

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

Purchaser: N/A

Operator Contact Person: ALBERT BRENSING

Phone (316) 265-2279

Contractor: Name: MALLARD JV, INC.

License: 4958

Wellsite Geologist: STEVE DAVIS

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

¹⁰
12-12-96 ¹⁰
12-22-96 ¹⁰
12-22-96
Spud Date Date Reached TD Completion Date

API NO. 15- 171-205030000

County SCOTT

30' N. SE - SW - NE 31 Sec. 31 Twp. 17S Rge. 31 X W

2280 Feet from X (circle one) Line of Section

1650 Feet from X (circle one) Line of Section

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

Lease Name HUCK Well # 1-31

Field Name BECKELY NORTH

Producing Formation N/A

Elevation: Ground 2955' KB 2960'

Total Depth 4690' PBTB _____

Amount of Surface Pipe Set and Cemented at 280' Feet

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 JN 4-23-98
(Data must be collected from the Reserve Pit)

Chloride content 1500 ppm Fluid volume 500 bbls

Dewatering method used Allow to evaporate and then fill in pits.

Location of fluid disposal if hauled offsite:

Operator Name ALBERT BRENSING 12-18-96

Lease Name CROSS BAR PETROLEUM License No. _____

Quarter 1 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]

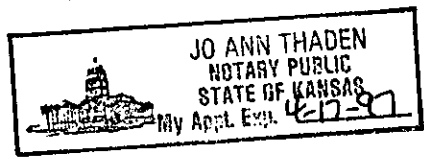
Title ALBERT BRENSING, PRESIDENT Date 12-17-96

Subscribed and sworn to before me this 17TH day of DECEMBER, 19 96.

Notary Public [Signature]

Date Commission Expires 4-17-97

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



Operator Name CROSS BAR PETROLEUM, INC. Lease Name HUCK Well # 1-31

Sec. 31 Twp. 17S Rge. 31W East West
 County SCOTT

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.)

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

CONFIDENTIAL

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PAR HEREOF.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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#	280'	60/40 POZMIX	190	2% GEL 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top' Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Plugging <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-4690'	60/40 POZMIS	255	6% GEL, 1/4# FLOSELA PER SACK

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

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

Date of First, Resumed Production, SWD or Inj.	Producing Method
D&A	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____
 Production Interval _____

CONFIDENTIAL

ORIGINAL

CONFIDENTIAL

EXHIBIT "A"

15-171-20503-00-00

Cross Bar Petroleum, Inc. #1-31 Huck
SE SW NE 31-T17S-R31W (2280' FNL & 1650' FEL)
Scott County, Kansas

Results of DST #1, 3923-53', Toronto & Lansing 'A', 45-60-45-60, 1st op - OB in 20", 2nd op - built to 6". Recovered 50' WM, 680' SW (chl 42000 ppm). IHP 1942, IFP 83-228, ISIP 1130, FFP 280-343, FSIP 1010, FHP 1912, BHT 120°F.

Results of DST #2, 4140-4205', Lansing I & J, 45-60-45-60, 1st op - OB in 20", 2nd op - OB in 25", Recovered 210' of VSOCWM, 680' sulphur water, IHP 2123, IFP 93-259, ISIP 1030, FFP 322-415, FSIP 1040, FHP 2093, BHT 121°F (chl 36,000 ppm), SHS 1/2°.

Results of DST #3, 4210-40', Lansing 'K', 45-60-45-60, 1st op - built to 8", 2nd op - built to 2", Recovered 15' VSOCWM, 525' sulphur wtr. IHP 2123, IFP 83-176, ISIP 979, FFP 207-259, FSIP 979, FHP 2063, Chl 32,000, BHT 120°F.

Results of DST #4, 4544-4580', Morrow Sand, 30-60-15-60, 1st op - wk surface blow, died in 15", 2nd op - no blow. Flushed tool, no help. Recovered 5' DM, IHP 2283, IFP 18-20, ISIP 37, FFP 20-23, FSIP 104, FHP 2229, BHT 126°F.

LOT TOPS

FORMATION KB	2960	
SE SW NE		
SEC. 31-T17S-R31W		
	DEPTH	SUBSEA
TOP ANHYDRITE	2254	706
BASE ANHYDRITE	2314	646
HEEBNER	3903	-943
LANSING	3942	-982
MARMATON	4350	-1390
CHEROKEE SHALE	4464	-1504
MORROW SHALE	4560	-1600
MORROW SAND	Abst	
MISSISSIPPIAN	4571	-1611
RTD	4690	-1730

REC 17
CONFIDENTIAL

RELEASED

SEP 25 1990

FROM CONFIDENTIAL

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

ALLIED CEMENTING COMPANY, INC.

KCC

RECEIVED OCT 31 1996

P. O. BOX 31

RUSSELL, KANSAS, 67665

TO: Cross Bar Petroleum, Inc.

INVOICE NO. 73644

151 N. Main, #630

PURCHASE ORDER NO. _____

Wichita, KS 67202-1407

LEASE NAME Huck 1-31

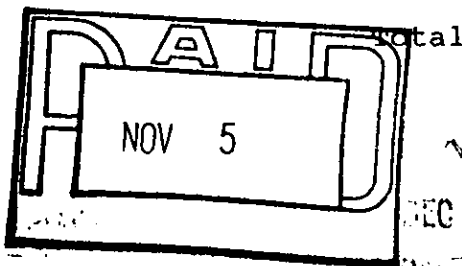
CONFIDENTIAL

DATE 10-21-96

SERVICE AND MATERIALS AS FOLLOWS:

Common 153 sks @\$6.10	\$933.30	
Pozmix 102 sks @\$3.15	321.30	
GEL 13 sks @\$9.50	<u>123.50</u>	\$1,378.10
Handling 255 sks @\$1.05	267.75	
Mi @\$.04¢ per sk per mi (15)	153.00	
Rotary Plug	550.00	
Mi @\$2.85 pmp trk chg	42.75	
1 plug	<u>23.00</u>	<u>1,036.50</u>
		<u>\$2,414.60</u>

If Account CURRENT a
Discount of \$ 362.19
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.



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. 6906

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

SERVICE POINT: Oakley

DATE <u>10-12-96</u>	SEC. <u>31</u>	TWP. <u>17s</u>	RANGE <u>31 w</u>	CALLED OUT	ON LOCATION <u>8:30 PM</u>	JOB START <u>9:35 PM</u>	JOB FINISH <u>9:55 PM</u>
LEASE <u>Huck</u>		WELL # <u>1-31</u>		LOCATION <u>6W 4N 1/2 E Scott City</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>

CONFIDENTIAL

OLD OR NEW (Circle one)

CONTRACTOR Mallard Drilg

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 280'

CASING SIZE 8 7/8 DEPTH 280'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

OWNER Same

CEMENT

AMOUNT ORDERED 190 sks 60/40 3% cc
2% Gel

COMMON	<u>114</u>	SKs	@	<u>7.20</u>	<u>820.80</u>
POZMIX	<u>76</u>	SKs	@	<u>3.15</u>	<u>239.40</u>
GEL	<u>4</u>	SKs	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>6</u>	SKs	@	<u>28.00</u>	<u>168.00</u>
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____
_____	_____	_____	@	_____	_____

EQUIPMENT

PUMP TRUCK # 300 CEMENTER Dean
HELPER Wayne

BULK TRUCK # 218 DRIVER Jeff

BULK TRUCK # _____ DRIVER _____

HANDLING 190 sks @ 1.05 199.50

RELEASED MILEAGE 48 per sk/mile 364.80

SEP 29 1996

TOTAL 4,830.50

REMARKS: FROM CONFIDENTIAL SERVICE

Cement did circulate

Thank you

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 445.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 48 mile @ 2.85 136.80

PLUG 8 7/8 Ser-Face Plug @ _____ 45.00

_____ @ _____

_____ @ _____

TOTAL 626.80

CHARGE TO: Cross Bar Petroleum

STREET 151 N. Main #630

CITY Wichita STATE Kansas ZIP 67202-1407

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 L.R. Ueda

TELEPHONE:

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

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED OCT 21 1996

TO: Cross Bar Petroleum
151 N. Main #630
Wichita, Ks. 67202 1407

INVOICE NO. 73561
PURCHASE ORDER NO. _____
LEASE NAME Huck 1-31
DATE Oct. 12, 1996

CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 114 sks. @ \$7.20	\$ 820.80
Pozmix 76 sks @ \$3.15	239.40
Gel 4 sks. @ \$9.50	38.00
Chloride 6 sks. @ \$28.00	<u>168.00</u>

RELEASED

SEP 25 1996

\$ 1,266.20

Handling 190 sks @ \$1.05	199.50
Mileage (48) @ \$0.0 c per sk per mi	364.80
Surface	445.00
Mi @ \$2.85 pmp. trk.	136.80
1 plug	<u>45.00</u>

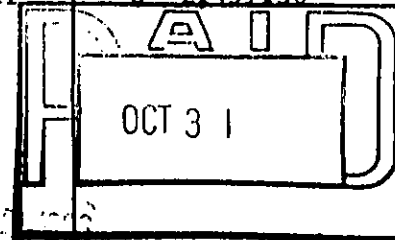
FROM CONFIDENTIAL

1,191.10

Total \$ 2,457.30

If Account CURRENT a
Discount of \$ 368.59
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

ENTERED OCT 21 1996



Thank You!

Following Date of Invoice. 1 1/2 % Charged Thereafter.

REC 17
OCT 17 1996

ALLIED CEMENTING CO., INC.

1182

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

SERVICE POINT:

10-22-96 *Arrested*

DATE <u>10-21-96</u>	SEC <u>31</u>	TWP <u>17</u>	RANGE <u>31</u>	CALLED OUT <u>9:30 AM</u>	ON LOCATION <u>12:30 AM</u>	JOB START <u>1:30 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE <u>Huck</u>	WELL # <u>1-31</u>	LOCATION <u>Healy W. & M.L. # 45 1/2 E 1/3</u>			COUNTY <u>SCOTT</u>	STATE <u>K.S.</u>	

OR (Circle one)

CONTRACTOR <u>Mallard Drilling</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Rotary Plug</u>	CEMENT
HOLE SIZE <u>T.D. 4690 ft</u>	AMOUNT ORDERED <u>255 ^{4.00} @ 6.65 = 1685.25 + 14.50 = 1700</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>275 ft</u>
TUBING SIZE <u>4 1/2</u>	DEPTH <u>2315 ft</u>
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2315 ft</u>
TOOL <u>4 1/2</u>	DEPTH <u>2315 ft</u>
PRES. MAX <u> </u>	MINIMUM <u> </u>
MEAS. LINE <u> </u>	SHOE JOINT <u> </u>
CEMENT LEFT IN CSG. <u> </u>	
PERFS. <u> </u>	

COMMON <u>153</u>	@ <u>6.10</u>	<u>933.30</u>
POZMIX <u>102</u>	@ <u>3.15</u>	<u>321.30</u>
GEL <u>13</u>	@ <u>9.50</u>	<u>123.50</u>
CHLORIDE <u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
HANDLING <u>255</u>	@ <u>1.05</u>	<u>267.75</u>
MILEAGE <u>15</u>		<u>153.00</u>
		TOTAL <u>\$ 1798.85</u>

EQUIPMENT

PUMP TRUCK # <u>120</u>	CEMENTER <u>Mike m</u>
BULK TRUCK # <u> </u>	HELPER <u>Dunn</u>
BULK TRUCK # <u> </u>	DRIVER <u> </u>
BULK TRUCK # <u>423</u>	DRIVER <u>Bill w.</u>

REMARKS:

FROM CONFIDENTIAL SERVICE

Mix 50 sk at 2315 ft Displace Down with mud
 Mix 50 sk at 1680 ft Displace Down with water
 Mix 40 sk at 800 ft Displace Down with water
 Mix 50 sk at 320 ft Displace Down with water
 mix 10 sk at 40 ft with plug at 40 ft
 mix 15 sk at 90 ft
 mix 10 sk at 100 ft

DEPTH OF JOB <u>2315 ft</u>	
PUMP TRUCK CHARGE <u> </u>	<u>550.00</u>
EXTRA FOOTAGE <u> </u>	@ <u> </u>
MILEAGE <u>15</u>	@ <u>2.85</u> <u>42.75</u>
PLUG <u>1-1/2" at 100 ft plug</u>	@ <u>23.00</u> <u>23.00</u>
<u> </u>	@ <u> </u>
<u> </u>	@ <u> </u>
TOTAL <u>\$ 615.75</u>	

CHARGE TO: Cross Bar Petroleum Inc
 STREET 151 N Main Suite 630
 CITY Wichita STATE Ks. ZIP 67202-1407
316-265-2279

FLOAT EQUIPMENT

<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
<u> </u>	@ <u> </u>	<u> </u>
TOTAL <u> </u>		

*Thank you
Allied Cementing Co. Inc
Mike + Dunn + Bill*

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.

TAX <u> </u>	<u> </u>
TOTAL CHARGE <u>\$ 2414.60</u>	
DISCOUNT <u>\$ 362.19</u>	IF PAID IN 30 DAYS

Net \$ 2052.41

ENTERED NOV 5 1996

SIGNATURE Paul J. Jorgensen

ORIGINAL

RUC

DEC 17

CONFIDENTIAL

CONFIDENTIAL

WELL NAME: Huck #1-31
COMPANY: Cross Bar Petroleum Inc.
LOCATION: Sec. 31 Twp. 17S Rge. 31W
Scott County Kansas

DATE: 10-19-96

15-171-20503-00-00

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc.
 WELL NAME: Huck #1-31
 LOCATION : 31-17s-31w Scott KS
 INTERVAL : 3923.00 To 3953.00 ft

DATE 10-19-96
 KB 3000.00 ft TICKET NO: 9298 DST #1
 GR 2995.00 ft FORMATION: Toronto-L/KC 'A'
 TD 3953.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	13339	13339	13276			PF Fr. 0843 to 0928 hr
SI 60	Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 0928 to 1028 hr
SF 45	Clock(hrs)	12	12	12			SF Fr. 1028 to 1113 hr
FS 60	Depth(ft)	3948.0	3948.0	3943.0	0.0	0.0	FS Fr. 1113 to 1213 hr

	Field	1	2	3	4	
A. Init Hydro	1942.0	1921.0	0.0	0.0	0.0	T STARTED 0700 hr
B. First Flow	83.0	100.0	0.0	0.0	0.0	T ON BOTM 0841 hr
B1. Final Flow	228.0	238.0	0.0	0.0	0.0	T OPEN 0843 hr
C. In Shut-in	1130.0	1046.0	0.0	0.0	0.0	T PULLED 1213 hr
D. Init Flow	280.0	288.0	0.0	0.0	0.0	T OUT 1400 hr
E. Final Flow	343.0	367.0	0.0	0.0	0.0	
F. Fl Shut-in	1010.0	1016.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1912.0	1949.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 68000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 59000.00 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 248.00 ft
						D.P. Length 3664.00 ft
						H.W. I.D 2.70 in

RECOVERY

Tot Fluid 730.00 ft of 248.00 ft in DC and 482.00 ft in DP
 50.00 ft of Watery Mud
 0.00 ft of
 680.00 ft of Water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 42000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

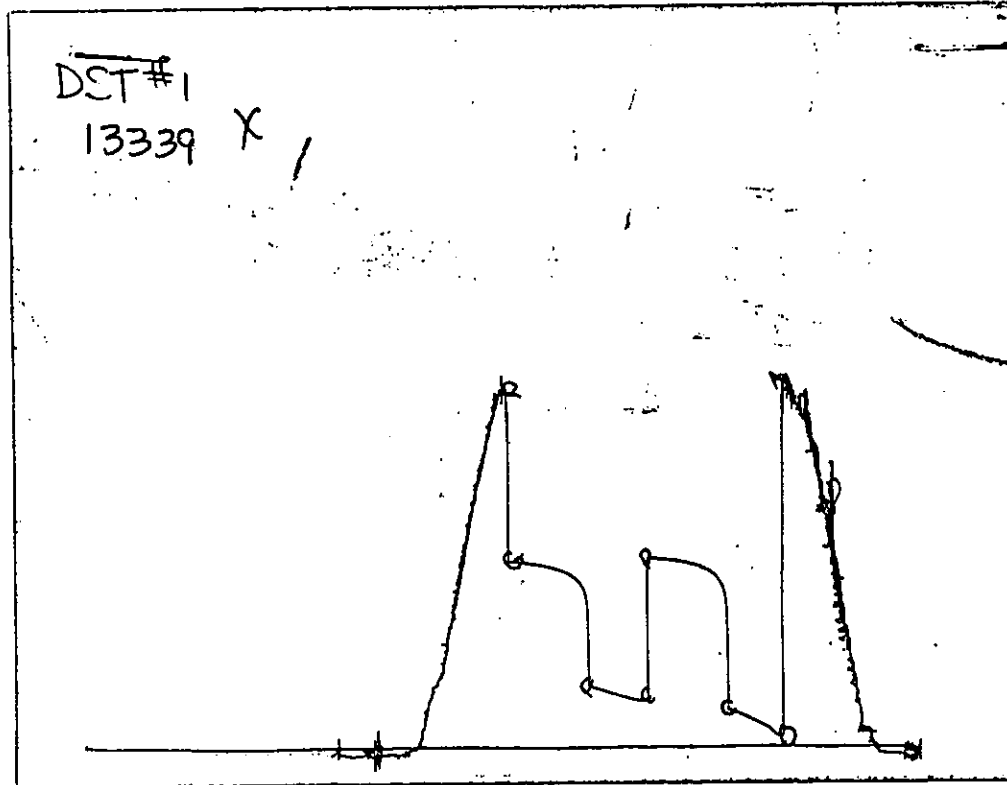
Initial Flow -
 Weak to fair blow off bottom in
 20 mins.
 Initial Shut-in -
 Bled off blow - no return
 Final Flow -
 Surface return in 1 min. - built
 to 6"
 Final Shut-in -
 Bled off blow - no return

SAMPLES:
 SENT TO:

MUD DATA-----	
Mud Type	Chem
Weight	9.00 lb/c
Vis.	44.00 S/L
W.L.	11.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc.
 WELL NAME: Huck #1-31
 LOCATION : 31-17s-31w Scott KS
 INTERVAL : 4140.00 To 4205.00 ft

DATE 10-18-96

KB 3000.00 ft TICKET NO: 9299 DST #2
 GR 2995.00 ft FORMATION: Lans/KC "H I J"
 TD 4205.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	13339	13339	13276			PF Fr. 1417 to 1502 hr
SI 60	Range (Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 1502 to 1602 hr
SF 45	Clock (hrs)	12	12	12			SF Fr. 1602 to 1647 hr
FS 60	Depth (ft)	4200.0	4200.0	4165.0	0.0	0.0	FS Fr. 1647 to 1747 hr

	Field	1	2	3	4	
A. Init Hydro	2123.0	2153.0	0.0	0.0	0.0	T STARTED 1245 hr
B. First Flow	93.0	123.0	0.0	0.0	0.0	T ON BOTM 1415 hr
B1. Final Flow	259.0	283.0	0.0	0.0	0.0	T OPEN 1417 hr
C. In Shut-in	1030.0	1059.0	0.0	0.0	0.0	T PULLED 1747 hr
D. Init Flow	322.0	341.0	0.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	415.0	441.0	0.0	0.0	0.0	
F. Fl Shut-in	1040.0	1047.0	0.0	0.0	0.0	
G. Final Hydro	2093.0	2141.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	62000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	248.00 ft
D.P. Length	3884.00 ft
H.W. I.D	2.70 in

RECOVERY

Tot Fluid 890.00 ft of 248.00 ft in DC and 642.00 ft in DP
 210.00 ft of Watery Mud with few specks oil
 0.00 ft of
 680.00 ft of Sulphur Water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 36000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chem
Weight	9.30 lb/c
Vis.	45.00 S/L
W.L.	8.70 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow -
 Weak to fair blow off bottom in
 20 mins.

Initial Shut-in -
 Bled off blow - no return

Final Flow -
 Weak return slowly built off
 bottom in 25 mins.

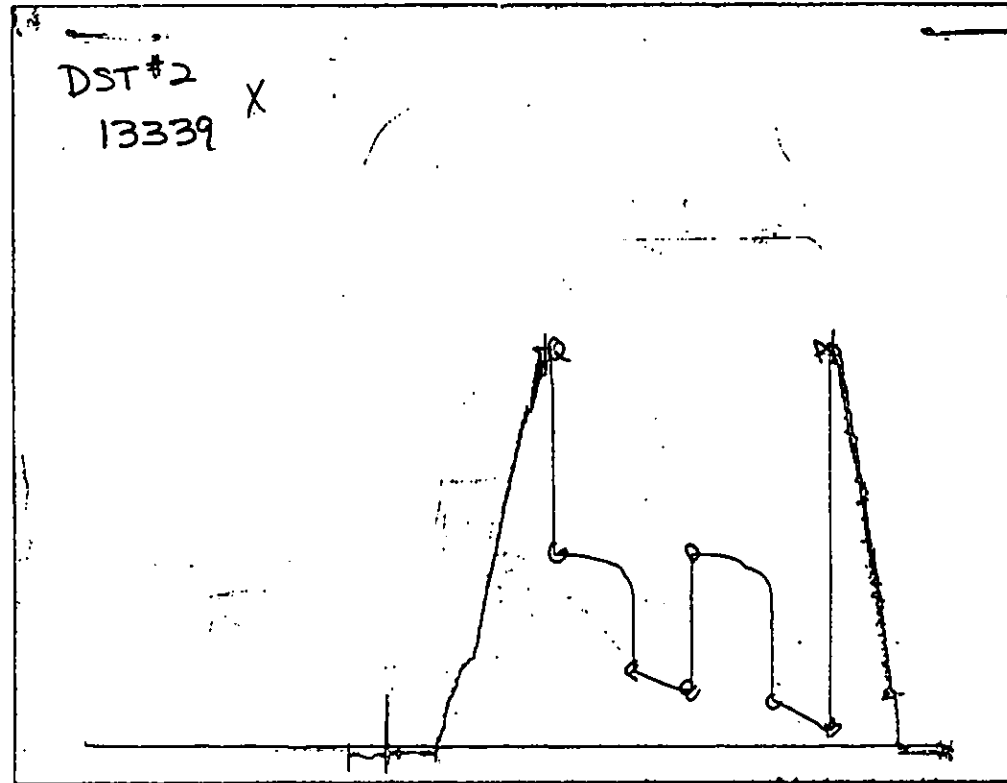
Final Shut-in -
 Bled off blow - no return

SAMPLES:
 SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	1210.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Rod Steinbrink
Co. Rep.	Steve Davis
Contr.	Mallard
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

15-171-20503-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc.
 WELL NAME: Huck #1-31
 LOCATION : 31-17s-31w Scott KS
 INTERVAL : 4210.00 To 4240.00 ft

DATE 10-19-96

KB 3000.00 ft TICKET NO: 9300 DST #3
 GR 2995.00 ft FORMATION: Lans/KC 'K'
 TD 4240.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	13339	13339	13276			PF Fr. 0415 to 0500 hr
SI 60	Range(Psi)	4000.0	4000.0	4000.0	0.0	0.0	IS Fr. 0500 to 0600 hr
SF 45	Clock(hrs)	12	12	12			SF Fr. 0600 to 0645 hr
FS 60	Depth(ft)	4235.0	4235.0	4230.0	0.0	0.0	FS Fr. 0645 to 0745 hr

	Field	1	2	3	4	
A. Init Hydro	2123.0	2119.0	0.0	0.0	0.0	T STARTED 0230 hr
B. First Flow	83.0	94.0	0.0	0.0	0.0	T ON BOTM 0413 hr
B1. Final Flow	176.0	182.0	0.0	0.0	0.0	T OPEN 0415 hr
C. In Shut-in	979.0	996.0	0.0	0.0	0.0	T PULLED 0745 hr
D. Init Flow	2067.0	205.0	0.0	0.0	0.0	T OUT 0930 hr
E. Final Flow	259.0	256.0	0.0	0.0	0.0	
F. Fl Shut-in	979.0	976.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2063.0	2082.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 540.00 ft of 248.00 ft in DC and 292.00 ft in DP
 15.00 ft of Watery mud with show of oil
 0.00 ft of
 525.00 ft of Sulphur Water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 32000.00 P.P.M. A.P.I. Gravity 0.00

T ON BOTM 0413 hr
 T OPEN 0415 hr
 T PULLED 0745 hr
 T OUT 0930 hr
 TOOL DATA-----
 Tool Wt. 0.00 lbs
 Wt Set On Packer 30000.00 lbs
 Wt Pulled Loose 60000.00 lbs
 Initial Str Wt 60000.00 lbs
 Unseated Str Wt 60000.00 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 248.00 ft
 D.P. Length 3947.00 ft
 H.W. I.D 2.70 in

BLOW DESCRIPTION

Initial Flow -
 Weak to fair blow built to 8"
 Initial Shut-in -
 No return blow
 Final Flow -
 Surface blow built to 2"
 Final Shut-in -
 No return blow

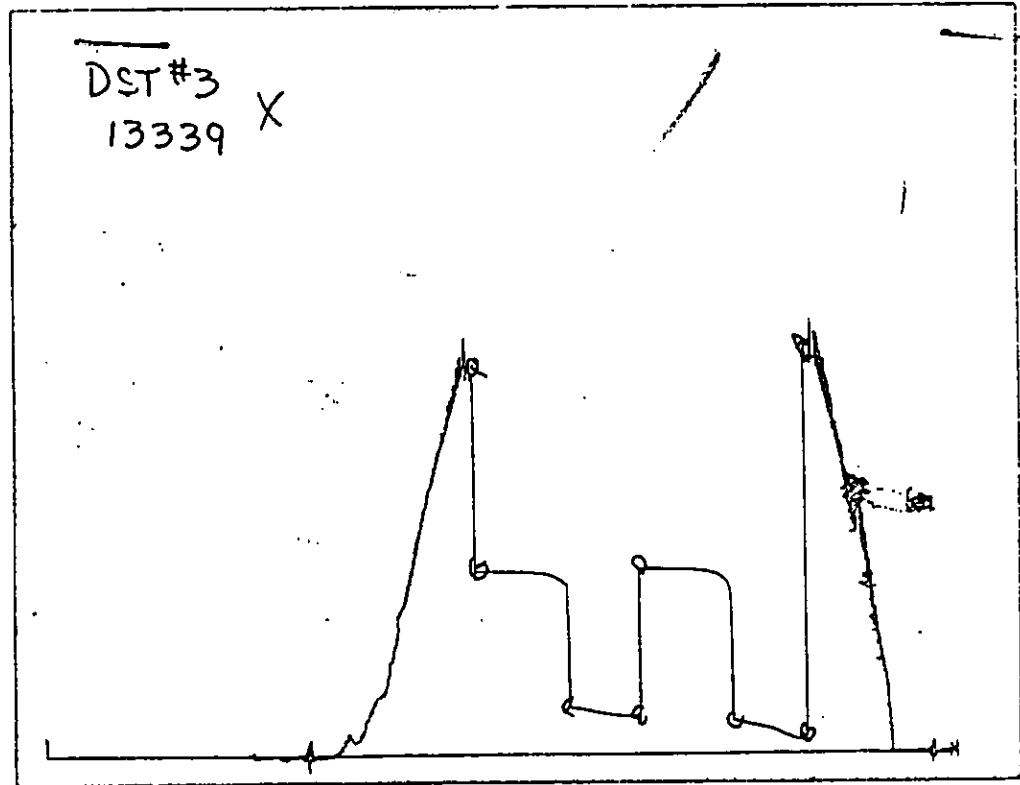
MUD DATA-----

Mud Type Chem
 Weight 9.30 lb/c
 Vis. 44.00 S/L
 W.L. 8.20 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 1210.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Rod Steinbrink
 Co. Rep. Steve Davis
 Contr. Mallard
 Rig # 2
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



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

15-171-20503-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc
 WELL NAME: Huck #1-31
 LOCATION : 31-17s-31w Scott KS
 INTERVAL : 4544.00 To 4580.00 ft

DATE 10-20-96

KB 3000.00 ft TICKET NO: 9551 DST #4
 GR 2995.00 ft FORMATION: Morrow
 TD 4580.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2341			PF Fr. 2143 to 2213 hr
SI 60 Range (Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2213 to 2315 hr
SF 15 Clock (hrs)	12 HR	12 HR	elec.			SF Fr. 2315 to 2330 hr
FS 60 Depth (ft)	4575.0	4575.0	4546.0	0.0	0.0	FS Fr. 2330 to 0030 hr

	Field	1	2	3	4	
A. Init Hydro	2323.0	2322.0	2283.0	0.0	0.0	T STARTED 2000 hr
B. First Flow	41.0	59.0	18.0	0.0	0.0	T ON BOTM 2141 hr
B1. Final Flow	41.0	52.0	20.0	0.0	0.0	T OPEN 2143 hr
C. In Shut-in	52.0	53.0	37.0	0.0	0.0	T PULLED 0030 hr
D. Init Flow	52.0	59.0	20.0	0.0	0.0	T OUT 0215 hr
E. Final Flow	52.0	64.0	23.0	0.0	0.0	
F. Fl Shut-in	114.0	112.0	104.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2303.0	2308.0	2229.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 5.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow -
 Weak surface blow died in 15 mins.
 Final Flow -
 No return flushed tool / good surge-
 No return blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 45.00 S/L
 W.L. 9.00 in3
 F.C. 0.00 in
 Mud Drop N
 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 Rod Steinbrink
 Co. Rep. Steve Davis
 Contr. Mallard
 Rig # 2
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Huck #1-31

LOCATION : 31-17s-31w Scott KS

TICKET No. 9551 D.S.T. No. 4 DATE 10-20-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 36

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands4 Single Total 248

D.P. ABOVE TOOLS.Stands68 Single 1 Total 4291

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4600

TOTAL DEPTH 4580

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

P.O. SUB 1' above 120' DC	4397
C.O. SUB 1'	4517
S.I. TOOL 5'	4523
HMV 5'	4528
JARS 5'	4533
SAFETY JOINT 2'	4535
PACKER 5'	4540
PACKER 4'	4544
DEPTH STUBB 1'	4545
ANCHOR	
Alp Rec. @	4546
30' Perf.	4575
T.C. DEPTH	
BULLNOSE 5' W/AK-1 Rec @	4575
T.D.	4580

TEST HISTORY

9551 DST #4 Huck #1-31 CrossBar Pet. Inc.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2283.46
B:	0.00	18.66
C:	31.00	20.22
D:	63.00	37.91
E:	0.00	20.70
F:	12.00	23.49
G:	60.00	104.00
Q:	0.00	2229.16

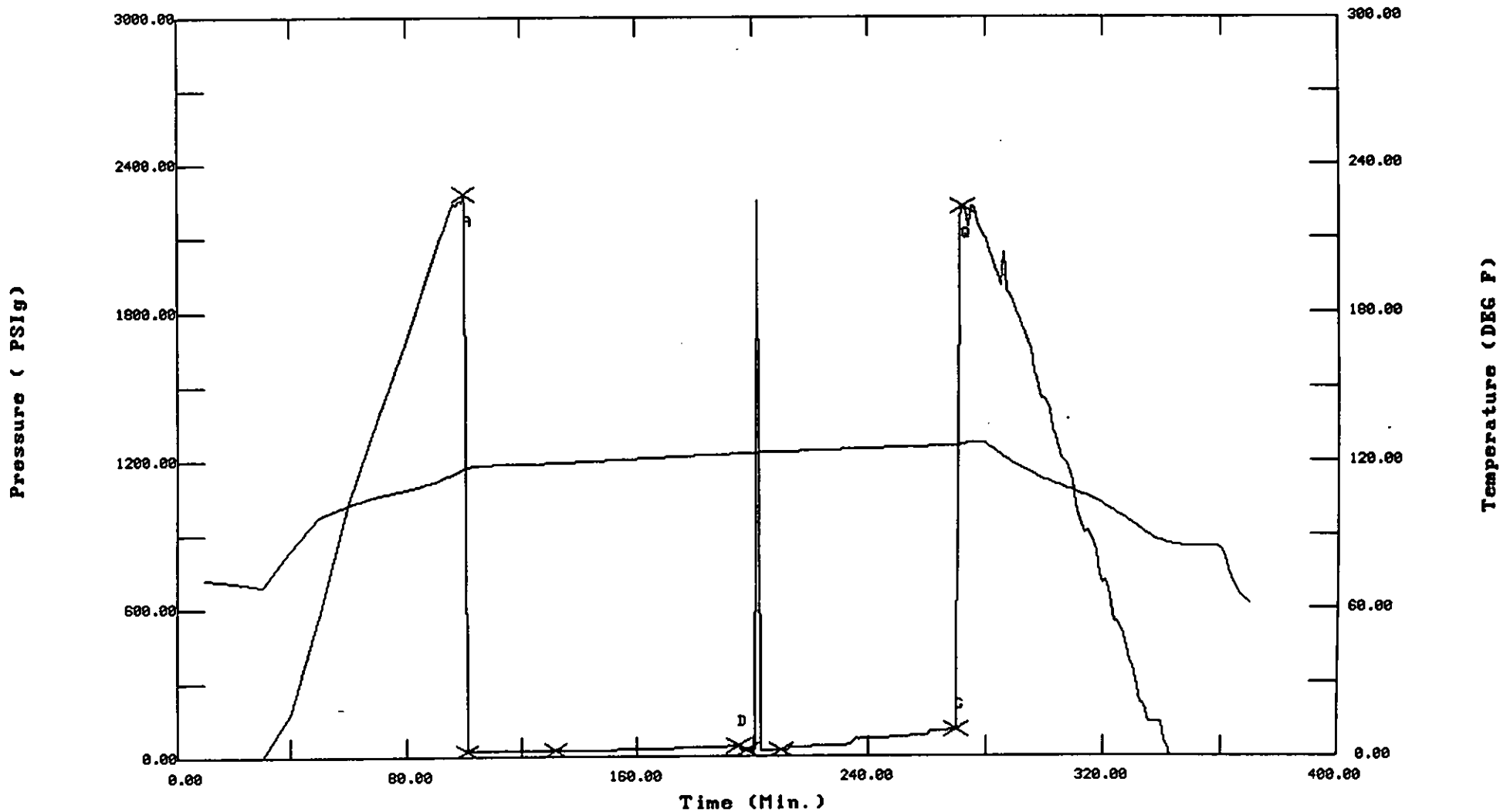
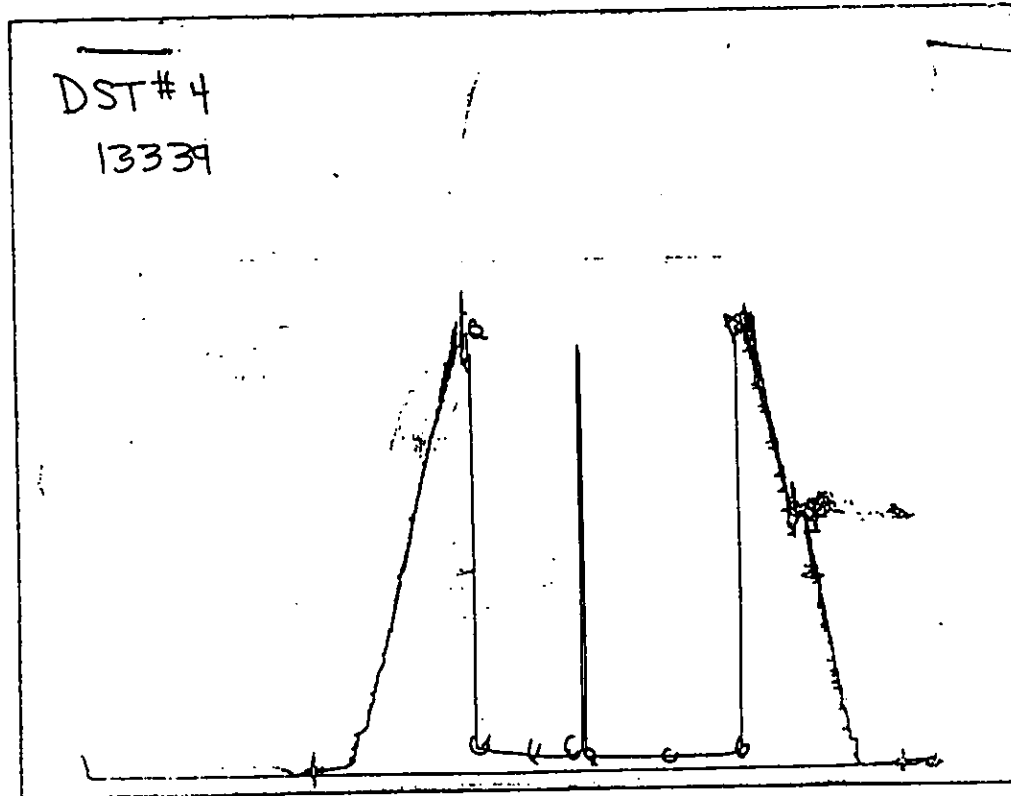


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9551 DST #4 Huck #1-31 CrossBar Pet. Inc.

DATE: 10/20/96 TIME: 20:00:33

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	100.00	2283.5	0.0	116.97		
***** Start Flow 1	0.00	18.7	0.0	117.30		
	1.00	19.1	0.4	117.61		
	2.00	19.2	0.6	117.85		
	3.00	19.4	0.7	118.02		
	4.00	19.5	0.8	118.14		
	5.00	19.5	0.9	118.23		
	6.00	19.6	0.9	118.31		
	7.00	19.7	1.0	118.33		
	8.00	19.7	1.1	118.35		
	9.00	19.7	1.1	118.41		
	10.00	19.8	1.2	118.47		
	11.00	19.8	1.2	118.48		
	12.00	19.9	1.2	118.50		
	13.00	19.8	1.2	118.52		
	14.00	19.9	1.2	118.54		
	15.00	19.9	1.2	118.56		
	16.00	19.9	1.3	118.57		
	17.00	19.9	1.2	118.60		
	18.00	19.9	1.3	118.63		
	19.00	20.0	1.3	118.66		
	20.00	20.0	1.4	118.70		
	21.00	20.0	1.4	118.73		
	22.00	20.0	1.3	118.76		
	23.00	20.0	1.4	118.80		
	24.00	20.0	1.4	118.85		
	25.00	20.1	1.4	118.89		
	26.00	20.0	1.3	118.94		
	27.00	20.1	1.5	118.99		
	28.00	20.1	1.5	119.04		
	29.00	20.2	1.5	119.09		
	30.00	20.2	1.6	119.13		
***** End Flow 1	31.00	20.2	1.6	119.18		
***** Start Shutin 1	0.00	20.2	0.0	119.18	0.0000	0.000
	1.00	19.8	-0.4	119.23	32.0000	0.000
	2.00	19.2	-1	119.30	16.5000	0.000
	3.00	19.6	-0.6	119.35	11.3333	0.000
	4.00	19.8	-0.4	119.40	8.7500	0.000
	5.00	20.1	-0.1	119.46	7.2000	0.000
	6.00	20.4	0.1	119.52	6.1667	0.000
	7.00	20.6	0.4	119.57	5.4286	0.000
	8.00	20.8	0.6	119.63	4.8750	0.000
	9.00	21.1	0.9	119.69	4.4444	0.000
	10.00	21.4	1.2	119.75	4.1000	0.000
	11.00	21.7	1.4	119.80	3.8182	0.000
	12.00	21.9	1.7	119.86	3.5833	0.000
	13.00	22.2	1.9	119.93	3.3846	0.000
	14.00	22.5	2.2	119.99	3.2143	0.001
	15.00	22.8	2.6	120.04	3.0667	0.001
	16.00	23.0	2.8	120.11	2.9375	0.001
	17.00	23.3	3.1	120.17	2.8235	0.001

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9551 DST #4 Huck #1-31 CrossBar Pet. Inc.

DATE: 10/20/96

TIME: 20:00:33

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
18.00	23.6	3.4	120.23	2.7222	0.001
19.00	23.9	3.7	120.30	2.6316	0.001
20.00	24.1	3.9	120.37	2.5500	0.001
21.00	24.4	4.2	120.40	2.4762	0.001
22.00	24.6	4.4	120.43	2.4091	0.001
23.00	24.9	4.7	120.46	2.3478	0.001
24.00	25.2	5.0	120.56	2.2917	0.001
25.00	25.5	5.3	120.61	2.2400	0.001
26.00	25.8	5.6	120.68	2.1923	0.001
27.00	26.2	5.9	120.74	2.1481	0.001
28.00	26.4	6.2	120.80	2.1071	0.001
29.00	26.7	6.4	120.85	2.0690	0.001
30.00	27.0	6.7	120.92	2.0333	0.001
31.00	27.3	7.1	120.97	2.0000	0.001
32.00	27.5	7.3	121.03	1.9688	0.001
33.00	27.9	7.7	121.07	1.9394	0.001
34.00	28.2	8.0	121.15	1.9118	0.001
35.00	28.4	8.2	121.20	1.8857	0.001
36.00	28.8	8.6	121.26	1.8611	0.001
37.00	29.1	8.8	121.30	1.8378	0.001
38.00	29.4	9.2	121.37	1.8158	0.001
39.00	29.7	9.5	121.43	1.7949	0.001
40.00	30.0	9.8	121.47	1.7750	0.001
41.00	30.3	10.1	121.54	1.7561	0.001
42.00	30.7	10.4	121.61	1.7381	0.001
43.00	30.9	10.7	121.67	1.7209	0.001
44.00	31.2	11.0	121.73	1.7045	0.001
45.00	31.6	11.4	121.78	1.6889	0.001
46.00	32.0	11.8	121.82	1.6739	0.001
47.00	32.3	12.1	121.92	1.6596	0.001
48.00	32.7	12.4	121.92	1.6458	0.001
49.00	33.1	12.8	122.03	1.6327	0.001
50.00	33.4	13.1	122.09	1.6200	0.001
51.00	33.6	13.4	122.11	1.6078	0.001
52.00	34.0	13.8	122.17	1.5962	0.001
53.00	34.3	14.1	122.21	1.5849	0.001
54.00	34.8	14.5	122.26	1.5741	0.001
55.00	35.0	14.8	122.32	1.5636	0.001
56.00	35.4	15.2	122.37	1.5536	0.001
57.00	35.7	15.5	122.42	1.5439	0.001
58.00	36.1	15.9	122.48	1.5345	0.001
59.00	36.4	16.2	122.53	1.5254	0.001
60.00	36.8	16.6	122.57	1.5167	0.001
61.00	37.1	16.9	122.62	1.5082	0.001
62.00	37.6	17.3	122.67	1.5000	0.001
63.00	37.9	17.7	122.72	1.4921	0.001
***** End Shut-in 1					
***** Start Flow 2	0.00	20.7	0.0	122.87	
	1.00	20.7	0.0	122.90	
	2.00	20.7	0.0	122.95	
	3.00	29.2	8.5	122.99	
	4.00	2251.7	2231.0	123.21	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9551 DST #4 Huck #1-31 CrossBar Pet. Inc.

DATE: 10/20/96

TIME: 20:00:33

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	5.00	22.5	1.8	123.24		
	6.00	22.8	2.1	123.28		
	7.00	23.0	2.3	123.33		
	8.00	23.1	2.4	123.37		
	9.00	23.1	2.4	123.41		
	10.00	23.0	2.3	123.44		
	11.00	23.1	2.4	123.49		
***** End Flow 2	12.00	23.5	2.8	123.54		
***** Start Shutin 2	0.00	23.5	0.0	123.54	0.0000	0.001
	1.00	21.5	-2.0	123.58	44.0000	0.000
	2.00	22.3	-1.2	123.62	22.5000	0.000
	3.00	33.8	10.3	123.66	15.3333	0.001
	4.00	33.6	10.1	123.70	11.7500	0.001
	5.00	34.0	10.5	123.76	9.6000	0.001
	6.00	34.5	11.0	123.79	8.1667	0.001
	7.00	35.0	11.5	123.85	7.1429	0.001
	8.00	35.3	11.8	123.89	6.3750	0.001
	9.00	35.8	12.3	123.93	5.7778	0.001
	10.00	36.3	12.8	123.98	5.3000	0.001
	11.00	36.7	13.2	124.02	4.9091	0.001
	12.00	37.3	13.8	124.05	4.5833	0.001
	13.00	37.7	14.2	124.09	4.3077	0.001
	14.00	38.1	14.6	124.13	4.0714	0.001
	15.00	38.6	15.1	124.18	3.8667	0.001
	16.00	39.2	15.7	124.23	3.6875	0.002
	17.00	39.7	16.2	124.26	3.5294	0.002
	18.00	40.1	16.7	124.31	3.3889	0.002
	19.00	40.6	17.1	124.36	3.2632	0.002
	20.00	41.6	18.1	124.39	3.1500	0.002
	21.00	42.2	18.7	124.43	3.0476	0.002
	22.00	42.7	19.2	124.47	2.9545	0.002
	23.00	43.1	19.6	124.52	2.8696	0.002
	24.00	43.7	20.2	124.57	2.7917	0.002
	25.00	56.1	32.6	124.60	2.7200	0.003
	26.00	66.9	43.4	124.65	2.6538	0.004
	27.00	66.6	43.1	124.70	2.5926	0.004
	28.00	68.0	44.5	124.73	2.5357	0.005
	29.00	68.2	44.7	124.77	2.4828	0.005
	30.00	68.7	45.2	124.81	2.4333	0.005
	31.00	69.2	45.7	124.85	2.3871	0.005
	32.00	69.8	46.3	124.89	2.3438	0.005
	33.00	70.2	46.8	124.93	2.3030	0.005
	34.00	70.9	47.4	124.98	2.2647	0.005
	35.00	71.4	47.9	125.01	2.2286	0.005
	36.00	72.1	48.6	125.05	2.1944	0.005
	37.00	72.6	49.1	125.09	2.1622	0.005
	38.00	73.3	49.8	125.14	2.1316	0.005
	39.00	74.0	50.5	125.17	2.1026	0.005
	40.00	74.8	51.3	125.21	2.0750	0.006
	41.00	75.5	52.0	125.25	2.0488	0.006
	42.00	76.4	52.9	125.29	2.0238	0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9551 DST #4 Huck #1-31 CrossBar Pet. Inc.

DATE: 10/20/96

TIME: 20:00:33

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	43.00	77.1	53.6	125.33	2.0000	0.006
	44.00	77.9	54.4	125.37	1.9773	0.006
	45.00	78.8	55.3	125.41	1.9556	0.006
	46.00	79.8	56.3	125.45	1.9348	0.006
	47.00	80.6	57.1	125.48	1.9149	0.006
	48.00	81.5	58.0	125.52	1.8958	0.007
	49.00	82.3	58.8	125.56	1.8776	0.007
	50.00	83.2	59.7	125.60	1.8600	0.007
	51.00	98.8	75.3	125.64	1.8431	0.01
	52.00	98.7	75.2	125.67	1.8269	0.01
	53.00	99.3	75.8	125.70	1.8113	0.01
	54.00	99.9	76.4	125.75	1.7962	0.01
	55.00	100.7	77.2	125.79	1.7818	0.010
	56.00	101.4	77.9	125.83	1.7679	0.010
	57.00	102.1	78.6	125.85	1.7544	0.010
	58.00	103.0	79.5	125.89	1.7414	0.011
	59.00	103.9	80.4	125.93	1.7288	0.011
***** End Shut-in 2	60.00	104.8	81.3	125.97	1.7167	0.011
***** Final Hydro.	272.00	2229.2	0.0	126.38		