

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

API NO. -15--_171-205190000

County SCOTT

-NW_SE_SE_ Sec. 26 Twp. 17S Rge. 32 X_W

890 Feet from S/X (circle one) Line of Section

890 Feet from E/X (circle one) Line of Section

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

Lease Name -BROOKOVER Well # 1-26

Field Name WILDCAT

Producing Formation

Elevation: Ground 2972' KB 2983'

Total Depth 4748' PBD 4700'

Amount of Surface Pipe Set and Cemented at 9 JTS @ 336; KB

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from
Washed down but drilled out of old hole. TD Plugged.
feet depth to W/ sx cmt.

Drilling Fluid Management Plan D+H, 9-1-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 2,500 ppm Fluid volume 1,400 bbls

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

Location of fluid disposal if hauled offsite:

Operator Name NOV 10

Lease Name License No.

County S Rng. E/W

County Docket No.

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address 7570 W. 21ST, BLDG 1014-B

City/State/Zip WICHITA KS 67205

Purchaser: N/A

Operator Contact Person: ALBERT BRENSING

Phone (316) 721-4999

Contractor: Name: CHEYENNE DRILLING, INC.

License: 5382

Wellsite Geologist: HAROLD TRAPP

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

x 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 PBD

Commingle Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

10-23-97 11-02-97
Spud Date Date Reached TD Completion Date

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

Title ALBERT BRENSING, PRESIDENT Date 11/04/97

Subscribed and sworn to before me this 4TH day of November, 1997.

Notary Public Cynthia D. Rekoske

Date Commission Expires 7-24-2000

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



Operator Name CROSS BAR PETROLEUM, INC. Lease Name BROOKOVER Well # 1-26
 Sec. 26 Twp. 17S Rge. 32W 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.)

List All E.Logs Run: Geologist's Report, Dual Induction Log, Dual Compensated Porosity Log

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum

SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS
 PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	23#	336'	60/40 Pozmix	230	2% Gel, 2% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: Plugging Perforate Protect Casing Plug Back TD Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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

TUBING RECORD N/A	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. N/A	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil N/A Bbls.	Gas N/A Mcf	Water 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

Production Interval: Other (Specify)



ORIGINAL

CONFIDENTIAL

Cross Bar Petroleum, Inc. #1-26 Brookover

NW SE SE Section 26-T17S-R32W

(890' FSL and 890' FEL), Scott Co., Kansas

KB: 2983' PTD: 4700' API: #15-171-205190000

Contractor: Cheyenne Drlg. Rig #5

Wellsite Geologist: Harold Trapp

RELEASED

JAN 29 1999

Exhibit A of ACO-1

FROM CONFIDENTIAL

Results of DST #1,

4180-4257(-1197-1274), Lansing "I", "J", "K" zones, 30-60-30-60. 1st open- blow off bottom in 3 mins. 2nd open- blow off bottom in 4 mins. Recovered 1950' sw. IHP 2083, IFP 145-599, ISIP 1060, FFP 739-859, FSIP 1060, FHP 2043. BHT 131 degrees F. Strap 2.89' short to board. Straight hole survey 3/4 degree.

Results of DST #2,

4308-90(-1325-1407), Upper Marmaton, Tool slid 3' to bottom, 1st open- 2" blow throughout, 2nd open- no blow, flushed tool, no help, out. Recovered 70' Drilling mud. IHP 2143, IFP 52-52, ISIP 1110, FFP 62-62, FSIP N/A, FHP 2073. BHT 129 degrees F.

Results of DST #3

4386-4471(-1403-88), Lower Marmaton/Pawnee. 1st open- weak blow throughout. 2nd open- no blow, flushed tool, no help, out. Recovered 120' drilling mud, IHP 2123, IFP 114-114, ISIP 207, FFP 114-114, FSIP N/A, FHP 2103, BHT 121 degrees F.

Results of DST #4

4604-4652(-1621-69), Morrow Sand, 30-60-20-60, 1st open-- weak blow throughout. 2nd open--no blow, flushed tool, no help, out. Recovered 30' very slight oil cut mud. IHP 2188, IFP 14-18, ISIP 740, FFP 20-26, FSIP 703, FHP 2173, BHT 127 degrees F.

Log Tops	Depth/Subsea
Heebner	3927' (-944')
Toronto	3947' (-964')
Lansing	3969' (-986')
Stark	4251' (-1268')
Marmaton	4365' (-1382')
Cherokee Shale	4509' (-1526')
Morrow shale	4617' (-1634')
Morrow sand	4623' (-1640')
Mississippian Uncf	4645' (-1662')
RTD	4750 (-1767)
LTD	4748 (-1765)

NOV 10
CONFIDENTIAL

ALLIED CEMENTING CO., INC. 8563

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

ORIGINAL

Oakley

DATE <u>10-23-97</u>	SEC <u>26</u>	TWP. <u>17s</u>	RANGE <u>32w</u>	CALLED OUT	ON LOCATION <u>7:30PM</u>	JOB START <u>10:45PM</u>	JOB FINISH <u>11:15PM</u>
LEASE <u>Brookover</u>		WELL # <u>1-26</u>		LOCATION <u>Scott City 4E 4N 3/4E</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

RELEASED

CONTRACTOR Cheyenne Rig 5

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 340'

CASING SIZE 8 7/8 DEPTH 340'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 28.15'

CEMENT LEFT IN CSG. 28.15'

PERFS.

DISPLACEMENT

OWNER Same

OCT 29 1999

CEMENT

AMOUNT ORDERED 230 SKS Lox 4 1/2" 2" 3/4 CC 2 1/2 Gel

COMMON	<u>138 SKS</u>	@	<u>7.55</u>	<u>1,041.90</u>
POZMIX	<u>9.2 SKS</u>	@	<u>3.25</u>	<u>299.00</u>
GEL	<u>4 SKS</u>	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>7 SKS</u>	@	<u>28.00</u>	<u>196.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>230 SKS</u>	@	<u>1.02</u>	<u>241.50</u>
MILEAGE	<u>4¢ per SK/mile</u>			<u>496.80</u>

TOTAL 2,313.20

EQUIPMENT

PUMP TRUCK CEMENTER Dean

191 HELPER

BULK TRUCK

218 DRIVER Andrew

BULK TRUCK

DRIVER

REMARKS:

SERVICE

Cement did circulate ✓

Thank you

DEPTH OF JOB	<u>340'</u>			
PUMP TRUCK CHARGE				<u>470.00</u>
EXTRA FOOTAGE	<u>40'</u>	@	<u>4.3¢</u>	<u>17.20</u>
MILEAGE	<u>54 miles</u>	@	<u>2.85</u>	<u>153.90</u>
PLUG	<u>Surface</u>	@		<u>45.00</u>
		@		
		@		

TOTAL 686.10

CHARGE TO: Cross Bar Petroleum Inc

STREET 151 N. Main # 630

CITY Winifred STATE Kansas ZIP 67202-1407

FLOAT EQUIPMENT

<u>1 Baffle Plate</u>	@		<u>135.00</u>
	@		
	@		
	@		
	@		

TOTAL 135.00

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 _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Phil Loyd

Philip Loyd
PRINTED NAME

ORIGINAL

CONFIDENTIAL

WELL NAME: Brookover # 1-26
COMPANY: Cross Bar Petroleum
LOCATION: 26-17S-32W
Scott County Kansas
DATE: 11/04/97

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

15-171-20519

RCC

NOV 10

CONFIDENTIAL

RECEIVED
NOV 10 1998
11 10 1998

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc.
 WELL NAME: Brookover #1-26
 LOCATION : 26-17S-32W Scott KS.
 INTERVAL : 4180.00 To 4257.00 ft

DATE 10-29-97

KB 2983.00 ft TICKET NO: 10478 DST #1
 GR 2972.00 ft FORMATION: Lansing KC "I & J"
 TD 4257.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 1507 to 1537 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1537 to 1637 hr
SF 30 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 1637 to 1707 hr
FS 60 Depth(ft)	4252.0	4252.0	4187.0	0.0	0.0	FS Fr. 1707 to 1807 hr

	Field	1	2	3	4	
A. Init Hydro	2083.0	2180.0	2038.0	0.0	0.0	T STARTED 1250 hr
B. First Flow	145.0	161.0	98.0	0.0	0.0	T ON BOTM 1505 hr
B1. Final Flow	599.0	626.0	639.0	0.0	0.0	T.OPEN 1507 hr
C. In Shut-in	1060.0	1066.0	1043.0	0.0	0.0	T PULLED 1807 hr
D. Init Flow	739.0	763.0	450.0	0.0	0.0	T OUT 2100 hr
E. Final Flow	859.0	887.0	860.0	0.0	0.0	
F. Fl Shut-in	1060.0	1068.0	1038.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2043.0	2082.0	1996.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 1950.00 ft of 707.00 ft in DC and 1243.00 ft in DP
 1950.00 ft of Sulfer Water
 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 RW .21 @ 80 deg. =
 SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

Initial Str Wt 80000.00 lbs
 Unseated Str Wt 84000.00 lbs
 Bot Choke 0.75 in
 Hole Size 8.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 707.00 ft
 D.P. Length 3477.00 ft

BLOW DESCRIPTION

Initial Flow:
 Fair to strong blow off bottom in
 3 mins.

Initial Shut In:
 Bled off blow - no return

Final Flow:
 Fair to strong blow off bottom in
 4 mins

Final Shut In:

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/
 Vis. 49.00 S/L
 W.L. 8.60 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 131.00 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. Harold Trapp
 Contr. Cheyenne
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10478 DST #1 Brookover #1-26 CrossBar Pet Inc.

DATE: 10/29/97 TIME: 13:50:39

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	136.00	2037.9	0.0	113.87		
***** Start Flow 1	0.00	97.7	0.0	113.88		
	1.00	149.8	52.1	113.94		
	2.00	199.1	101.4	113.98		
	3.00	244.5	146.8	114.01		
	4.00	282.2	184.5	114.03		
	5.00	318.5	220.8	114.04		
	6.00	351.1	253.5	114.04		
	7.00	365.2	267.5	114.04		
	8.00	379.7	282.0	114.05		
	9.00	393.3	295.6	114.05		
	10.00	407.6	309.9	114.06		
	11.00	422.8	325.1	114.08		
	12.00	437.3	339.7	114.11		
	13.00	451.9	354.2	114.15		
	14.00	465.6	367.9	114.21		
	15.00	478.5	380.8	114.28		
	16.00	490.2	392.5	114.37		
	17.00	503.6	406.0	114.51		
	18.00	516.8	419.1	114.66		
	19.00	529.7	432.1	114.81		
	20.00	542.4	444.7	115.00		
	21.00	554.7	457.0	115.20		
	22.00	566.8	469.1	115.41		
	23.00	577.7	480.0	115.65		
	24.00	587.8	490.1	115.91		
	25.00	598.2	500.5	116.15		
	26.00	608.7	511.0	116.41		
	27.00	619.6	521.9	116.67		
	28.00	629.6	531.9	116.93		
***** End Flow 1	29.00	639.1	541.4	117.20		
***** Start Shutin 1	0.00	639.1	0.0	117.20	0.0000	0.408
	1.00	983.1	344.0	117.49	30.0000	0.967
	2.00	1001.7	362.6	117.80	15.5000	1.003
	3.00	1010.9	371.8	118.13	10.6667	1.022
	4.00	1016.4	377.3	118.48	8.2500	1.033
	5.00	1020.5	381.4	118.82	6.8000	1.041
	6.00	1023.5	384.4	119.16	5.8333	1.048
	7.00	1025.6	386.5	119.51	5.1429	1.052
	8.00	1027.3	388.2	119.85	4.6250	1.055
	9.00	1028.9	389.8	120.18	4.2222	1.059
	10.00	1030.4	391.3	120.50	3.9000	1.062
	11.00	1031.5	392.4	120.82	3.6364	1.064
	12.00	1032.5	393.4	121.13	3.4167	1.066
	13.00	1033.3	394.2	121.43	3.2308	1.068
	14.00	1034.1	395.0	121.71	3.0714	1.069
	15.00	1034.7	395.6	122.01	2.9333	1.071
	16.00	1035.3	396.2	122.27	2.8125	1.072
	17.00	1035.8	396.7	122.54	2.7059	1.073
	18.00	1036.4	397.3	122.79	2.6111	1.074
	19.00	1036.8	397.7	123.04	2.5263	1.075

HILCO 12 A 501
 10/29/97 13:50:39

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 10478 DST #1 Brookover #1-26 CrossBar Pet Inc.
 DATE: 10/29/97 TIME: 13:50:39

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
11.00	744.5	94.7	127.72		
12.00	752.5	102.6	127.72		
13.00	760.2	110.4	127.73		
14.00	767.5	117.7	127.71		
15.00	775.1	125.2	127.71		
16.00	782.0	132.2	127.72		
17.00	788.9	139.1	127.72		
18.00	794.9	145.0	127.73		
19.00	801.0	151.2	127.75		
20.00	806.7	156.9	127.77		
21.00	812.2	162.4	127.79		
22.00	817.9	168.0	127.83		
23.00	823.1	173.2	127.89		
24.00	829.0	179.2	127.94		
25.00	834.5	184.6	128.00		
26.00	840.4	190.5	128.05		
27.00	845.1	195.2	128.13		
28.00	849.7	199.8	128.20		
29.00	854.8	205.0	128.30		
30.00	859.8	210.0	128.39		
***** End Flow 2					
***** Start Shutin 2	0.00	859.8	0.0	128.39	0.0000 0.739
	1.00	989.4	129.6	128.49	60.0000 0.979
	2.00	1008.0	148.2	128.59	30.5000 1.016
	3.00	1014.8	154.9	128.69	20.6667 1.030
	4.00	1018.3	158.5	128.79	15.7500 1.037
	5.00	1021.1	161.2	128.91	12.8000 1.043
	6.00	1023.0	163.2	129.06	10.8333 1.047
	7.00	1024.4	164.6	129.22	9.4286 1.049
	8.00	1025.5	165.7	129.38	8.3750 1.052
	9.00	1026.5	166.7	129.52	7.5556 1.054
	10.00	1027.4	167.5	129.66	6.9000 1.055
	11.00	1028.0	168.2	129.79	6.3636 1.057
	12.00	1028.5	168.7	129.91	5.9167 1.058
	13.00	1029.3	169.5	130.02	5.5385 1.059
	14.00	1030.0	170.1	130.11	5.2143 1.061
	15.00	1030.4	170.5	130.20	4.9333 1.062
	16.00	1030.8	171.0	130.28	4.6875 1.063
	17.00	1031.1	171.3	130.35	4.4706 1.063
	18.00	1031.5	171.7	130.42	4.2778 1.064
	19.00	1031.9	172.1	130.48	4.1053 1.065
	20.00	1032.2	172.4	130.54	3.9500 1.065
	21.00	1032.5	172.6	130.59	3.8095 1.066
	22.00	1032.9	173.1	130.65	3.6818 1.067
	23.00	1033.1	173.2	130.70	3.5652 1.067
	24.00	1033.3	173.5	130.74	3.4583 1.068
	25.00	1033.7	173.9	130.79	3.3600 1.069
	26.00	1033.9	174.1	130.82	3.2692 1.069
	27.00	1034.2	174.3	130.87	3.1852 1.069
	28.00	1034.3	174.5	130.90	3.1071 1.070
	29.00	1034.5	174.7	130.94	3.0345 1.070
	30.00	1034.7	174.8	130.97	2.9667 1.071

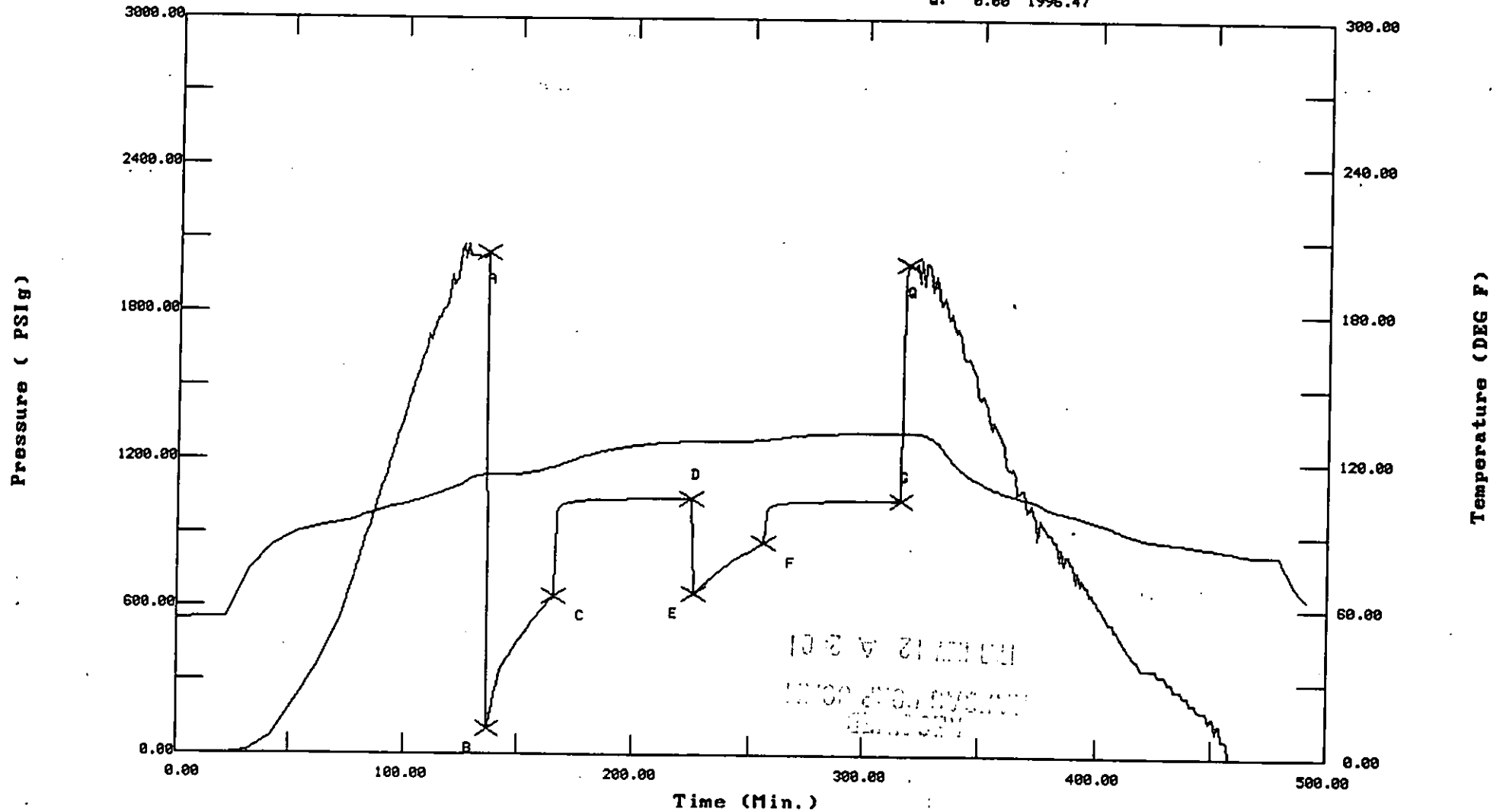
10/29/97 13:50:39
 ALPINE SUBSURFACE ELECTRONICS
 PROBE INCREMENTS LISTING
 TEST: 10478 DST #1 Brookover #1-26 CrossBar Pet Inc.
 DATE: 10/29/97 TIME: 13:50:39

TEST HISTORY

10478 DST #1 Brookover #1-26 CrossBar Pet Inc.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2037.93
B:	0.00	97.68
C:	29.00	639.10
D:	59.00	1042.71
E:	0.00	649.84
F:	30.00	859.83
G:	60.00	1038.09
Q:	0.00	1996.47



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10478

Well Name & No. Brookover #1-26 Test No. 1 Date 10-29-97
 Company Cross Bar Petroleum Inc. Zone Tested L/KC I & J
 Address 7510 W 21st St. Bldg 1014 Ste. B Wichita, KS 67205 Elevation 2983 KB 2972 GL
 Co. Rep / Geo. Harold Trapp Cont. Cheyenne #5 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 26 Twp. 17S Rge. 32W Co. Scott State KS
 No. of Copies Nml. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 4180 - 4257 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 84,000
 Anchor Length 11' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 4175 Tool Weight 1,800
 Bottom Packer Depth 4180 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4257 Wt. Pipe Run _____ Drill Collar Run 4" H 90 / 707' (12
 Mud Wt. 9.1 LCM 1/2" Vis. 49 WL B.6 Drill Pipe Size 4 1/2" XH Ft. Run 3477' (56
 Blow Description IF: Fair to strong blow off bttm in 3 mins.
ISI: Bled off blow - no return.
FF: Fair to strong blow off bttm in 4 mins.
FST: Bled off blow - no return.

Recovery — Total Feet 1950' GIP _____ Ft. in DC 707' Ft. in DP 1243'

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>1950'</u>	<u>Sulfur Water</u>				
_____	Feet Of _____				
_____	Feet Of _____				
_____	Feet Of _____				

BHT 131° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .21 @ 80° °F Chlorides 30,000 ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud	<u>2083</u>	<u>2037</u>	PSI	Recorder No. <u>2342</u>	T-Started <u>1250</u>
(B) First Initial Flow Pressure	<u>145</u>	<u>97</u>	PSI	(depth) <u>4187</u>	T-Open <u>1507</u>
(C) First Final Flow Pressure	<u>599</u>	<u>639</u>	PSI	Recorder No. <u>13339</u>	T-Pulled <u>1807</u>
(D) Initial Shut-in Pressure	<u>1060</u>	<u>1042</u>	PSI	(depth) <u>4252</u>	T-Out <u>2100</u>
(E) Second Initial Flow Pressure	<u>739</u>	<u>649</u>	PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>859</u>	<u>859</u>	PSI	(depth) _____	
(G) Final Shut-in Pressure	<u>1060</u>	<u>1038</u>	PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud	<u>2043</u>	<u>1996</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>X</u>

Mech. Akt _____ Elec. Alp. _____
 Final Flow 30 Safety Joint X
 Final Shut-in 60 Straddle _____
 _____ Circ. Sub X N/C
 _____ Sampler _____
 _____ Extra Packer _____
 _____ Elect. Rec. X
 _____ Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Harold R. Trapp
 Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc.
 WELL NAME: Brookover #1-26
 LOCATION : 26-17S-32W Scott KS.
 INTERVAL : 4308.00 To 4390.00 ft

DATE 10-30-97

KB 2983.00 ft TICKET NO: 10479 DST #2
 GR 2972.00 ft FORMATION: Marmaton
 TD 4390.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13339	13339	2342			PF Fr. 1626 to 1656 hr
SI 60	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1656 to 1756 hr
SF 10	Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 1756 to 1806 hr
FS 0	Depth(ft)	4385.0	4385.0	4310.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2143.0	2269.0	2080.0	0.0	0.0	T STARTED 1415 hr
B. First Flow	52.0	111.0	36.0	0.0	0.0	T ON BOTM 1624 hr
B1. Final Flow	52.0	79.0	41.0	0.0	0.0	T OPEN 1626 hr
C. In Shut-in	1110.0	1112.0	1111.0	0.0	0.0	T PULLED 1806 hr
D. Init Flow	62.0	121.0	45.0	0.0	0.0	T OUT hr
E. Final Flow	62.0	103.0	50.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2073.0	2199.0	2063.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 1800.00 lbs

RECOVERY

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

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

BLOW DESCRIPTION

MUD DATA-----

Mud Type Chemical
 Weight 9.10 lb/
 Vis. 62.00 S/I
 W.L. 8.40 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 119.00 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 Y 3.00 ft
 Tester Rod Steinbrink
 Co. Rep. Harold Trapp
 Contr. Cheyenne
 Rig # 5
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10479 DST #2 Brookover #1-26 CrossBar Pet Inc.

DATE: 10/30/97 TIME: 15:15:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	129.00	2080.4	0.0	114.58		
***** Start Flow 1	0.00	35.6	0.0	114.83		
	1.00	36.2	0.6	115.11		
	2.00	36.6	1.0	115.36		
	3.00	36.8	1.3	115.56		
	4.00	37.2	1.6	115.70		
	5.00	37.5	1.9	115.80		
	6.00	37.6	2.0	115.89		
	7.00	37.9	2.3	115.95		
	8.00	38.1	2.5	115.99		
	9.00	38.2	2.6	116.02		
	10.00	38.3	2.8	116.04		
	11.00	38.6	3.0	116.06		
	12.00	38.8	3.2	116.07		
	13.00	38.9	3.4	116.09		
	14.00	39.0	3.4	116.10		
	15.00	39.2	3.6	116.11		
	16.00	39.3	3.7	116.12		
	17.00	39.4	3.9	116.14		
	18.00	39.6	4.0	116.15		
	19.00	39.8	4.2	116.16		
	20.00	39.9	4.3	116.19		
	21.00	39.9	4.4	116.20		
	22.00	40.1	4.5	116.21		
	23.00	40.2	4.6	116.24		
	24.00	40.4	4.8	116.26		
	25.00	40.4	4.9	116.28		
	26.00	40.6	5.0	116.31		
	27.00	40.7	5.1	116.34		
	28.00	40.9	5.3	116.37		
	29.00	40.9	5.4	116.39		
	30.00	41.1	5.5	116.42		
	31.00	41.3	5.7	116.45		
***** End Flow 1	32.00	41.4	5.8	116.48		
***** Start Shutin 1	0.00	41.4	0.0	116.48	0.0000	0.002
	1.00	58.2	16.8	116.51	33.0000	0.003
	2.00	91.8	50.4	116.55	17.0000	0.008
	3.00	136.5	95.1	116.58	11.6667	0.019
	4.00	189.2	147.8	116.62	9.0000	0.036
	5.00	244.7	203.4	116.67	7.4000	0.060
	6.00	299.7	258.3	116.71	6.3333	0.090
	7.00	352.2	310.8	116.76	5.5714	0.124
	8.00	401.8	360.5	116.81	5.0000	0.161
	9.00	448.5	407.1	116.86	4.5556	0.201
	10.00	492.1	450.8	116.92	4.2000	0.242
	11.00	533.1	491.7	116.97	3.9091	0.284
	12.00	571.3	529.9	117.02	3.6667	0.326
	13.00	607.0	565.7	117.07	3.4615	0.368
	14.00	640.5	599.2	117.12	3.2857	0.410
	15.00	671.5	630.1	117.18	3.1333	0.451
	16.00	700.5	659.1	117.23	3.0000	0.491

10/30/97 15:15:21
 10479 DST #2 Brookover #1-26 CrossBar Pet Inc.

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10479 DST #2 Brookover #1-26 CrossBar Pet Inc.

DATE: 10/30/97 TIME: 15:15:21

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	7.00	46.7	2.0	119.08		
	8.00	46.8	2.2	119.09		
	9.00	47.0	2.4	119.11		
	10.00	50.3	5.7	119.16		
	11.00	50.9	6.2	119.19		
***** End Flow 2	12.00	50.3	5.6	119.22		
***** Start Shutin 2	0.00	50.3	0.0	119.22	0.0000	0.003
***** End Shut-in 2	1.00	2062.5	2012.3	119.42	45.0000	4.254
***** Final Hydro.	236.00	2062.5	0.0	119.42		

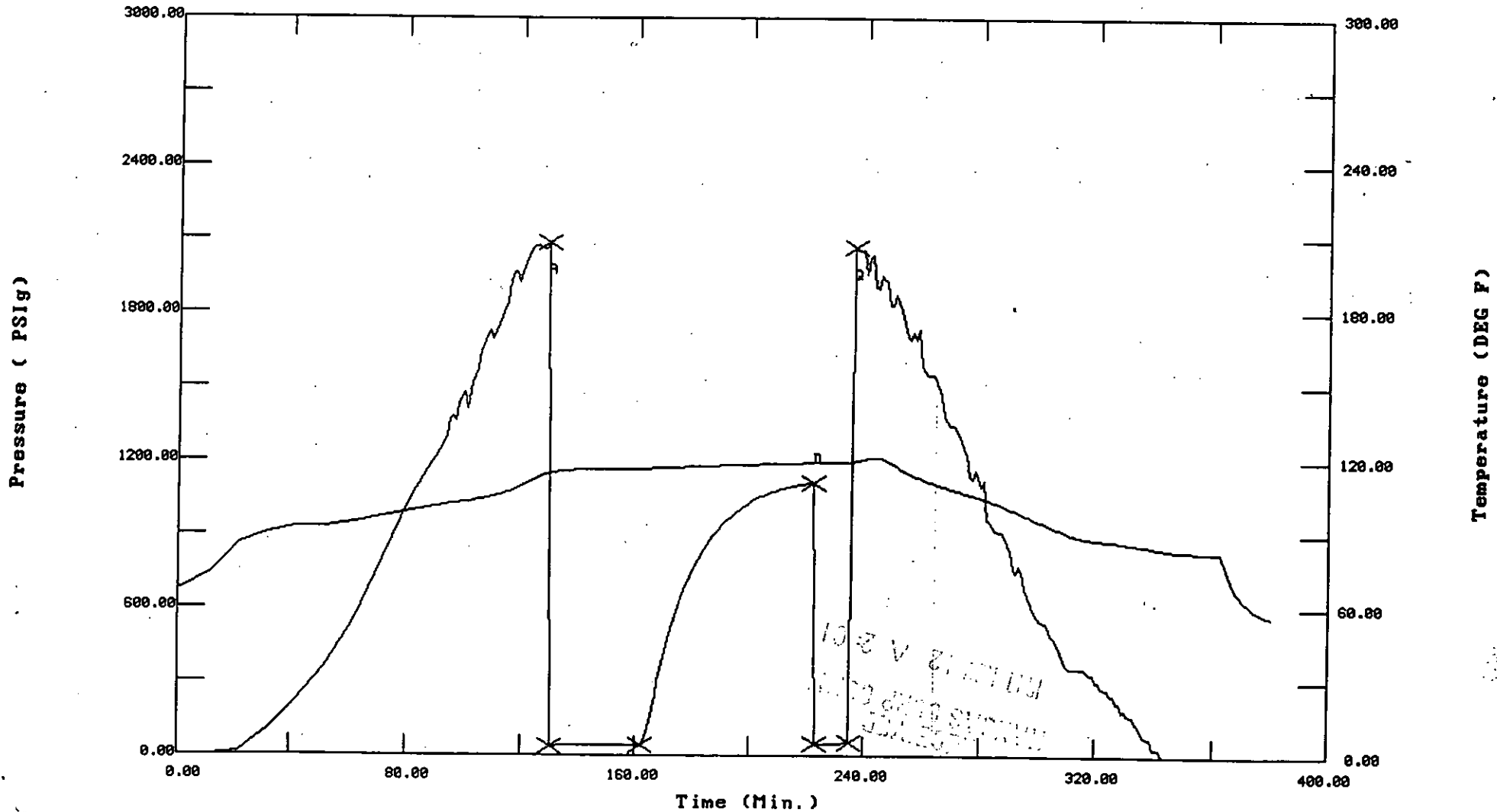
10/30/97 15:15:21
 ALPINE SUBSURFACE ELECTRONICS
 PROBE INCREMENTS LISTING

TEST HISTORY

10479 DST #2 Brookover #1-26 CrossBar Pet Inc.

Flag Points
 t (Min.) P (PSIg)

A:	0.00	2080.39
B:	0.00	35.58
C:	32.00	41.37
D:	60.00	1110.78
E:	0.00	44.64
F:	12.00	50.26
G:	0.00	2062.52



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10479

Well Name & No. Brookover #1-26 Test No. 2 Date 10-30-97
Company CrossBar Petroleum Inc. Zone Tested Marmaton
Address 1570 W 21st St Bldg Ste B Wichita, KS. 67205 Elevation 2983 KB 2972 GL
Co. Rep / Geo. Harold Trapp Cont. Cheyenne #5 Est. Ft. of Pay Por. %
Location: Sec. 26 Twp. 17^S Rge. 32^W Co. Scott State KS
No. of Copies Nml Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4308 - 4390 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 80,000
Anchor Length 82' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
Top Packer Depth 4303 Tool Weight 1,800
Bottom Packer Depth 4308 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4390 Wt. Pipe Run Drill Collar Run H-90 707' U.S.
Mud Wt. 9.1 LCM 1/2" Vis. 62 WL 8.4 Drill Pipe Size 4 1/2" X 11 Ft. Run 3602' (S)
Blow Description IF: Tool slid 3' Picked up 1 1/2 surge blow died to 1" @ fir

FF: No blow - Flushed tool / good surge - no help.
TDH @ Co Orders

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u>70'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u>70'</u> Feet Of <u>Drlg Mud</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

BHT 129° °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 1,300 ppm System

(A) Initial Hydrostatic Mud 2143 PSI Recorder No. 2342 T-Started 1415
(B) First Initial Flow Pressure 52 PSI (depth) 4310 T-Open 1626
(C) First Final Flow Pressure 52 PSI Recorder No. 13339 T-Pulled 1806
(D) Initial Shut-in Pressure 1110 PSI (depth) 4385 T-Out 2030
(E) Second Initial Flow Pressure 62 PSI Recorder No.
(F) Second Final Flow Pressure 62 PSI (depth)
(G) Final Shut-in Pressure PSI Initial Opening 30 Test
(H) Final Hydrostatic Mud 2073 PSI Initial Shut-in 60 Jars X
Final Flow 10 Safety Joint X
Final Shut-in Straddle
Circ. Sub X NIC
Sampler
Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$

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Approved By Harold R Trapp
Our Representative Rod Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc.
 WELL NAME: Brookover #1-26
 LOCATION : 26-17S-32W Scott KS.
 INTERVAL : 4386.00 To 4471.00 ft

DATE 10-31-97

KB 2983.00 ft TICKET NO: 10480 DST #3
 GR 2972.00 ft FORMATION: Lower Marmaton
 TD 4471.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 1238 to 1308 hr
SI 30 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1308 to 1338 hr
SF 10 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 1338 to 1350 hr
FS 0 Depth(ft)	4466.0	4466.0	4390.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2123.0	2191.0	2145.0	0.0	0.0	T STARTED 1120 hr
B. First Flow	114.0	145.0	87.0	0.0	0.0	T ON BOTM 1235 hr
B1. Final Flow	114.0	141.0	92.0	0.0	0.0	T-OPEN 1238 hr
C. In Shut-in	207.0	220.0	194.0	0.0	0.0	T PULLED 1350 hr
D. Init Flow	114.0	179.0	93.0	0.0	0.0	T OUT 1615 hr
E. Final Flow	114.0	135.0	96.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2103.0	2131.0	2103.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 1800.00 lbs

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 120.00 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

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

BLOW DESCRIPTION

Initial Flow:
 Tool slid 5'- 1/2" blow died in 20 min
 Final Flow:
 No return - flushed tool/good surge;
 no help

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 52.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 5.00 ft
 Btm. H. Temp. 117.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased Y 5.00 ft
 Tester Rod Steinbrink
 Co. Rep. Harold Trapp
 Contr. Cheyenne
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10480 DST #3 Brookover #1-26 CrossBar Pet Inc.

DATE: 10/31/97 TIME: 10:20:24

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	135.00	2145.8	0.0	114.85		
***** Start Flow 1	0.00	87.4	0.0	114.94		
	1.00	91.8	4.4	115.11		
	2.00	92.1	4.7	115.28		
	3.00	92.4	5.0	115.43		
	4.00	92.6	5.1	115.55		
	5.00	92.7	5.3	115.63		
	6.00	92.8	5.4	115.71		
	7.00	93.0	5.5	115.76		
	8.00	93.0	5.6	115.80		
	9.00	93.0	5.6	115.84		
	10.00	93.2	5.8	115.86		
	11.00	93.2	5.8	115.89		
	12.00	93.2	5.8	115.91		
	13.00	93.2	5.8	115.93		
	14.00	93.2	5.8	115.95		
	15.00	93.4	5.9	115.97		
	16.00	93.4	5.9	116.00		
	17.00	93.4	5.9	116.01		
	18.00	93.5	6.0	116.04		
	19.00	93.5	6.0	116.06		
	20.00	93.5	6.0	116.08		
	21.00	93.5	6.0	116.10		
	22.00	93.6	6.2	116.13		
	23.00	93.6	6.2	116.15		
	24.00	93.6	6.2	116.18		
	25.00	93.6	6.2	116.21		
	26.00	93.7	6.3	116.23		
	27.00	93.7	6.3	116.26		
	28.00	93.7	6.3	116.29		
	29.00	93.7	6.3	116.32		
	30.00	93.7	6.3	116.35		
	31.00	93.7	6.3	116.38		
***** End Flow 1	32.00	92.9	5.5	116.41		
***** Start Shutin 1	0.00	92.9	0.0	116.41	0.0000	0.009
	1.00	99.3	6.4	116.44	33.0000	0.01
	2.00	103.5	10.6	116.47	17.0000	0.011
	3.00	107.6	14.7	116.50	11.6667	0.012
	4.00	111.6	18.7	116.54	9.0000	0.012
	5.00	115.6	22.7	116.57	7.4000	0.013
	6.00	119.4	26.5	116.60	6.3333	0.014
	7.00	123.1	30.2	116.64	5.5714	0.015
	8.00	126.8	33.9	116.67	5.0000	0.016
	9.00	129.7	36.8	116.71	4.5556	0.017
	10.00	133.4	40.5	116.74	4.2000	0.018
	11.00	137.1	44.2	116.77	3.9091	0.019
	12.00	140.8	47.9	116.81	3.6667	0.020
	13.00	144.4	51.5	116.85	3.4615	0.021
	14.00	148.0	55.1	116.89	3.2857	0.022
	15.00	151.6	58.7	116.92	3.1333	0.023
	16.00	155.3	62.4	116.95	3.0000	0.024

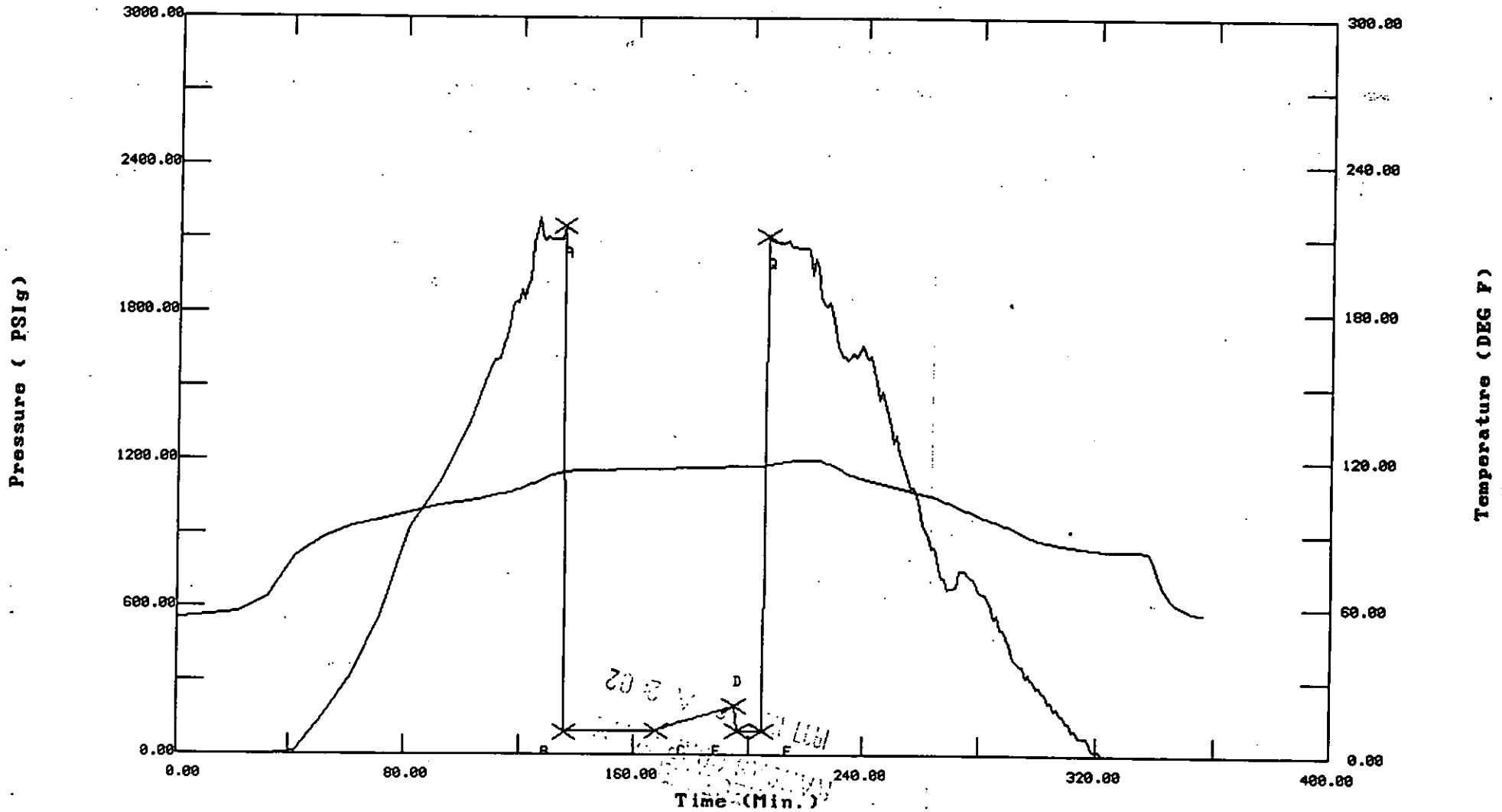
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KANSAS ENERGY
MICH 12 A 202

TEST HISTORY

18488 DST #3 Brookover #1-26 CrossBar Pet Inc.

Flag Points
t (Min.) PK PSig)

A:	0.00	2145.77
B:	0.00	87.44
C:	32.00	92.98
D:	27.00	194.79
E:	0.00	93.57
F:	9.00	96.26
Q:	0.00	2183.47



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10480

Well Name & No. Brookover #1-26 Test No. 3 Date 10-31-97
Company CrossBar Petroleum, Inc. Zone Tested Lower Marmaton
Address 1570 W 21st St Bldg. 1014 Ste B Wichita, KS. 67205 Elevation 2983 KB 2972 GL
Co. Rep / Geo. Harold Trapp Cont. Cheyenne #5 Est. Ft. of Pay Por. %
Location: Sec. 26 Twp. 17^s Rge. 32^w Co. Scott State KS
No. of Copies Nml Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4386 - 4471 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 80,000
Anchor Length 85' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 95,000
Top Packer Depth 4381 Tool Weight 1,800
Bottom Packer Depth 4386 Hole Size — 7 7/8" Rubber Size 6 3/4"
Total Depth 4471 Wt. Pipe Run Drill Collar Run H-90 707' (12
Mud Wt. 9.1 LCM Vis. 52 WL B.B Drill Pipe Size 4 1/2" XH Ft. Run 3665' (59
Blow Description IF: Tool slid 5' - 1/2" blow died in 20 mins.

FF: No return - Flushed tool / good surge - no help.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>120'</u>	<u> </u>	<u>120'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Rec. <u> </u> Feet Of <u> </u>				%gas	%oil	%water	%mud
Rec. <u> </u> Feet Of <u> </u>				%gas	%oil	%water	%mud
Rec. <u>120'</u> Feet Of <u>Drlg Mud</u>				%gas	%oil	%water	100 %mud
Rec. <u> </u> Feet Of <u> </u>				%gas	%oil	%water	%mud
Rec. <u> </u> Feet Of <u> </u>				%gas	%oil	%water	%mud

BHT 121° °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 1,200 ppm System

(A) Initial Hydrostatic Mud 2123 PSI Recorder No. 2342 T-Started 1020
(B) First Initial Flow Pressure 114 PSI (depth) 4390 T-Open 1238
(C) First Final Flow Pressure 114 PSI Recorder No. 13339 T-Pulled 1350
(D) Initial Shut-in Pressure 207 PSI (depth) 4466 T-Out 1615
(E) Second Initial Flow Pressure 114 PSI Recorder No.
(F) Second Final Flow Pressure 114 PSI (depth)
(G) Final Shut-in Pressure PSI Initial Opening 30 Test
(H) Final Hydrostatic Mud 2163 PSI Initial Shut-in 30 Jars X

Final Flow 10 Safety Joint X
Final Shut-in Straddle
 Circ. Sub X N/C
 Sampler

Approved By Harold Trapp
Our Representative Rod Steinbrink

Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

TRILOBITE TESTING L.L.C.

OPERATOR : CrossBar Petroleum Inc.
 WELL NAME: Brookover #1-26
 LOCATION : 26-17S-32W Scott KS.
 INTERVAL : 4604.00 To 4652.00 ft

DATE 11-1-97

KB 2983.00 ft TICKET NO: 10481 DST #4
 GR 2972.00 ft FORMATION: Morrow / Miss.
 TD 4652.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2342			PF Fr. 1409 to 1439 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1439 to 1539 hr
SF 20 Clock(hrs)	12 HR	12 HR	Elec			SF Fr. 1539 to 1559 hr
FS 60 Depth(ft)	4647.0	4647.0	4610.0	0.0	0.0	FS Fr. 1559 to 1702 hr

	Field	1	2	3	4	
A. Init Hydro	2213.0	2456.0	2188.0	0.0	0.0	T STARTED 1205 hr
B. First Flow	20.0	104.0	14.0	0.0	0.0	T ON BOTM 1407 hr
B1. Final Flow	20.0	67.0	18.0	0.0	0.0	T OPEN 1409 hr
C. In Shut-in	669.0	738.0	740.0	0.0	0.0	T PULLED 1702 hr
D. Init Flow	31.0	109.0	20.0	0.0	0.0	T OUT 2030 hr
E. Final Flow	31.0	78.0	26.0	0.0	0.0	
F. Fl Shut-in	619.0	692.0	703.0	0.0	0.0	
G. Final Hydro	2153.0	2283.0	2173.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----
 Tool Wt. 1800.00 lbs
 Wt-Set On Packer 30000.00 lbs
 Wt Pulled Loose 100000.00 lb
 Initial Str Wt 80000.00 lbs
 Unseated Str Wt 80000.00 lbs
 Bot Choke 0.75 in
 Hole Size 8.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 707.00 ft
 D.P. Length 3882.00 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 30.00 ft of Slightly Oil Spotted Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/l
 Vis. 52.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 127.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Rod Steinbrink
 Co. Rep. Harold Trapp
 Contr. Cheyenne
 Rig # 5
 Unit #
 Pump T.

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow died in 25 mins.

Final Flow:

No blow - flushed tool / good surge -
 no help

SAMPLES:

SENT TO:

Test Successful: Y

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10481 DST #4 Brookover #1-26 CrossBar Pet Inc.

DATE: 11/01/97

TIME: 12:05:33

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	121.00	2188.9	0.0	116.53		
***** Start Flow 1	0.00	14.3	0.0	117.17		
	1.00	14.6	0.3	117.70		
	2.00	14.9	0.6	118.20		
	3.00	15.2	0.8	118.61		
	4.00	15.5	1.2	118.92		
	5.00	15.7	1.3	119.18		
	6.00	15.9	1.6	119.35		
	7.00	16.2	1.8	119.47		
	8.00	16.4	2.0	119.56		
	9.00	16.5	2.2	119.61		
	10.00	16.6	2.3	119.64		
	11.00	16.7	2.4	119.66		
	12.00	16.8	2.4	119.66		
	13.00	16.9	2.6	119.65		
	14.00	17.0	2.7	119.65		
	15.00	17.0	2.7	119.65		
	16.00	17.0	2.7	119.64		
	17.00	17.2	2.9	119.63		
	18.00	17.2	2.9	119.64		
	19.00	17.4	3.0	119.64		
	20.00	17.4	3.0	119.64		
	21.00	17.4	3.0	119.65		
	22.00	17.5	3.1	119.65		
	23.00	17.5	3.2	119.67		
	24.00	17.5	3.2	119.69		
	25.00	17.5	3.2	119.71		
	26.00	17.6	3.3	119.73		
	27.00	17.7	3.4	119.76		
	28.00	17.8	3.4	119.79		
	29.00	18.0	3.6	119.81		
	30.00	18.0	3.7	119.85		
***** End Flow 1	31.00	18.0	3.7	119.89		
***** Start Shutin 1	0.00	18.0	0.0	119.89	0.0000	0.000
	1.00	19.0	0.9	119.93	32.0000	0.000
	2.00	21.2	3.2	119.97	16.5000	0.000
	3.00	23.6	5.5	120.01	11.3333	0.001
	4.00	26.0	8.0	120.05	8.7500	0.001
	5.00	28.8	10.7	120.09	7.2000	0.001
	6.00	31.7	13.7	120.15	6.1667	0.001
	7.00	35.0	17.0	120.20	5.4286	0.001
	8.00	38.6	20.6	120.25	4.8750	0.001
	9.00	42.5	24.5	120.29	4.4444	0.002
	10.00	46.9	28.9	120.35	4.1000	0.002
	11.00	51.7	33.7	120.40	3.8182	0.003
	12.00	57.1	39.0	120.46	3.5833	0.003
	13.00	63.2	45.2	120.51	3.3846	0.004
	14.00	70.2	52.2	120.56	3.2143	0.005
	15.00	78.1	60.1	120.62	3.0667	0.006
	16.00	87.0	69.0	120.68	2.9375	0.008
	17.00	97.2	79.1	120.74	2.8235	0.009

ALPINE SUBSURFACE ELECTRONICS
 PROBE INCREMENTS LISTING
 11/01/97 12:05:33

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10481 DST #4 Brookover #1-26 CrossBar Pet Inc.

DATE: 11/01/97

TIME: 12:05:33

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
9.00	21.1	0.6	123.48		
10.00	21.0	0.5	123.53		
11.00	23.3	2.9	123.59		
12.00	2216.2	2195.7	123.73		
13.00	26.1	5.6	123.74		
14.00	26.3	5.9	123.79		
15.00	26.4	6.0	123.83		
16.00	26.5	6.0	123.87		
17.00	26.5	6.0	123.90		
18.00	26.5	6.0	123.94		
19.00	26.5	6.0	123.98		
20.00	26.5	6.0	124.03		
21.00	26.5	6.0	124.08		
22.00	26.5	6.0	124.13		
23.00	26.8	6.4	124.18		
***** End Flow 2					
***** Start Shutin 2	0.00	26.8	0.0	124.18	0.0000
	1.00	30.0	3.2	124.22	55.0000
	2.00	33.1	6.2	124.27	28.0000
	3.00	36.3	9.5	124.32	19.0000
	4.00	39.9	13.0	124.36	14.5000
	5.00	43.6	16.8	124.41	11.8000
	6.00	47.7	20.8	124.46	10.0000
	7.00	52.0	25.2	124.51	8.7143
	8.00	56.8	30.0	124.55	7.7500
	9.00	61.9	35.1	124.60	7.0000
	10.00	67.7	40.9	124.65	6.4000
	11.00	74.0	47.2	124.69	5.9091
	12.00	80.9	54.0	124.74	5.5000
	13.00	88.6	61.8	124.78	5.1538
	14.00	97.0	70.2	124.83	4.8571
	15.00	106.1	79.2	124.87	4.6000
	16.00	115.9	89.0	124.92	4.3750
	17.00	126.7	99.9	124.96	4.1765
	18.00	137.9	111.0	125.01	4.0000
	19.00	150.1	123.2	125.05	3.8421
	20.00	163.3	136.5	125.09	3.7000
	21.00	177.5	150.7	125.14	3.5714
	22.00	192.4	165.5	125.18	3.4545
	23.00	207.9	181.0	125.23	3.3478
	24.00	223.7	196.9	125.28	3.2500
	25.00	239.9	213.0	125.32	3.1600
	26.00	256.5	229.6	125.36	3.0769
	27.00	273.2	246.3	125.41	3.0000
	28.00	289.8	262.9	125.46	2.9286
	29.00	306.3	279.5	125.50	2.8621
	30.00	322.6	295.8	125.55	2.8000
	31.00	338.6	311.8	125.59	2.7419
	32.00	354.6	327.7	125.63	2.6875
	33.00	370.2	343.3	125.67	2.6364
	34.00	385.5	358.6	125.72	2.5882
	35.00	400.7	373.8	125.76	2.5429

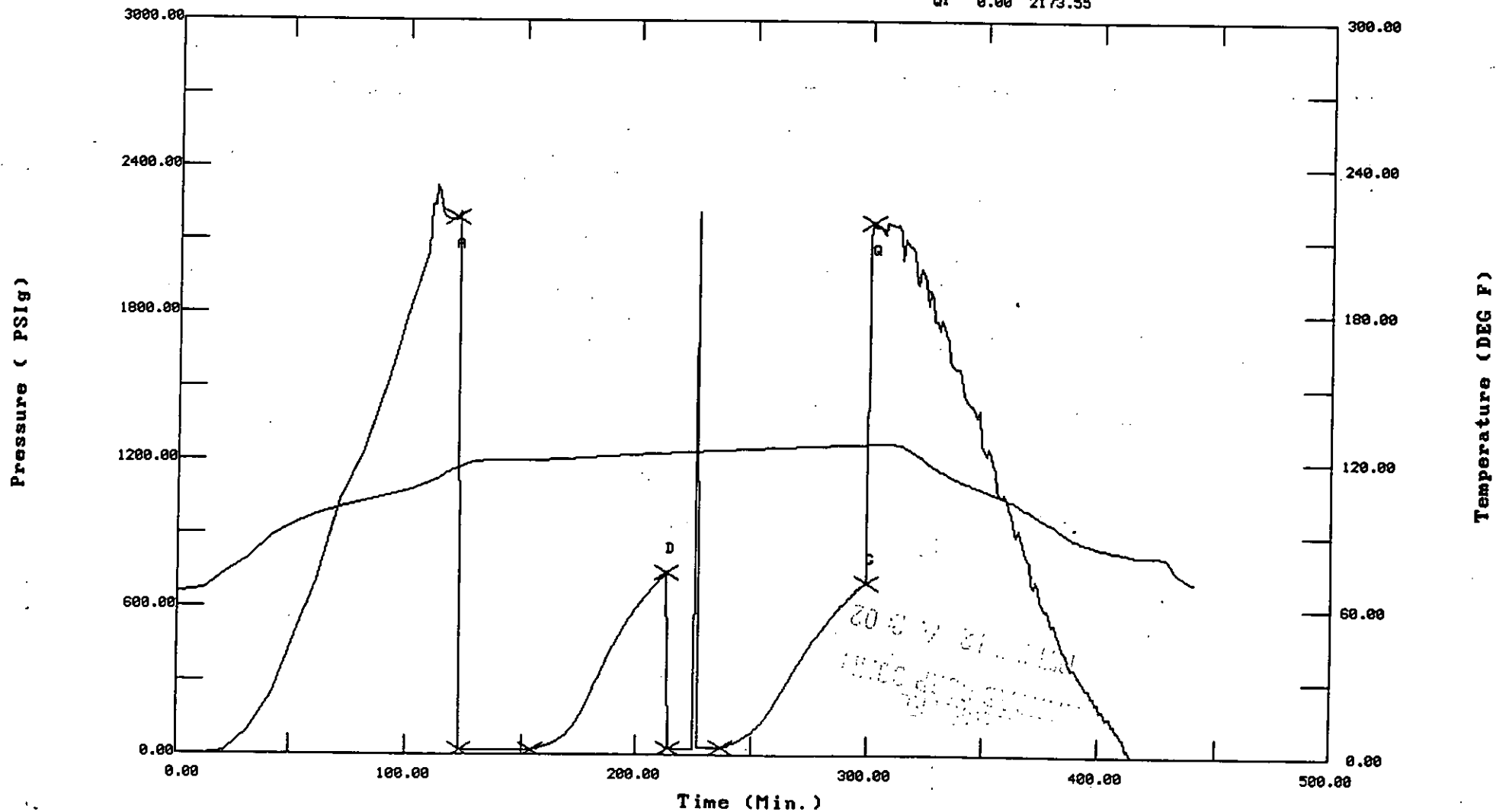
12/11/97 12:05:33
 ALPINE SUBSURFACE ELECTRONICS
 PROBE INCREMENTS LISTING

TEST HISTORY

18481 DST #4 Brookover #1-26 CrossBar Pet Inc.

Flag Points
t(Min.) P(PSig)

A:	0.00	2188.91
B:	0.00	14.34
C:	31.00	18.04
D:	59.00	740.40
E:	0.00	20.47
F:	23.00	26.85
G:	62.00	703.14
Q:	0.00	2173.55



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10481

Well Name & No. <u>Brookover #1-26</u>	Test No. <u>4</u>	Date <u>11-1-97</u>
Company <u>Cross Bar Petroleum, Inc.</u>	Zone Tested <u>MORROW - Miss.</u>	
Address <u>1510 W 21st St Bldg 1014 Ste B Wichita, KS 67205</u> Elevation <u>2983</u> KB <u>2972</u> GL		
Co. Rep / Geo. <u>Harold Trapp</u>	Cont. <u>Cheyenne #5</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>26</u> Twp. <u>17^s</u> Rge. <u>32^w</u> Co. <u>Scott</u> State <u>KS</u>		
No. of Copies <u>Nml.</u> Distribution Sheet (Y, N) <u>N</u> Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>		

Interval Tested <u>4604 - 4652</u>	Initial Str Wt./Lbs. <u>80,000</u> Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>48'</u>	Wt. Set Lbs. <u>30,000</u> Wt. Pulled Loose/Lbs. <u>100,000</u>
Top Packer Depth <u>4599</u>	Tool Weight <u>1,800</u>
Bottom Packer Depth <u>4604</u>	Hole Size — <u>7 7/8"</u> Rubber Size — <u>6 3/4"</u>
Total Depth <u>4652</u>	Wt. Pipe Run <u> </u> Drill Collar Run <u>H-90 707'</u> (C)
Mud Wt. <u>9.1</u> LCM <u>Trc</u> Vis. <u>52</u> WL <u>B.B</u>	Drill Pipe Size <u>4 1/2" XH</u> Ft. Run <u>3882'</u> (C)
Blow Description <u>IF: Weak surface blow died in 25 mins</u>	

FF: No blow - Flushed tool / good surge - no help.

Recovery — Total Feet <u>30'</u>	GIP <u> </u>	Ft. in DC <u>30'</u>	Ft. in DP <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u>30'</u> Feet Of <u>Slightly Dil</u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u>Spotted Mud</u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>127°</u> °F Gravity <u> </u> °API @ <u> </u> °F Corrected Gravity <u> </u> °API			

RW <u> </u> @ <u> </u> °F Chlorides <u> </u> ppm Recovery Chlorides <u>1,200</u> ppm System	
(A) Initial Hydrostatic Mud <u>2213</u> <u>2188</u> PSI Recorder No. <u>2342</u> T-Started <u>1205</u>	
(B) First Initial Flow Pressure <u>20</u> <u>14</u> PSI (depth) <u>4610</u> T-Open <u>1409</u>	
(C) First Final Flow Pressure <u>20</u> <u>18</u> PSI Recorder No. <u>13339</u> T-Pulled <u>1702</u>	
(D) Initial Shut-in Pressure <u>669</u> <u>740</u> PSI (depth) <u>4647</u> T-Out <u>2030</u>	
(E) Second Initial Flow Pressure <u>31</u> <u>20</u> PSI Recorder No. <u> </u>	
(F) Second Final Flow Pressure <u>31</u> <u>26</u> PSI (depth) <u> </u>	
(G) Final Shut-in Pressure <u>619</u> <u>703</u> PSI Initial Opening <u>30</u> Test <u> </u>	
(H) Final Hydrostatic Mud <u>2153</u> <u>2173</u> PSI Initial Shut-in <u>60</u> Jars <u>X</u>	

AK-1 Mech. Elec. Alp. Final Flow 20 Safety Joint X

Final Shut-in 60 Straddle

 Circ. Sub X N/C

 Sampler

 Extra Packer

 Elect. Rec. X

 Other

TOTAL PRICE \$

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Harold R. Trapp

Our Representative Rod Steinbrink