
	7.00	247.8	110.1	121.08	15.1429	0.061
	8.00	270.0	132.3	121.13	13.3750	0.073
	9.00	292.1	154.4	121.17	12.0000	0.085
	10.00	314.3	176.6	121.22	10.9000	0.099
	11.00	336.6	198.9	121.27	10.0000	0.113
	12.00	359.0	221.3	121.32	9.2500	0.129
	13.00	381.3	243.6	121.36	8.6154	0.145
	14.00	403.8	266.1	121.41	8.0714	0.163
	15.00	426.2	288.6	121.47	7.6000	0.182
	16.00	448.8	311.1	121.52	7.1875	0.201
	17.00	471.2	333.6	121.59	6.8235	0.222
	18.00	493.6	356.0	121.65	6.5000	0.244
	19.00	516.1	378.4	121.74	6.2105	0.266
	20.00	538.4	400.7	121.82	5.9500	0.290
	21.00	560.6	423.0	121.91	5.7143	0.314
	22.00	582.8	445.2	121.98	5.5000	0.340
	23.00	604.8	467.1	122.05	5.3043	0.366
	24.00	626.6	488.9	122.10	5.1250	0.393
	25.00	648.4	510.8	122.14	4.9600	0.420
	26.00	670.0	532.3	122.16	4.8077	0.449
	27.00	691.2	553.6	122.17	4.6667	0.478
	28.00	712.3	574.6	122.17	4.5357	0.507
	29.00	733.2	595.5	122.18	4.4138	0.538
	30.00	753.7	616.0	122.19	4.3000	0.568
	31.00	773.9	636.3	122.20	4.1935	0.599
	32.00	793.9	656.2	122.20	4.0938	0.630
	33.00	813.5	675.9	122.13	4.0000	0.662
	34.00	832.7	695.0	122.22	3.9118	0.693
	35.00	851.6	713.9	122.23	3.8286	0.725
	36.00	870.1	732.4	122.24	3.7500	0.757
	37.00	888.2	750.5	122.24	3.6757	0.789
	38.00	905.8	768.1	122.25	3.6053	0.820
	39.00	923.0	785.3	122.26	3.5385	0.852
	40.00	939.7	802.0	122.28	3.4750	0.883
	41.00	956.0	818.3	122.27	3.4146	0.914

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
42.00	971.9	834.2	122.28	3.3571	0.945
43.00	987.4	849.7	122.30	3.3023	0.975
44.00	1002.3	864.6	122.29	3.2500	1.005
45.00	1016.7	879.1	122.30	3.2000	1.034
46.00	1030.8	893.1	122.31	3.1522	1.063
47.00	1044.3	906.6	122.31	3.1064	1.091
48.00	1057.3	919.7	122.31	3.0625	1.118
49.00	1069.9	932.2	122.31	3.0204	1.145
50.00	1082.0	944.3	122.33	2.9800	1.171
51.00	1093.7	956.0	122.32	2.9412	1.196
52.00	1104.8	967.2	122.34	2.9038	1.221
53.00	1115.6	978.0	122.34	2.8679	1.245
54.00	1125.9	988.2	122.34	2.8333	1.268
55.00	1135.8	998.1	122.34	2.8000	1.290
56.00	1145.2	1007.5	122.35	2.7679	1.311
57.00	1154.2	1016.5	122.35	2.7368	1.332
58.00	1162.9	1025.3	122.35	2.7069	1.352
59.00	1171.3	1033.6	122.37	2.6780	1.372
60.00	1179.0	1041.4	122.36	2.6500	1.390
61.00	1186.6	1048.9	122.36	2.6230	1.408
62.00	1193.8	1056.1	122.37	2.5968	1.425
63.00	1200.7	1063.0	122.36	2.5714	1.442
64.00	1207.2	1069.6	122.37	2.5469	1.457
65.00	1213.4	1075.8	122.38	2.5231	1.472
66.00	1219.5	1081.8	122.37	2.5000	1.487
67.00	1225.1	1087.4	122.38	2.4776	1.501
68.00	1230.5	1092.9	122.38	2.4559	1.514
69.00	1235.7	1098.0	122.39	2.4348	1.527
70.00	1240.6	1103.0	122.38	2.4143	1.539
71.00	1245.4	1107.7	122.39	2.3944	1.551
72.00	1250.0	1112.4	122.39	2.3750	1.563
73.00	1254.2	1116.5	122.39	2.3562	1.573
74.00	1258.5	1120.8	122.40	2.3378	1.584
75.00	1262.5	1124.8	122.40	2.3200	1.594
76.00	1266.3	1128.6	122.40	2.3026	1.603
77.00	1270.0	1132.4	122.40	2.2857	1.613
78.00	1273.6	1135.9	122.40	2.2692	1.622
79.00	1276.9	1139.2	122.39	2.2532	1.631
80.00	1280.2	1142.5	122.40	2.2375	1.639
81.00	1283.3	1145.7	122.39	2.2222	1.647
82.00	1286.3	1148.6	122.40	2.2073	1.654
83.00	1289.1	1151.4	122.40	2.1926	1.662
84.00	1291.9	1154.2	122.51	2.1786	1.669
85.00	1294.5	1156.9	122.39	2.1647	1.676
86.00	1297.2	1159.5	122.40	2.1512	1.683
87.00	1299.7	1162.1	122.40	2.1379	1.689
88.00	1302.2	1164.5	122.41	2.1250	1.696
89.00	1304.5	1166.8	122.40	2.1124	1.702
90.00	1306.8	1169.1	122.39	2.1000	1.708
91.00	1309.0	1171.4	122.40	2.0879	1.714
92.00	1311.1	1173.4	122.41	2.0761	1.719

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9079 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/13/96

TIME: 23:47:19

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
93.00	1313.2	1175.5	122.41	2.0645	1.724	
94.00	1315.2	1177.5	122.41	2.0532	1.730	
95.00	1317.3	1179.6	122.40	2.0421	1.735	
96.00	1319.0	1181.4	122.40	2.0312	1.740	
97.00	1320.9	1183.3	122.41	2.0206	1.745	
98.00	1322.7	1185.1	122.39	2.0102	1.750	
99.00	1324.5	1186.8	122.41	2.0000	1.754	
100.00	1326.2	1188.6	122.41	1.9900	1.759	
101.00	1327.8	1190.1	122.41	1.9802	1.763	
102.00	1329.5	1191.9	122.40	1.9706	1.768	
103.00	1331.2	1193.5	122.41	1.9612	1.772	
104.00	1332.7	1195.0	122.41	1.9519	1.776	
105.00	1334.2	1196.5	122.44	1.9429	1.780	
106.00	1335.5	1197.9	122.40	1.9340	1.784	
107.00	1337.2	1199.5	122.40	1.9252	1.788	
108.00	1338.4	1200.8	122.41	1.9167	1.791	
109.00	1339.7	1202.1	122.41	1.9083	1.795	
110.00	1341.1	1203.4	122.41	1.9000	1.799	
111.00	1342.4	1204.8	122.41	1.8919	1.802	
112.00	1343.8	1206.1	122.42	1.8839	1.806	
113.00	1345.0	1207.4	122.40	1.8761	1.809	
114.00	1346.3	1208.6	122.41	1.8684	1.813	
115.00	1347.5	1209.8	122.42	1.8609	1.816	
116.00	1348.7	1211.0	122.41	1.8534	1.819	
117.00	1350.0	1212.4	122.42	1.8462	1.823	
118.00	1351.1	1213.4	122.41	1.8390	1.825	
119.00	1352.1	1214.4	122.42	1.8319	1.828	
120.00	1353.1	1215.4	122.41	1.8250	1.831	
121.00	1354.3	1216.7	122.42	1.8182	1.834	
***** End Shut-in 2	122.00	1355.4	1217.8	122.42	1.8115	1.837
***** Final Hydro.	464.00	2606.0	0.0	121.67		

TEST HISTORY

9879 DST#1 Roehr #1-17 Cross Bar Pet. Inc.

Flag Points

(Min.) P(PSig)

R:	0.00	2762.20
B:	0.00	48.81
C:	45.00	84.40
D:	59.00	1360.75
E:	0.00	100.68
F:	54.00	137.67
G:	122.00	1335.45
Q:	0.00	2605.97

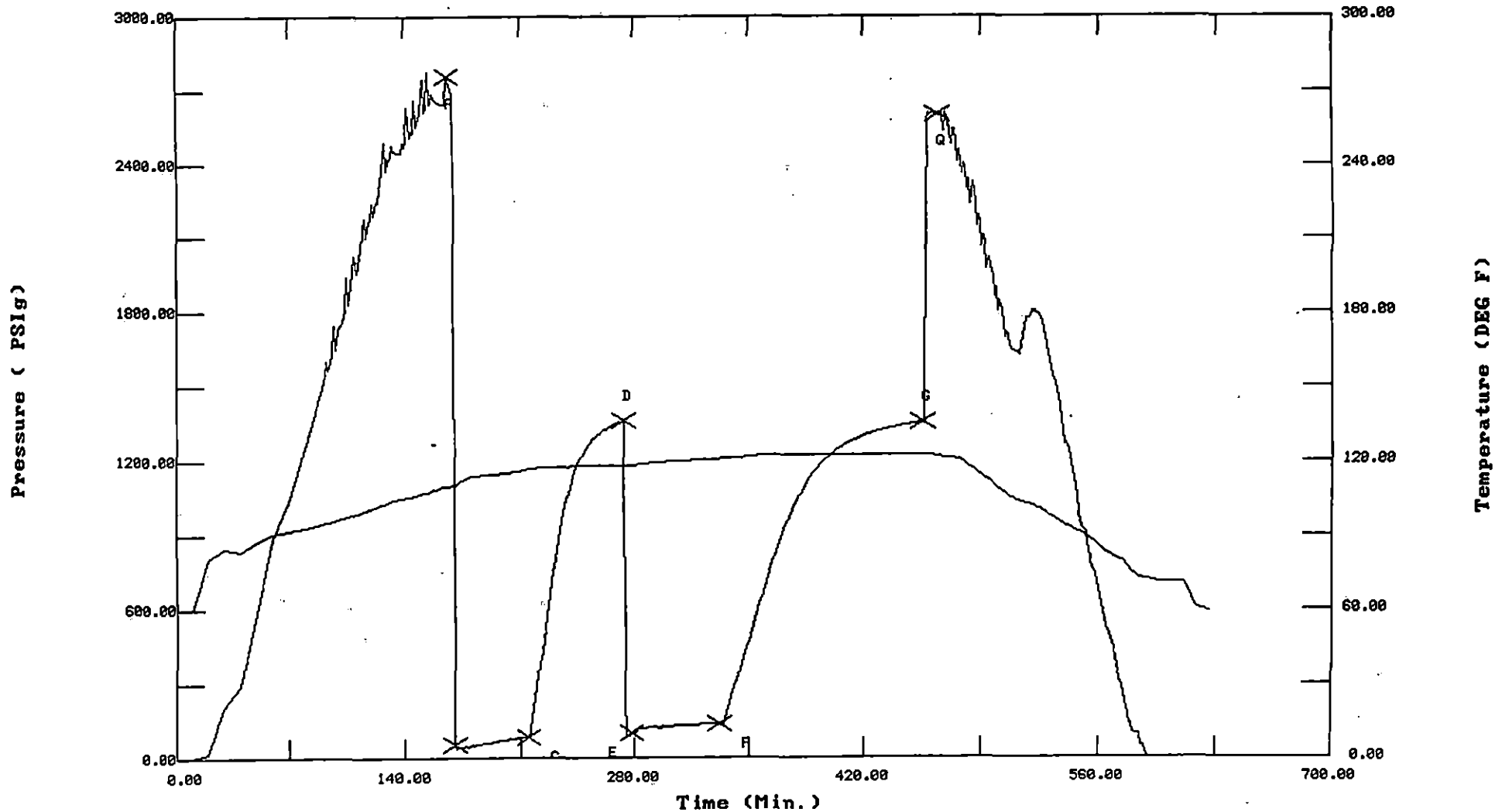
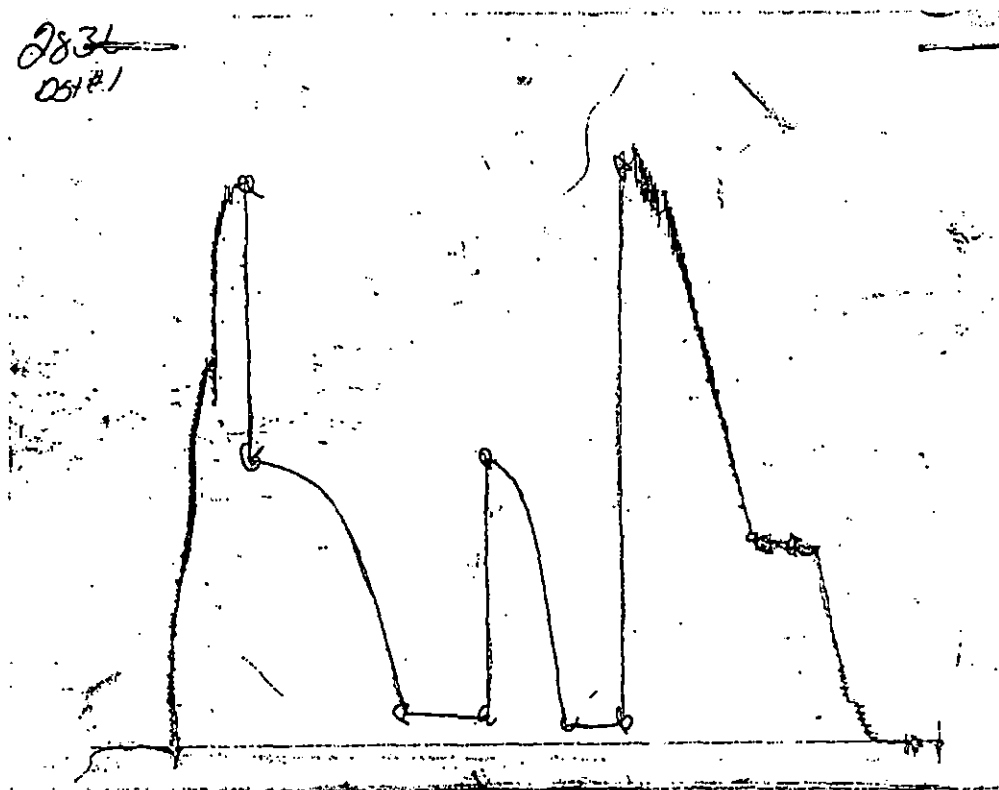


CHART PAGE

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DSI #1



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet. Inc.

DATE 11-14-96

WELL NAME: Roehr #1-17

KB 2774.00 ft

TICKET NO: 9080

DST #2

LOCATION : 17-32S-30W

GR 2769.00 ft

FORMATION: Morrow

INTERVAL : 5610.00 To 5634.00 ft

TD 5634.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	2836	2836	2346			PF Fr. 2025 to 2110 hr
SI 60	Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 2110 to 2210 hr
SF 45	Clock(hrs)	12HR.	12HR.	elec.			SF Fr. 2210 to 2255 hr
FS 90	Depth(ft)	5631.0	5631.0	5613.0	0.0	0.0	FS Fr. 2255 to 0025 hr

	Field	1	2	3	4	
A. Init Hydro	2622.0	2628.0	2732.0	0.0	0.0	T STARTED 1800 hr
B. First Flow	25.0	33.0	42.0	0.0	0.0	T ON BOTM 2022 hr
B1. Final Flow	51.0	57.0	124.0	0.0	0.0	T OPEN 2025 hr
C. In Shut-in	1333.0	1310.0	1424.0	0.0	0.0	T PULLED 0025 hr
D. Init Flow	119.0	127.0	38.0	0.0	0.0	T OUT 0415 hr
E. Final Flow	128.0	127.0	185.0	0.0	0.0	
F. Fl Shut-in	1307.0	1305.0	1419.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2485.0	2493.0	2603.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid	330.00 ft of	0.00 ft in DC and	330.00 ft in DP	Unseated Str Wt	78000.00 lbs
1710.00	ft of Gas in Pipe			Bot Choke	0.75 in
30.00	ft of Slight oil gas with 8%Gas 2%Oil 30%Water			Hole Size	7.88 in
0.00	ft of watery mud		60%Mud	D Col. ID	2.25 in
120.00	ft of Oil & Gas cut 20%Gas 5%Oil 50%Water			D. Pipe ID	3.80 in
0.00	ft of muddy water		25%Mud	D.C. Length	0.00 ft
180.00	ft of Slightly mud cut 90%Water 10%Mud			D.P. Length	5305.00 ft
0.00	ft of water with film oil			H.W. I.D	2.70 in
0.00	ft of			H.W. Length	285.00 ft
SALINITY	92000.00 P.P.M.	A.P.I. Gravity	0.00	MUD DATA-----	

BLOW DESCRIPTION

Initial Flow -
Strong blow - bottom of bucket in
2 min.

Initial Shut-in -
Bled off 2" - no blow back

Final Flow -
Fair blow - built to bottom of
bucket in 16 min.

Final Shut-in -
Bled off 2" - no blow back

SAMPLES: NO

SENT TO:

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	54.00 S/L
W.L.	9.80 in3
F.C.	0.00 in
Mud Drop Y	15.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 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.	Harold Trapp
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Roehr #1-17

LOCATION : 17-32S-30W

TICKET No. 9080 D.S.T. No. 2 DATE 11-14-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 22ft

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 29ft

TOTAL TOOL 51ft

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.Stands Single Total

D.P. ABOVE TOOLS.Stands91 Single Total 5590ft

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5641ft

TOTAL DEPTH 5634ft

TOTAL DRILL PIPE ABOVE K.B. 7ft

REMARKS:

P.O. SUB	5583
C.O. SUB	
S.I. TOOL	5584
HMV	5589
JARS.	5594
SAFETY JOINT	5599
PACKER	5605
PACKER	5610
DEPTH	
STUBB 1ft	5611
ANCHOR 1ft	5612
Alpine Rec.	5613
T.C. DEPTH	
13ft perf	5631
AK-1 Rec.	5631
BULLNOSE T.D. 3ft	5634

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9080 DST#2 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/14/96

TIME: 19:19:31

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	142.00	2732.1	0.0	106.73		
***** Start Flow 1	0.00	42.1	0.0	106.93		
	1.00	36.1	-6.0	107.28		
	2.00	41.5	-0.6	107.87		
	3.00	42.7	0.6	108.51		
	4.00	46.0	3.9	109.07		
	5.00	49.2	7.1	109.55		
	6.00	51.9	9.8	109.94		
	7.00	54.4	12.3	110.26		
	8.00	57.0	14.9	110.52		
	9.00	59.6	17.5	110.73		
	10.00	62.1	20.0	110.91		
	11.00	64.4	22.3	111.06		
	12.00	67.0	24.9	111.18		
	13.00	69.4	27.3	111.30		
	14.00	71.5	29.4	111.40		
	15.00	73.5	31.4	111.51		
	16.00	75.6	33.5	111.61		
	17.00	77.8	35.7	111.71		
	18.00	80.0	37.9	111.81		
	19.00	82.1	40.0	111.90		
	20.00	84.3	42.2	112.02		
	21.00	86.4	44.3	112.13		
	22.00	88.2	46.1	112.25		
	23.00	90.2	48.1	112.37		
	24.00	92.4	50.3	112.49		
	25.00	94.2	52.1	112.62		
	26.00	96.3	54.2	112.71		
	27.00	98.1	56.0	112.87		
	28.00	98.0	55.9	113.00		
	29.00	99.9	57.8	113.15		
	30.00	102.0	59.9	113.31		
	31.00	103.6	61.5	113.48		
	32.00	105.7	63.6	113.67		
	33.00	107.5	65.4	113.86		
	34.00	109.5	67.4	114.06		
	35.00	111.1	69.0	114.27		
	36.00	112.9	70.8	114.49		
	37.00	114.7	72.6	114.70		
	38.00	116.6	74.5	114.91		
	39.00	118.3	76.2	115.13		
	40.00	120.2	78.1	115.33		
	41.00	121.5	79.4	115.53		
	42.00	123.3	81.2	115.73		
***** End Flow 1	43.00	125.0	82.9	115.92		
***** Start Shutin 1	0.00	125.0	0.0	115.92	0.0000	0.016
	1.00	126.8	1.8	116.09	44.0000	0.016
	2.00	128.4	3.4	116.27	22.5000	0.016
	3.00	223.9	98.9	116.43	15.3333	0.050
	4.00	364.1	239.1	116.59	11.7500	0.133
	5.00	540.2	415.2	116.75	9.6000	0.292

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
6.00	718.0	593.0	116.92	8.1667	0.516
7.00	859.3	734.3	117.07	7.1429	0.738
8.00	961.1	836.1	117.21	6.3750	0.924
9.00	1034.7	909.7	117.36	5.7778	1.071
10.00	1089.5	964.5	117.50	5.3000	1.187
11.00	1131.7	1006.7	117.64	4.9091	1.281
12.00	1165.1	1040.1	117.77	4.5833	1.358
13.00	1192.3	1067.4	117.89	4.3077	1.422
14.00	1214.8	1089.8	118.00	4.0714	1.476
15.00	1233.8	1108.8	118.12	3.8667	1.522
16.00	1250.0	1125.0	118.22	3.6875	1.562
17.00	1264.0	1139.0	118.32	3.5294	1.598
18.00	1276.3	1151.3	118.41	3.3889	1.629
19.00	1287.2	1162.2	118.46	3.2632	1.657
20.00	1296.8	1171.9	118.55	3.1500	1.682
21.00	1305.6	1180.6	118.65	3.0476	1.705
22.00	1313.6	1188.6	118.70	2.9545	1.725
23.00	1320.8	1195.8	118.76	2.8696	1.744
24.00	1327.4	1202.4	118.83	2.7917	1.762
25.00	1333.6	1208.6	118.88	2.7200	1.778
26.00	1339.2	1214.2	118.95	2.6538	1.793
27.00	1344.4	1219.4	118.99	2.5926	1.807
28.00	1349.4	1224.4	119.04	2.5357	1.821
29.00	1354.0	1229.0	119.09	2.4828	1.833
30.00	1358.2	1233.2	119.13	2.4333	1.845
31.00	1362.2	1237.2	119.19	2.3871	1.855
32.00	1365.9	1240.9	119.22	2.3438	1.866
33.00	1369.5	1244.6	119.26	2.3030	1.876
34.00	1372.9	1247.9	119.30	2.2647	1.885
35.00	1376.0	1251.0	119.33	2.2286	1.893
36.00	1379.2	1254.2	119.37	2.1944	1.902
37.00	1382.0	1257.0	119.41	2.1622	1.910
38.00	1384.7	1259.7	119.44	2.1316	1.917
39.00	1387.3	1262.3	119.47	2.1026	1.925
40.00	1389.8	1264.8	119.50	2.0750	1.931
41.00	1392.2	1267.2	119.53	2.0488	1.938
42.00	1394.5	1269.5	119.55	2.0238	1.945
43.00	1396.6	1271.6	119.58	2.0000	1.951
44.00	1398.7	1273.7	119.60	1.9773	1.956
45.00	1400.7	1275.7	119.63	1.9556	1.962
46.00	1402.7	1277.7	119.67	1.9348	1.968
47.00	1404.5	1279.5	119.68	1.9149	1.973
48.00	1406.2	1281.2	119.70	1.8958	1.978
49.00	1408.0	1283.0	119.73	1.8776	1.982
50.00	1409.6	1284.6	119.79	1.8600	1.987
51.00	1411.3	1286.3	119.76	1.8431	1.992
52.00	1412.8	1287.8	119.78	1.8269	1.996
53.00	1414.2	1289.3	119.81	1.8113	2.000
54.00	1415.7	1290.7	119.81	1.7963	2.004
55.00	1417.2	1292.2	119.84	1.7818	2.008
56.00	1418.5	1293.5	119.86	1.7679	2.012

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9080 DST#2 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/14/96

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	57.00	1419.7	1294.7	119.88	1.7544	2.016
	58.00	1420.9	1295.9	119.88	1.7414	2.019
	59.00	1422.2	1297.2	119.88	1.7288	2.023
	60.00	1423.4	1298.4	119.91	1.7167	2.026
***** End Shut-in 1	61.00	1424.6	1299.6	119.93	1.7049	2.030
***** Start Flow 2	0.00	138.8	0.0	119.93		
	1.00	143.1	4.3	119.90		
	2.00	147.7	8.9	119.87		
	3.00	146.1	7.3	119.84		
	4.00	145.6	6.8	119.82		
	5.00	148.2	9.4	119.82		
	6.00	149.8	11.1	119.82		
	7.00	150.8	12.0	119.83		
	8.00	152.1	13.3	119.84		
	9.00	153.8	15.0	119.88		
	10.00	154.8	16.0	119.92		
	11.00	155.5	16.7	119.95		
	12.00	156.6	17.8	120.00		
	13.00	157.1	18.3	120.05		
	14.00	157.9	19.1	120.11		
	15.00	159.4	20.6	120.17		
	16.00	159.7	20.9	120.22		
	17.00	160.7	21.9	120.29		
	18.00	161.4	22.6	120.37		
	19.00	162.7	23.9	120.46		
	20.00	164.1	25.3	120.56		
	21.00	165.0	26.2	120.65		
	22.00	165.6	26.8	120.74		
	23.00	166.3	27.5	120.83		
	24.00	167.5	28.7	120.91		
	25.00	168.3	29.5	120.99		
	26.00	169.0	30.2	121.06		
	27.00	170.0	31.2	121.13		
	28.00	171.1	32.3	121.18		
	29.00	171.6	32.8	121.23		
	30.00	172.5	33.7	121.28		
	31.00	173.2	34.4	121.33		
	32.00	174.4	35.6	121.39		
	33.00	175.4	36.6	121.43		
	34.00	175.8	37.0	121.49		
	35.00	176.8	38.0	121.53		
	36.00	177.6	38.8	121.56		
	37.00	178.6	39.8	121.61		
	38.00	178.9	40.1	121.66		
	39.00	179.8	41.0	121.70		
	40.00	180.3	41.6	121.75		
	41.00	181.8	43.0	121.79		
	42.00	182.8	44.0	121.83		
	43.00	183.3	44.5	121.87		
	44.00	184.0	45.2	121.92		
***** End Flow 2	45.00	185.1	46.3	121.97		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Start Shutin 2	0.00	185.1	0.0	121.97	0.0000	0.034
	1.00	297.7	112.7	122.00	89.0000	0.089
	2.00	453.9	268.9	122.07	45.0000	0.206
	3.00	614.6	429.6	122.11	30.3333	0.378
	4.00	757.8	572.7	122.18	23.0000	0.574
	5.00	871.0	685.9	122.25	18.6000	0.759
	6.00	956.9	771.8	122.30	15.6667	0.916
	7.00	1021.1	836.0	122.37	13.5714	1.043
	8.00	1069.9	884.8	122.43	12.0000	1.145
	9.00	1108.3	923.2	122.49	10.7778	1.228
	10.00	1138.9	953.8	122.54	9.8000	1.297
	11.00	1163.9	978.8	122.63	9.0000	1.355
	12.00	1184.9	999.8	122.65	8.3333	1.404
	13.00	1202.7	1017.6	122.70	7.7692	1.446
	14.00	1218.1	1033.0	122.73	7.2857	1.484
	15.00	1231.4	1046.3	122.77	6.8667	1.516
	16.00	1243.2	1058.1	122.80	6.5000	1.546
	17.00	1253.7	1068.6	122.84	6.1765	1.572
	18.00	1263.0	1077.9	122.86	5.8889	1.595
	19.00	1271.6	1086.5	122.89	5.6316	1.617
	20.00	1279.3	1094.2	122.90	5.4000	1.637
	21.00	1286.4	1101.3	122.94	5.1905	1.655
	22.00	1292.8	1107.7	122.95	5.0000	1.671
	23.00	1298.8	1113.7	122.97	4.8261	1.687
	24.00	1304.5	1119.4	122.98	4.6667	1.702
	25.00	1309.6	1124.5	123.01	4.5200	1.715
	26.00	1314.4	1129.3	123.01	4.3846	1.728
	27.00	1319.0	1134.0	123.03	4.2593	1.740
	28.00	1323.2	1138.2	123.04	4.1429	1.751
	29.00	1327.3	1142.2	123.06	4.0345	1.762
	30.00	1331.1	1146.1	123.07	3.9333	1.772
	31.00	1334.7	1149.6	123.08	3.8387	1.781
	32.00	1338.0	1152.9	123.08	3.7500	1.790
	33.00	1341.2	1156.2	123.09	3.6667	1.799
	34.00	1344.3	1159.2	123.10	3.5882	1.807
	35.00	1347.3	1162.2	123.10	3.5143	1.815
	36.00	1350.0	1164.9	123.10	3.4444	1.822
	37.00	1352.7	1167.6	123.12	3.3784	1.830
	38.00	1355.2	1170.1	123.13	3.3158	1.836
	39.00	1357.6	1172.5	123.14	3.2564	1.843
	40.00	1360.0	1174.9	123.15	3.2000	1.850
	41.00	1362.2	1177.1	123.15	3.1463	1.856
	42.00	1364.4	1179.4	123.15	3.0952	1.862
	43.00	1366.5	1181.4	123.17	3.0465	1.867
	44.00	1368.5	1183.4	123.17	3.0000	1.873
	45.00	1370.5	1185.4	123.17	2.9556	1.878
	46.00	1372.3	1187.3	123.17	2.9130	1.883
	47.00	1374.1	1189.0	123.18	2.8723	1.888
	48.00	1375.9	1190.8	123.19	2.8333	1.893
	49.00	1377.6	1192.5	123.19	2.7959	1.898
	50.00	1379.2	1194.1	123.19	2.7600	1.902

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
51.00	1380.8	1195.7	123.18	2.7255	1.907	
52.00	1382.3	1197.3	123.20	2.6923	1.911	
53.00	1383.9	1198.8	123.21	2.6604	1.915	
54.00	1385.4	1200.3	123.21	2.6296	1.919	
55.00	1386.8	1201.7	123.21	2.6000	1.923	
56.00	1388.2	1203.1	123.21	2.5714	1.927	
57.00	1389.5	1204.5	123.21	2.5439	1.931	
58.00	1390.9	1205.8	123.21	2.5172	1.935	
59.00	1392.1	1207.0	123.21	2.4915	1.938	
60.00	1393.3	1208.3	123.22	2.4667	1.941	
61.00	1394.6	1209.5	123.23	2.4426	1.945	
62.00	1395.8	1210.7	123.24	2.4194	1.948	
63.00	1396.9	1211.8	123.15	2.3968	1.951	
64.00	1397.9	1212.9	123.23	2.3750	1.954	
65.00	1399.1	1214.0	123.24	2.3538	1.957	
66.00	1400.2	1215.1	123.24	2.3333	1.961	
67.00	1401.2	1216.2	123.24	2.3134	1.963	
68.00	1402.3	1217.2	123.24	2.2941	1.966	
69.00	1403.3	1218.2	123.23	2.2754	1.969	
70.00	1404.2	1219.2	123.24	2.2571	1.972	
71.00	1405.2	1220.1	123.24	2.2394	1.975	
72.00	1406.2	1221.1	123.24	2.2222	1.977	
73.00	1407.1	1222.0	123.25	2.2055	1.980	
74.00	1408.0	1222.9	123.25	2.1892	1.982	
75.00	1408.8	1223.7	123.26	2.1733	1.985	
76.00	1409.7	1224.6	123.26	2.1579	1.987	
77.00	1410.6	1225.5	123.26	2.1429	1.990	
78.00	1411.4	1226.3	123.26	2.1282	1.992	
79.00	1412.2	1227.1	123.27	2.1139	1.994	
80.00	1412.9	1227.9	123.26	2.1000	1.996	
81.00	1413.8	1228.7	123.27	2.0864	1.999	
82.00	1414.5	1229.4	123.26	2.0732	2.001	
83.00	1415.3	1230.2	123.27	2.0602	2.003	
84.00	1416.1	1231.0	123.27	2.0476	2.005	
85.00	1416.8	1231.7	123.27	2.0353	2.007	
86.00	1417.5	1232.4	123.28	2.0233	2.009	
87.00	1418.2	1233.1	123.28	2.0115	2.011	
88.00	1418.9	1233.8	123.26	2.0000	2.013	
***** End Shut-in 2	89.00	1419.5	1234.4	123.27	1.9888	2.015
***** Final Hydro.	386.00	2603.4	0.0	123.39		

TEST HISTORY

9080 DST#2 Roehr #1-17 Cross Bar Pet. Inc.

Flag Points

←(Min.) P(PSig)

A:	0.00	2732.12
B:	0.00	42.10
C:	43.00	124.99
D:	61.00	1424.62
E:	0.00	138.79
F:	45.00	185.08
G:	89.00	1419.47
Q:	0.00	2603.42

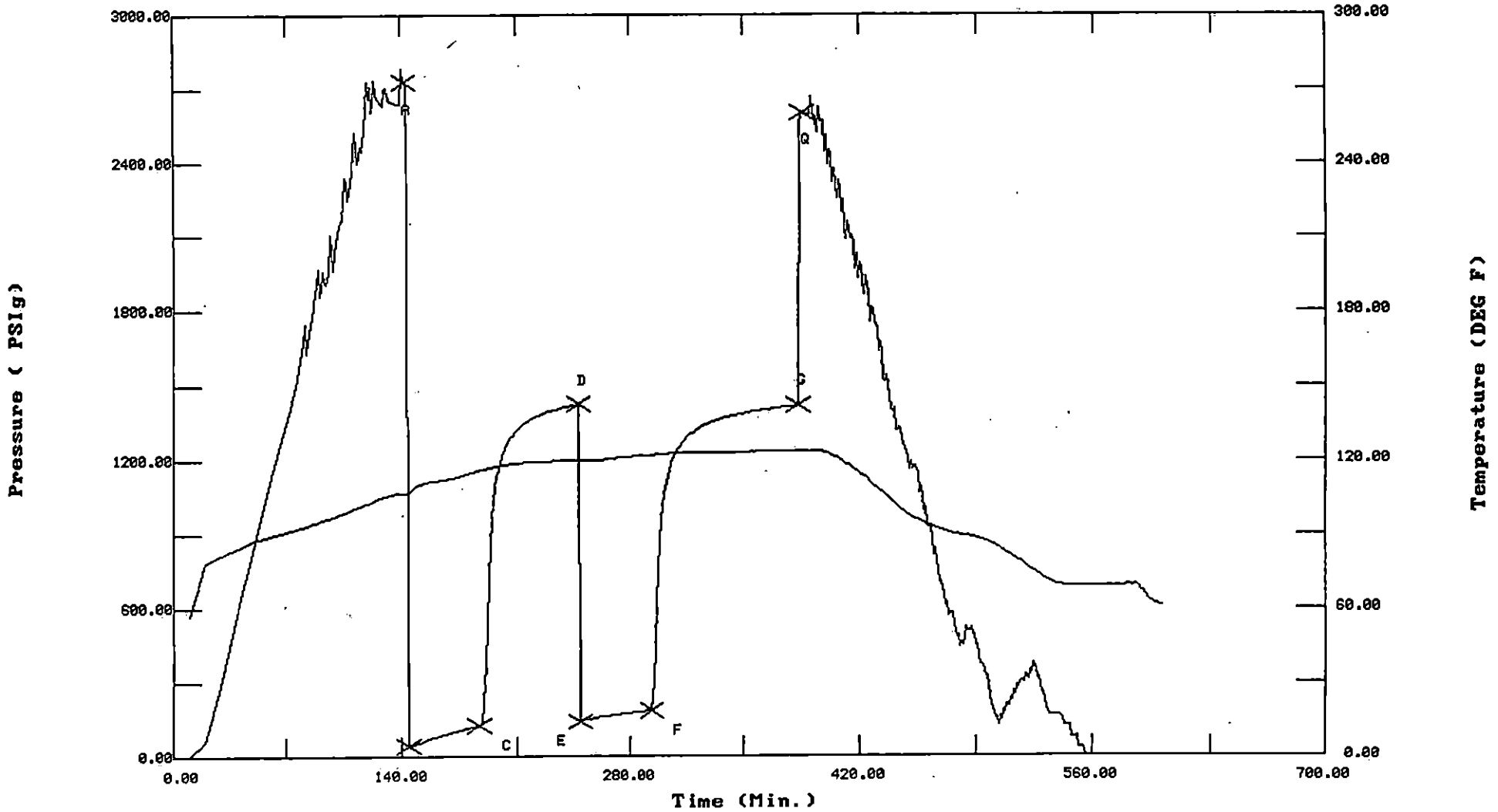
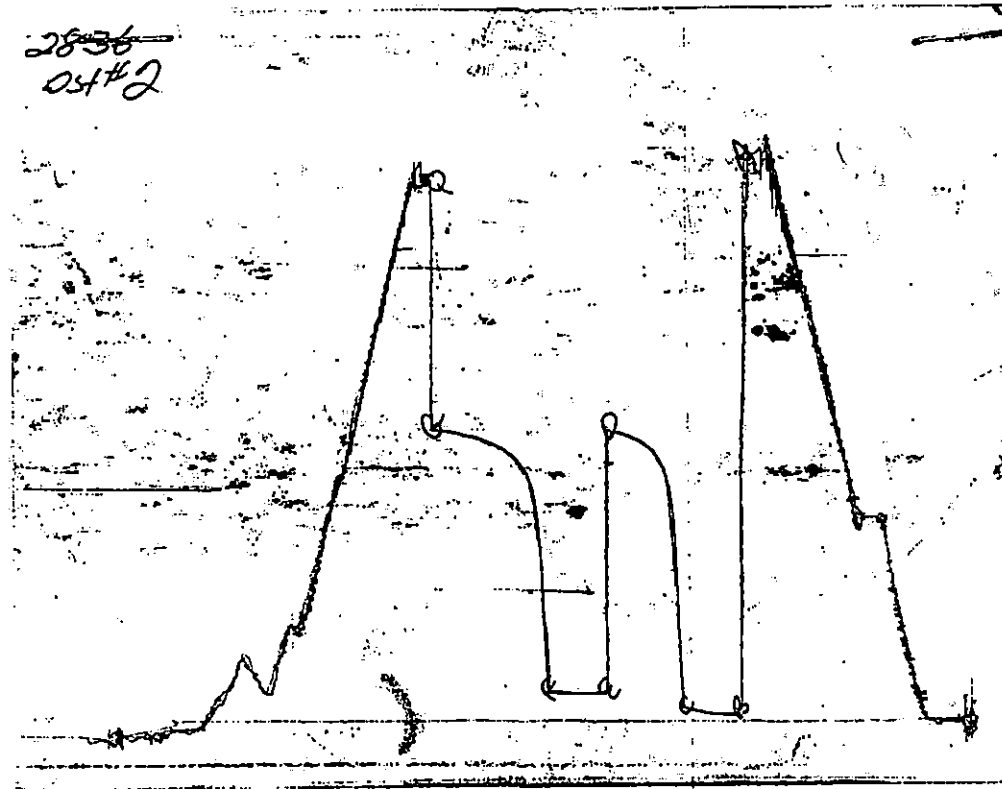


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet. Inc.
 WELL NAME: Roehr #1-17
 LOCATION : 17-32S-30W
 INTERVAL : 5592.00 To 5620.00 ft

DATE 11-16-96
 KB 2774.00 ft TICKET NO: 9081 DST #3
 GR 2769.00 ft FORMATION: Morrow
 TD 5800.00 ft TEST TYPE: CONV./STRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 60	Rec.	1055	1055	2346	2836		PF Fr. 1335 to 1435 hr
SI 60	Range(Psi)	4050.0	4050.0	4995.0	3500.0	0.0	IS Fr. 1435 to 1535 hr
SF 90	Clock(hrs)	12HR.	12HR.	elec.	12HR.		SF Fr. 1535 to 1705 hr
FS 120	Depth(ft)	5615.0	5615.0	5595.0	5797.0	0.0	FS Fr. 1705 to 1905 hr

	Field	1	2	3	4	
A. Init Hydro	2911.0	2805.0	2759.0	2987.0	0.0	T STARTED 1100 hr
B. First Flow	43.0	49.0	30.0	0.0	0.0	T ON BOTM 1332 hr
B1. Final Flow	86.0	92.0	92.0	0.0	0.0	T OPEN 1335 hr
C. In Shut-in	1337.0	1362.0	1359.0	0.0	0.0	T PULLED 1905 hr
D. Init Flow	97.0	110.0	91.0	0.0	0.0	T OUT 2200 hr
E. Final Flow	140.0	151.0	140.0	0.0	0.0	
F. Fl Shut-in	0.0	1322.0	1360.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2747.0	2724.0	2605.0	2713.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I	O		Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 270.00 ft of 0.00 ft in DC and 270.00 ft in DP
 4230.00 ft of Gas in drilling pipe
 0.00 ft of
 30.00 ft of watery mud film oil 15%water 85%mud
 0.00 ft of
 120.00 ft of Slight gas with 15%Gas 25%Water 60%Mud
 0.00 ft of watery mud and film oil
 120.00 ft of Slight gas with watery mud 5%Gas 70%Water
 0.00 ft of and film oil 25%Mud
 SALINITY 63000.00 P.P.M. A.P.I. Gravity 0.00

Initial Str Wt 75000.00 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 0.00 ft
 D.P. Length 5754.00 ft
 H.W. I.D 2.70 in
 H.W. Length 161.00 ft

BLOW DESCRIPTION

Initial Flow -
 Strong blow - bottom of bucket
 in 7 min.

Initial Shut-in -
 Bled off 2" - no blow back

Final Flow -
 Strong blow - bottom of bucket
 in 4 min.

Final Shut-in -
 Bled off 2" - no blow back

SAMPLES: No
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.80 lb/
 Vis. 52.00 S/L
 W.L. 8.00 in3
 F.C. 0.00 in
 Mud Drop Y 25.0 ft

Amt. of fill 0.00 ft
 Btm. H. Temp. 126.00 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. Harold Trapp
 Contr. Abercrombie
 Rig # 4
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV./STRADDLE

WELL NAME: Roehr #1-17

LOCATION : 17-32S-30W

TICKET No. 9081 D.S.T. No. 3 DATE 11-16-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 28ft

TOTAL TOOL 55ft

DRILL COLLAR ANCHOR IN INTERVAL 25ft

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single 1 Total 154ft

TOTAL ASSEMBLY 234ft

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 90 Single 1 Total 5600ft

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5834ft

TOTAL DEPTH 5800ft

TOTAL DRILL PIPE ABOVE K.B. 34ft

REMARKS:

P.O. SUB	
C.O. SUB	5565
S.I. TOOL	5566
HMV	5571
JARS	5576
SAFETY JOINT	5581
PACKER	5587
PACKER	5592
DEPTH STUBB ANCHOR	
1ft. Perf	5594
Alpine Rec.	5595
6ft Pick up Sub	5600
14ft Perf	5614
AK-1 Rec.	5615
T.C. DEPTH	
2ft Blank off sub	5616
PACKER Straddle packer	5620
20ft Perf	5641
1ft C\O sub	5642
154ft Drlg. Pipe	5796
1ft C\O Sub	5797
AK-1 Rec.	5797
BULLNOSE	
T.D. 3ft Bull Plug	5800

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	104.00	2889.6	0.0	110.21		
***** Start Flow 1	0.00	30.4	0.0	115.85		
	1.00	31.9	1.5	115.88		
	2.00	34.0	3.6	115.92		
	3.00	36.4	6.0	115.97		
	4.00	38.1	7.7	116.03		
	5.00	41.7	11.3	116.10		
	6.00	43.1	12.7	116.17		
	7.00	44.3	13.9	116.24		
	8.00	46.8	16.4	116.30		
	9.00	48.7	18.2	116.36		
	10.00	50.4	20.0	116.43		
	11.00	51.6	21.2	116.48		
	12.00	53.0	22.6	116.53		
	13.00	54.4	24.0	116.58		
	14.00	55.8	25.4	116.62		
	15.00	57.4	27.0	116.67		
	16.00	58.8	28.4	116.69		
	17.00	59.6	29.2	116.73		
	18.00	61.3	30.9	116.77		
	19.00	62.9	32.5	116.80		
	20.00	64.5	34.1	116.84		
	21.00	65.9	35.5	116.88		
	22.00	66.7	36.3	116.94		
	23.00	68.2	37.8	117.00		
	24.00	69.6	39.2	117.07		
	25.00	70.7	40.3	117.13		
	26.00	71.7	41.3	117.20		
	27.00	72.8	42.4	117.27		
	28.00	74.0	43.6	117.35		
	29.00	74.6	44.2	117.41		
	30.00	76.4	46.0	117.48		
	31.00	77.1	46.7	117.55		
	32.00	77.6	47.2	117.62		
	33.00	78.6	48.2	117.69		
	34.00	79.9	49.5	117.75		
	35.00	80.0	49.6	117.82		
	36.00	81.8	51.3	117.89		
	37.00	80.3	49.8	117.95		
	38.00	81.5	51.1	118.02		
	39.00	81.0	50.5	118.08		
	40.00	82.2	51.8	118.14		
	41.00	83.4	53.0	118.20		
	42.00	83.8	53.4	118.26		
	43.00	83.8	53.4	118.33		
	44.00	84.7	54.3	118.41		
	45.00	85.4	55.0	118.42		
	46.00	86.0	55.6	118.43		
	47.00	86.0	55.6	118.50		
	48.00	86.6	56.2	118.55		
	49.00	88.1	57.7	118.60		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	50.00	88.2	57.8	118.64		
	51.00	88.9	58.5	118.69		
	52.00	88.7	58.3	118.74		
	53.00	89.5	59.1	118.77		
	54.00	90.2	59.8	118.82		
	55.00	90.6	60.2	118.86		
	56.00	91.1	60.7	118.89		
	57.00	91.3	60.9	118.93		
***** End Flow 1	58.00	92.9	62.5	118.96		
***** Start Shutin 1	0.00	92.9	0.0	118.96	0.0000	0.009
	1.00	100.7	7.8	119.00	59.0000	0.010
	2.00	153.2	60.2	119.03	30.0000	0.023
	3.00	209.7	116.8	119.05	20.3333	0.044
	4.00	272.0	179.0	119.09	15.5000	0.074
	5.00	340.3	247.4	119.12	12.6000	0.116
	6.00	415.0	322.1	119.16	10.6667	0.172
	7.00	496.2	403.3	119.20	9.2857	0.246
	8.00	583.7	490.8	119.24	8.2500	0.341
	9.00	675.3	582.4	119.27	7.4444	0.456
	10.00	767.1	674.2	119.31	6.8000	0.589
	11.00	853.3	760.4	119.35	6.2727	0.728
	12.00	928.9	836.0	119.38	5.8333	0.863
	13.00	990.7	897.8	119.41	5.4615	0.982
	14.00	1039.7	946.7	119.45	5.1429	1.081
	15.00	1078.1	985.2	119.49	4.8667	1.162
	16.00	1108.6	1015.7	119.52	4.6250	1.229
	17.00	1133.4	1040.5	119.55	4.4118	1.285
	18.00	1153.8	1060.9	119.58	4.2222	1.331
	19.00	1171.0	1078.0	119.60	4.0526	1.371
	20.00	1185.7	1092.8	119.62	3.9000	1.406
	21.00	1198.6	1105.7	119.63	3.7619	1.437
	22.00	1209.9	1117.0	119.67	3.6364	1.464
	23.00	1220.1	1127.1	119.66	3.5217	1.489
	24.00	1229.1	1136.2	119.67	3.4167	1.511
	25.00	1237.5	1144.5	119.68	3.3200	1.531
	26.00	1245.0	1152.0	119.69	3.2308	1.550
	27.00	1252.0	1159.1	119.70	3.1481	1.568
	28.00	1258.5	1165.6	119.69	3.0714	1.584
	29.00	1264.6	1171.6	119.70	3.0000	1.599
	30.00	1270.2	1177.2	119.70	2.9333	1.613
	31.00	1275.5	1182.5	119.70	2.8710	1.627
	32.00	1280.5	1187.5	119.70	2.8125	1.640
	33.00	1285.2	1192.3	119.71	2.7576	1.652
	34.00	1289.7	1196.8	119.71	2.7059	1.663
	35.00	1294.0	1201.0	119.71	2.6571	1.674
	36.00	1298.0	1205.1	119.71	2.6111	1.685
	37.00	1301.9	1209.0	119.80	2.5676	1.695
	38.00	1305.5	1212.6	119.70	2.5263	1.704
	39.00	1309.0	1216.1	119.70	2.4872	1.714
	40.00	1312.4	1219.4	119.71	2.4500	1.722
	41.00	1315.6	1222.6	119.70	2.4146	1.731

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
42.00	1318.7	1225.7	119.70	2.3810	1.739
43.00	1321.7	1228.7	119.70	2.3488	1.747
44.00	1324.5	1231.6	119.69	2.3182	1.754
45.00	1327.2	1234.3	119.69	2.2889	1.762
46.00	1329.9	1237.0	119.69	2.2609	1.769
47.00	1332.4	1239.5	119.70	2.2340	1.775
48.00	1334.9	1241.9	119.68	2.2083	1.782
49.00	1337.2	1244.3	119.68	2.1837	1.788
50.00	1339.5	1246.6	119.69	2.1600	1.794
51.00	1341.7	1248.8	119.67	2.1373	1.800
52.00	1343.9	1251.0	119.67	2.1154	1.806
53.00	1346.0	1253.1	119.67	2.0943	1.812
54.00	1348.1	1255.1	119.66	2.0741	1.817
55.00	1350.0	1257.0	119.65	2.0545	1.822
56.00	1351.8	1258.9	119.66	2.0357	1.827
57.00	1353.7	1260.8	119.65	2.0175	1.833
58.00	1355.5	1262.6	119.64	2.0000	1.838
59.00	1357.3	1264.3	119.64	1.9831	1.842
60.00	1359.0	1266.1	119.64	1.9667	1.847
***** End Shut-in 1					
0.00	91.6	0.0	119.53		
1.00	94.6	3.0	119.47		
2.00	96.7	5.1	119.41		
3.00	98.4	6.7	119.37		
4.00	98.8	7.2	119.34		
5.00	100.1	8.4	119.33		
6.00	100.8	9.1	119.32		
7.00	101.6	10	119.33		
8.00	102.1	10.5	119.34		
9.00	103.0	11.4	119.36		
10.00	103.8	12.1	119.38		
11.00	105.0	13.3	119.40		
12.00	104.9	13.2	119.43		
13.00	105.5	13.9	119.44		
14.00	106.1	14.5	119.49		
15.00	106.8	15.1	119.52		
16.00	107.0	15.3	119.54		
17.00	107.6	16.0	119.57		
18.00	109.4	17.7	119.60		
19.00	109.4	17.8	119.64		
20.00	109.6	18.0	119.66		
21.00	110.9	19.2	119.70		
22.00	111.5	19.9	119.72		
23.00	111.4	19.7	119.75		
24.00	112.6	20.9	119.78		
25.00	112.9	21.2	119.81		
26.00	113.4	21.8	119.83		
27.00	113.8	22.1	119.86		
28.00	114.9	23.2	119.90		
29.00	115.4	23.7	119.92		
30.00	115.8	24.2	119.94		
31.00	116.2	24.6	119.96		
***** Start Flow 2					

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
32.00	116.7	25.1	119.98		
33.00	117.1	25.5	120.01		
34.00	117.8	26.2	120.03		
35.00	118.5	26.9	120.05		
36.00	119.3	27.7	120.08		
37.00	120.1	28.4	120.09		
38.00	120.4	28.7	120.12		
39.00	121.2	29.6	120.14		
40.00	121.2	29.6	120.16		
41.00	121.8	30.1	120.18		
42.00	122.1	30.5	120.20		
43.00	122.9	31.3	120.22		
44.00	123.0	31.3	120.24		
45.00	123.5	31.9	120.26		
46.00	124.0	32.4	120.28		
47.00	123.9	32.3	120.30		
48.00	125.0	33.4	120.33		
49.00	125.5	33.9	120.35		
50.00	125.6	33.9	120.36		
51.00	126.0	34.3	120.38		
52.00	126.2	34.6	120.40		
53.00	126.7	35.1	120.44		
54.00	127.2	35.6	120.44		
55.00	127.7	36.0	120.46		
56.00	127.2	35.6	120.48		
57.00	128.9	37.3	120.50		
58.00	129.5	37.9	120.50		
59.00	129.8	38.2	120.53		
60.00	130.2	38.6	120.55		
61.00	130.2	38.6	120.57		
62.00	131.6	40.0	120.58		
63.00	131.4	39.8	120.60		
64.00	131.2	39.6	120.61		
65.00	132.2	40.6	120.63		
66.00	132.8	41.2	120.65		
67.00	132.1	40.4	120.66		
68.00	133.5	41.9	120.69		
69.00	134.5	42.9	120.70		
70.00	133.7	42.1	120.72		
71.00	135.2	43.6	120.73		
72.00	134.6	43.0	120.74		
73.00	135.1	43.5	120.76		
74.00	135.7	44.1	120.78		
75.00	136.0	44.4	120.79		
76.00	136.7	45.0	120.80		
77.00	136.1	44.5	120.81		
78.00	137.1	45.4	120.82		
79.00	136.9	45.2	120.84		
80.00	137.8	46.1	120.85		
81.00	138.3	46.6	120.87		
82.00	138.5	46.8	120.88		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	83.00	138.8	47.2	120.91		
	84.00	139.1	47.5	120.92		
	85.00	140.3	48.7	120.93		
	86.00	140.2	48.6	120.94		
	87.00	140.8	49.1	120.96		
***** End Flow 2	88.00	140.9	49.3	120.96		
***** Start Shutin 2	0.00	140.9	0.0	120.96	0.0000	0.020
	1.00	145.3	4.4	120.98	147.0000	0.021
	2.00	234.9	94.0	120.99	74.0000	0.055
	3.00	323.2	182.3	121.01	49.6667	0.104
	4.00	412.7	271.8	121.03	37.5000	0.170
	5.00	502.6	361.7	121.05	30.2000	0.253
	6.00	592.1	451.2	121.08	25.3333	0.351
	7.00	678.6	537.7	121.10	21.8571	0.461
	8.00	759.1	618.2	121.13	19.2500	0.576
	9.00	831.5	690.6	121.16	17.2222	0.691
	10.00	894.7	753.8	121.19	15.6000	0.800
	11.00	947.9	807.0	121.22	14.2727	0.898
	12.00	991.4	850.5	121.25	13.1667	0.983
	13.00	1026.9	886.0	121.29	12.2308	1.055
	14.00	1055.6	914.7	121.30	11.4286	1.114
	15.00	1079.5	938.5	121.32	10.7333	1.165
	16.00	1099.2	958.3	121.35	10.1250	1.208
	17.00	1115.8	974.9	121.35	9.5882	1.245
	18.00	1130.1	989.2	121.36	9.1111	1.277
	19.00	1142.4	1001.5	121.37	8.6842	1.305
	20.00	1153.3	1012.4	121.37	8.3000	1.330
	21.00	1163.0	1022.1	121.40	7.9524	1.353
	22.00	1171.6	1030.7	121.39	7.6364	1.373
	23.00	1179.5	1038.6	121.39	7.3478	1.391
	24.00	1186.6	1045.7	121.39	7.0833	1.408
	25.00	1193.2	1052.3	121.39	6.8400	1.424
	26.00	1199.4	1058.5	121.34	6.6154	1.439
	27.00	1205.0	1064.1	121.38	6.4074	1.452
	28.00	1210.5	1069.6	121.38	6.2143	1.465
	29.00	1215.5	1074.6	121.38	6.0345	1.478
	30.00	1220.2	1079.2	121.37	5.8667	1.489
	31.00	1224.6	1083.7	121.38	5.7097	1.500
	32.00	1228.9	1087.9	121.37	5.5625	1.510
	33.00	1232.8	1091.9	121.36	5.4242	1.520
	34.00	1236.6	1095.7	121.36	5.2941	1.529
	35.00	1240.3	1099.4	121.35	5.1714	1.538
	36.00	1243.7	1102.8	121.35	5.0556	1.547
	37.00	1247.0	1106.1	121.34	4.9459	1.555
	38.00	1250.2	1109.3	121.34	4.8421	1.563
	39.00	1253.3	1112.4	121.33	4.7436	1.571
	40.00	1256.3	1115.4	121.34	4.6500	1.578
	41.00	1259.2	1118.2	121.32	4.5610	1.585
	42.00	1262.0	1121.1	121.32	4.4762	1.593
	43.00	1264.6	1123.7	121.32	4.3953	1.599
	44.00	1267.2	1126.3	121.32	4.3182	1.606

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
45.00	1269.7	1128.8	121.31	4.2444	1.612
46.00	1272.2	1131.3	121.30	4.1739	1.619
47.00	1274.7	1133.8	121.29	4.1064	1.625
48.00	1276.9	1136.0	121.28	4.0417	1.630
49.00	1279.0	1138.1	121.29	3.9796	1.636
50.00	1281.3	1140.4	121.28	3.9200	1.642
51.00	1283.4	1142.5	121.29	3.8627	1.647
52.00	1285.5	1144.5	121.27	3.8077	1.652
53.00	1287.4	1146.5	121.26	3.7547	1.657
54.00	1289.3	1148.4	121.26	3.7037	1.662
55.00	1291.2	1150.2	121.26	3.6545	1.667
56.00	1293.1	1152.1	121.25	3.6071	1.672
57.00	1294.8	1153.9	121.26	3.5614	1.677
58.00	1296.7	1155.8	121.35	3.5172	1.681
59.00	1298.3	1157.4	121.18	3.4746	1.686
60.00	1300.0	1159.1	121.23	3.4333	1.690
61.00	1301.6	1160.7	121.23	3.3934	1.694
62.00	1303.3	1162.3	121.23	3.3548	1.698
63.00	1304.8	1163.9	121.23	3.3175	1.702
64.00	1306.3	1165.4	121.23	3.2812	1.707
65.00	1307.9	1167.0	121.23	3.2462	1.711
66.00	1309.3	1168.4	121.21	3.2121	1.714
67.00	1310.8	1169.9	121.22	3.1791	1.718
68.00	1312.2	1171.3	121.21	3.1471	1.722
69.00	1313.6	1172.7	121.21	3.1159	1.726
70.00	1314.9	1174.0	121.21	3.0857	1.729
71.00	1316.4	1175.5	121.21	3.0563	1.733
72.00	1317.7	1176.7	121.20	3.0278	1.736
73.00	1318.9	1178.0	121.21	3.0000	1.740
74.00	1320.2	1179.3	121.19	2.9730	1.743
75.00	1321.5	1180.6	121.20	2.9467	1.746
76.00	1322.7	1181.8	121.19	2.9211	1.750
77.00	1323.9	1183.0	121.18	2.8961	1.753
78.00	1325.1	1184.2	121.18	2.8718	1.756
79.00	1326.3	1185.4	121.18	2.8481	1.759
80.00	1327.4	1186.5	121.18	2.8250	1.762
81.00	1328.5	1187.6	121.17	2.8025	1.765
82.00	1329.6	1188.7	121.17	2.7805	1.768
83.00	1330.7	1189.8	121.16	2.7590	1.771
84.00	1331.8	1190.9	121.17	2.7381	1.774
85.00	1332.8	1191.9	121.16	2.7176	1.776
86.00	1333.9	1193.0	121.17	2.6977	1.779
87.00	1334.9	1194.0	121.16	2.6782	1.782
88.00	1336.0	1195.1	121.15	2.6591	1.785
89.00	1336.9	1196.0	121.15	2.6404	1.787
90.00	1338.0	1197.0	121.15	2.6222	1.790
91.00	1338.9	1197.9	121.16	2.6044	1.793
92.00	1339.8	1198.9	121.14	2.5870	1.795
93.00	1340.8	1199.9	121.15	2.5699	1.798
94.00	1341.8	1200.9	121.13	2.5532	1.800
95.00	1342.7	1201.7	121.14	2.5368	1.803

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

DATE: 11/16/96

TIME: 12:52:16

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶	
96.00	1343.5	1202.6	121.14	2.5208	1.805	
97.00	1344.5	1203.5	121.12	2.5052	1.808	
98.00	1345.3	1204.4	121.13	2.4898	1.810	
99.00	1346.2	1205.3	121.12	2.4747	1.812	
100.00	1347.0	1206.1	121.13	2.4600	1.814	
101.00	1347.9	1206.9	121.12	2.4455	1.817	
102.00	1348.7	1207.8	121.12	2.4314	1.819	
103.00	1349.6	1208.7	121.13	2.4175	1.821	
104.00	1350.3	1209.4	121.11	2.4038	1.823	
105.00	1351.1	1210.2	121.11	2.3905	1.826	
106.00	1351.9	1211.0	121.11	2.3774	1.828	
107.00	1352.7	1211.8	121.11	2.3645	1.830	
108.00	1353.5	1212.5	121.11	2.3519	1.832	
109.00	1354.2	1213.3	121.11	2.3394	1.834	
110.00	1355.1	1214.2	121.10	2.3273	1.836	
111.00	1355.7	1214.8	121.10	2.3153	1.838	
112.00	1356.5	1215.6	121.10	2.3036	1.840	
113.00	1357.2	1216.3	121.11	2.2920	1.842	
114.00	1357.9	1217.0	121.09	2.2807	1.844	
115.00	1358.7	1217.8	121.10	2.2696	1.846	
116.00	1359.3	1218.4	121.11	2.2586	1.848	
117.00	1360.0	1219.1	121.10	2.2479	1.850	
***** End Shut-in 2	118.00	1360.7	1219.8	121.09	2.2373	1.851
***** Final Hydro.	456.00	2605.3	0.0	121.29		

TEST HISTORY

9081 DST#3 Roehr #1-17 Cross Bar Pet. Inc.

Flag Points

t (Min.) P (PSig)

A:	0.00	2759.90
B:	0.00	30.41
C:	58.00	92.93
D:	60.00	1359.03
E:	0.00	91.63
F:	88.00	140.92
G:	118.00	1360.67
Q:	0.00	2605.27

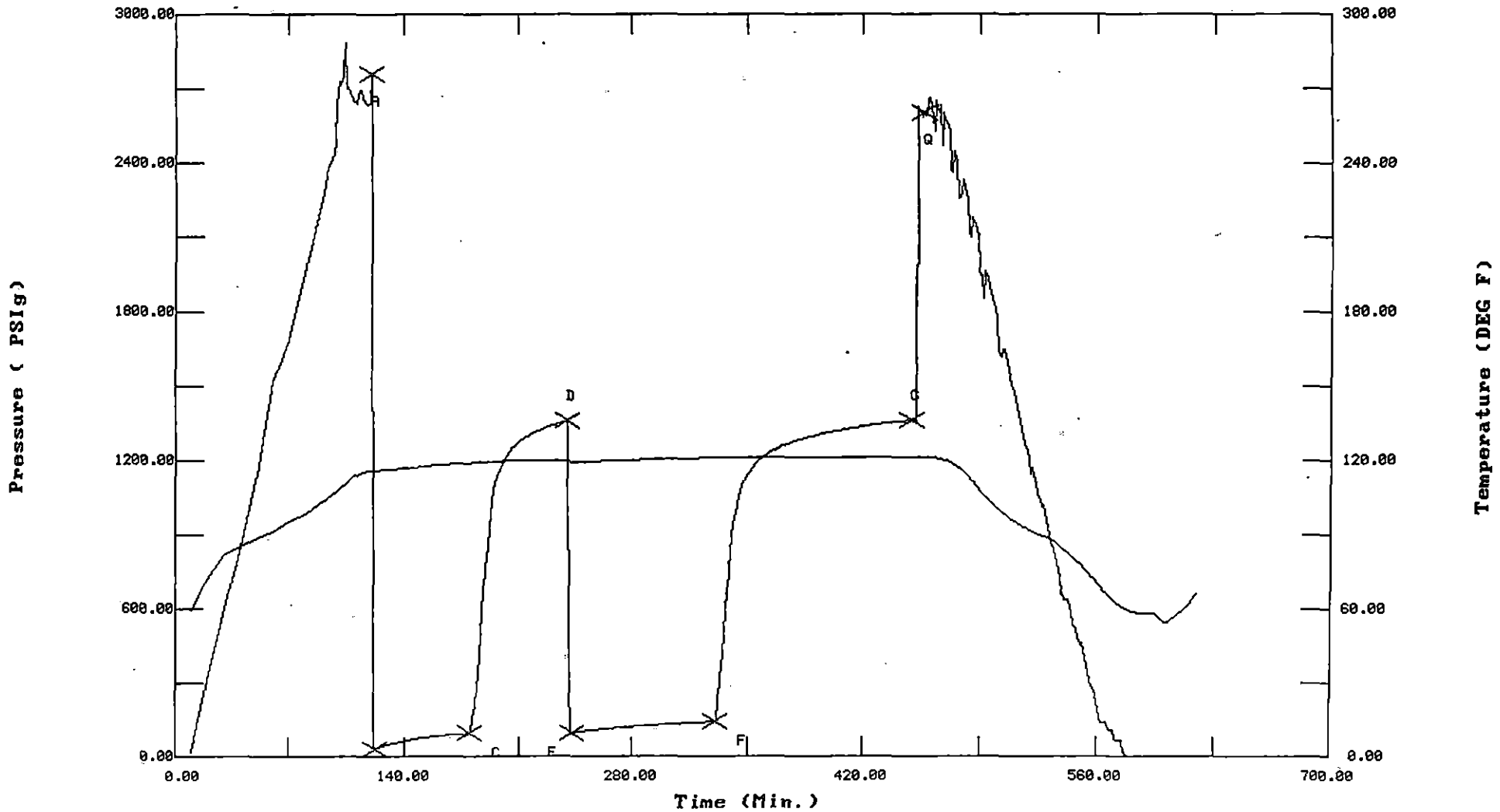
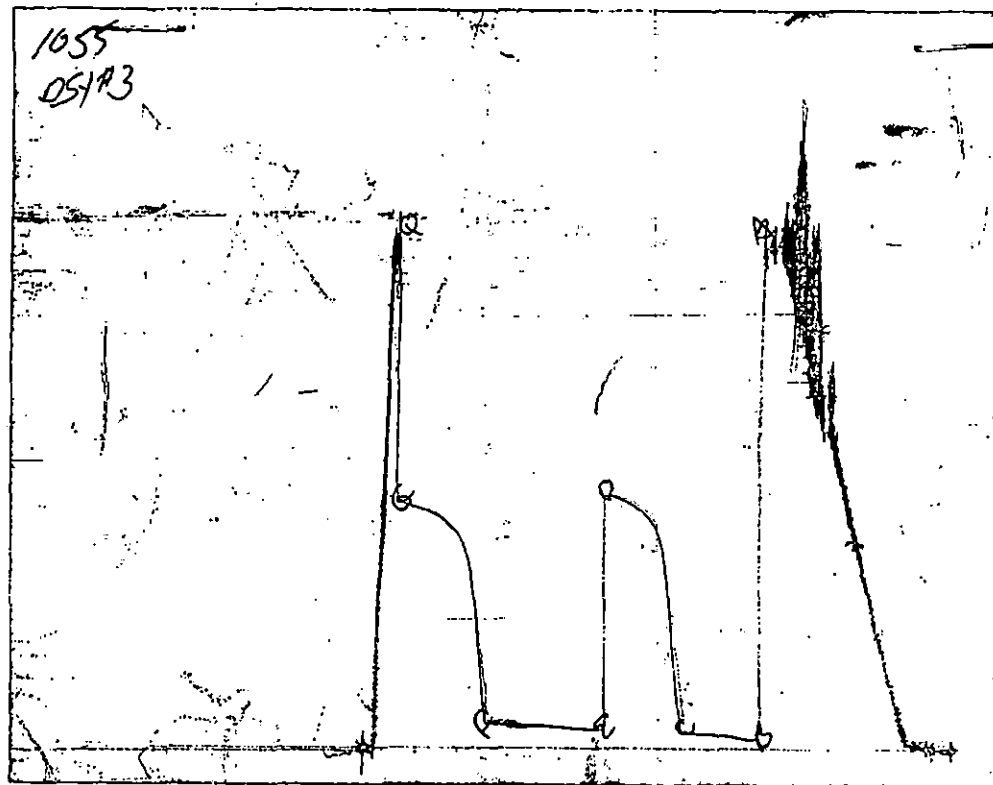
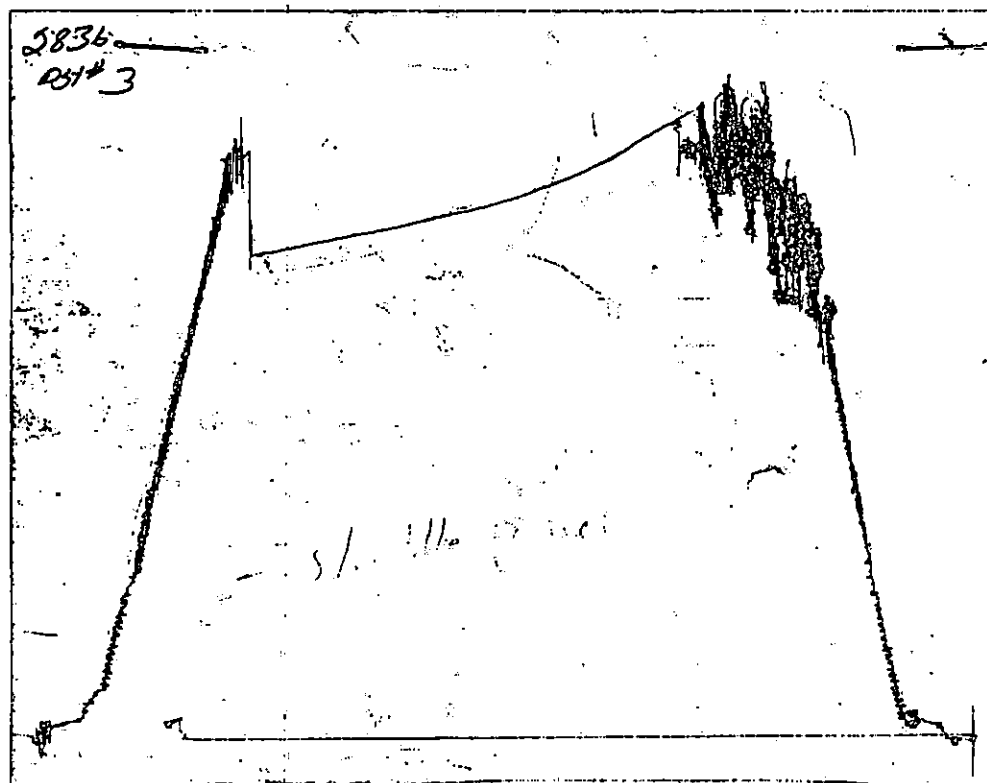


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

CHART PAGE



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