

Computer Inventoried

ORIGINAL

WELL NAME:

Yohn #1-17

COMPANY:

Cross Bar Petroleum Inc.

15-097-21423

LOCATION:

17-28S-17W

Kiowa County Kansas

DATE:

05/20/97

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Yohn #1-17
LOCATION : 17-28S-17W Kiowa Co KS
INTERVAL : 4196.00 To 4222.00 ft

DATE 5/12/97
KB 2189.00 ft TICKET NO: 9711 DST #1
GR 2180.00 ft FORMATION: Lansing "A-B"
TD 4222.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10248	10248	13788			PF Fr. 1005 to 1050 hr
SI 60 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 1050 to 1150 hr
SF 45 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1150 to 1235 hr
FS 90 Depth(ft)	4219.0	4219.0	4214.0	0.0	0.0	FS Fr. 1235 to 1405 hr

	Field	1	2	3	4	
A. Init Hydro	2063.0	2049.0	0.0	0.0	0.0	T STARTED 0800 hr
B. First Flow	34.0	41.0	0.0	0.0	0.0	T ON BOTM 1000 hr
B1. Final Flow	41.0	44.0	0.0	0.0	0.0	T OPEN 1005 hr
C. In Shut-in	1318.0	1320.0	0.0	0.0	0.0	T PULLED 1406 hr
D. Init Flow	44.0	48.0	0.0	0.0	0.0	T OUT 1610 hr
E. Final Flow	55.0	59.0	0.0	0.0	0.0	
F. Fl Shut-in	1329.0	1340.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1997.0	2029.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80500.00 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 545.00 ft
						D.P. Length 3633.00 ft

RECOVERY

Tot Fluid 65.00 ft of 65.00 ft in DC and 0.00 ft in DP
65.00 ft of Slightly gas cut 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:
Strong blow - bottom of bucket in 10
sec. Gas to surface in 12 min

Initial Shutin:
Fair to strong blow

Final Flow:
Strong blow

Final Shutin:
Fair to strong blow

Slid tool 5' to bottom

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 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 Gary Pevoteaux
Co. Rep. Steve Davis
Contr. Sterling
Rig # 4
Unit #
Pump T.

Test Successful: Y

GAS RECOVERY

COMPANY: Cross Bar Petroleum Inc

DATE: 5/12/97

WELL NAME: Yohn #1-17

KB Elev: 2189.00 ft TICKET #9711

DST #1

WELL LOCATION: 17-28S-17W Kiowa Co KS

GR Elev: 2180.00 ft FORMATION: Lansing "A-B"

INTERVAL Fr.: 4196.00 To 4222.00 T.D.: 4222.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Marla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.25	5	0	20700.0
30	0.25	8	0	27000.0
40	0.25	11	0	32400.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	10	0	30800.0
20	0.25	13	0	35900.0
30	0.25	15	0	39200.0
40	0.25	16	0	40900.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 971335
Sample From: Yohn 1-17 DST 1
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

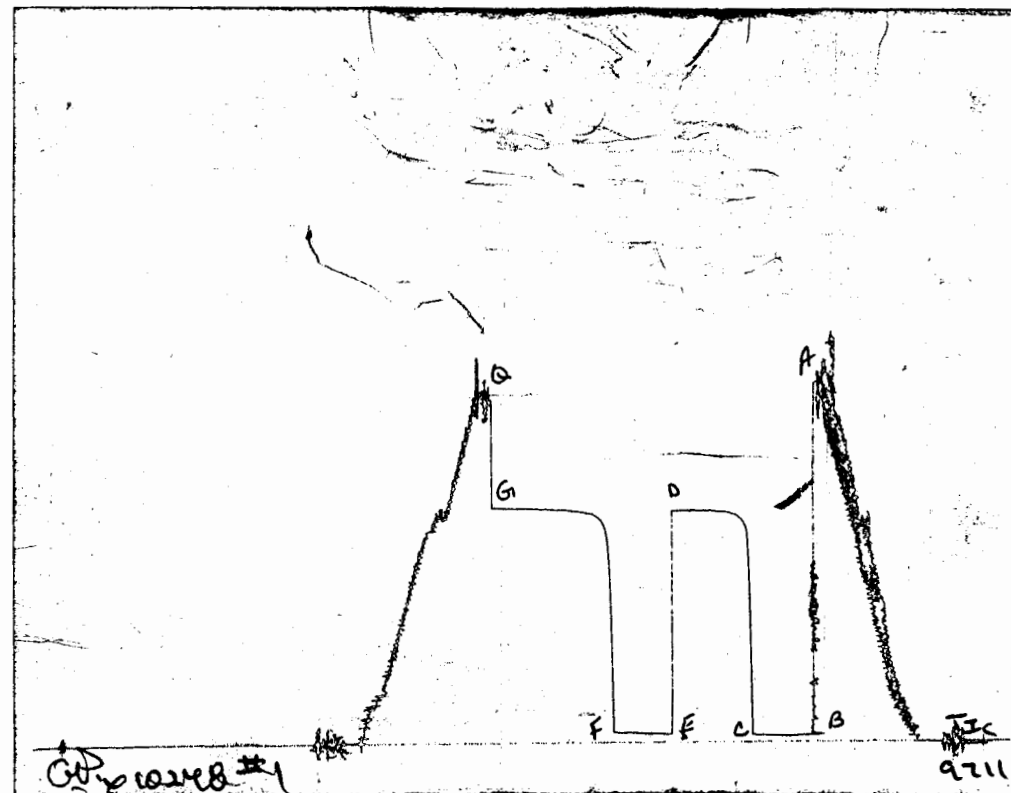
Analyzed: 05/15/97
Pressure:
Temperature:
Location: 17-28-17
County: Kiowa
State: Kansas
Formation: Lans A&B

	Mole %	GPM
Helium	He: 0.475	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 18.902	0.000
Carbon Dioxide	CO2: 0.600	0.000
Methane	C1: 72.018	0.000
Ethane	C2: 3.679	0.984
Propane	C3: 2.068	0.570
Iso Butane	iC4: 0.338	0.111
Normal Butane	nC4: 0.755	0.238
Iso Pentane	iC5: 0.229	0.084
Normal Pentane	nC5: 0.294	0.106
Hexanes Plus	C6+: 0.642	0.280
TOTAL:	100.000	2.373
Z Fact:	0.9979	
SP.GR.:	0.7168	
BTU (SAT):	921.8 @ 14.73 psia	
BTU (DRY):	938.1 @ 14.73 psia	
OCTANE RATING:	100.9	

COMMENTS:

0.000

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9711

Well Name & No.	YOUN #1-17	Test No.	1	Date	5-12-97
Company	CROSS BAR PETE INC.	Zone Tested	LAWS A-B		
Address	1511 MAIN SUITE 630, WICHITA KS 67202	Elevation	2189 KB 2180 GL		
Co. Rep / Geo.	STEVE DAVIS	Cont.	STERLING DRUG	Est. Ft. of Pay	5
Location: Sec.	17	Twp.	28S	Rge.	17W
No. of Copies	6	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	—
		Evaluation (Y, N)	—		

Interval Tested 4196 - 4222' Initial Str Wt./Lbs. 89,000 Unseated Str Wt./Lbs. 80,500
Anchor Length 26' Wt. Set Lbs. 2,000 Wt. Pulled Loose/Lbs. 20,000
Top Packer Depth 4191' Tool Weight 2,100 #
Bottom Packer Depth 4196' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4222' Wt. Pipe Run NONE Drill Collar Run 545
Mud Wt. 9.1 LCM — Vis. 46 WL 8.8cc. Drill Pipe Size 4 1/2" X 4. Ft. Run 3633
Blow Description IF: Strong blow. Btm. of bucket in 10 sec. GTS.
in 12 mins. (see gas volume report) ISF: Fair to strong blow.
FF: Strong blow. (see gas volume report) FSI: Fair to strong blow.
COMMENT: Slid tool 5 ft. to btm.

Recovery — Total Feet 65 GIP yes. Ft. in DC 65 Ft. in DP —
Rec. 65 Feet Of S.G.C.M. %gas %oil %water %mud
Rec. — Feet Of — %gas %oil %water %mud
Rec. — Feet Of — %gas %oil %water %mud
Rec. — Feet Of — %gas %oil %water %mud
Rec. — Feet Of — %gas %oil %water %mud
BHT 121 °F Gravity N/A °API @ — °F Corrected Gravity N/A °API
RW N.C. @ — °F Chlorides 6,000 ppm Recovery Chlorides 6,000 ppm System
(A) Initial Hydrostatic Mud 2063 PSI Recorder No. 10248 T-Started 0800
(B) First Initial Flow Pressure 34 PSI (depth) 4219' T-Open 1005
(C) First Final Flow Pressure 41 PSI Recorder No. 13788 T-Pulled 1406
(D) Initial Shut-in Pressure 1318 PSI (depth) 4214' T-Out 1610
(E) Second Initial Flow Pressure 44 PSI Recorder No. —
(F) Second Final Flow Pressure 55 PSI (depth) —
(G) Final Shut-in Pressure 1329 PSI Initial Opening 45 Test ✓ 700⁰⁰
(H) Final Hydrostatic Mud 1997 PSI Initial Shut-in 60 Jars ✓ 200⁰⁰

Final Flow 45 Safety Joint ✓ 50⁰⁰
Final Shut-in 90 Straddle —

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

Approved By [Signature]

Our Representative [Signature]

Extra Packer —

Elect. Rec. —

Other —

TOTAL PRICE \$ ✓ 950⁰⁰



GAS VOLUME REPORT

Cross Bar Peel Tave.

YOHU # 1-17

OPERATOR

WELL NAME AND NO.

DST NO.

INITIAL OPEN

FINAL OPEN

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petroleum Inc
WELL NAME: Yohn #1-17
LOCATION : 17-28S-17W Kiowa Co KS
INTERVAL : 4514.00 To 4600.00 ft

DATE 5/13/97
KB 2189.00 ft TICKET NO: 9712 DST #2
GR 2180.00 ft FORMATION: Lansing "K-L"
TD 4600.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	13788			PF Fr. 2351 to 0021 hr
SI 60 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 0021 to 0121 hr
SF 14 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0121 to 0135 hr
FS 0 Depth(ft)	4597.0	4597.0	4592.0	0.0	0.0	FS Fr. 0135 to hr

	Field	1	2	3	4	
A. Init Hydro	2261.0	2276.0	0.0	0.0	0.0	T STARTED 2130 hr
B. First Flow	62.0	63.0	0.0	0.0	0.0	T ON BOTM 2345 hr
Bl. Final Flow	62.0	63.0	0.0	0.0	0.0	T OPEN 2351 hr
C. In Shut-in	121.0	105.0	0.0	0.0	0.0	T PULLED 0135 hr
D. Init Flow	73.0	68.0	0.0	0.0	0.0	T OUT 0355 hr
E. Final Flow	82.0	69.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2228.0	2224.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 85000.00 lbs
						Unseated Str Wt 85000.00 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 545.00 ft
						D.P. Length 3970.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
20.00 ft of Drilling mud
0.00 ft of oil scum @ top of tool
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 blow 1/2" - 1/4"

Final Flow:
No blow - flushed tool 6 minutes
into 2nd open - no blow

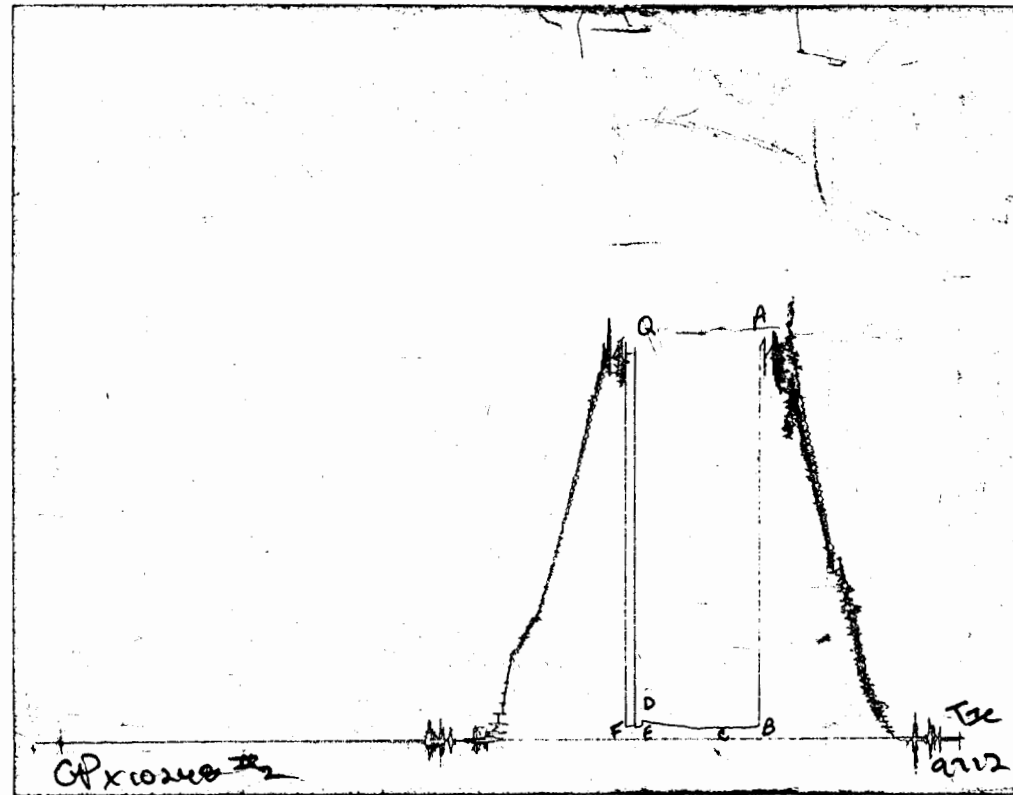
SAMPLES:
SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	46.00 S/L
W.L.	12.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 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	Gary Pevoteaux
Co. Rep.	Steve Davis
Contr.	Sterling
Rig #	4
Unit #	
Pump T.	

CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9712

Well Name & No.	YOUNG # 1-17	Test No.	2	Date	5-13-97				
Company	CROSS BAR PETL INC.	Zone Tested	LANS 1C-2						
Address	151 N. MAIN STREET 630, WICHITA KS. 67202		Elevation	2189	KB 2180GL				
Co. Rep / Geo.	STEVE DAVIS	Cont.	STERLING DRUG #4	Est. Ft. of Pay	5	Por.	10 %		
Location: Sec.	17	Twp.	28S	Rge.	17W	Co.	KANAS	State	KS
No. of Copies	6	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N	Evaluation (Y, N)	N		

Interval Tested	4514 - 4600'	Initial Str Wt./Lbs.	85,000	Unseated Str Wt./Lbs.	85,000						
Anchor Length	86'	Wt. Set Lbs.	21,000	Wt. Pulled Loose/Lbs.	20,000						
Top Packer Depth	4509'	Tool Weight	2,100#								
Bottom Packer Depth	4514'	Hole Size — 7 7/8"	✓	Rubber Size — 6 3/4"	✓						
Total Depth	4600'	Wt. Pipe Run	NOV 2	Drill Collar Run	545						
Mud Wt.	9.1	LCM	~	Vis.	46	WL	12.8 cc.	Drill Pipe Size	4 1/2" x H.	Ft. Run	3970'
Blow Description	IF: weak below (1/2 - 1/4")										

FF: No blow. Flush tool 6 mins in to 2nd open. No blow

Recovery — Total Feet	20'	GIP	NO	Ft. in DC	20'	Ft. in DP	~
Rec.	20	Feet Of	Org Mud.	%gas	%oil	%water	%mud
Rec.		Feet Of	Oil sum @ top	%gas	%oil	%water	%mud
Rec.		Feet Of	of tool	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT	123	°F Gravity	N/A	°API D@	~	°F Corrected Gravity	N/A	°API	
RW	N.C	@	~	°F Chlorides	6,000	ppm Recovery	Chlorides	6,000	ppm System

(A) Initial Hydrostatic Mud	2261	PSI	Recorder No.	10248	T-Started	2130
(B) First Initial Flow Pressure	62	PSI	(depth)	4597'	T-Open	2351
(C) First Final Flow Pressure	62	PSI	Recorder No.	13788	T-Pulled	0135
(D) Initial Shut-in Pressure	121	PSI	(depth)	4592'	T-Out	0355
(E) Second Initial Flow Pressure	73	PSI	Recorder No.	~		
(F) Second Final Flow Pressure	80	PSI	(depth)	~		
(G) Final Shut-in Pressure	NOV 2	PSI	Initial Opening	30	Test	✓ 700 ^{ad}
(H) Final Hydrostatic Mud	2228	PSI	Initial Shut-in	60	Jars	✓ 200 ^{ad}
			Final Flow	14	Safety Joint	✓ 50 ^{ad}
			Final Shut-in	NOV 2	Straddle	
				1	Circ. Sub	
					Sampler	
					Extra Packer	
					Elect. Rec.	
					Other	

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

Our Representative

TOTAL PRICE \$ 950^{ad}

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petl.Inc.

DATE 05-14-97

WELL NAME: Yohn #1-17

KB 2189.00 ft

TICKET NO: 9713

DST #3

LOCATION : Sec.17 Twp.28s Rge.17w Ks

GR 2180.00 ft

FORMATION: Pawnee

INTERVAL : 4650.00 To 4690.00 ft

TD 4690.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10248	10248	3030			PF Fr. 1713 to 1758 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1758 to 1858 hr
SF 45 Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 1858 to 1943 hr
FS 90 Depth(ft)	4687.0	4687.0	4660.0	0.0	0.0	FS Fr. 1943 to 2113 hr

	Field	1	2	3	4	
A. Init Hydro	2326.0	2306.0	2279.0	0.0	0.0	T STARTED 1531 hr
B. First Flow	91.0	132.0	81.0	0.0	0.0	T ON BOTM 1710 hr
B1. Final Flow	91.0	109.0	85.0	0.0	0.0	T OPEN 1713 hr
C. In Shut-in	1613.0	1612.0	1596.0	0.0	0.0	T PULLED 2115 hr
D. Init Flow	96.0	114.0	75.0	0.0	0.0	T OUT 2340 hr
E. Final Flow	98.0	105.0	85.0	0.0	0.0	
F. Fl Shut-in	1613.0	1610.0	1597.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2261.0	2299.0	2247.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 108000.00 lbs
						Initial Str Wt 84000.00 lbs
						Unseated Str Wt 85000.00 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 545.00 ft
						D.P. Length 4094.00 ft

RECOVERY

Tot Fluid 130.00 ft of 130.00 ft in DC and 0.00 ft in DP
 130.00 ft of Gas Cut Mud
 0.00 ft of 10%gas 90%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 EST. FT. OF PAY-----4

SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong blow, bottom of bucket in 10sec

Gas to Surface in 6 mins

(See Gas Volume Report

Initial Shut In:

Fair to strong blow

Final Flow:

Strong blow (see gas volume report)

Final Shut In:

Strong blow

SAMPLES: Gas sample

SENT TO:Caraway / Liberal Ks

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	52.00 S/L
W.L.	8.80 in3
F.C.	0.20 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	111.00 F
Hole Condition	good
% Porosity	14.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Steve Davis
Contr.	Sterling Drlg.
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Yohn #1-17

LOCATION : Sec.17 Twp.28s Rge.17w Ks

TICKET No. 9713 D.S.T. No. 3 DATE 05-14-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 11

TOTAL TOOL 37

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single 1 Total 29

TOTAL ASSEMBLY 66

C. ABOVE TOOLS.Stands9 Single Total 545

P. ABOVE TOOLS.Stands66 Single 1 Total 4094

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4705

TOTAL DEPTH 4690

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

FLUID SAMPLER DATA (not run)

AS-----	Cubic Ft.
TL-----	ML.
UD-----	ML.
ATER-----	ML.
THER-----	ML.
RESSURE-----	PSI
W-----	OHMS @
	DEGREES F
HLORIDES-----	ppm.

P.O. SUB	
C.O. SUB Top of tool @	4624
S.I. TOOL H & T	4630
HMV Sterling	4635
JARS Sterling	4639
SAFETY JOINT Bowen	4641
PACKER Top	4645
PACKER Bottom	4650
DEPTH 4650	
STUBB 1'	4651
ANCHOR	
perfs 5 ft. to	4656
Alpine rec. @ 4660	
T.C. DEPTH	
1 jt. pipe & sub to	4685
AK-1 rec. @ 4687	
BULLNOSE 5' Perforated to T.D.	4690

GAS RECOVERY

COMPANY: Cross Bar Petl.Inc.

DATE: 05-14-97

WELL NAME: Yohn #1-17

KB Elev: 2189.00 ft TICKET #9713 DST #3

WELL LOCATION: Sec.17 Twp.28s Rge.17w Ks

GR Elev: 2180.00 ft FORMATION: Pawnee

INTERVAL Fr.: 4650.00 To 4690.00 T.D.: 4690.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	17	0	159000.0
20	0.50	24	0	200000.0
30	0.50	25	0	205000.0
40	0.50	26	0	211000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	28	0	222000.0
20	0.50	28	0	222000.0
30	0.50	28	0	222000.0
40	0.50	27	0	216000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 971377
Sample From: Yohn 1-17 DST 3
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 05/19/97
Pressure:
Temperature:
Location: 17-28-17
County: Kiowa
State: Kansas
Formation: Pawnee

	Mole %	GPM
Helium	He: 0.189	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.383	0.000
Carbon Dioxide	CO2: 2.857	0.000
Methane	C1: 76.401	0.000
Ethane	C2: 7.972	2.132
Propane	C3: 5.977	1.647
Iso Butane	iC4: 0.651	0.213
Normal Butane	nC4: 2.048	0.646
Iso Pentane	iC5: 0.382	0.140
Normal Pentane	nC5: 0.576	0.209
Hexanes Plus	C6+: 0.564	0.246

TOTAL: 100.000 5.232
Z Fact: 0.9965
SP.GR.: 0.7599
BTU (SAT): 1204.2 @ 14.73 psia
BTU (DRY): 1225.5 @ 14.73 psia
OCTANE RATING: 116.6

COMMENTS: Sample showed no pressure

Oxygen = 0.327

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9713 DST#3 YOHN #1-17 CROSS BAR PETL. INC.

DATE: 05/14/97

TIME: 15:31:18

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	100.00	2279.1	0.0	105.09		
***** Start Flow 1	0.00	81.2	0.0	110.06		
	1.00	82.1	0.9	110.15		
	2.00	83.2	2.0	110.20		
	3.00	83.8	2.6	110.24		
	4.00	84.0	2.8	110.25		
	5.00	84.1	2.9	110.25		
	6.00	84.3	3.1	110.24		
	7.00	84.7	3.4	110.21		
	8.00	84.5	3.3	110.18		
	9.00	84.8	3.5	110.14		
	10.00	84.8	3.6	110.08		
	11.00	84.9	3.6	110.03		
	12.00	85.0	3.8	109.96		
	13.00	85.1	3.9	109.89		
	14.00	85.2	4.0	109.81		
	15.00	85.3	4.1	109.72		
	16.00	85.4	4.2	109.63		
	17.00	85.5	4.2	109.52		
	18.00	85.5	4.3	109.41		
	19.00	85.5	4.3	109.30		
	20.00	85.6	4.4	109.17		
	21.00	85.6	4.4	109.04		
	22.00	85.6	4.4	108.91		
	23.00	85.6	4.4	108.77		
	24.00	85.6	4.4	108.63		
	25.00	85.6	4.3	108.48		
	26.00	85.5	4.3	108.33		
	27.00	85.5	4.2	108.17		
	28.00	85.5	4.3	108.01		
	29.00	85.4	4.1	107.84		
	30.00	85.3	4.1	107.68		
	31.00	85.2	4.0	107.51		
	32.00	85.2	3.9	107.33		
	33.00	85.1	3.9	107.16		
***** End Flow 1	34.00	85.0	3.7	106.97		
***** Start Shutin 1	0.00	85.0	0.0	106.97	0.0000	0.007
	1.00	420.8	335.8	106.78	35.0000	0.177
	2.00	874.0	789.0	106.68	18.0000	0.764
	3.00	1143.4	1058.5	107.39	12.3333	1.307
	4.00	1299.0	1214.1	108.72	9.5000	1.687
	5.00	1388.9	1303.9	109.94	7.8000	1.929
	6.00	1441.9	1356.9	110.71	6.6667	2.079
	7.00	1474.4	1389.4	111.03	5.8571	2.174
	8.00	1495.3	1410.3	110.97	5.2500	2.236
	9.00	1509.5	1424.5	110.64	4.7778	2.279
	10.00	1519.6	1434.7	110.16	4.4000	2.309
	11.00	1527.0	1442.0	109.57	4.0909	2.332
	12.00	1532.8	1447.8	108.97	3.8333	2.350
	13.00	1537.5	1452.5	108.37	3.6154	2.364
	14.00	1541.4	1456.5	107.82	3.4286	2.376

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9713 DST#3 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/14/97

TIME: 15:31:18

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
15.00	1544.7	1459.7	107.31	3.2667	2.386
16.00	1547.5	1462.5	106.86	3.1250	2.395
17.00	1549.9	1465.0	106.46	3.0000	2.402
18.00	1552.1	1467.1	106.10	2.8889	2.409
19.00	1554.0	1469.1	105.78	2.7895	2.415
20.00	1555.8	1470.9	105.51	2.7000	2.421
21.00	1557.4	1472.4	105.27	2.6190	2.425
22.00	1558.4	1473.4	105.05	2.5455	2.429
23.00	1559.3	1474.4	104.87	2.4783	2.432
24.00	1560.4	1475.4	104.71	2.4167	2.435
25.00	1561.4	1476.5	104.57	2.3600	2.438
26.00	1562.5	1477.5	104.44	2.3077	2.441
27.00	1563.5	1478.5	104.34	2.2593	2.444
28.00	1564.4	1479.5	104.25	2.2143	2.447
29.00	1565.3	1480.4	104.18	2.1724	2.450
30.00	1566.1	1481.1	104.13	2.1333	2.453
31.00	1566.8	1481.8	104.08	2.0968	2.455
32.00	1567.4	1482.5	104.05	2.0625	2.457
33.00	1568.0	1483.1	104.03	2.0303	2.459
34.00	1568.7	1483.7	104.01	2.0000	2.461
35.00	1569.2	1484.3	104.01	1.9714	2.463
36.00	1569.8	1484.8	104.01	1.9444	2.464
37.00	1570.4	1485.5	104.02	1.9189	2.466
38.00	1571.0	1486.0	104.04	1.8947	2.468
39.00	1571.6	1486.6	104.05	1.8718	2.470
40.00	1572.1	1487.2	104.07	1.8500	2.472
41.00	1572.4	1487.5	104.10	1.8293	2.473
42.00	1572.7	1487.7	104.13	1.8095	2.473
43.00	1573.1	1488.2	104.17	1.7907	2.475
44.00	1577.2	1492.2	104.23	1.7727	2.488
45.00	1590.2	1505.2	104.30	1.7556	2.529
46.00	1587.4	1502.4	104.41	1.7391	2.520
47.00	1591.9	1506.9	104.53	1.7234	2.534
48.00	1594.4	1509.4	104.65	1.7083	2.542
49.00	1598.7	1513.8	104.75	1.6939	2.556
50.00	1596.8	1511.9	104.86	1.6800	2.550
51.00	1600.4	1515.5	104.99	1.6667	2.561
52.00	1596.7	1511.8	105.13	1.6538	2.550
53.00	1600.4	1515.5	105.28	1.6415	2.561
54.00	1599.7	1514.7	105.45	1.6296	2.559
55.00	1606.7	1521.7	105.62	1.6182	2.581
56.00	1606.4	1521.4	105.80	1.6071	2.581
57.00	1601.4	1516.5	105.96	1.5965	2.565
58.00	1604.5	1519.5	106.11	1.5862	2.574
59.00	1607.0	1522.1	106.24	1.5763	2.583
60.00	1606.7	1521.7	106.37	1.5667	2.581
61.00	1595.9	1511.0	106.49	1.5574	2.547
62.00	1595.7	1510.7	106.60	1.5484	2.546

***** End Shut-in 1

***** Start Flow 2

0.00	75.4	0.0	105.08
1.00	74.7	-0.7	104.26
2.00	74.8	-0.6	103.61

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9713 DST#3 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/14/97

TIME: 15:31:18

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	3.00	75.2	-0.2	103.11		
	4.00	75.6	0.2	102.73		
	5.00	76.0	0.6	102.45		
	6.00	76.5	1.1	102.25		
	7.00	77.1	1.7	102.09		
	8.00	77.5	2.1	101.97		
	9.00	77.9	2.5	101.90		
	10.00	78.1	2.7	101.84		
	11.00	78.4	3.0	101.79		
	12.00	78.6	3.2	101.75		
	13.00	78.9	3.5	101.70		
	14.00	79.1	3.6	101.66		
	15.00	79.3	3.9	101.62		
	16.00	79.5	4.1	101.59		
	17.00	79.7	4.3	101.57		
	18.00	79.9	4.5	101.57		
	19.00	80.2	4.7	101.59		
	20.00	80.3	4.9	101.63		
	21.00	80.5	5.1	101.69		
	22.00	80.5	5.1	101.73		
	23.00	80.6	5.2	101.77		
	24.00	80.7	5.2	101.79		
	25.00	80.8	5.3	101.78		
	26.00	81.0	5.5	101.76		
	27.00	81.2	5.8	101.72		
	28.00	81.3	5.9	101.67		
	29.00	81.4	6.0	101.61		
	30.00	81.4	6.0	101.54		
	31.00	81.5	6.1	101.47		
	32.00	81.5	6.1	101.37		
	33.00	81.6	6.2	101.27		
	34.00	81.6	6.1	101.18		
	35.00	81.7	6.2	101.06		
	36.00	81.7	6.3	100.95		
	37.00	81.7	6.3	100.82		
	38.00	81.7	6.3	100.69		
	39.00	82.0	6.5	100.56		
***** End Flow 2	40.00	84.7	9.3	100.43		
***** Start Shutin 2	0.00	84.7	0.0	100.43	0.0000	0.007
	1.00	326.5	241.8	100.28	75.0000	0.107
	2.00	766.7	682.0	100.48	38.0000	0.588
	3.00	1047.1	962.5	101.77	25.6667	1.096
	4.00	1221.2	1136.6	103.81	19.5000	1.491
	5.00	1328.4	1243.7	105.82	15.8000	1.765
	6.00	1394.7	1310.1	107.37	13.3333	1.945
	7.00	1436.7	1352.1	108.42	11.5714	2.064
	8.00	1464.2	1379.6	109.02	10.2500	2.144
	9.00	1482.8	1398.2	109.33	9.2222	2.199
	10.00	1496.1	1411.4	109.37	8.4000	2.238
	11.00	1505.8	1421.2	109.25	7.7273	2.267
	12.00	1513.2	1428.6	109.01	7.1667	2.290

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9713 DST#3 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/14/97

TIME: 15:31:18

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
13.00	1518.9	1434.3	108.70	6.6923	2.307
14.00	1523.4	1438.7	108.35	6.2857	2.321
15.00	1527.3	1442.7	107.98	5.9333	2.333
16.00	1530.7	1446.1	107.61	5.6250	2.343
17.00	1533.7	1449.0	107.25	5.3529	2.352
18.00	1536.3	1451.7	106.92	5.1111	2.360
19.00	1538.7	1454.0	106.61	4.8947	2.368
20.00	1540.8	1456.2	106.32	4.7000	2.374
21.00	1542.8	1458.1	106.07	4.5238	2.380
22.00	1544.4	1459.8	105.84	4.3636	2.385
23.00	1546.0	1461.4	105.62	4.2174	2.390
24.00	1547.4	1462.7	105.43	4.0833	2.394
25.00	1548.8	1464.1	105.25	3.9600	2.399
26.00	1550.0	1465.3	105.09	3.8462	2.402
27.00	1551.2	1466.5	104.95	3.7407	2.406
28.00	1552.3	1467.6	104.82	3.6429	2.410
29.00	1553.3	1468.6	104.71	3.5517	2.413
30.00	1554.3	1469.6	104.61	3.4667	2.416
31.00	1555.2	1470.6	104.52	3.3871	2.419
32.00	1556.1	1471.4	104.44	3.3125	2.421
33.00	1556.9	1472.2	104.37	3.2424	2.424
34.00	1557.7	1473.1	104.31	3.1765	2.426
35.00	1558.5	1473.9	104.25	3.1143	2.429
36.00	1559.3	1474.7	104.22	3.0556	2.431
37.00	1560.0	1475.4	104.18	3.0000	2.434
38.00	1560.8	1476.1	104.15	2.9474	2.436
39.00	1561.5	1476.9	104.13	2.8974	2.438
40.00	1562.2	1477.5	104.12	2.8500	2.440
41.00	1562.8	1478.2	104.11	2.8049	2.442
42.00	1563.5	1478.8	104.10	2.7619	2.445
43.00	1564.1	1479.4	104.11	2.7209	2.446
44.00	1564.7	1480.0	104.12	2.6818	2.448
45.00	1565.3	1480.7	104.13	2.6444	2.450
46.00	1565.9	1481.2	104.14	2.6087	2.452
47.00	1566.4	1481.7	104.16	2.5745	2.454
48.00	1566.9	1482.2	104.19	2.5417	2.455
49.00	1567.3	1482.6	104.22	2.5102	2.456
50.00	1567.8	1483.1	104.25	2.4800	2.458
51.00	1568.3	1483.6	104.29	2.4510	2.460
52.00	1568.8	1484.1	104.33	2.4231	2.461
53.00	1569.2	1484.5	104.38	2.3962	2.462
54.00	1580.1	1495.5	104.42	2.3704	2.497
55.00	1588.0	1503.3	104.48	2.3455	2.522
56.00	1589.5	1504.9	104.58	2.3214	2.527
57.00	1594.2	1509.5	104.71	2.2982	2.541
58.00	1592.8	1508.2	104.84	2.2759	2.537
59.00	1595.9	1511.3	104.96	2.2542	2.547
60.00	1598.4	1513.7	105.09	2.2333	2.555
61.00	1594.3	1509.6	105.21	2.2131	2.542
62.00	1590.7	1506.1	105.33	2.1935	2.530
63.00	1591.7	1507.0	105.45	2.1746	2.533

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9713 DST#3 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/14/97

TIME: 15:31:18

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	64.00	1592.7	1508.0	105.59	2.1562	2.537
	65.00	1591.6	1506.9	105.72	2.1385	2.533
	66.00	1595.0	1510.3	105.87	2.1212	2.544
	67.00	1593.9	1509.2	106.01	2.1045	2.540
	68.00	1597.6	1512.9	106.14	2.0882	2.552
	69.00	1595.5	1510.9	106.26	2.0725	2.546
	70.00	1595.7	1511.1	106.37	2.0571	2.546
	71.00	1595.8	1511.2	106.47	2.0423	2.547
	72.00	1597.9	1513.2	106.57	2.0278	2.553
	73.00	1599.3	1514.6	106.68	2.0137	2.558
	74.00	1599.4	1514.7	106.79	2.0000	2.558
	75.00	1601.9	1517.2	106.89	1.9867	2.566
	76.00	1601.4	1516.8	106.99	1.9737	2.565
	77.00	1592.5	1507.8	107.09	1.9610	2.536
	78.00	1592.5	1507.8	107.17	1.9487	2.536
	79.00	1595.6	1510.9	107.24	1.9367	2.546
	80.00	1601.5	1516.9	107.31	1.9250	2.565
	81.00	1600.7	1516.1	107.42	1.9136	2.562
	82.00	1605.0	1520.4	107.52	1.9024	2.576
	83.00	1602.6	1517.9	107.61	1.8916	2.568
	84.00	1604.5	1519.9	107.70	1.8810	2.575
	85.00	1602.2	1517.5	107.79	1.8706	2.567
	86.00	1602.6	1517.9	107.87	1.8605	2.568
	87.00	1602.8	1518.1	107.96	1.8506	2.569
	88.00	1605.5	1520.8	108.04	1.8409	2.578
	89.00	1605.9	1521.3	108.13	1.8315	2.579
	90.00	1607.3	1522.7	108.22	1.8222	2.584
	91.00	1603.5	1518.8	108.30	1.8132	2.571
	92.00	1594.4	1509.7	108.38	1.8043	2.542
***** End Shut-in 2	93.00	1597.3	1512.7	108.43	1.7957	2.551
***** Final Hydro.	346.00	2247.0	0.0	111.90		

TEST HISTORY

9713 DST#3 YOHN #1-17 CROSS BAR PETL. INC.

Flag Points

t(Min.) P(PSIg)

A:	0.00	2279.10
B:	0.00	81.23
C:	34.00	84.96
D:	62.00	1595.69
E:	0.00	75.41
F:	40.00	84.66
G:	93.00	1597.34
Q:	0.00	2247.02

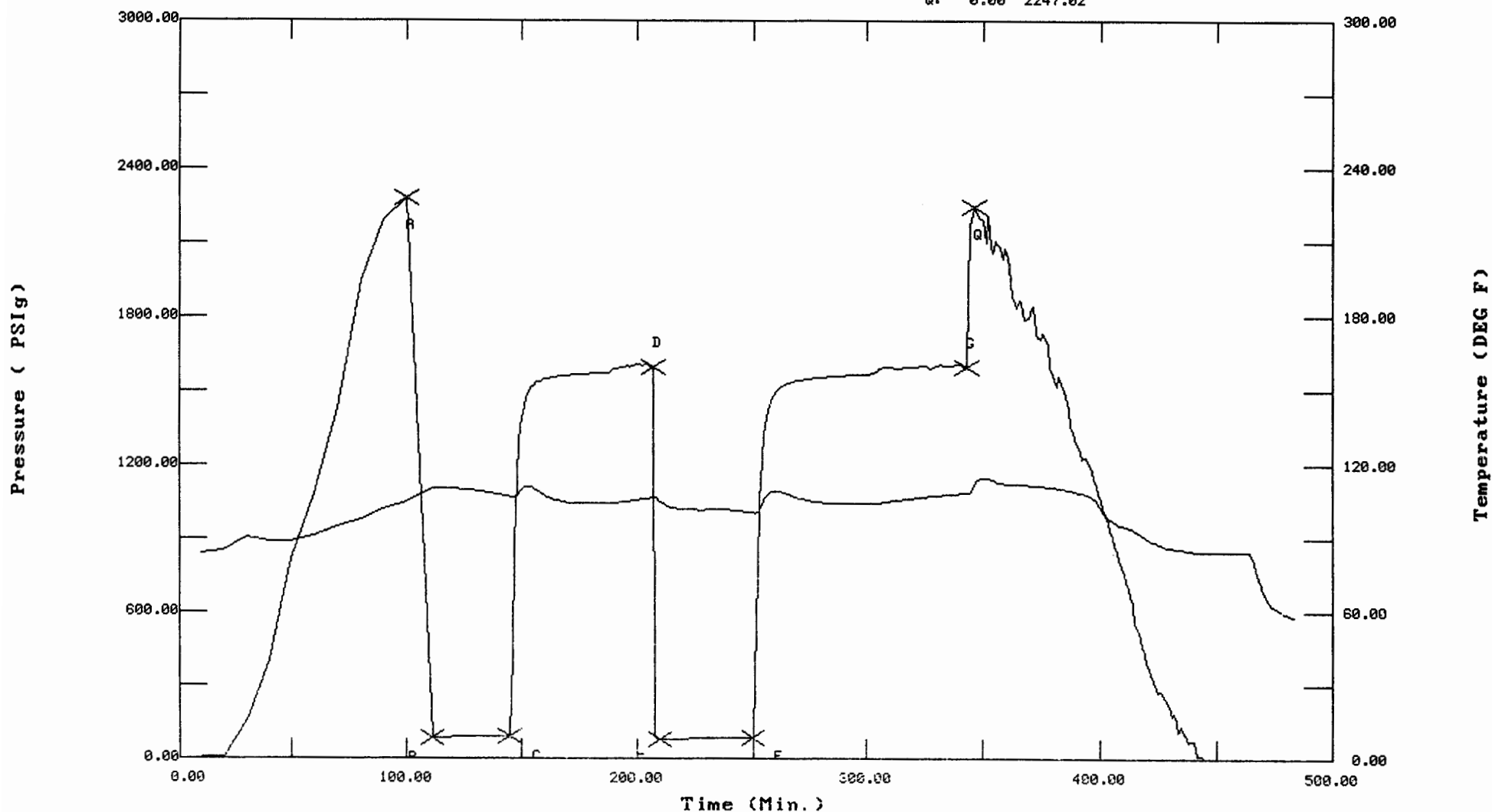
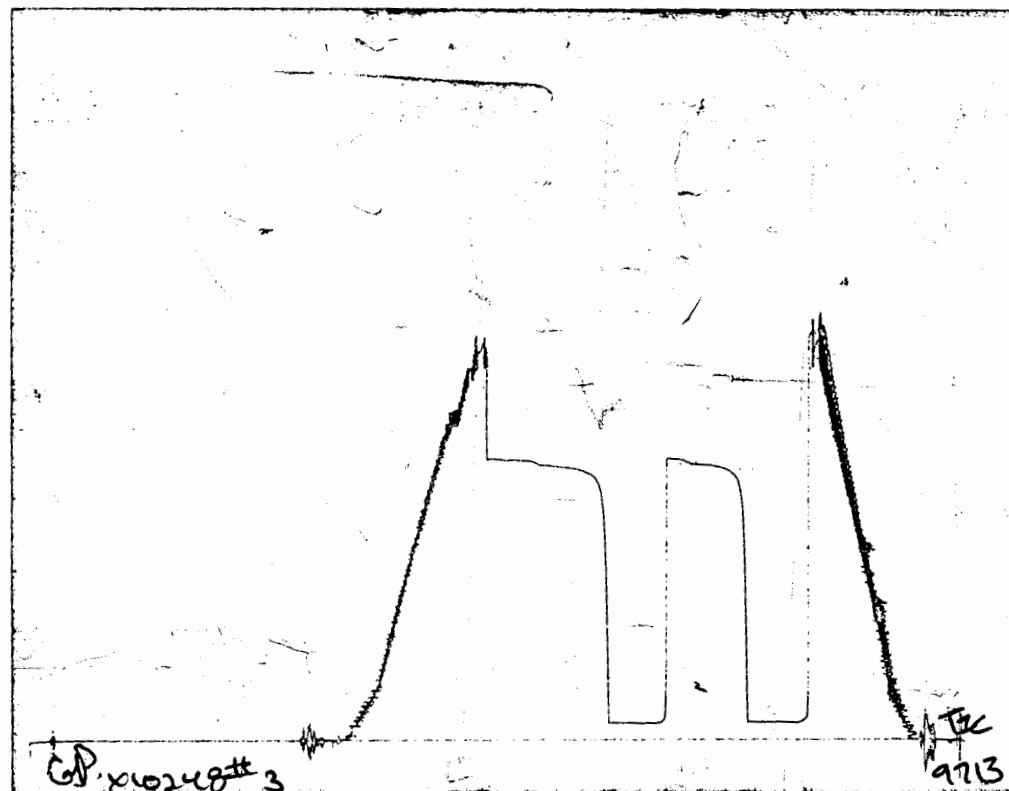


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9713

Well Name & No.	JOHN # 1-17	Test No.	3	Date	5-14-97
Company	CROSS BAR PETL. INC.	Zone Tested	PAWNEE		
Address	WICHITA KS. 67202	Elevation	2189 KB	2180 GL	
Co. Rep / Geo.	STEVE DAVIS	Cont.	SCARLING DRUG #4	Est. Ft. of Pay	4
Location: Sec.	17	Twp.	28E	Rge.	17W
		Co.	KIOWA	State	KS.
No. of Copies	6	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N
		Evaluation (Y, N)			

Interval Tested 4650 - 4690' Initial Str Wt./Lbs. 84,000 Unseated Str Wt./Lbs. 85,000
Anchor Length 40' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 108,000
Top Packer Depth 4645' Tool Weight 2,100 #
Bottom Packer Depth 4650' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4690' Wt. Pipe Run NONE Drill Collar Run 545'
Mud Wt. 9.1 LCM N Vis. 52 WL 8.8 Drill Pipe Size 4 1/2" X H. Ft. Run 4094'
Blow Description IF: Strong below. Btm. of level in 10 sec. GTS.
in 6 mins. (see gas volume report) ISI: Fair to strong below.
FF: Strong below. (see gas volume report)
FSI: Strong below.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>130</u>	<u>yes</u>	<u>130</u>	<u>N</u>
Rec. <u>130</u> Feet Of <u>G.C.M.</u>	<u>10</u> %gas	<u>0</u> %oil	<u>90</u> %water <u>0</u> %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud

BHT 111 °F Gravity N/A °API D@ N/A °F Corrected Gravity N/A °API
RW N.C. @ N °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud	2326	2279	PSI	Recorder No.	10248	T-Started	1531
(B) First Initial Flow Pressure	91	81	PSI	(depth)	4637'	T-Open	1713
(C) First Final Flow Pressure	91	85	PSI	Recorder No.	3030	T-Pulled	2115
(D) Initial Shut-in Pressure	1613	1596	PSI	(depth)	4660'	T-Out	2340
(E) Second Initial Flow Pressure	96	98	PSI	Recorder No.			
(F) Second Final Flow Pressure	98	85	PSI	(depth)			
(G) Final Shut-in Pressure	1613	1597	PSI	Initial Opening	45	Test	✓ 700 ⁰⁰
(H) Final Hydrostatic Mud	2261	2247	PSI	Initial Shut-in	60	Jars	✓ 200 ⁰⁰

AK-1 ALPINE Final Flow 45 Safety Joint ✓ 50⁰⁰
Final Shut-in 90 Straddle _____
Circ. Sub _____
Sampler _____

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

Approved By [Signature]
Our Representative [Signature]

Extra Packer _____
Elect. Rec. ✓ 150⁰⁰
Other _____
TOTAL PRICE \$ ✓ 1100⁰⁰



GAS VOLUME REPORT

Cross Bank Petal Inc.

Yours # 1-17

OPERATOR

WELL NAME AND NO.

3
DST NO

INITIAL OPEN

Final Open

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petl.Inc.

DATE 05-15-97

WELL NAME: Yohn #1-17

KB 2189.00 ft

TICKET NO: 9714

DST #4

LOCATION : Sec.17 Twp.28s Rge.17w Ks

GR 2180.00 ft

FORMATION: Mississippi

INTERVAL : 4742.00 To 4780.00 ft

TD 4780.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 50 Rec.	10248	10248	3030			PF Fr. 1340 to 1430 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1430 to 1530 hr
SF 50 Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 1530 to 1620 hr
FS 100 Depth(ft)	4777.0	4777.0	4752.0	0.0	0.0	FS Fr. 1620 to 1800 hr

	Field	1	2	3	4	
A. Init Hydro	2349.0	2345.0	2327.0	0.0	0.0	T STARTED 1147 hr
B. First Flow	55.0	66.0	38.0	0.0	0.0	T ON BOTM 1335 hr
B1. Final Flow	60.0	65.0	50.0	0.0	0.0	T OPEN 1340 hr
C. In Shut-in	1301.0	1304.0	1303.0	0.0	0.0	T PULLED 1802 hr
D. Init Flow	55.0	58.0	31.0	0.0	0.0	T OUT 2020 hr
E. Final Flow	55.0	60.0	47.0	0.0	0.0	
F. Fl Shut-in	1358.0	1364.0	1366.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2261.0	2290.0	2279.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 85000.00 lbs
						Unseated Str Wt 85000.00 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 545.00 ft
						D.P. Length 4184.00 ft

RECOVERY

Tot Fluid 85.00 ft of 85.00 ft in DC and 0.00 ft in DP
 85.00 ft of Heavy 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 EST. FT. OF PAY-----25
 SALINITY 11000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow, bottom of bucket in 20sec
 Gas to Surface in 18 minutes
 See gas volume report

Initial Shut In:
 Fair to strong blow

Final Flow:
 Strong blow, see gas volume report

Final Shut In:
 Fair to strong blow

SAMPLES: Gas sample
 SENT TO:Caraway / Liberal Ks

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Steve Davis
Contr.	Sterling Drlg.
Rig #	4
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONV

WELL NAME: Yohn #1-17
 LOCATION : Sec.17 Twp.28s Rge.17w Ks
 TICKET No. 9714 D.S.T. No. 4 DATE 05-15-97
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 26
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 38
 TOTAL TOOL 64
 RILL COLLAR ANCHOR IN INTERVAL
 D.C. ANCHOR STND.Stands Single Total
 D.P. ANCHOR STND.Stands Single Total
 TOTAL ASSEMBLY 64
 D.C. ABOVE TOOLS.Stands9 Single Total 545
 D.P. ABOVE TOOLS.Stands68 Single Total 4184
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4793
 TOTAL DEPTH 4780
 TOTAL DRILL PIPE ABOVE K.B. 13

REMARKS:

FLUID SAMPLER DATA (not run)

GAS----- Cubic Ft.
 OIL----- ML.
 MUD----- ML.
 WATER----- ML.
 OTHER----- ML.
 PRESSURE----- PSI
 VISCOSITY----- OHMS @
 TEMPERATURE----- DEGREES F
 CHLORIDES----- ppm.

P.O. SUB
 C.O. SUB Top of tool @ 4716
 S.I. TOOL H & T 4722
 HMV Sterling 4727
 JARS Sterling 4731
 SAFETY JOINT Bowen 4733
 PACKER Top 4737
 PACKER Bottom 4742
 DEPTH 4742
 STUBB 1' 4743
 ANCHOR
 perfs
 Alpine rec. @ 4752
 T.C.
 DEPTH
 32 ft. perfs to 4775
 AK-1 rec. @ 4777
 BULLNOSE 5' Perforated to 4780
 T.D.

GAS RECOVERY

COMPANY: Cross Bar Petl.Inc.

DATE: 05-15-97

WELL NAME: Yohn #1-17

KB Elev: 2189.00 ft TICKET #9714 DST #4

WELL LOCATION: Sec.17 Twp.28s Rge.17w Ks

GR Elev: 2180.00 ft FORMATION: Mississippi

INTERVAL Fr.: 4742.00 To 4780.00 T.D.: 4780.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.25	4	0	17100.0
30	0.25	8	0	27000.0
40	0.25	10	0	30800.0
50	0.25	11	0	32400.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	12	0	34000.0
20	0.25	13	0	35900.0
30	0.25	13	0	35900.0
40	0.25	14	0	37600.0
50	0.25	14	0	37600.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 971378
Sample From: Yohn 1-17 DST 4
Producer: Cross Bar Petroleum
Date:
Time:
Sampler:
Source:

Analyzed: 05/19/97
Pressure:
Temperature:
Location: 17-28-17
County: Kiowa
State: Kansas
Formation: Miss.

	Mole %	GPM
Helium	He: 0.211	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.244	0.000
Carbon Dioxide	CO2: 0.119	0.000
Methane	C1: 91.722	0.000
Ethane	C2: 3.356	0.898
Propane	C3: 1.165	0.321
Iso Butane	iC4: 0.189	0.062
Normal Butane	nC4: 0.389	0.123
Iso Pentane	iC5: 0.126	0.046
Normal Pentane	nC5: 0.131	0.047
Hexanes Plus	C6+: 0.348	0.152

TOTAL: 100.000 1.648
Z Fact: 0.9977
SP.GR.: 0.6136
BTU (SAT): 1048.4 @ 14.73 psia
BTU (DRY): 1066.9 @ 14.73 psia
OCTANE RATING: 124.6

COMMENTS:

0.000

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/15/97

TIME: 11:47:28

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	110.00	2327.3	0.0	106.89		
***** Start Flow 1	0.00	37.7	0.0	107.04		
	1.00	39.2	1.5	107.48		
	2.00	41.7	4.0	108.32		
	3.00	44.5	6.7	109.20		
	4.00	43.0	5.2	109.94		
	5.00	42.5	4.7	110.52		
	6.00	43.8	6.1	110.98		
	7.00	46.5	8.7	111.33		
	8.00	44.6	6.9	111.60		
	9.00	47.2	9.5	111.83		
	10.00	47.0	9.3	112.01		
	11.00	46.8	9.1	112.15		
	12.00	48.9	11.2	112.27		
	13.00	47.9	10.2	112.37		
	14.00	50.7	12.9	112.44		
	15.00	50.1	12.4	112.52		
	16.00	50.9	13.2	112.58		
	17.00	51.6	13.8	112.63		
	18.00	52.0	14.3	112.67		
	19.00	51.7	14.0	112.71		
	20.00	51.4	13.6	112.74		
	21.00	51.9	14.1	112.77		
	22.00	51.0	13.2	112.79		
	23.00	48.8	11.1	112.82		
	24.00	46.8	9.0	112.83		
	25.00	45.8	8.0	112.84		
	26.00	46.3	8.6	112.86		
	27.00	45.7	8.0	112.87		
	28.00	46.4	8.6	112.88		
	29.00	46.6	8.8	112.89		
	30.00	47.2	9.5	112.89		
	31.00	46.8	9.1	112.90		
	32.00	46.9	9.2	112.90		
	33.00	47.0	9.3	112.90		
	34.00	47.2	9.4	112.90		
	35.00	47.7	10	112.90		
	36.00	48.3	10.5	112.90		
	37.00	48.5	10.7	112.90		
	38.00	49.0	11.2	112.91		
	39.00	48.9	11.1	112.90		
	40.00	49.0	11.2	112.90		
	41.00	49.3	11.5	112.90		
	42.00	49.2	11.5	112.90		
	43.00	49.2	11.5	112.90		
	44.00	49.4	11.7	112.89		
	45.00	49.5	11.8	112.89		
	46.00	49.6	11.8	112.89		
	47.00	49.7	12.0	112.89		
	48.00	49.8	12.1	112.89		
***** End Flow 1	49.00	49.9	12.2	112.89		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL. INC.

DATE: 05/15/97

TIME: 11:47:28

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Shutin 1	0.00	49.9	0.0	112.89	0.0000	0.002
	1.00	97.2	47.3	112.89	50.0000	0.009
	2.00	348.4	298.5	112.90	25.5000	0.121
	3.00	538.7	488.8	112.92	17.3333	0.290
	4.00	688.1	638.2	112.95	13.2500	0.474
	5.00	799.2	749.2	112.99	10.8000	0.639
	6.00	888.0	838.0	113.02	9.1667	0.788
	7.00	959.0	909.1	113.05	8.0000	0.920
	8.00	1015.9	966.0	113.08	7.1250	1.032
	9.00	1061.6	1011.7	113.11	6.4444	1.127
	10.00	1098.6	1048.7	113.13	5.9000	1.207
	11.00	1128.6	1078.7	113.15	5.4545	1.274
	12.00	1153.1	1103.1	113.17	5.0833	1.330
	13.00	1173.1	1123.1	113.19	4.7692	1.376
	14.00	1189.8	1139.8	113.21	4.5000	1.416
	15.00	1203.6	1153.6	113.23	4.2667	1.449
	16.00	1215.2	1165.3	113.24	4.0625	1.477
	17.00	1225.0	1175.1	113.27	3.8824	1.501
	18.00	1233.5	1183.6	113.28	3.7222	1.522
	19.00	1240.8	1190.9	113.30	3.5789	1.540
	20.00	1247.1	1197.1	113.32	3.4500	1.555
	21.00	1252.5	1202.6	113.33	3.3333	1.569
	22.00	1257.3	1207.3	113.36	3.2273	1.581
	23.00	1261.5	1211.6	113.38	3.1304	1.591
	24.00	1265.2	1215.2	113.40	3.0417	1.601
	25.00	1268.5	1218.6	113.42	2.9600	1.609
	26.00	1271.4	1221.5	113.45	2.8846	1.617
	27.00	1274.2	1224.2	113.47	2.8148	1.623
	28.00	1276.6	1226.7	113.49	2.7500	1.630
	29.00	1278.8	1228.9	113.52	2.6897	1.635
	30.00	1280.8	1230.9	113.54	2.6333	1.641
	31.00	1282.7	1232.7	113.57	2.5806	1.645
	32.00	1284.4	1234.4	113.60	2.5312	1.650
	33.00	1285.9	1236.0	113.63	2.4848	1.654
	34.00	1287.2	1237.3	113.65	2.4412	1.657
	35.00	1288.3	1238.4	113.68	2.4000	1.660
	36.00	1289.4	1239.5	113.71	2.3611	1.663
	37.00	1290.4	1240.5	113.74	2.3243	1.665
	38.00	1291.3	1241.4	113.77	2.2895	1.668
	39.00	1292.2	1242.3	113.81	2.2564	1.670
	40.00	1293.2	1243.3	113.84	2.2250	1.672
	41.00	1293.9	1244.0	113.87	2.1951	1.674
	42.00	1294.6	1244.7	113.90	2.1667	1.676
	43.00	1295.3	1245.4	113.93	2.1395	1.678
	44.00	1296.0	1246.1	113.96	2.1136	1.680
	45.00	1296.7	1246.7	114.00	2.0889	1.681
	46.00	1297.2	1247.3	114.03	2.0652	1.683
	47.00	1297.7	1247.8	114.06	2.0426	1.684
	48.00	1298.3	1248.4	114.09	2.0208	1.686
	49.00	1298.8	1248.9	114.13	2.0000	1.687
	50.00	1299.3	1249.3	114.16	1.9800	1.688

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/15/97

TIME: 11:47:28

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.00	1299.7	1249.7	114.20	1.9608	1.689
	52.00	1300.1	1250.2	114.23	1.9423	1.690
	53.00	1300.6	1250.6	114.26	1.9245	1.691
	54.00	1301.0	1251.0	114.30	1.9074	1.693
	55.00	1301.4	1251.5	114.33	1.8909	1.694
	56.00	1301.9	1251.9	114.36	1.8750	1.695
	57.00	1302.3	1252.3	114.40	1.8596	1.696
	58.00	1302.6	1252.6	114.44	1.8448	1.697
	59.00	1302.9	1252.9	114.47	1.8305	1.697
	60.00	1303.1	1253.2	114.50	1.8167	1.698
***** End Shut-in 1	61.00	1303.4	1253.4	114.54	1.8033	1.699
***** Start Flow 2	0.00	31.0	0.0	114.58		
	1.00	33.6	2.6	114.68		
	2.00	38.2	7.1	114.82		
	3.00	39.2	8.2	114.95		
	4.00	39.7	8.7	115.04		
	5.00	40.2	9.2	115.10		
	6.00	40.6	9.6	115.12		
	7.00	40.8	9.8	115.13		
	8.00	42.0	11.0	115.12		
	9.00	42.9	11.9	115.10		
	10.00	43.4	12.4	115.07		
	11.00	43.7	12.7	115.03		
	12.00	43.9	12.9	115.00		
	13.00	44.1	13.1	114.96		
	14.00	44.4	13.4	114.92		
	15.00	44.5	13.5	114.88		
	16.00	44.7	13.7	114.84		
	17.00	44.9	13.9	114.80		
	18.00	45.0	14.0	114.77		
	19.00	45.2	14.2	114.73		
	20.00	45.2	14.2	114.69		
	21.00	45.4	14.4	114.67		
	22.00	45.5	14.5	114.63		
	23.00	45.6	14.6	114.60		
	24.00	45.7	14.7	114.57		
	25.00	45.8	14.8	114.53		
	26.00	45.9	14.9	114.50		
	27.00	46.0	15.0	114.47		
	28.00	46.1	15.1	114.44		
	29.00	46.2	15.2	114.41		
	30.00	46.2	15.2	114.38		
	31.00	46.3	15.3	114.36		
	32.00	46.4	15.4	114.33		
	33.00	46.4	15.4	114.30		
	34.00	46.6	15.6	114.27		
	35.00	46.6	15.6	114.24		
	36.00	46.7	15.7	114.22		
	37.00	46.7	15.7	114.20		
	38.00	46.8	15.8	114.17		
	39.00	46.9	15.9	114.14		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/15/97

TIME: 11:47:28

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	40.00	46.9	15.9	114.12		
	41.00	47.0	16.0	114.10		
	42.00	47.1	16.1	114.09		
	43.00	47.1	16.1	114.06		
	44.00	47.2	16.2	114.05		
	45.00	47.2	16.2	114.02		
	46.00	47.2	16.2	114.01		
	47.00	47.3	16.3	113.98		
***** End Flow 2	48.00	47.4	16.4	113.96		
***** Start Shutin 2	0.00	47.4	0.0	113.96	0.0000	0.002
	1.00	143.8	96.4	113.95	98.0000	0.021
	2.00	348.1	300.6	113.94	49.5000	0.121
	3.00	517.3	469.9	113.96	33.3333	0.268
	4.00	659.1	611.7	114.00	25.2500	0.434
	5.00	775.0	727.6	114.03	20.4000	0.601
	6.00	871.3	823.9	114.06	17.1667	0.759
	7.00	950.7	903.3	114.09	14.8571	0.904
	8.00	1016.1	968.7	114.12	13.1250	1.033
	9.00	1070.0	1022.6	114.15	11.7778	1.145
	10.00	1114.4	1067.0	114.17	10.7000	1.242
	11.00	1150.8	1103.4	114.19	9.8182	1.324
	12.00	1180.8	1133.4	114.21	9.0833	1.394
	13.00	1205.5	1158.1	114.23	8.4615	1.453
	14.00	1223.6	1176.2	114.24	7.9286	1.497
	15.00	1237.5	1190.1	114.26	7.4667	1.531
	16.00	1249.8	1202.4	114.27	7.0625	1.562
	17.00	1260.5	1213.1	114.28	6.7059	1.589
	18.00	1269.8	1222.4	114.29	6.3889	1.612
	19.00	1278.0	1230.6	114.30	6.1053	1.633
	20.00	1285.2	1237.7	114.32	5.8500	1.652
	21.00	1291.4	1244.0	114.34	5.6190	1.668
	22.00	1297.0	1249.6	114.35	5.4091	1.682
	23.00	1302.0	1254.6	114.36	5.2174	1.695
	24.00	1306.4	1259.0	114.38	5.0417	1.707
	25.00	1310.3	1262.9	114.40	4.8800	1.717
	26.00	1314.0	1266.6	114.41	4.7308	1.727
	27.00	1317.2	1269.8	114.43	4.5926	1.735
	28.00	1320.1	1272.7	114.45	4.4643	1.743
	29.00	1322.4	1275.0	114.46	4.3448	1.749
	30.00	1324.7	1277.3	114.49	4.2333	1.755
	31.00	1326.9	1279.5	114.51	4.1290	1.761
	32.00	1329.0	1281.6	114.53	4.0312	1.766
	33.00	1330.7	1283.3	114.55	3.9394	1.771
	34.00	1332.3	1284.8	114.57	3.8529	1.775
	35.00	1333.8	1286.4	114.60	3.7714	1.779
	36.00	1334.8	1287.4	114.62	3.6944	1.782
	37.00	1334.0	1286.6	114.64	3.6216	1.779
	38.00	1332.9	1285.5	114.67	3.5526	1.777
	39.00	1332.3	1284.9	114.69	3.4872	1.775
	40.00	1332.4	1285.0	114.71	3.4250	1.775
	41.00	1332.6	1285.2	114.73	3.3659	1.776

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/15/97

TIME: 11:47:28

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
42.00	1332.9	1285.5	114.76	3.3095	1.777
43.00	1333.4	1285.9	114.78	3.2558	1.778
44.00	1333.8	1286.4	114.81	3.2045	1.779
45.00	1334.4	1287.0	114.83	3.1556	1.781
46.00	1335.0	1287.6	114.86	3.1087	1.782
47.00	1335.5	1288.1	114.88	3.0638	1.784
48.00	1336.2	1288.8	114.91	3.0208	1.785
49.00	1336.8	1289.4	114.94	2.9796	1.787
50.00	1337.4	1290.0	114.96	2.9400	1.789
51.00	1338.0	1290.6	114.98	2.9020	1.790
52.00	1338.6	1291.2	115.00	2.8654	1.792
53.00	1339.1	1291.7	115.04	2.8302	1.793
54.00	1339.7	1292.3	115.06	2.7963	1.795
55.00	1340.2	1292.8	115.09	2.7636	1.796
56.00	1340.7	1293.3	115.11	2.7321	1.797
57.00	1341.2	1293.8	115.14	2.7018	1.799
58.00	1341.7	1294.3	115.17	2.6724	1.800
59.00	1342.2	1294.8	115.20	2.6441	1.802
60.00	1342.7	1295.3	115.22	2.6167	1.803
61.00	1343.2	1295.8	115.25	2.5902	1.804
62.00	1343.6	1296.2	115.28	2.5645	1.805
63.00	1344.1	1296.7	115.30	2.5397	1.807
64.00	1344.5	1297.1	115.33	2.5156	1.808
65.00	1344.9	1297.5	115.35	2.4923	1.809
66.00	1347.1	1299.7	115.39	2.4697	1.815
67.00	1349.8	1302.4	115.41	2.4478	1.822
68.00	1351.6	1304.2	115.44	2.4265	1.827
69.00	1353.1	1305.7	115.46	2.4058	1.831
70.00	1354.4	1307.0	115.49	2.3857	1.834
71.00	1355.4	1308.0	115.52	2.3662	1.837
72.00	1356.2	1308.8	115.54	2.3472	1.839
73.00	1357.0	1309.6	115.57	2.3288	1.841
74.00	1357.6	1310.2	115.60	2.3108	1.843
75.00	1358.2	1310.8	115.63	2.2933	1.845
76.00	1358.5	1311.1	115.66	2.2763	1.845
77.00	1358.5	1311.1	115.68	2.2597	1.846
78.00	1358.7	1311.3	115.71	2.2436	1.846
79.00	1358.9	1311.5	115.74	2.2278	1.847
80.00	1359.1	1311.7	115.77	2.2125	1.847
81.00	1359.5	1312.1	115.79	2.1975	1.848
82.00	1359.9	1312.5	115.82	2.1829	1.849
83.00	1360.2	1312.8	115.85	2.1687	1.850
84.00	1360.5	1313.1	115.87	2.1548	1.851
85.00	1360.9	1313.5	115.90	2.1412	1.852
86.00	1361.4	1313.9	115.92	2.1279	1.853
87.00	1361.8	1314.3	115.96	2.1149	1.854
88.00	1362.2	1314.7	115.98	2.1023	1.855
89.00	1362.5	1315.1	116.01	2.0899	1.856
90.00	1362.8	1315.4	116.04	2.0778	1.857
91.00	1363.1	1315.7	116.06	2.0659	1.858
92.00	1363.4	1316.0	116.09	2.0543	1.859

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9714 DST#4 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/15/97

TIME: 11:47:28

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	93.00	1363.5	1316.1	116.12	2.0430	1.859
	94.00	1363.7	1316.3	116.14	2.0319	1.860
	95.00	1364.0	1316.6	116.17	2.0211	1.860
	96.00	1364.2	1316.8	116.19	2.0104	1.861
	97.00	1364.5	1317.1	116.22	2.0000	1.862
	98.00	1364.9	1317.5	116.25	1.9898	1.863
	99.00	1365.1	1317.7	116.28	1.9798	1.864
	100.00	1365.5	1318.1	116.30	1.9700	1.865
***** End Shut-in 2	101.00	1365.7	1318.3	116.33	1.9604	1.865
***** Final Hydro.	375.00	2279.1	0.0	116.49		

TEST HISTORY

9714 DST#4 YOHN #1-17 CROSS BAR PETL. INC.

Flag Points
t(Min.) P(PSig)

A: 0.00 2327.29
B: 0.00 37.74
C: 49.00 49.93
D: 61.00 1303.36
E: 0.00 31.01
F: 48.00 47.41
G: 101.00 1365.74
Q: 0.00 2279.10

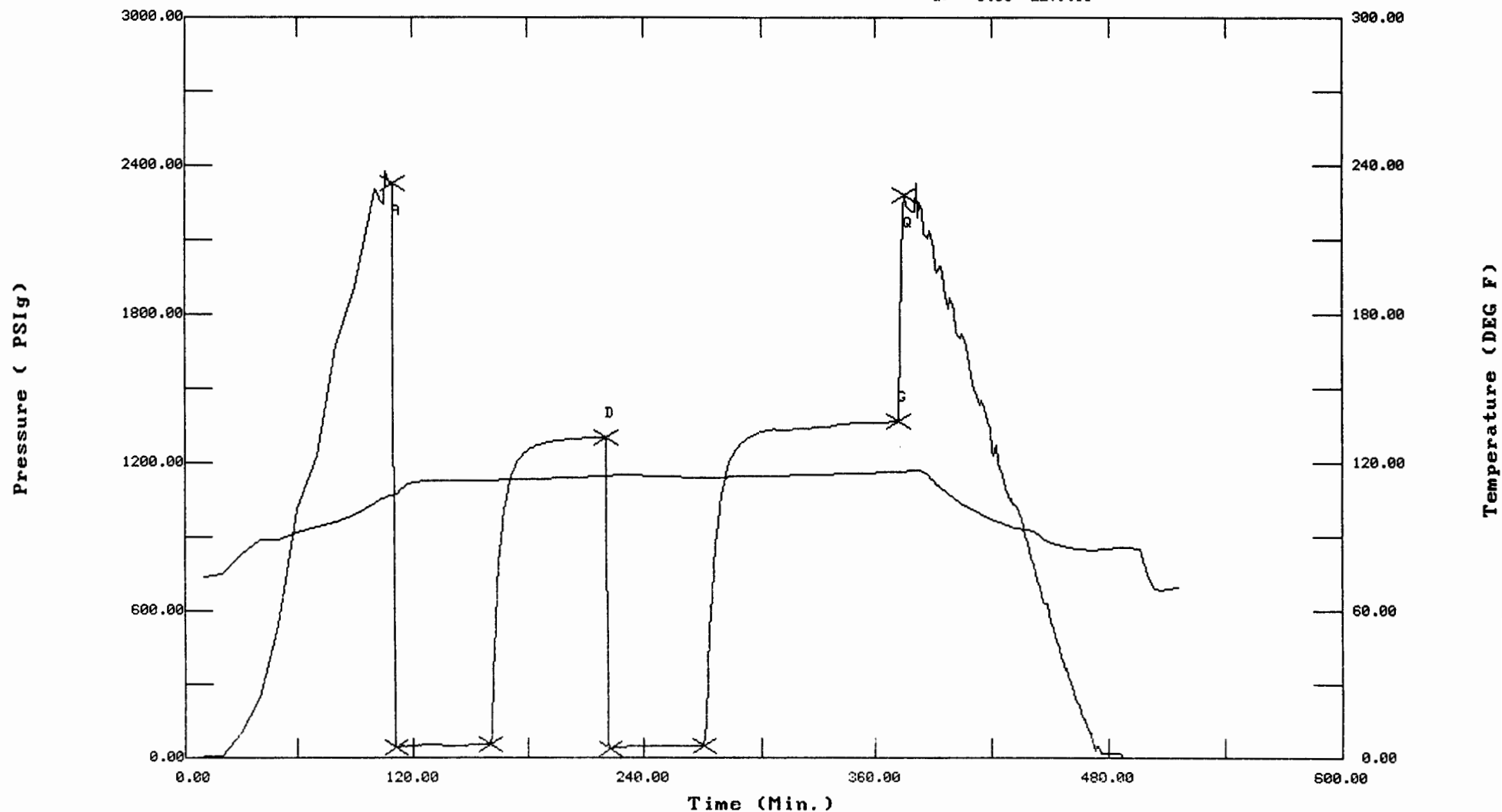
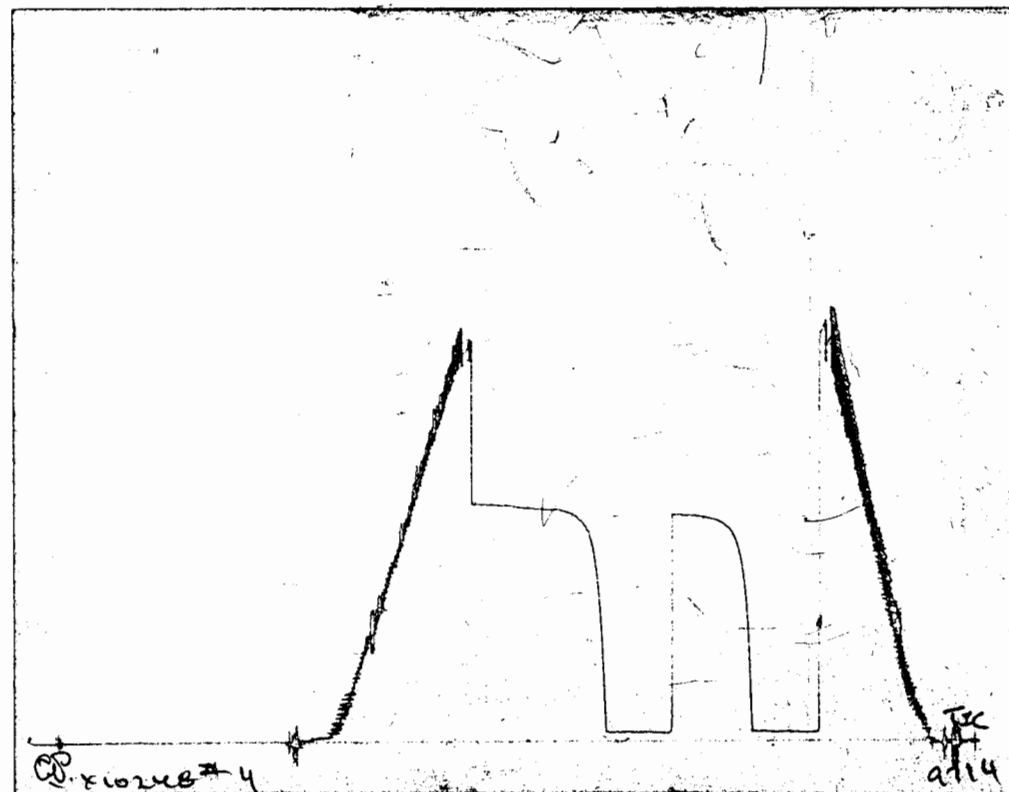


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9714

Well Name & No.	YOUNG # 1-17	Test No.	4	Date	5-15-97
Company	CROSS BAR PETL. INC.	Zone Tested	MASS.		
Address	WICHITA KS. 67202	Elevation	2189 KB 2180 GL		
Co. Rep / Geo.	STEVE DAVIS	Cont.	SHARLING DING #4	Est. Ft. of Pay	25 Por. 10 %
Location: Sec.	17	Twp.	28 ^s	Rge.	17W Co. KIOWA State KS.
No. of Copies	6	Distribution Sheet (Y, N)	~	Turnkey (Y, N)	— Evaluation (Y, N) ~

Interval Tested 4742 - 4780' Initial Str Wt./Lbs. 85,000 Unseated Str Wt./Lbs. 85,000
Anchor Length 38' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 110,000
Top Packer Depth 4737' Tool Weight 2,100^{lb}
Bottom Packer Depth 4742' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4780' Wt. Pipe Run NONE Drill Collar Run 545'
Mud Wt. 9.1 LCM ~ Vis. 48 WL 9.6 cc. Drill Pipe Size 4 1/2" X H. Ft. Run 4184'
Blow Description IF: Strong below. Btm of fluid in 20 secs. G.T.S. in 18 mins. (see gas volume report) ISI: Fair to strong below. FF: Strong below. (see gas volume report) FSI: Fair to strong below.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>85</u>	<u>yes</u>	<u>85</u>	<u>~</u>
Rec. <u>85</u> Feet Of <u>Heavy Mud.</u>	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud

BHT 116 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API
RW N/A @ ~ °F Chlorides 11,000 ppm Recovery Chlorides 11,000 ppm System

(A) Initial Hydrostatic Mud	<u>2349</u>	<u>2340</u> PSI	Recorder No.	<u>10248</u>	T-Started	<u>1147</u>
(B) First Initial Flow Pressure	<u>55</u>	<u>38</u> PSI	(depth)	<u>4777'</u>	T-Open	<u>1340</u>
(C) First Final Flow Pressure	<u>60</u>	<u>50</u> PSI	Recorder No.	<u>3030</u>	T-Pulled	<u>1802</u>
(D) Initial Shut-in Pressure	<u>1301</u>	<u>1303</u> PSI	(depth)	<u>4752'</u>	T-Out	<u>2020</u>
(E) Second Initial Flow Pressure	<u>55</u>	<u>63</u> PSI	Recorder No.	<u>~</u>		
(F) Second Final Flow Pressure	<u>55</u>	<u>47</u> PSI	(depth)	<u>~</u>		
(G) Final Shut-in Pressure	<u>1358</u>	<u>1366</u> PSI	Initial Opening	<u>50</u>	Test	<u>✓ 700⁰⁰</u>
(H) Final Hydrostatic Mud	<u>2261</u>	<u>2279</u> PSI	Initial Shut-in	<u>60</u>	Jars	<u>✓ 200⁰⁰</u>
	<u>AK-1</u>	<u>ALPINE</u>	Final Flow	<u>50</u>	Safety Joint	<u>✓ 50⁰⁰</u>
			Final Shut-in	<u>100</u>	Straddle	<u>~</u>
				<u>4</u>	Circ. Sub	<u>~</u>
				<u>1</u>	Sampler	<u>~</u>

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

Approved By [Signature]
Our Representative [Signature]

Extra Packer ~
Elect. Rec. ✓ 150⁰⁰
Other ~
TOTAL PRICE \$ ✓ 1100⁰⁰



GAS VOLUME REPORT

JOHN # 1-17

WELL NAME AND NO.

4
DST NO

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Petl.Inc.

DATE 05-16-97

WELL NAME: Yohn #1-17

KB 2189.00 ft

TICKET NO: 9715

DST #5

LOCATION : Sec.17 Twp.28s Rge.17w Ks

GR 2180.00 ft

FORMATION: Kinderhook

INTERVAL : 4800.00 To 4824.00 ft

TD 4824.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	3030			PF Fr. 0722 to 0752 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0752 to 0852 hr
SF 15 Clock(hrs)	12hr.	12hr.	Elec			SF Fr. 0852 to 0908 hr
FS 0 Depth(ft)	4821.0	4821.0	4806.0	0.0	0.0	FS Fr. none to hr

	Field	1	2	3	4	
A. Init Hydro	2371.0	2365.0	2345.0	0.0	0.0	T STARTED 0503 hr
B. First Flow	30.0	42.0	23.0	0.0	0.0	T ON BOTM 0718 hr
B1. Final Flow	37.0	35.0	28.0	0.0	0.0	T OPEN 0722 hr
C. In Shut-in	1111.0	1095.0	1107.0	0.0	0.0	T PULLED 0908 hr
D. Init Flow	55.0	62.0	34.0	0.0	0.0	T OUT 1120 hr
E. Final Flow	64.0	53.0	39.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2316.0	2281.0	2290.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 21000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 86000.00 lbs
						Unseated Str Wt 86000.00 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 545.00 ft
						D.P. Length 4244.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
 20.00 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 EST. FT. OF PAY-----6
 SALINITY 11000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow, 1/4 - 1/2"

Initial Shut In:
 No blow

Final Flow:
 No blow, Flushed tool 6 mins in to

Final Shut In:
 No blow

SAMPLES: none
 SENT TO:Caraway / Liberal Ks

Test Successful: Y

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/ci
 Vis. 49.00 S/L
 W.L. 9.60 in3
 F.C. 0.20 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 115.00 F
 Hole Condition good
 % Porosity 9.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 N
 Cushion Type None
 Reversed Out N
 Tool Chased N
 Tester Gary Pevoteaux
 Co. Rep. Steve Davis
 Contr. Sterling Drlg.
 Rig # 4
 Unit #
 Pump T.

*** TOOL DIAGRAM *** CONV

WELL NAME: Yohn #1-17

LOCATION : Sec.17 Twp.28s Rge.17w Ks

TICKET No. 9715 D.S.T. No. 5 DATE 05-16-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 50

C. ABOVE TOOLS.Stands9 Single Total 545

P. ABOVE TOOLS.Stands69 Single Total 4244

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4839

TOTAL DEPTH 4824

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

FLUID SAMPLER DATA (not run)

AS-----	Cubic Ft.
IL-----	ML.
UD-----	ML.
WATER-----	ML.
OTHER-----	ML.
PRESSURE-----	PSI
W-----	OHMS @
	DEGREES F
CHLORIDES-----	ppm.

P.O. SUB
C.O. SUB Top of tool @ 4774

S.I. TOOL H & T 4780

HMV Sterling 4785

JARS Sterling 4789

SAFETY JOINT Bowen 4791

PACKER Top 4795

PACKER Bottom 4800

DEPTH 4800
STUBB 1' 4801

ANCHOR

perfs

Alpine rec. @ 4806

T.C.
DEPTH

18 ft. perfs to 4819

AK-1 rec. @ 4821

BULLNOSE 5' Perforated to 4824
T.D.

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9715 DST#5 YOHN #1-17 CROSS BAR PETL.INC.
 DATE: 05/16/97 TIME: 05:03:05

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	136.00	2345.1	0.0	107.87		
***** Start Flow 1	0.00	22.9	0.0	108.07		
	1.00	22.6	-0.3	108.14		
	2.00	23.0	0.0	108.16		
	3.00	23.2	0.3	108.18		
	4.00	23.5	0.6	108.20		
	5.00	23.8	0.8	108.22		
	6.00	24.0	1.0	108.26		
	7.00	24.1	1.1	108.29		
	8.00	24.3	1.3	108.33		
	9.00	24.4	1.4	108.38		
	10.00	24.5	1.6	108.43		
	11.00	24.6	1.7	108.49		
	12.00	24.7	1.8	108.55		
	13.00	24.8	1.9	108.61		
	14.00	25.0	2.1	108.67		
	15.00	25.1	2.2	108.73		
	16.00	25.5	2.6	108.80		
	17.00	25.6	2.6	108.87		
	18.00	25.9	2.9	108.95		
	19.00	25.9	3.0	109.02		
	20.00	26.0	3.1	109.09		
	21.00	26.1	3.1	109.17		
	22.00	26.3	3.3	109.25		
	23.00	27.0	4.1	109.33		
	24.00	26.9	4.0	109.41		
	25.00	27.0	4.1	109.48		
	26.00	27.1	4.2	109.56		
	27.00	27.2	4.2	109.64		
	28.00	27.2	4.3	109.72		
	29.00	27.3	4.3	109.80		
	30.00	27.4	4.4	109.89		
***** End Flow 1	31.00	27.9	4.9	109.96		
***** Start Shutin 1	0.00	27.9	0.0	109.96	0.0000	0.001
	1.00	29.7	1.9	110.05	32.0000	0.001
	2.00	31.7	3.9	110.13	16.5000	0.001
	3.00	33.9	6.0	110.21	11.3333	0.001
	4.00	36.1	8.3	110.29	8.7500	0.001
	5.00	38.5	10.6	110.37	7.2000	0.001
	6.00	41.0	13.1	110.45	6.1667	0.002
	7.00	43.6	15.7	110.54	5.4286	0.002
	8.00	46.3	18.5	110.62	4.8750	0.002
	9.00	49.1	21.3	110.70	4.4444	0.002
	10.00	52.2	24.3	110.78	4.1000	0.003
	11.00	55.3	27.4	110.86	3.8182	0.003
	12.00	58.6	30.7	110.94	3.5833	0.003
	13.00	62.1	34.2	111.01	3.3846	0.004
	14.00	65.8	37.9	111.10	3.2143	0.004
	15.00	69.8	41.9	111.17	3.0667	0.005
	16.00	73.9	46.1	111.26	2.9375	0.005
	17.00	78.6	50.7	111.33	2.8235	0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9715 DST#5 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/16/97

TIME: 05:03:05

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	18.00	84.4	56.6	111.41	2.7222	0.007
	19.00	90.9	63.0	111.49	2.6316	0.008
	20.00	98.0	70.2	111.56	2.5500	0.01
	21.00	105.8	78.0	111.64	2.4762	0.011
	22.00	114.6	86.7	111.71	2.4091	0.013
	23.00	124.4	96.5	111.79	2.3478	0.015
	24.00	135.4	107.6	111.87	2.2917	0.018
	25.00	147.9	120.0	111.94	2.2400	0.022
	26.00	162.0	134.2	112.01	2.1923	0.026
	27.00	178.1	150.3	112.09	2.1481	0.032
	28.00	196.4	168.5	112.17	2.1071	0.039
	29.00	217.1	189.2	112.24	2.0690	0.047
	30.00	240.7	212.8	112.32	2.0333	0.058
	31.00	267.4	239.5	112.39	2.0000	0.071
	32.00	297.2	269.4	112.47	1.9688	0.088
	33.00	330.3	302.4	112.55	1.9394	0.109
	34.00	366.4	338.6	112.62	1.9118	0.134
	35.00	405.5	377.6	112.70	1.8857	0.164
	36.00	446.6	418.8	112.77	1.8611	0.199
	37.00	489.2	461.4	112.85	1.8378	0.239
	38.00	532.5	504.6	112.93	1.8158	0.284
	39.00	575.3	547.5	113.01	1.7949	0.331
	40.00	617.5	589.6	113.08	1.7750	0.381
	41.00	657.7	629.8	113.16	1.7561	0.433
	42.00	696.9	669.0	113.23	1.7381	0.486
	43.00	733.9	706.0	113.30	1.7209	0.539
	44.00	768.9	741.0	113.38	1.7045	0.591
	45.00	802.3	774.5	113.45	1.6889	0.644
	46.00	833.7	805.8	113.52	1.6739	0.695
	47.00	863.3	835.4	113.59	1.6596	0.745
	48.00	891.1	863.2	113.67	1.6458	0.794
	49.00	917.3	889.4	113.74	1.6327	0.841
	50.00	941.8	913.9	113.80	1.6200	0.887
	51.00	964.8	937.0	113.87	1.6078	0.931
	52.00	986.4	958.6	113.94	1.5962	0.973
	53.00	1006.3	978.4	114.00	1.5849	1.013
	54.00	1025.7	997.8	114.07	1.5741	1.052
	55.00	1043.9	1016.1	114.14	1.5636	1.090
	56.00	1060.4	1032.5	114.20	1.5536	1.124
	57.00	1076.9	1049.1	114.27	1.5439	1.160
	58.00	1092.6	1064.7	114.33	1.5345	1.194
***** End Shut-in 1	59.00	1107.4	1079.5	114.40	1.5254	1.226
***** Start Flow 2	0.00	33.6	0.0	114.45		
	1.00	33.6	-0.0	114.47		
	2.00	33.7	0.0	114.48		
	3.00	33.5	-0.2	114.50		
	4.00	33.4	-0.2	114.53		
	5.00	2351.0	2317.4	114.60		
	6.00	37.9	4.3	114.73		
	7.00	38.0	4.4	114.83		
	8.00	38.1	4.5	114.90		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9715 DST#5 YOHN #1-17 CROSS BAR PETL.INC.

DATE: 05/16/97

TIME: 05:03:05

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	9.00	38.2	4.5	114.95		
	10.00	38.3	4.7	115.01		
	11.00	38.4	4.8	115.07		
***** End Flow 2	12.00	38.5	4.9	115.12		
***** Start Shutin 2	0.00	38.5	0.0	115.12	0.0000	0.001
***** End Shut-in 2	1.00	2289.7	2251.2	115.19	44.0000	5.243
***** Final Hydro.	241.00	2289.7	0.0	115.19		

TEST HISTORY

9715 DST#5 YOHN #1-17 CROSS BAR PETL. INC.

Flag Points

t (Min.) P (PSig)

A:	0.00	2345.05
B:	0.00	22.94
C:	31.00	27.86
D:	59.00	1107.39
E:	0.00	33.63
F:	12.00	38.52
Q:	0.00	2289.68

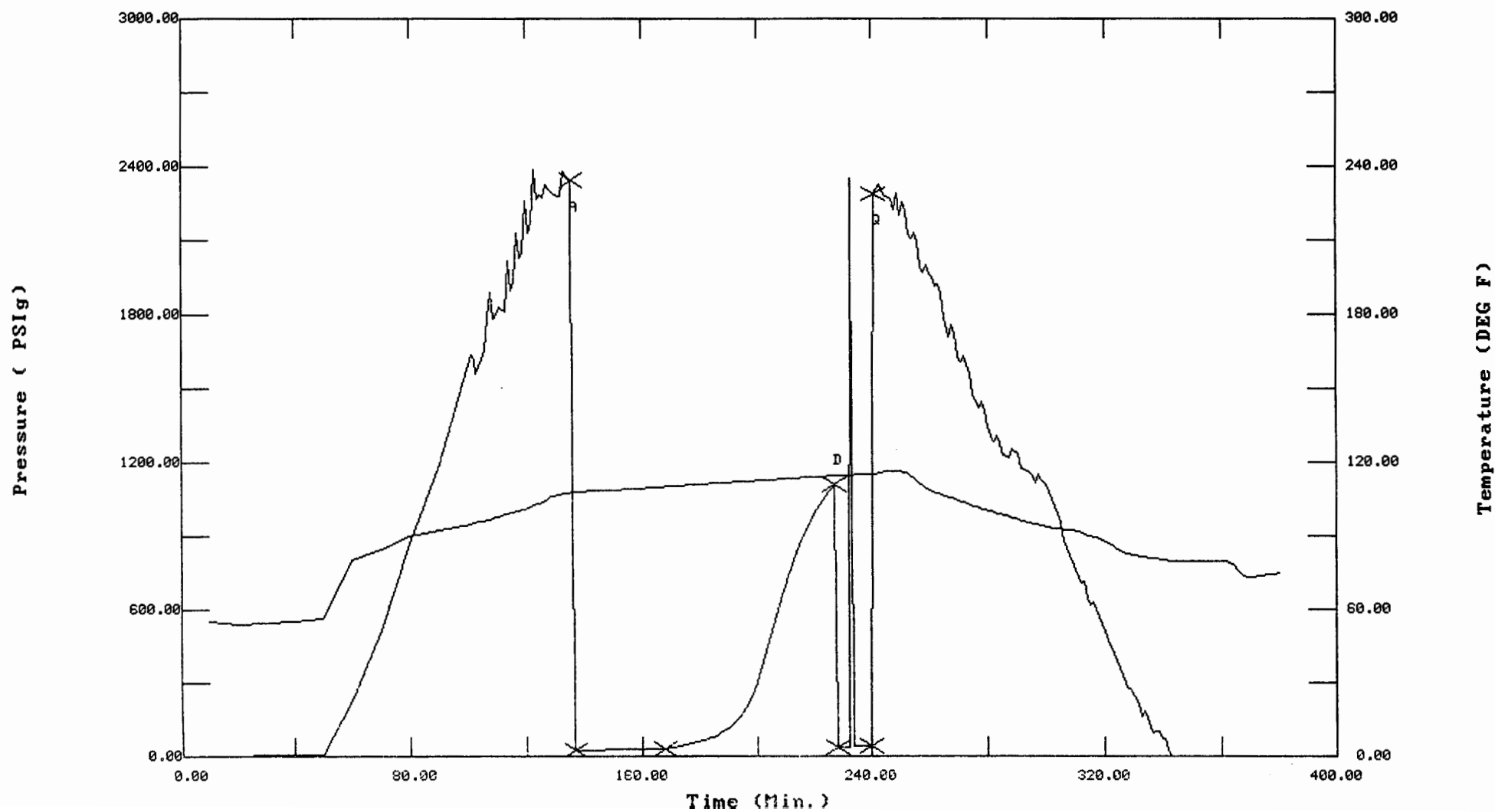
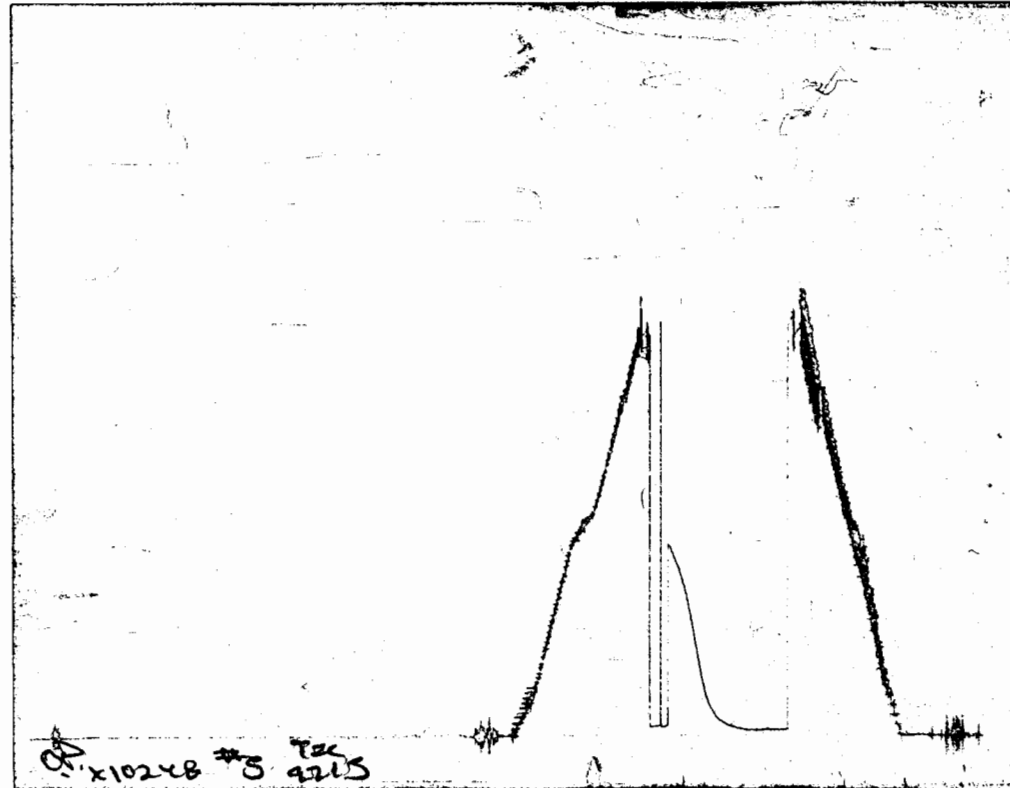


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9715

Well Name & No.	<u>YOUNG # 1-17</u>	Test No.	<u>5</u>	Date	<u>5-16-97</u>
Company	<u>CROSS BAR PET. INC.</u>	Zone Tested	<u>KINDERHOOK</u>		
Address	<u>WICHITA KS. 67202</u>	Elevation	<u>2189</u> KB <u>2180</u> GL		
Co. Rep / Geo.	<u>STEVE DAVIS</u>	Cont.	<u>SEERING DRUG #4</u>	Est. Ft. of Pay	<u>6</u> Por. <u>9</u> %
Location: Sec.	<u>17</u>	Twp.	<u>28 S</u>	Rge.	<u>17 W</u> Co. <u>KIOWA</u> State <u>KS.</u>
No. of Copies	<u>6</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested 4800 - 4824' Initial Str Wt./Lbs. 86,000 Unseated Str Wt./Lbs. 86,000
Anchor Length 24' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 110,000
Top Packer Depth 4795' Tool Weight 2100#
Bottom Packer Depth 4800' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 4824' Wt. Pipe Run None Drill Collar Run 545
Mud Wt. 9.1 LCM — Vis. 49 WL 9.6 cc Drill Pipe Size 4 1/2" K.H. Ft. Run 4244'
Blow Description IF: Weak blow. (1/4 - 1/2")

FF: No blow. Flushed tool 6 mins. in to 2nd open. No blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	
<u>20</u>	<u>NO</u>	<u>20</u>	<u>—</u>	
Rec. <u>20</u> Feet Of <u>Dry Mud.</u>	%gas	%oil	%water	%mud
Rec. <u>—</u> Feet Of <u>—</u>	%gas	%oil	%water	%mud
Rec. <u>—</u> Feet Of <u>—</u>	%gas	%oil	%water	%mud
Rec. <u>—</u> Feet Of <u>—</u>	%gas	%oil	%water	%mud
Rec. <u>—</u> Feet Of <u>—</u>	%gas	%oil	%water	%mud

BHT 115 °F Gravity N/A °API D@ — °F Corrected Gravity N/A °API
RW N.C. @ — °F Chlorides 11,000 ppm Recovery Chlorides 11,000 ppm System

(A) Initial Hydrostatic Mud	2371	2363	PSI	Recorder No.	10248	T-Started	0503
(B) First Initial Flow Pressure	30	23	PSI	(depth)	4821'	T-Open	0722
(C) First Final Flow Pressure	37	28	PSI	(depth)	3030	T-Pulled	0908
(D) Initial Shut-in Pressure	1111	1107	PSI	(depth)	4806'	T-Out	1120
(E) Second Initial Flow Pressure	55	34	PSI	Recorder No.	—		
(F) Second Final Flow Pressure	64	34	PSI	(depth)	—		
(G) Final Shut-in Pressure	None	None	PSI	Initial Opening	30	Test	✓ 400 ⁰⁰
(H) Final Hydrostatic Mud	2316	2327	PSI	Initial Shut-in	60	Jars	✓ 200 ⁰⁰
	AK-1	ALPINE		Final Flow	15	Safety Joint	✓ 50 ⁰⁰
				Final Shut-in	None	Straddle	—
					—	Circ. Sub	—
					—	Sampler	—
					—	Extra Packer	—
					—	Elect. Rec.	✓ 150 ⁰⁰
					—	Other	—
					—	TOTAL PRICE \$	✓ 1,100 ⁰⁰

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

Our Representative

[Signature]
[Signature]

Extra Packer

Elect. Rec.

Other

TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9715

Well Name & No. YOUNG # 1-17 Test No. 5 Date 5-16-97
 Company CROSS BAR PETROLEUM INC. Zone Tested KINDERHOOK
 Address WICHITA KS. 67202 Elevation 2189 KB 2180 GL
 Co. Rep / Geo. STEVE DAVIS Cont. SPRING-DIRIG. #4 Est. Ft. of Pay 6 Por. 9 %
 Location: Sec. 17 Twp. 28 S Rge. 17 W Co. KIOWA State KS.
 No. of Copies 6 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4800 - 4824' Initial Str Wt./Lbs. 84,000 Unseated Str Wt./Lbs. 89,000
 Anchor Length 24' Wt. Set Lbs. 21,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth 4795' Tool Weight 2100#
 Bottom Packer Depth 4800' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4824' Wt. Pipe Run NONE Drill Collar Run 545
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Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>20</u>	<u>NONE</u>	<u>20</u>	<u>N</u>

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>20</u>	<u>Drily Mud.</u>				

BHT 115 °F Gravity N/A °API D@ N °F Corrected Gravity N/A °API
 RW N.C. @ N °F Chlorides 11,000 ppm Recovery Chlorides 11,000 ppm System

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				Final Shut-in	NONE	Straddle	
						Circ. Sub	
						Sampler	

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Approved By [Signature]

Our Representative [Signature]

Extra Packer N
 Elect. Rec. ✓ 150°
 Other N
 TOTAL PRICE \$ ✓ 1100.00

TEST HISTORY

9715 DST#5 YOHN #1-17 CROSS BAR PETL. INC.

Flag Points

t(Min.) P(PSig)

A:	0.00	2345.05
B:	0.00	22.94
C:	31.00	27.86
D:	59.00	1107.39
E:	0.00	33.63
F:	12.00	38.52
Q:	0.00	2289.68

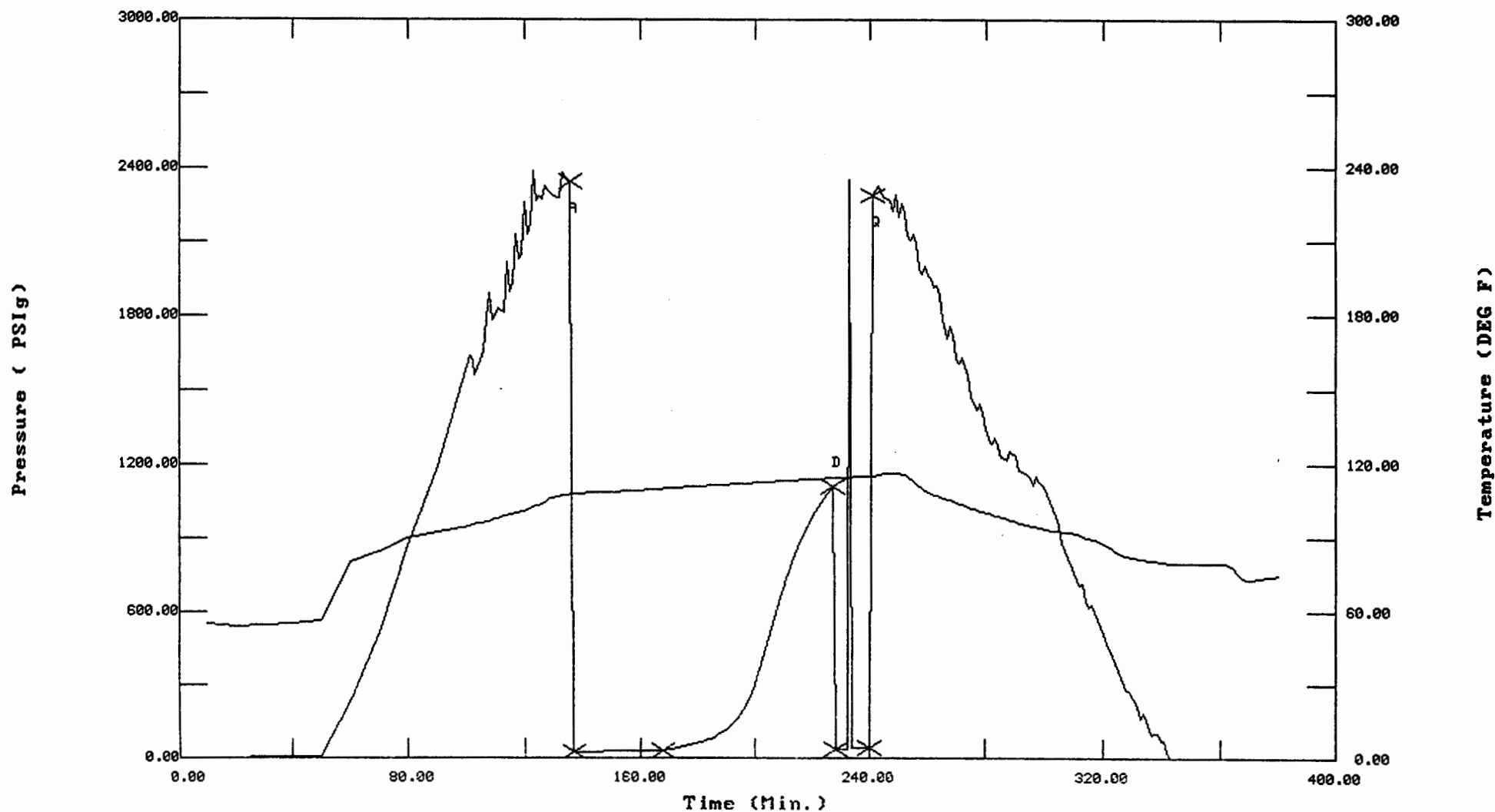
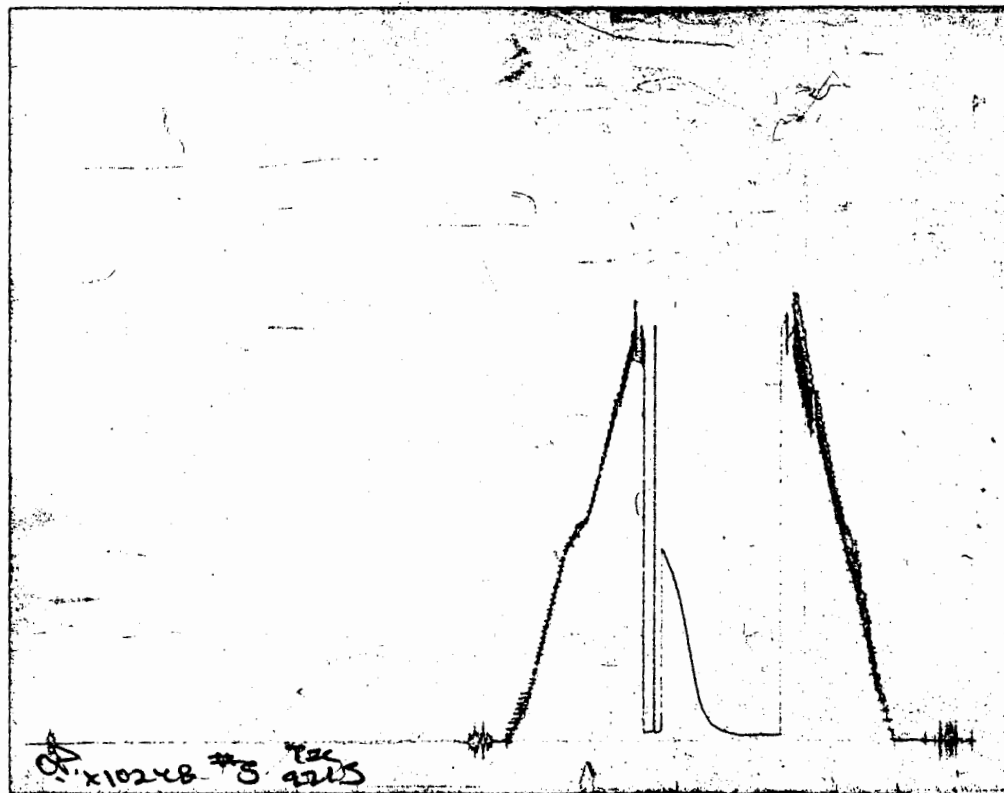


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