

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

API NO. 15-033-20992-0000
County Comanche
80°W, N2 - N2 - N2 Sec. 22 Twp. 31 Rng. 18

MAY 05 1999

5-5-99

CONSERVATION DIVISION E

WICHITA, KS X W

CONFIDENTIAL

Operator: License # 5506

Name: Woolsey Petroleum Corporation

Address 125 North Market, Suite 1000

City/State/Zip Wichita, Kansas 67202

Purchaser: EOTT

Operator Contact Person: Debra K. Clingan

Phone (316) 267-4379 Ext. 106

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Stephen J. Miller

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: n/a

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

01/04/99 01/20/99 04/30/99
Spud Date Date Reached TD Completion Date

330' FNL Feet from S/W (circle one) Line of Section

2690' FEL Feet from E/W (circle one) Line of Section

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

Lease Name BOISSEAU Well # 1 KCC

Field Name Wilmore MAY 04 1999

Producing Formation Mississippian

Elevation: Ground 2160' KB 2173'

Total Depth 5850' RTD 5851' LTD PBDT 5428'

Amount of Surface Pipe Set and Cemented at 340' Feet

Multiple Stage Cementing Collar Used? Yes XX No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cnt.

Drilling Fluid Management Plan ATT. 1, 6-18-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 300 bbls

Dewatering method used Haul free fluids, allow to dry

Location of fluid disposal if hauled offsite:

Operator Name KBW Oil & Gas

Lease Name Harman SWD License No. 5993

Quarter Sec. 11 Twp. 33 S Rng. 20 E/W

County Comanche Docket No. CD-98329

FROM CONFIDENTIAL

RELEASE

MAY 29 2001

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 Mark P. Stevenson

Title Mark P. Stevenson, Vice Pres. Date 05/04/99

Subscribed and sworn to before me this 4th day of May 19 99.

Notary Public Debra K. Clingan

Notary Commission Expires March 4, 2002

DEBRA K. CLINGAN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-7-02

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)

ORIGINAL

SIDE TWO

Operator Name Woolsey Petroleum Corporation Lease Name Boisseau Well # 1
County Comanche
Sec. 22 Twp. 31 Rge. 18
East
West

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 (Attach Additional Sheets.)
[X] Yes [] No

Samples Sent to Geological Survey
[X] Yes [] No

Cores Taken
[] Yes [X] No

Electric Log Run (Submit Copy.)
[X] Yes [] No

List All E.Logs Run:
Compensated Neutron Density
Dual Induction
Sonic
Cement Bond

[X] Log Formation (Top), Depth and Datums [] Sample

Table with 3 columns: Name, Top, Datum. Rows include Herington (2543, -370), Cottonwood LS (3113, -940), Topeka LS (3832, -1659), Heebner SH (4284, -2111), Douglas SS (4348, -2175), Lansing A (4470, -2297), Swope (4806, -2633), Cherokee (5045, -2872), Mississippian (5112, -2939), Viola (5588, -3415), Simpson (5772, -3599).

CASING RECORD
[X] New [] Used

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

Table with 8 columns: 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. Rows for Surface and Production strings.

1/2# Floeal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Rows for Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with 3 columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth. Rows for 6 SPF and RBP @ 5140'.

TUBING RECORD
Size 2-3/8" Set At 5096' Packer At Liner Run [] Yes [] No

Date of First, Resumed Production, SMD or Inj. 03/09/99
Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Table with 7 columns: Estimated Production Per 24 Hours, Oil still testing Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

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

ALLIED CEMENTING CO., INC. 9871

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
1-20-99	22	31s	18w	2:00 pm	5:30 pm	10:40 AM	11:30 pm
LEASE#	WELL#	LOCATION	COUNTY	STATE			

CONTRACTOR Woodkey Petroleum Corp. OWNER Woodkey Petroleum Corp.

TYPE OF JOB Production

HOLE SIZE 11 1/2" T.D. 5508'

CASING SIZE 4 1/2" x 13.5" DEPTH SSC 8'

TUBING SIZE 2 3/8" DEPTH SSC 8'

DRILL PIPE DEPTH SSC 8'

TOOL DEPTH SSC 8'

PRES. MAX 1150 MINIMUM 100

MEAS. LINE SSC 8' SHOE JOINT SSC 8'

CEMENT LEFT IN CSG. 10' 6"

PERFS. SSC 8'

DISPLACEMENT SSC 8'

EQUIPMENT

PUMP TRUCK CEMENTER Centralizer

285-265 HELPER Steve Winick

BULK TRUCK

287-314 DRIVER John Kelley

BULK TRUCK

DRIVER

TOTAL

REMARKS: 11 1/2" hole to 5508' depth. 4 1/2" casing to 5508' depth. 2 3/8" tubing to 5508' depth. 2 3/8" drill pipe to 5508' depth. 2 3/8" tool joint to 5508' depth. 1150 psi pressure. 100 psi minimum. 10' 6" cement in casing. 10' 6" perforations. 10' 6" displacement.

SERVICE

DEPTH OF JOB 5508'

PUMP TRUCK CHARGE

EXTRA FOOTAGE SSC 8'

MILEAGE SSC 8'

PLUG SSC 8'

TOTAL

CHARGE TO: Woodkey Petroleum Corp.

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Kenneth McGeorge PRINTED NAME

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.

MAY 05 '99 15:44 WPC-APC LODGE

ALLIED CEMENTING CO., INC. ORIGINAL 9553

Federal Tax I.D.# 48-0727860

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

SERVICE POINT
Medicine Lodge

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
1-20-99	22	31s	18w	2:00 pm	5:30 pm	10:40 AM	11:30 pm
LEASE#	WELL#	LOCATION	COUNTY	STATE			

CONTRACTOR Duke Big 417 OWNER Woodkey Petroleum Corp.

TYPE OF JOB Production

HOLE SIZE 11 1/2" T.D. 5508'

CASING SIZE 4 1/2" x 13.5" DEPTH SSC 8'

TUBING SIZE 2 3/8" DEPTH SSC 8'

DRILL PIPE DEPTH SSC 8'

TOOL DEPTH SSC 8'

PRES. MAX 1150 MINIMUM 100

MEAS. LINE SSC 8' SHOE JOINT SSC 8'

CEMENT LEFT IN CSG. SSC 8'

PERFS. SSC 8'

DISPLACEMENT SSC 8'

EQUIPMENT

PUMP TRUCK CEMENTER Centralizer

285-265 HELPER Steve Winick

BULK TRUCK

287-314 DRIVER John Kelley

BULK TRUCK

DRIVER

TOTAL

REMARKS: 11 1/2" hole to 5508' depth. 4 1/2" casing to 5508' depth. 2 3/8" tubing to 5508' depth. 2 3/8" drill pipe to 5508' depth. 2 3/8" tool joint to 5508' depth. 1150 psi pressure. 100 psi minimum. 10' 6" cement in casing. 10' 6" perforations. 10' 6" displacement.

SERVICE

DEPTH OF JOB 5508'

PUMP TRUCK CHARGE

EXTRA FOOTAGE SSC 8'

MILEAGE SSC 8'

PLUG SSC 8'

TOTAL

CHARGE TO: Woodkey Petroleum Corp.

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Allen F. Dick PRINTED NAME

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.

CONFIDENTIAL

FROM CONFIDENTIAL

MAY 29 2001

RELEASED

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 1999

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 9871

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
Medicine Lodge

DATE <u>1-4-99</u>	SEC. <u>22</u>	TWP. <u>31s</u>	RANGE <u>18w</u>	CALLED OUT <u>4:30 pm</u>	ON LOCATION <u>6:30 pm</u>	JOB START <u>11:05 am</u>	JOB FINISH <u>11:30 pm</u>
LEASE <u>Poisseau</u>	WELL# <u>1</u>	LOCATION <u>Caldwells 4w to</u>			COUNTY <u>Crawford</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one)		<u>11/14/98 Rd. 31s, 7s</u>					

CONTRACTOR Duke 217 OWNER Wolsey Petroleum

TYPE OF JOB Surface

HOLE SIZE 14 3/4 T.D. 345 CEMENT AMOUNT ORDERED 115.5x 5:35:61 3 3/4cc + 1/2 kit seal

CASING SIZE 10 3/4 DEPTH 342 + 110.5x CLASS A + 3 3/4cc + 2% gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 20 MINIMUM - COMMON @

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. 15' feet GEL @

PERFS. CHLORIDE @

DISPLACEMENT 32 1/2 bbls Freshwater @

EQUIPMENT @

PUMP TRUCK CEMENTER CART Bolding HELPER Justin Hart RECEIVED @

343 BULK TRUCK DRIVER James Holt MILEAGE @

252-250 BULK TRUCK DRIVER James Holt MILEAGE @

DRIVER James Holt MILEAGE @

DRIVER MILEAGE @

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 29 2001
RELEASED JUN 18 1999
TOTAL

REMARKS:

Pipe on bottom, break circ. work
pump 3 bbls Freshwater. Mix + pump
115.5x lite pump 100.5x A.312
Cement in, Start Displacement
Displace with 32 1/2 bbls Freshwater.
Displacement in. Stop pumps
1 shut in.
Circulate 35.5x

FROM CONFIDENTIAL!

DEPTH OF JOB 342

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG @

TOTAL

CHARGE TO: Wolsey Petroleum

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Kenneth McGuire

KENNETH MCGUIRE
PRINTED NAME

Well Name: Boisseau #1
Company: Woolsey Petroleum Corp.
Location: 22-31s-18w
Comanche County Kansas
Date: 1-22-99

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 1999

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

KCC

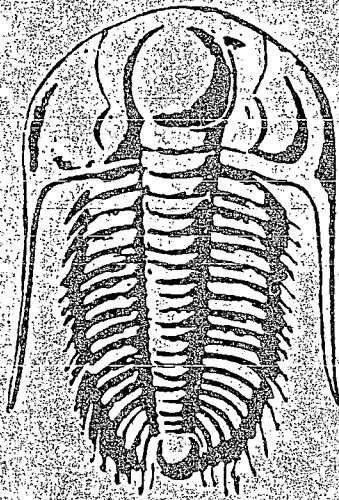
RELEASED

MAY 05 1999

MAY 29 2001

CONFIDENTIAL

FROM CONFIDENTIAL



TRILOBITE TESTING, L.L.C.

TEST REPORT

(Includes All DST's)

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1

LOCATION : Sec.22 Twp.31s Rg.18w Ks

WELL No. 11579 D.S.T. No. 1 DATE 01-10-99

VAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26

VAL TOOL 53

WELL COLLAR ANCHOR IN INTERVAL

1. ANCHOR STND.Stands	Single	Total
2. ANCHOR STND.Stands	Single 1	Total 32

VAL ASSEMBLY 85

1. ABOVE TOOLS.Stands5	Single	Total 295
2. ABOVE TOOLS.Stands65	Single	Total 4007

VAL DRILL COLLARS DRILL PIPE & TOOLS .. 4387

VAL DEPTH 4372

VAL DRILL PIPE ABOVE K.B. 15

MARKS:
Comments:

FLUID SAMPLER DATA (not run)

----- ML.

----- ML.

----- ML.

----- PSI

----- ohms @ deg. F.

----- ppm.

----- n/a deg.API

P.O. SUB	
C.O. SUB @ top of tool	4287
S.I. TOOL Sterling	4293
Sampler (no)	
HMV Sterling	4298
JARS Bowen	4303
SAFETY JOINT Bowen	4305
PACKER Top	4309
PACKER Btm.	4314
DEPTH 4314	
STUBB 1 ft.	4315
ANCHOR	
3' perfs + sub to	4319
Alpine rec. @	4323
1 jt. pipe to	4351
T.C.	
DEPTH	
15' perfs + sub to	4367
AK-1 rec. @	4369
BULLNOSE 5 ft. perforated	4372
T.D.	

TEST HISTORY

11579 DST#1 BOISSEAU #1 WOOLSEY PETL.CORP.

Flag Points

t<Min.> P< PSig>

A:	0.00	2120.26
B:	0.00	50.68
C:	28.75	102.64
D:	45.75	1365.83
E:	0.00	82.58
F:	58.50	159.20
G:	119.75	1485.51
Q:	0.00	2052.36

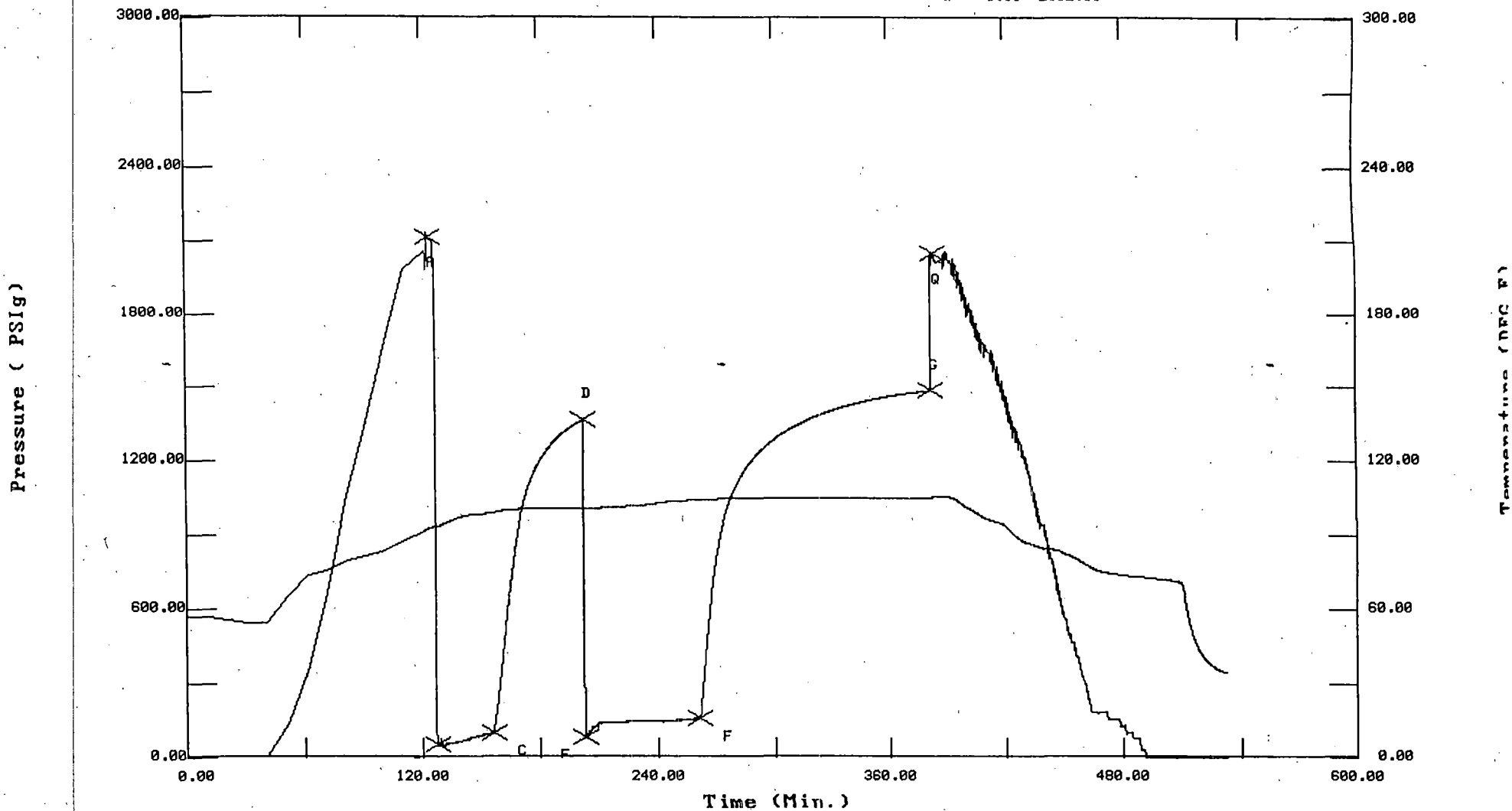
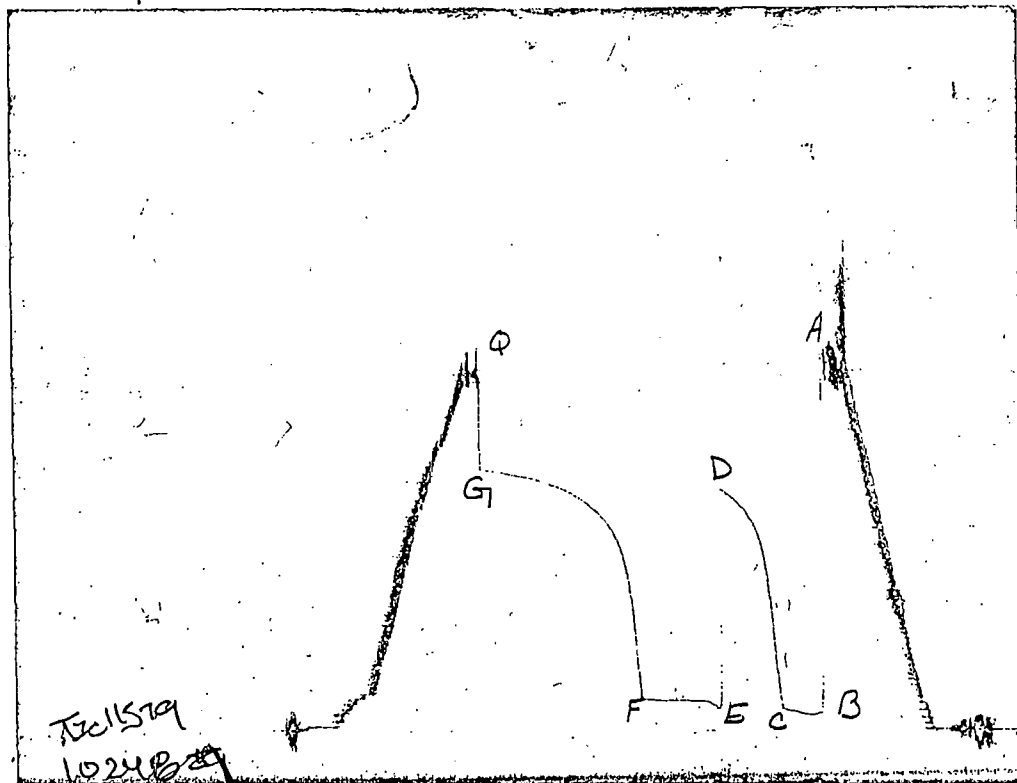


CHART PAGE



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 11579

Well Name & No. <u>BOSSMAN #1</u>		Test No. <u>1</u>	Date <u>1-10-99</u>
Company <u>WOOLSEY PET. CORP.</u>		Zone Tested <u>Douglas SD</u>	
Address <u>125 N. MARKET ST., PO BOX 67202, WICHITA, KS 67202</u>		Elevation <u>2173</u> KB <u>2166</u> GL	
Co. Rep / Geo. <u>Steve Mauer</u> Cont. <u>Dick Dreyer #7</u>		Est. Ft. of Pay <u>8</u> Por. <u>10</u> %	
Location: Sec. <u>22</u>	Twp. <u>31 S</u>	Rge. <u>18 W</u>	Co. <u>CANAWATZ</u> State <u>KS</u>
No. of Copies <u>6</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>4314 - 4372'</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>58'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>97,000</u>
Top Packer Depth <u>4309'</u>	Tool Weight <u>2100#</u>	
Bottom Packer Depth <u>4314'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>4372'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>295'</u>
Mud Wt. <u>9.1</u> LCM <input checked="" type="checkbox"/> Vis. <u>43</u> WL <u>10.4cc.</u>	Drill Pipe Size <u>4 1/2" x 11'</u>	Ft. Run <u>4007'</u>
Blow Description <u>IF: Strong below. Btm. of cement in 10-15 sec.</u> <u>ISI: Weak below. (1-3")</u> <u>FF: Strong below. Btm. of cement in 40 sec. GTS 49 min.</u> <u>into FFP. TSTM / FSI: Weak to fair blow. (3-5")</u>		
Recovery — Total Feet <u>300</u> Fluid GIP <u>yes</u>	Ft. in DC <u>295</u>	Ft. in DP <u>45</u>
Rec. <u>120</u> Feet Of <u>GCM</u>	<u>20</u> %gas	<u>10</u> %water <u>70</u> %mud
Rec. <u>240</u> Feet Of <u>GCMW</u>	<u>8</u> %gas	<u>42</u> %water <u>30</u> %mud
Rec. _____ Feet Of _____	%gas	%oil %water %mud
Rec. _____ Feet Of _____	%gas	%oil %water %mud
Rec. _____ Feet Of _____	%gas	%oil %water %mud
BHT <u>105</u> °F Gravity <u>N/A</u>	°API <u>2</u>	°F Corrected Gravity <u>N/A</u> °API
RW <u>0.27</u> @ <u>40</u> °F	Chlorides <u>63,000</u> ppm	Recovery Chlorides <u>8,000</u> ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2205</u>	<u>2220</u>		<u>2342</u>	<u>1415</u>
(B) First Initial Flow Pressure	<u>85</u>	<u>69</u>		(depth) <u>4323'</u>	T-Started <u>1432</u>
(C) First Final Flow Pressure	<u>130</u>	<u>113</u>		Recorder No. <u>10248</u>	T-Open <u>1840</u>
(D) Initial Shut-In Pressure	<u>1404</u>	<u>1366</u>		(depth) <u>4369'</u>	T-Pulled <u>2256</u>
(E) Second Initial Flow Pressure	<u>119</u>	<u>98</u>		Recorder No. _____	T-Out <u>0115</u>
(F) Second Final Flow Pressure	<u>198</u>	<u>159</u>		(depth) _____	T-Off Location <u>0205</u>
(G) Final Shut-in Pressure	<u>1502</u>	<u>1456</u>		Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>700</u>
(Q) Final Hydrostatic Mud	<u>2096</u>	<u>2052</u>		Initial Shut-in <u>45</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
				Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
				Final Shut-in <u>120</u>	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 _____
Elec. Rec. 150
Mileage _____
Other TIME
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl.Corp.

DATE 01-13-99

WELL NAME: Boisseau #1 KB 2173.00 ft TICKET NO: 11580 DST #2
 LOCATION : 22-31s-18w Comanche co KS GR 2160.00 ft FORMATION: Pawnee
 INTERVAL : 5010.00 To 5054.00 ft TD 5054.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10248	10248	2342			PF Fr. 0515 to 0600 hr
SI 90 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0600 to 0730 hr
SF 90 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0730 to 0900 hr
FS 180 Depth(ft)	5051.0	5051.0	5015.0	0.0	0.0	FS Fr. 0900 to 1200 hr

	Field	1	2	3	4	
A. Init Hydro	2481.0	2490.0	2462.0	0.0	0.0	T STARTED 0226 hr
B. First Flow	57.0	70.0	50.0	0.0	0.0	T ON BOTM 0510 hr
B1. Final Flow	98.0	117.0	102.0	0.0	0.0	T OPEN 0515 hr
C. In Shut-in	1756.0	1771.0	1759.0	0.0	0.0	T PULLED 1202 hr
D. Init Flow	60.0	77.0	62.0	0.0	0.0	T OUT 1410 hr
E. Final Flow	98.0	114.0	94.0	0.0	0.0	
F. Fl Shut-in	1708.0	1710.0	1708.0	0.0	0.0	
G. Final Hydro	2426.0	2477.0	2419.0	0.0	0.0	
Inside/Outside	O	O	I	T		

TOOL DATA-----
 Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 99000.00 lbs
 Initial Str Wt 84000.00 lbs
 Unseated Str Wt 84000.00 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 295.00 ft
 D.P. Length 4700.00 ft

RECOVERY

Tot Fluid 240.00 ft of 240.00 ft in DC and 0.00 ft in DP
 0.00 ft of Gas in all fluid free pipe.
 120.00 ft of Gas cut waery mud 18% gas 12% water 70% mud
 60.00 ft of Gas cut mud 20% gas 80% mud
 60.00 ft of Water mud 17% water 83% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw 0.58 ohms @ 55 degrees F.
 0.00 ft of EST.FT. of PAY----- 8
 SALINITY 15000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 46.00 S/L
 W.L. 12.40 in3
 F.C. 0.20 in
 Mud Drop N

BLOW DESCRIPTION

Initial Flow:
 Strong blow gas to surface in 15 mins
 (see gas volume report)
 Initial Shut-in:
 Weak blow back. (1/4")
 Final Flow:
 Strong blow (see gas volume report)
 Final Shut-in:
 Weak blow

Amt. of fill 0.00 ft
 Btm. H. Temp. 108.00 F
 Hole Condition Good
 % Porosity 12.00
 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 Miller
 Contr. Duke Drlg.
 Rig # 7
 Unit #
 Pump T. LCM 4#/bl

SAMPLES: Gas sample
 SENT TO: Caraway/Liberal

Test Successful: Y

GAS RECOVERY

COMPANY: Woolsey Petl. Corp.

DATE: 01-13-99

WELL NAME: Boisseau #1

KB Elev: 2173.00 ft TICKET #11580 DST #2

WELL LOCATION: Sec.22 Twp.31s Rg.18w Ks

GR Elev: 2160.00 ft FORMATION: Pawnee

INTERVAL Fr.: 5010.00 To 5054.00 T.D.: 5054.00 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)
20	0.25	10	0	30800.0
25	0.25	16	0	40900.0
35	0.25	27	0	57700.0
45	0.25	34	0	67500.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	16	0	40900.0
10	0.25	24	0	53200.0
20	0.25	38	0	73000.0
30	0.25	60	0	103500.0
40	0.38	52	0	195000.0
50	0.38	35	0	147000.0
60	0.38	26	0	119000.0
70	0.38	24	0	113000.0
80	0.38	23	0	109000.0
90	0.38	23	0	109000.0

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:	990258	Analyzed:	01/20/99
Sample From:	Boisseau #1 DST 2	Pressure:	
Producer:	Woolsey Petroleum	Temperature:	
Date:		Location:	22-31-18
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Pawnee

	Mole %	GPM
Helium	He: 0.129	0.000
Hydrogen	H2: 0.064	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.026	0.000
Carbon Dioxide	CO2: 0.013	0.000
Methane	C1: 88.629	0.000
Ethane	C2: 3.666	0.980
Propane	C3: 2.311	0.637
Iso Butane	iC4: 0.243	0.079
Normal Butane	nC4: 0.746	0.235
Iso Pentane	iC5: 0.198	0.072
Normal Pentane	nC5: 0.263	0.095
Hexanes Plus	C6+: 0.712	0.311
TOTAL:	100.000	2.410
Z Fact:	0.9975	
SP. GR.:	0.6500	
BTU (SAT):	1091.6 @ 14.73 psia	
BTU (DRY):	1111.0 @ 14.73 psia	
OCTANE RATING:	122.6	

COMMENTS:

0.000

*** TOOL DIAGRAM *** CONVENTIONAL

LL-NAME:--Boisseau #1
 CATION : Sec.22 Twp.31s Rg.18w Ks
 CKET No. 11580 D.S.T. No. 2 DATE 01-13-99
 TAL TOOL TO BOTTOM OF TOP PACKERS 27
 PERVAL TOOL
 BTOM PACKERS AND ANCHOR 44
 PAL TOOL 71
 ALL COLLAR ANCHOR IN INTERVAL
 1. ANCHOR STND.Stands Single Total
 2. ANCHOR STND.Stands Single Total
 VAL ASSEMBLY 71
 1. ABOVE TOOLS.Stands5 Single Total 295
 2. ABOVE TOOLS.Stands75 Single Total 4700
 AL DRILL COLLARS DRILL PIPE & TOOLS .. 5066
 AL DEPTH 5054
 AL DRILL PIPE ABOVE K.B. 12
 ARKS:
 nents:

FLUID SAMPLER DATA (not run)

----- ML.
 ----- ML.
 ER----- ML.
 ER-----
 SURE----- PSI
 ----- ohms @ deg. F.
 RIDES----- ppm.
 ITY-----n/a deg.API

P.O. SUB		
C.O. SUB @ top of tool		4983
S.I. TOOL Sterling		4989
Sampler (no)		
HMV Sterling		4994
JARS Bowen		4999
SAFETY JOINT Bowen		5001
PACKER Top		5005
PACKER Btm.		5010
DEPTH 5010		
STUBB 1 ft.		5011
ANCHOR		
perfs		
Alpine rec. @		5015
T.C.		
DEPTH		
38' perfs to		5049
AK-1 rec. @		5051
BULLNOSE 5 ft. perforated		5054
T.D.		

TEST HISTORY

11580 DST#2 BOISSEAU #1 WOOLSEY PETL. CORP.

Flag Points

t(Min.) P(PSig)

A:	0.00	2482.18
B:	0.00	49.59
C:	42.50	102.30
D:	90.00	1758.08
E:	0.00	62.01
F:	90.50	93.74
G:	181.00	1708.26
Q:	0.00	2418.71

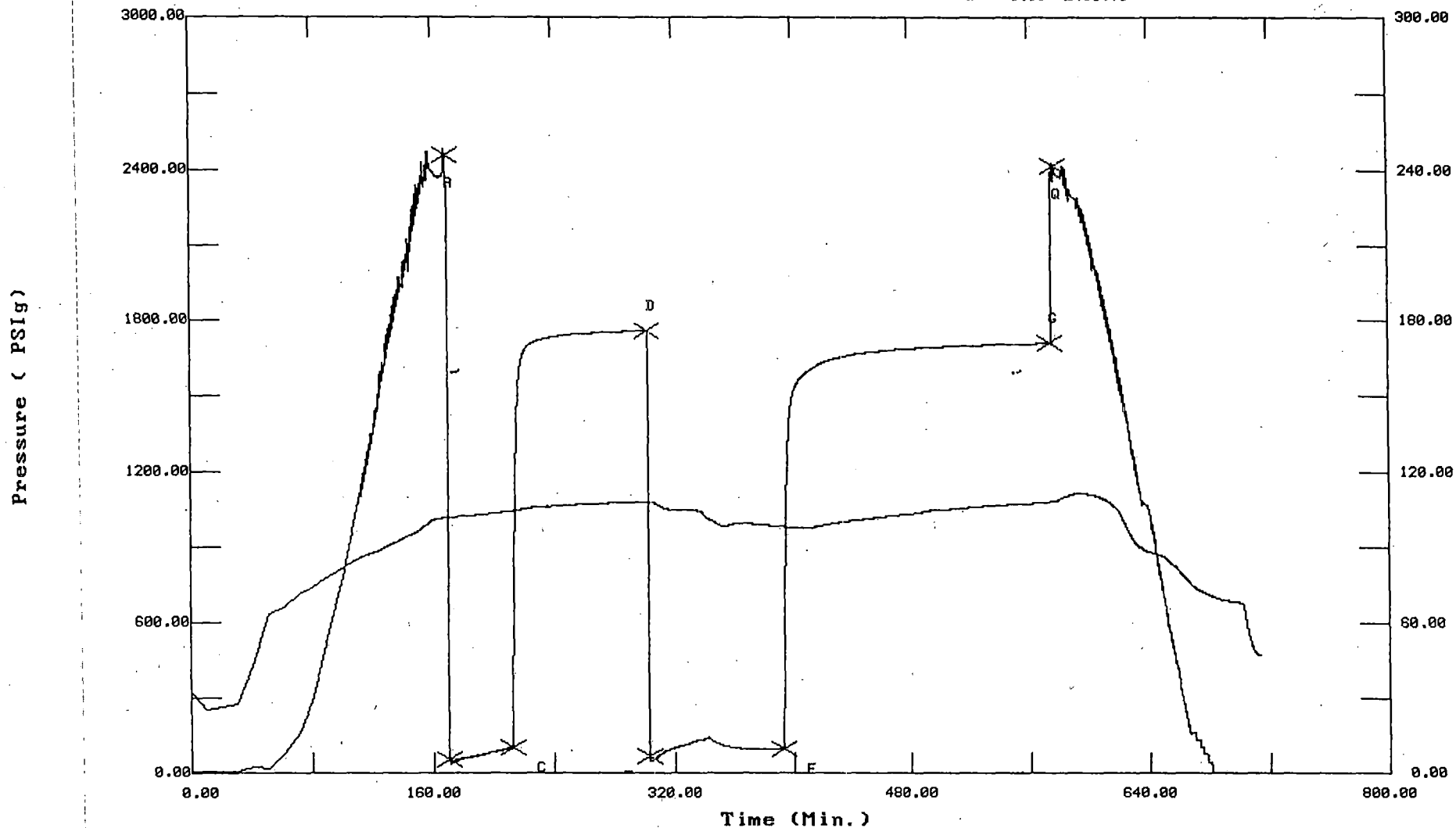
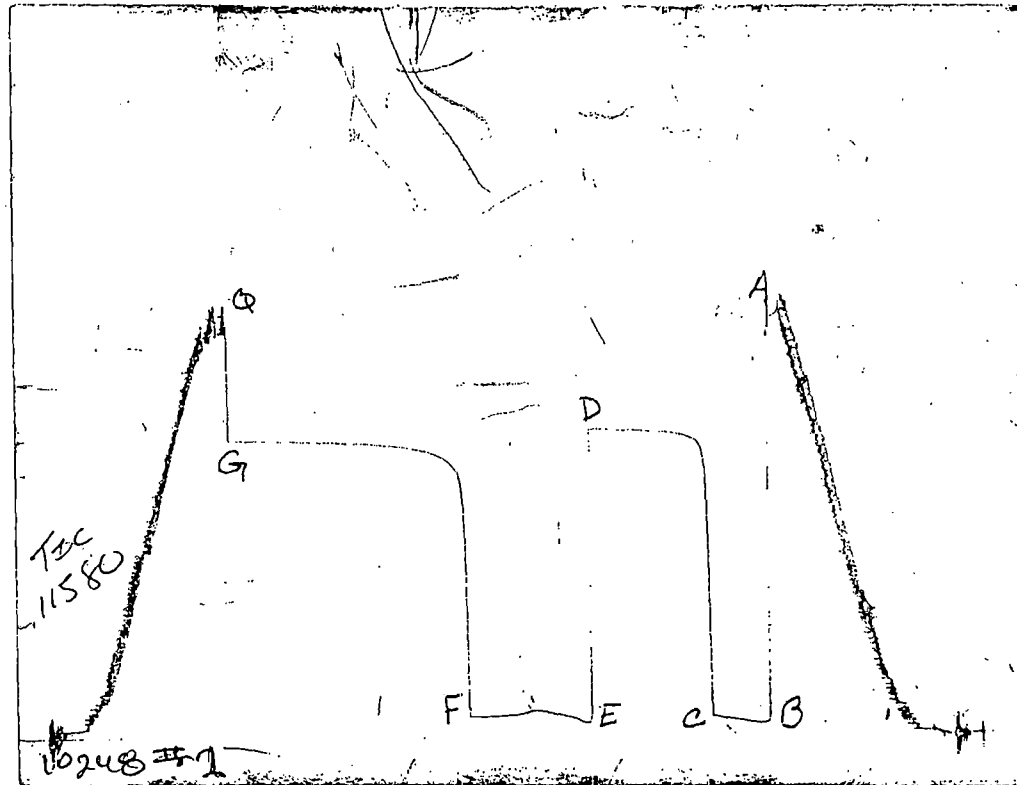
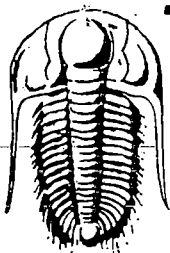


CHART PAGE



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



**TRILOBITE
TESTING L.L.C.**

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

Woolsey PETL. CORP.
OPERATOR

GAS VOLUME REPORT #1
BOISSEAU #1
WELL NAME AND NO.

2
DST NO

INITIAL OPEN

FINAL OPEN

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
15	~	3/8"	67.5	5	16 PSI	1/4"	40.9
20	10 PSI	1/4"	30.8	10	24 PSI	1/4"	53.2
25	16 PSI	1/4"	40.9	20	38 PSI	1/4"	73.0
35	27 PSI	1/4"	57.7	30	60 PSI	1/4"	103.6
45	34 PSI	1/4"	67.5	40	52 PSI	3/8"	196.0
				50	35 PSI	3/8"	147.0
				60	26 PSI	3/8"	119.
				70	24 PSI	3/8"	113.
				80	23 PSI	3/8"	109.
				90	23 PSI	3/8"	109.

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11580

Well Name & No. BOISSIAU #1 Test No. 2 Date 1-13-99
 Company WOODS & PETL CORP. Zone Tested PAWNEE
 Address 125N. MARKET ST. 1,000, WICHITA KS 67202 Elevation 2173 KB 2160GL
 Co. Rep / Geo. STEVE MILLER Cont. DIKE DRIG. #7 Est. Ft. of Pay 8 Por. 12 %
 Location: Sec. 22 Twp. 31 S Rge. 18 W Co. COMBUTTE State KS
 No. of Copies 6 Distribution Sheet (Y, N) N Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 5010 - 5054' Initial Str Wt./Lbs. 84000 Unseated Str Wt./Lbs. 84000
 Anchor Length 44' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 99,000
 Top Packer Depth 5005' Tool Weight 2100 #
 Bottom Packer Depth 5010' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5054' Wt. Pipe Run NONE Drill Collar Run 295'
 Mud Wt. 9.1 LCM 4 Vis. 46 WL 12.4 cc. Drill Pipe Size 4 1/2" XH. Ft. Run 4900'
 Blow Description FF: Strong blow. (see gas volume report) FSI: Weak blow leads (1/4")
FF: Strong blow. (see gas volume report) FSI: Weak blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>120</u> Feet Of <u>G.C.W.M.</u>	<u>yes</u>	<u>240</u>	<u>12</u>
Rec. <u>60</u> Feet Of <u>G.C.M.</u>		<u>18</u> %gas	<u>70</u> %mud
Rec. <u>60</u> Feet Of <u>W.M.</u>		<u>20</u> %gas	<u>80</u> %mud
Rec. _____ Feet Of _____		%gas	<u>17</u> %water <u>83</u> %mud
Rec. _____ Feet Of _____		%gas	%oil %water %mud
Rec. _____ Feet Of _____		%gas	%oil %water %mud
BHT <u>108</u> °F Gravity <u>N/A</u> °API D@ _____ °F Corrected Gravity <u>N/A</u> °API			
RW <u>.58</u> @ <u>.55</u> °F Chlorides <u>15,000</u> ppm Recovery Chlorides <u>8,100</u> ppm System			

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2481</u>	<u>2462</u>	<u>alp. 2342</u>	<u>0056</u>
(B) First Initial Flow Pressure	<u>57</u>	<u>50</u>	(depth) <u>5015'</u>	<u>0226</u>
(C) First Final Flow Pressure	<u>98</u>	<u>102</u>	PSI Recorder No. <u>10248</u>	<u>0519</u>
(D) Initial Shut-In Pressure	<u>1756</u>	<u>1789</u>	(depth) <u>5051'</u>	<u>1202</u>
(E) Second Initial Flow Pressure	<u>60</u>	<u>62</u>	PSI Recorder No. _____	<u>1410</u>
(F) Second Final Flow Pressure	<u>90</u>	<u>94</u>	(depth) _____	<u>1505</u>
(G) Final Shut-in Pressure	<u>1708</u>	<u>1708</u>	PSI Initial Opening <u>45</u>	Test <u>800</u>
(Q) Final Hydrostatic Mud	<u>2426</u>	<u>2419</u>	PSI Initial Shut-in <u>90</u>	Jars <u>200</u>
			Final Flow <u>90</u>	Safety Joint <u>50</u>
			Final Shut-in <u>180</u>	Straddle _____
				Circ. Sub _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. <u>150</u>
				Mileage _____
				Other TIME <u>✓</u>
				TOTAL PRICE \$ <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]

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl.Corp.

DATE 01-14-99

WELL NAME: Boisseau #1

KB 2173.00 ft

TICKET NO: 11581 DST #3

LOCATION : 22-31s-18w Comanche co KS

GR 2160.00 ft

FORMATION: Miss

INTERVAL : 5117.00 To 5134.00 ft

TD 5134.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0540 to 0610 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0610 to 0710 hr
SF 96 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0710 to 0846 hr
FS 300 Depth(ft)	5131.0	5131.0	5123.0	0.0	0.0	FS Fr. 0846 to 1346 hr

	Field	1	2	3	4	
A. Init Hydro	2486.0	2478.0	2536.0	0.0	0.0	T STARTED 0256 hr
B. First Flow	30.0	70.0	89.0	0.0	0.0	T ON BOTM 0534 hr
B1. Final Flow	57.0	94.0	93.0	0.0	0.0	T OPEN 0540 hr
C. In Shut-in	683.0	706.0	716.0	0.0	0.0	T PULLED 1348 hr
D. Init Flow	46.0	81.0	86.0	0.0	0.0	T OUT 1600 hr
E. Final Flow	55.0	70.0	70.0	0.0	0.0	
F. Fl Shut-in	703.0	711.0	727.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2428.0	2432.0	2507.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 99000.00 lbs
						Initial Str Wt 85000.00 lbs
						Unseated Str Wt 87000.00 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 295.00 ft
						D.P. Length 4825.00 ft

RECOVERY

Tot Fluid 215.00 ft of 215.00 ft in DC and 0.00 ft in DP
 0.00 ft of Gas in all fluid free pipe.
 150.00 ft of Drilling mud
 65.00 ft of Slight oil and gas cut mud
 0.00 ft of 1% gas 6% oil 93% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw n.c ohms @ degrees F.
 0.00 ft of EST.FT. of PAY----- 10
 SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	51.00 S/L
W.L.	10.80 in3
F.C.	0.20 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
 Strong blow gas to surface in 5 mins.
 (see gas volume report)
 Initial Shut-in:
 Weak blow back. (1/4")
 Final Flow:
 Strong blow (see gas volume report)
 Final Shut-in:
 Weak blow

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	Good
% Porosity	12.00
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 Miller
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 3#/bl

SAMPLES: Gas sample
 SENT TO: Caraway/Liberal

Test Successful: Y

GAS RECOVERY

MPANY: Woolsey Petl. Corp.

DATE: 01-14-99

LL NAME: Boisseau #1

KB Elev: 2173.00 ft TICKET #11581 DST #3

LL LOCATION: Sec.22 Twp.31s Rg.18w Ks

GR Elev: 2160.00 ft FORMATION: Miss

TERVAL Fr.: 5117.00 To 5134.00 T.D.: 5134.00 ft TEST TYPE: CONVENTIONAL

S RECOVERY MEASURED WITH Adjusting Choke

*** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	17	0	90000.0
20	0.38	33	0	140000.0
30	0.38	40	0	161000.0

*** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	22	0	107000.0
20	0.38	37	0	153000.0
30	0.38	44	0	173000.0
40	0.50	42	0	296000.0
50	0.50	37	0	270000.0
60	0.50	22	0	189000.0
70	0.50	8	0	105000.0
80	0.50	4	0	68800.0
90	0.50	0	26	31900.0
96	0.50	0	25	31000.0

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: 990259 Sample From: Boisseau #1 DST 3 Producer: Woolsey Petroleum Date: Time: Sampler: Source:

Analyzed: 01/20/99 Pressure: Temperature: Location: 22-31-18 County: Comanche State: Kansas Formation: Miss

Table with 3 columns: Component Name, Mole %, GPM. Rows include Helium, Hydrogen, Oxygen, Nitrogen, Carbon Dioxide, Methane, Ethane, Propane, Iso Butane, Normal Butane, Iso Pentane, Normal Pentane, Hexanes Plus.

TOTAL: 100.000 2.071 Z Fact: 0.9975 SP. GR.: 0.6357 BTU (SAT): 1093.9 @ 14.73 psia BTU (DRY): 1113.2 @ 14.73 psia OCTANE RATING: 124.9

COMMENTS:

0.000

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1	P.O. SUB		
LOCATION : Sec.22 Twp.31s Rg.18w Ks	C.O. SUB @ top of tool	5090	
WELL No. 11581 D.S.T. No. 3 DATE 01-14-99	S.I. TOOL Sterling	5096	
VAL TOOL TO BOTTOM OF TOP PACKERS 27	Sampler (no)		
INTERVAL TOOL	HMV Sterling	5101	
BOTTOM PACKERS AND ANCHOR 17	JARS Bowen	5106	
VAL TOOL 44			
WELL COLLAR ANCHOR IN INTERVAL			
ANCHOR STANDS Single Total	SAFETY JOINT Bowen	5108	
ANCHOR STANDS Single Total	PACKER Top	5112	
VAL ASSEMBLY 44	PACKER Btm.	5117	
ABOVE TOOLS STANDS 5 Single Total 295	DEPTH 5117		
ABOVE TOOLS STANDS 76 Single Total 4825	STUBB 1 ft.	5118	
VAL DRILL COLLARS DRILL PIPE & TOOLS .. 5164	ANCHOR		
VAL DEPTH 5134	perfs		
VAL DRILL PIPE ABOVE K.B. 30	Alpine rec. @	5123	
MARKS:			
MENTS:			
FLUID SAMPLER DATA (not run)	T.C.		
-----	DEPTH		
----- ML.			
----- ML.			
R----- ML.			
R-----			
SURE----- PSI			
----- ohms @ deg. F.	11' perfs to	5129	
RIDES----- ppm.			
ITY-----n/a deg. API			
	AK-1 rec. @	5131	
	BULLNOSE 5. ft. perforated	5134	
	T.D.		

TEST HISTORY

11581 DST#3 BOISSEAU #1 WOOLSEY PETL. CORP.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2536.21
B:	0.00	89.29
C:	30.50	93.24
D:	59.25	716.23
E:	0.00	85.51
F:	94.00	69.97
G:	304.25	726.72
Q:	0.00	2506.83

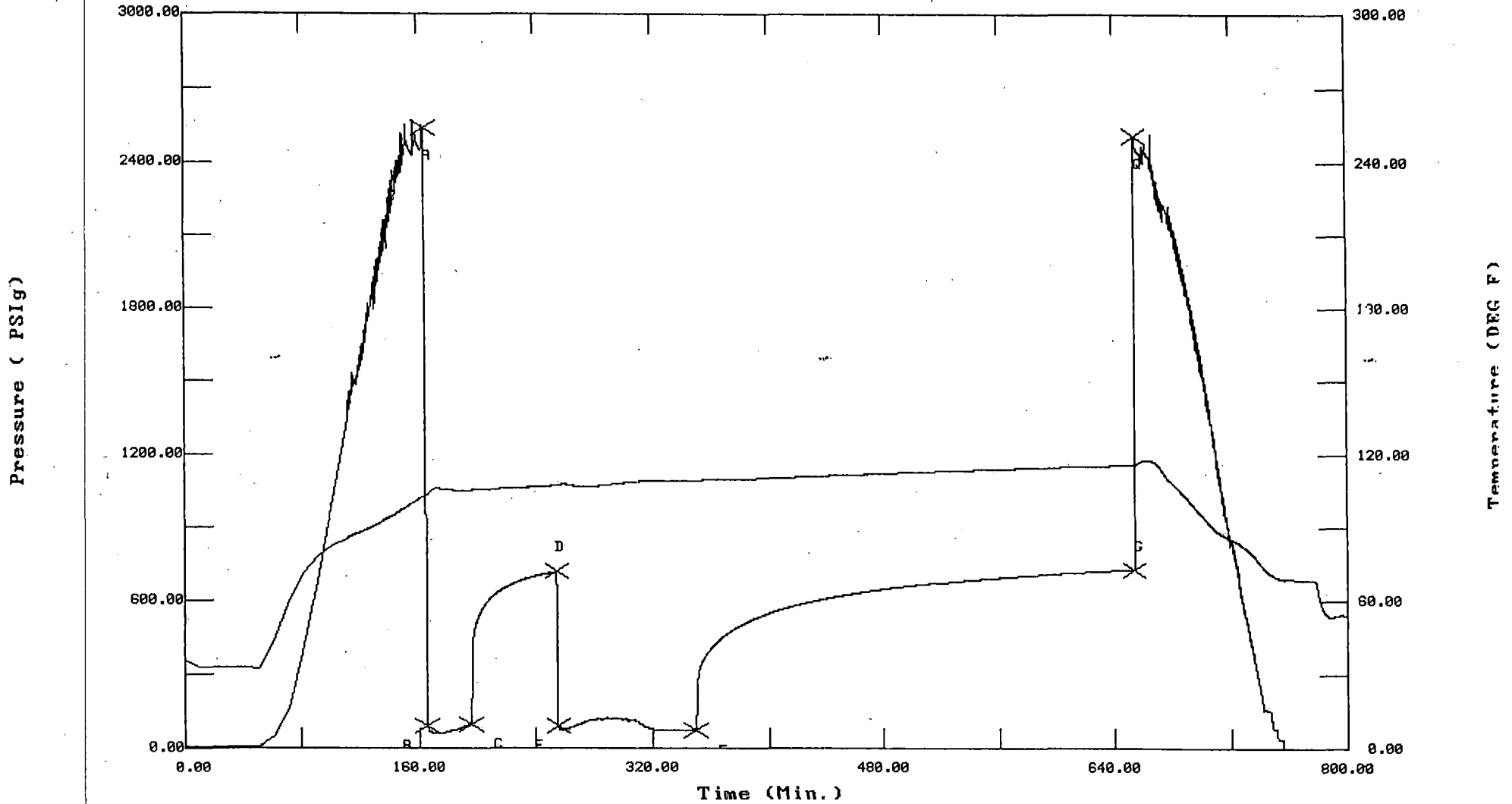
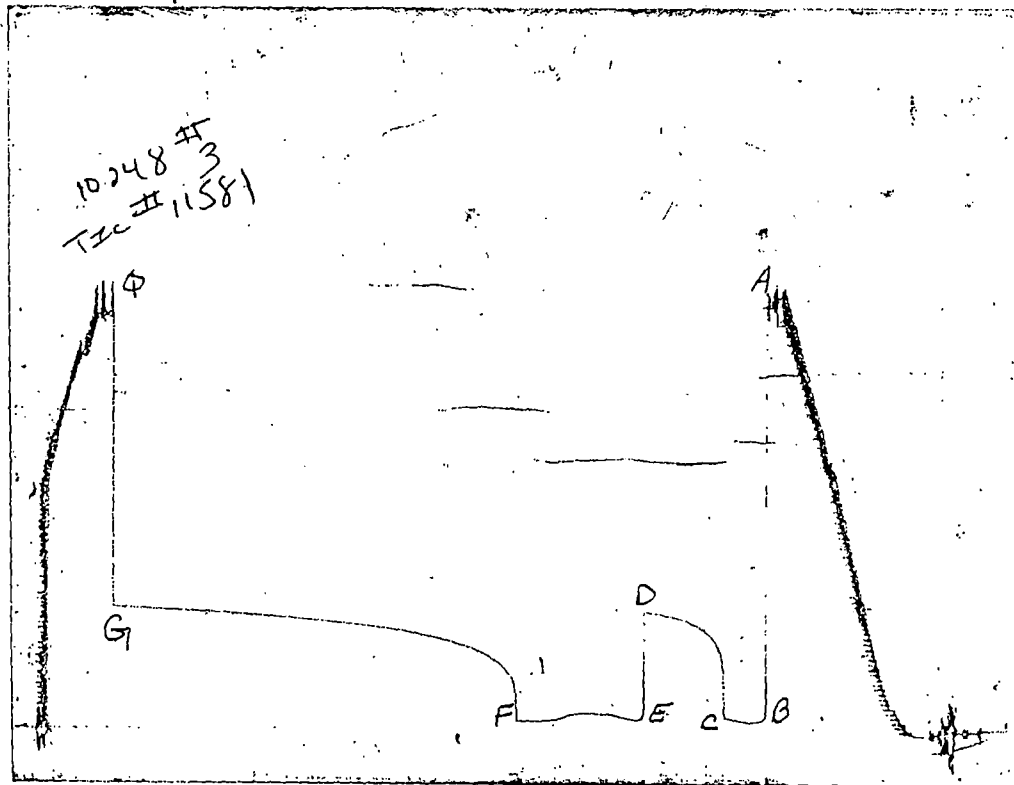


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 11581

Test Ticket

Well Name & No. Boysen #1 Test No. 3 Date 1-14-99
 Company Woolsey Pet. Corp. Zone Tested MISS.
 Address 125 N. MARKET ST. 1000, WICHITA, KS. 67202 Elevation 2173 KB 210 GL
 Co. Rep / Geo. STEVE MILLER Cont. DUKE DRUG #7 Est. Ft. of Pay 10 Por. 12 %
 Location: Sec. 22 Twp. 31 S Rge. 18 W Co. COMWORTH State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5117 - 5134' Initial Str Wt./Lbs. 85,000 Unseated Str. Wt./Lbs. 87,000
 Anchor Length 17' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 99,000
 Top Packer Depth 5112' Tool Weight 2100 #
 Bottom Packer Depth 5117' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5134' Wt. Pipe Run None Drill Collar Run 295'
 Mud Wt. 9.1 LCM 3# Vis. SI WL 10.8cc. Drill Pipe Size 4 1/2" x .11 Ft. Run 4825'
 Blow Description IF: Strong blow, GTS in 5 mins. (see gas volume report) FSI: Weak blow back (1/4")
FF: Strong blow. (see gas volume report) FSI: Weak blow.

Recovery — Total Feet 215 GIP Yes Ft. in DC 215 Ft. in DP _____
 Rec. 150 Feet Of Dry Mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. 65 Feet Of S.O. & G.C.M. %gas 6 %oil 1 %water 93 %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.C. @ _____ °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2486	2536		2342	0230
(B) First Initial Flow Pressure	30	89	PSI	(depth) 5123'	0256
(C) First Final Flow Pressure	57	93	PSI	Recorder No. 10248	T-Open 0540
(D) Initial Shut-In Pressure	683	716	PSI	(depth) 5131'	T-Pulled 1348
(E) Second Initial Flow Pressure	46	86	PSI	Recorder No. _____	T-Out 1600
(F) Second Final Flow Pressure	55	70	PSI	(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	703	727	PSI	Initial Opening 30	Test <input checked="" type="checkbox"/> 800
(Q) Final Hydrostatic Mud	2428	2507	PSI	Initial Shut-in 60	Jars <input checked="" type="checkbox"/> 200
				Final Flow 96	Safety Joint <input checked="" type="checkbox"/> 50
				Final Shut-in 300	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <input checked="" type="checkbox"/> 150
					Mileage _____
					Other <u>TELE</u> <input checked="" type="checkbox"/>
					TOTAL PRICE \$ <input checked="" type="checkbox"/>

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]

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl.Corp.

DATE 01-15-99

WELL NAME: Boisseau #1

KB 2173.00 ft

TICKET NO: 11582

DST #4

LOCATION : 22-31s-8w Comanche co KS

GR 2160.00 ft

FORMATION: Miss

INTERVAL : 5141.00 To 5161.00 ft

TD 5161.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0415 to 0445 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0445 to 0545 hr
SF 90 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0545 to 0715 hr
FS 300 Depth(ft)	5158.0	5158.0	5146.0	0.0	0.0	FS Fr. 0715 to 1215 hr

	Field	1	2	3	4	
A. Init Hydro	2625.0	2611.0	2579.0	0.0	0.0	T STARTED 0143 hr
B. First Flow	28.0	41.0	22.0	0.0	0.0	T ON BOTM 0410 hr
B1. Final Flow	37.0	48.0	41.0	0.0	0.0	T OPEN 0415 hr
C. In Shut-in	1034.0	1036.0	1045.0	0.0	0.0	T PULLED 1215 hr
D. Init Flow	55.0	68.0	49.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	69.0	68.0	80.0	0.0	0.0	
F. Fl Shut-in	1227.0	1225.0	1250.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2470.0	2426.0	2481.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 96000.00 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 295.00 ft
						D.P. Length 4825.00 ft

RECOVERY

Tot Fluid 130.00 ft of 130.00 ft in DC and 0.00 ft in DP
 1055.00 ft of Gas in pipe.
 70.00 ft of Gassy oil cut mud 15% gas 30% oil 55% mud
 60.00 ft of Gassy oil cut mud 10% gas 25% oil 65% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw n.c ohms @ degrees F.
 0.00 ft of EST.FT. of PAY----- 10
 SALINITY 10000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	52.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 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 Miller
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 3#/bl

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 4 mins.
 Initial Shut-in:
 No blow.
 Final Flow:
 Strong blow bottom of bucket in
 10 secs.
 Final Shut-in:
 No blow

SAMPLES: none
 SENT TO: Caraway/Liberal

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1

LOCATION : Sec.22 Twp.31s Rg.18w Ks

WELL No. 11582 D.S.T. No. 4 DATE 01-15-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 20

TOTAL TOOL 47

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 47

C. ABOVE TOOLS.Stands5 Single Total 295

P. ABOVE TOOLS.Stands78 Single Total 4825

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5167

TOTAL DEPTH 5161

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

Comments:

FLUID SAMPLER DATA (not run)

WELL NO.-----
 DEPTH----- ML.
 ID----- ML.
 WATER----- ML.
 TEMPERATURE-----
 PRESSURE----- PSI
 /----- ohms @ deg. F.
 FLORIDES----- ppm.
 GRAVITY-----n/a deg.API

P.O. SUB
 C.O. SUB @ top of tool 5114

S.I. TOOL Sterling 5120

Sampler (no)

HMV Sterling 5125

JARS Bowen 5130

SAFETY JOINT Bowen 5132

PACKER Top 5136

PACKER Btm. 5141

DEPTH 5141

STUBB 1 ft. 5142

ANCHOR
 perfs

Alpine rec. @ 5146

T.C.
 DEPTH

14' perfs to 5156

AK-1 rec. @ 5158

BULLNOSE 5 ft. perforated 5161

T.D.

TEST HISTORY

11582 DST#4 BOISSEAU #1 WOOLSEY PETL.CORP.

Flag Points

t(Min.) P(PSig)

A:	0.00	2579.35
B:	0.00	22.15
C:	29.25	41.20
D:	59.25	1045.06
E:	0.00	49.01
F:	90.25	79.72
G:	301.00	1250.26
Q:	0.00	2481.40

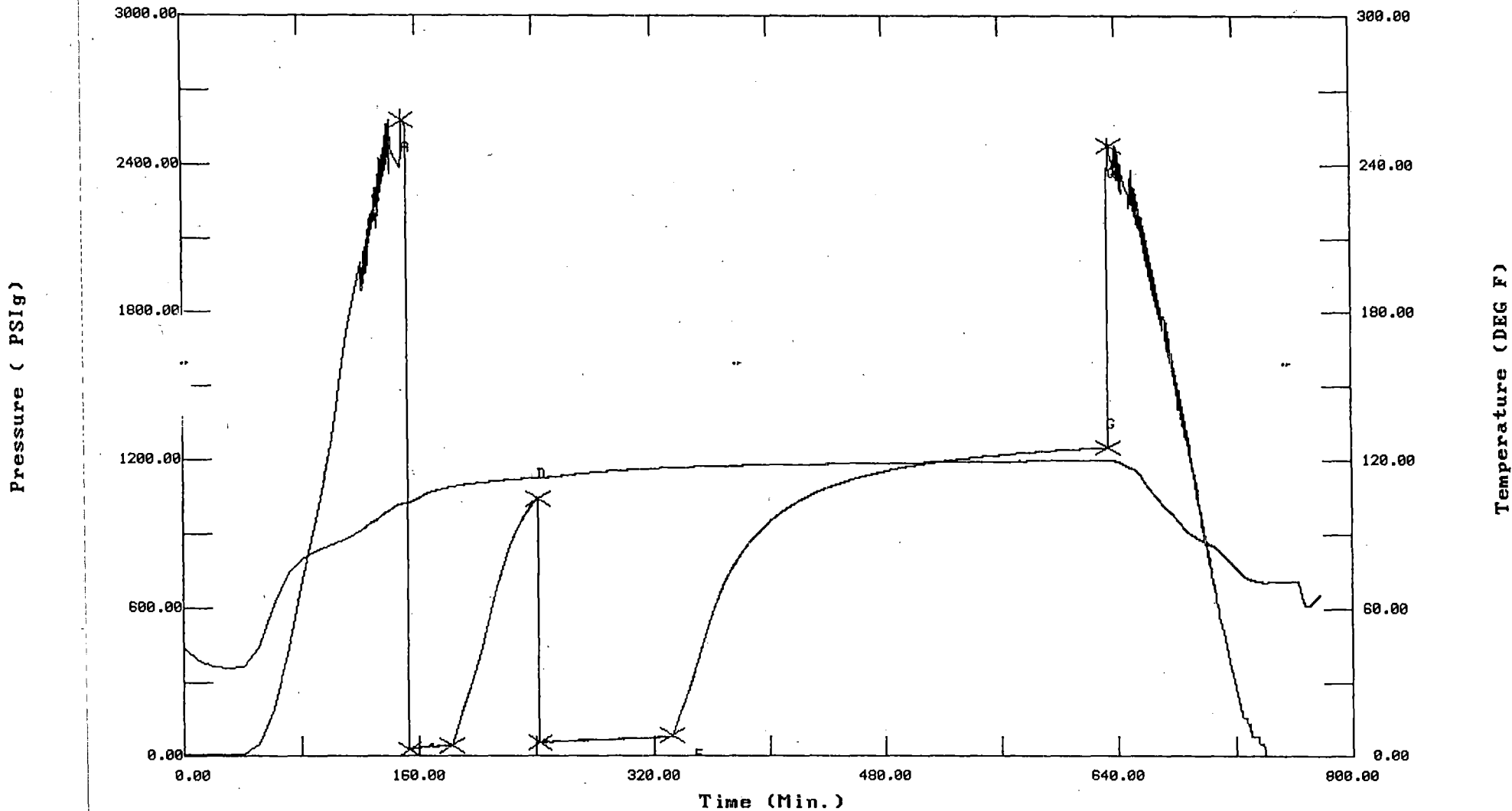
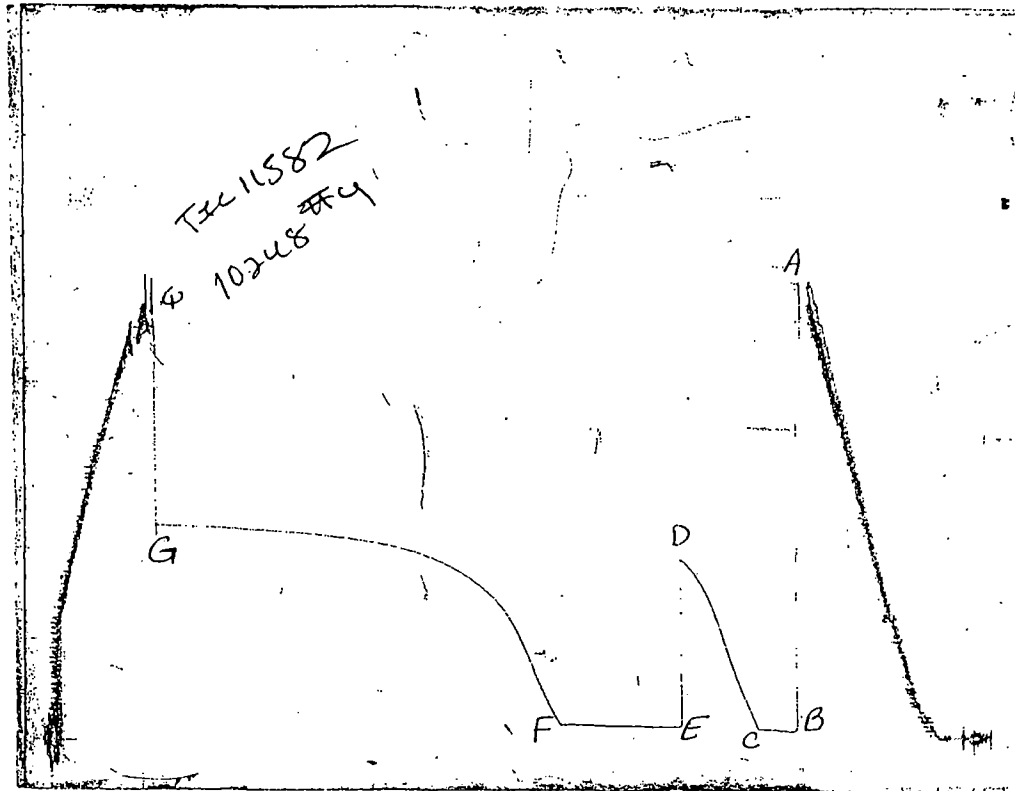


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 11582

Test Ticket

Well Name & No. <u>BOISSIAU #1</u>	Test No. <u>4</u>	Date <u>1-15-99</u>
Company <u>WOLSEY PET. CORP.</u>	Zone Tested <u>MISS.</u>	
Address <u>WICHITA KS. 67202</u>	Elevation <u>2173</u> KB <u>2160</u> GL	
Co. Rep / Geo. <u>STEVE MAUER</u> Cont. <u>DUKE DRG. #7</u>	Est. Ft. of Pay <u>10</u> Por. <u>10</u> %	
Location: Sec. <u>22</u> Twp. <u>31S</u> Rge. <u>18^W</u>	Co. <u>COMANCHE</u> State <u>KS.</u>	
No. of Copies <u>1</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>5141-5161'</u>	Initial Str Wt./Lbs. <u>85,000</u>	Unseated Str Wt./Lbs. <u>85,000</u>
Anchor Length <u>20'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>96,000</u>
Top Packer Depth <u>5136'</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>5141'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5161'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>295</u>
Mud Wt. <u>9.1</u> LCM <u>3#</u> Vis. <u>#52</u> WL <u>9.6</u> cc.	Drill Pipe Size <u>4 1/2" X .14</u>	Ft. Run <u>4825</u>
Blow Description <u>IF: Strong below. Blm. of bucket in 4 min</u> <u>ISI: No below. 2 FF: Strong below. Blm. of bucket</u> <u>in 10 sec. FSI: No below.</u>		

Recovery — Total Feet <u>130</u>	GIP <u>1055</u>	Ft. in DC <u>130</u>	Ft. in DP <u>✓</u>
Rec. <u>10</u> Feet Of <u>COCM.</u>	<u>15</u> %gas <u>30</u> %oil	%water <u>55</u> %mud	
Rec. <u>60</u> Feet Of <u>COCM</u>	<u>10</u> %gas <u>25</u> %oil	%water <u>65</u> %mud	
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____	
Rec. _____ Feet Of <u>Clean Oil @ top</u>	%gas _____ %oil _____	%water _____ %mud _____	
Rec. _____ Feet Of <u>tool</u>	%gas _____ %oil _____	%water _____ %mud _____	
BHT <u>120</u> °F Gravity <u>N/A</u>	°API D@ <u>✓</u>	°F Corrected Gravity <u>N/A</u>	°API _____
RW. <u>N.C.</u> @ <u>✓</u>	°F Chlorides <u>10,000</u> ppm Recovery	Chlorides <u>10,000</u> ppm System	

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2625</u>	<u>2579</u>	PSI Recorder No. <u>alp. 2342</u>	T-On Location	<u>0100</u>
(B) First Initial Flow Pressure	<u>28</u>	<u>22</u>	PSI (depth) <u>5146'</u>	T-Started	<u>0143</u>
(C) First Final Flow Pressure	<u>37</u>	<u>41</u>	PSI Recorder No. <u>10248</u>	T-Open	<u>0415</u>
(D) Initial Shut-In Pressure	<u>1034</u>	<u>1045</u>	PSI (depth) <u>5158'</u>	T-Pulled	<u>1215</u>
(E) Second Initial Flow Pressure	<u>55</u>	<u>49</u>	PSI Recorder No. _____	T-Out	<u>1430</u>
(F) Second Final Flow Pressure	<u>49</u>	<u>80</u>	PSI (depth) _____	T-Off Location	<u>1530</u>
(G) Final Shut-in Pressure	<u>1227</u>	<u>1250</u>	PSI Initial Opening <u>30</u>	Test	<u>✓ 800</u>
(Q) Final Hydrostatic Mud	<u>2470</u>	<u>2481</u>	PSI Initial Shut-in <u>60</u>	Jars	<u>✓ 200</u>
			Final Flow <u>90</u>	Safety Joint	<u>✓ 50</u>
			Final Shut-in <u>300</u>	Straddle	_____
				Circ. Sub	_____
				Sampler	_____
				Extra Packer	_____
				Elec. Rec.	<u>✓ 150</u>
				Mileage	_____
				Other <u>FIM</u>	_____
				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 [Signature]
 Our Representative [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl. Corp.

DATE 01-17-99

WELL-NAME: Boisseau #1 KB. 2173.00 ft TICKET NO.: 11583 DST #5
 LOCATION : 22-31s-18w Comanche co KS GR 2160.00 ft FORMATION: Viola
 INTERVAL : 5494.00 To 5540.00 ft TD 5540.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10248	10248	2342			PF Fr. 0507 to 0537 hr
SI 60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0537 to 0637 hr
SF 60	Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0637 to 0737 hr
FS 180	Depth(ft)	5537.0	5537.0	5500.0	0.0	0.0	FS Fr. 0737 to 1037 hr

	Field	1	2	3	4	
A. Init Hydro	2691.0	2691.0	2712.0	0.0	0.0	T STARTED 0236 hr
B. First Flow	46.0	57.0	22.0	0.0	0.0	T ON BOTM 0503 hr
B1. Final Flow	57.0	57.0	29.0	0.0	0.0	T OPEN 0507 hr
C. In Shut-in	1220.0	1234.0	1223.0	0.0	0.0	T PULLED 1039 hr
D. Init Flow	44.0	62.0	16.0	0.0	0.0	T OUT 1310 hr
E. Final Flow	55.0	62.0	29.0	0.0	0.0	
F. Fl Shut-in	1819.0	1823.0	1798.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2660.0	2644.0	2701.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
 670.00 ft of Gas in pipe.
 20.00 ft of Gas cut mud 12% gas 88% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw n.c ohms @ degrees F.
 0.00 ft of EST.FT. of PAY----- 7
 SALINITY 9000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak to fair blow slow increase to
 10" in water
 Initial Shut-in:
 No blow.
 Final Flow:
 Strong blow bottom of bucket in
 5 secs.
 Final Shut-in:
 No blow

SAMPLES: none
 SENT TO: Caraway/Liberal

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/
Vis.	56.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 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 Miller
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 4#/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

LL NAME: Boisseau #1

CATION : Sec.22 Twp.31s Rg.18w Ks

CKET No. 11583 D.S.T. No. 5 DATE 01-17-99

TAL TOOL TO BOTTOM OF TOP PACKERS 27

TERVAL TOOL

TTOM PACKERS AND ANCHOR 15

TAL TOOL 42

ILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single 1 : - 31

TAL ASSEMBLY 73

C. ABOVE TOOLS.Stands5 Single Total 295

P. ABOVE TOOLS.Stands84 Single Total 5199

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 5567

TAL DEPTH 5540

TAL DRILL PIPE ABOVE K.B. 27

MARKS:

ments:

FLUID SAMPLER DATA (not run)

S-----
 L-----
 D-----
 FER-----
 HER-----
 ESSURE-----
 ohms @ deg. F.
 LORIDES-----
 ppm.
 AVITY-----n/a deg.API

P.O. SUB	
C.O. SUB @ top of tool	5467
S.I. TOOL Sterling	5473
Sampler (no)	
HMV Sterling	5478
JARS Bowen	5483
SAFETY JOINT Bowen	5485
PACKER Top	5489
PACKER Btm.	5494
DEPTH	5494
STUBB 1 ft.	5495
ANCHOR	
perfs	
Alpine rec. @	5500
7' perfs & sub to	5502
T.C.	
DEPTH	
1 jt pipe to	5533
2' perfs & sub to	5535
AK-1 rec. @	5537
BULLNOSE 5 ft. perforated	5540
T.D.	

TEST HISTORY

11583 DST#5 BOISSEAU #1 WOOLSEY PETL. CORP.

Flag Points

	t(Min.)	P(PSig)
A:	0.00	2711.78
B:	0.00	21.81
C:	29.75	28.61
D:	60.75	1223.16
E:	0.00	15.85
F:	59.25	29.45
G:	183.50	1798.48
Q:	0.00	2701.04

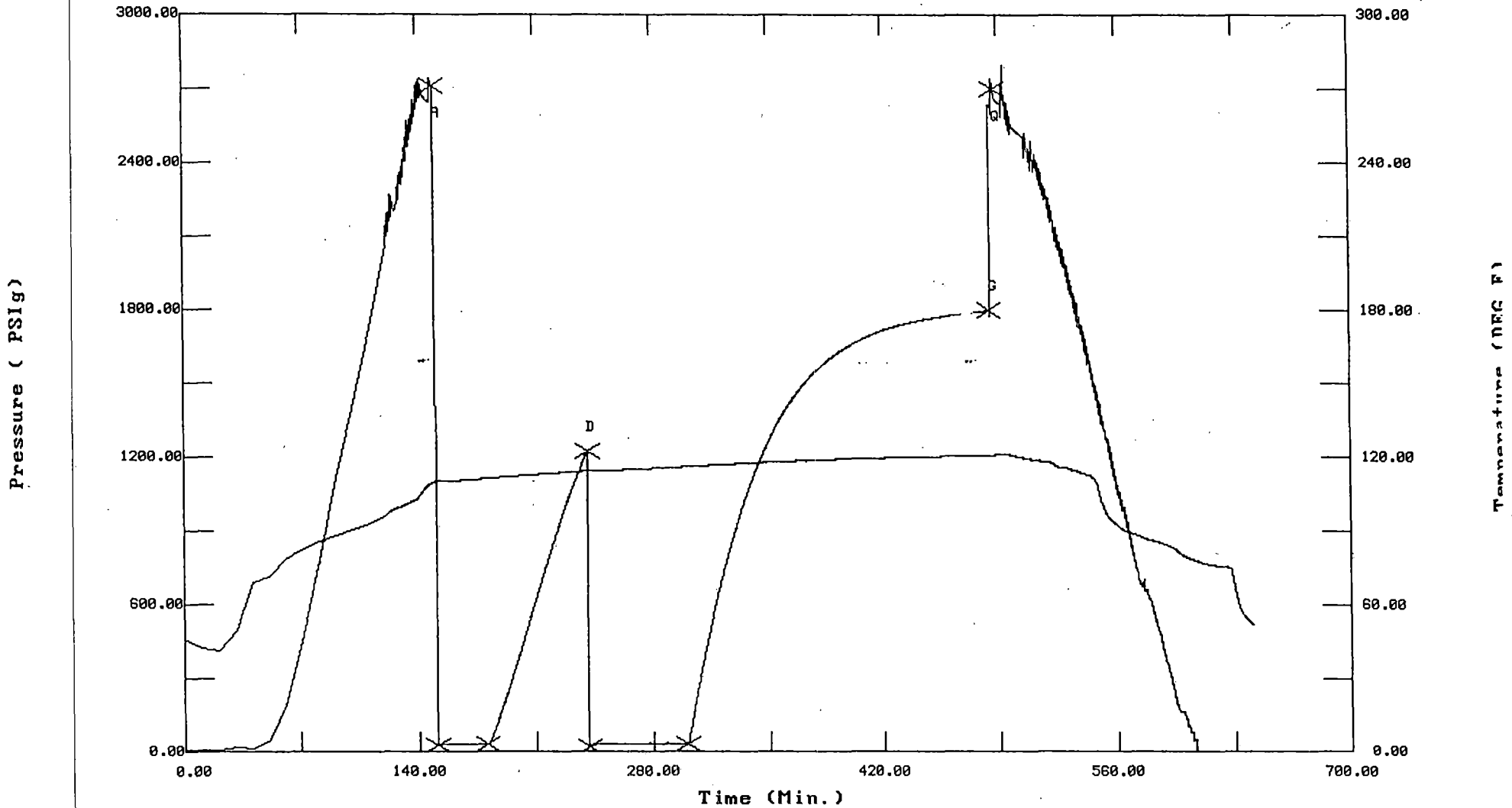
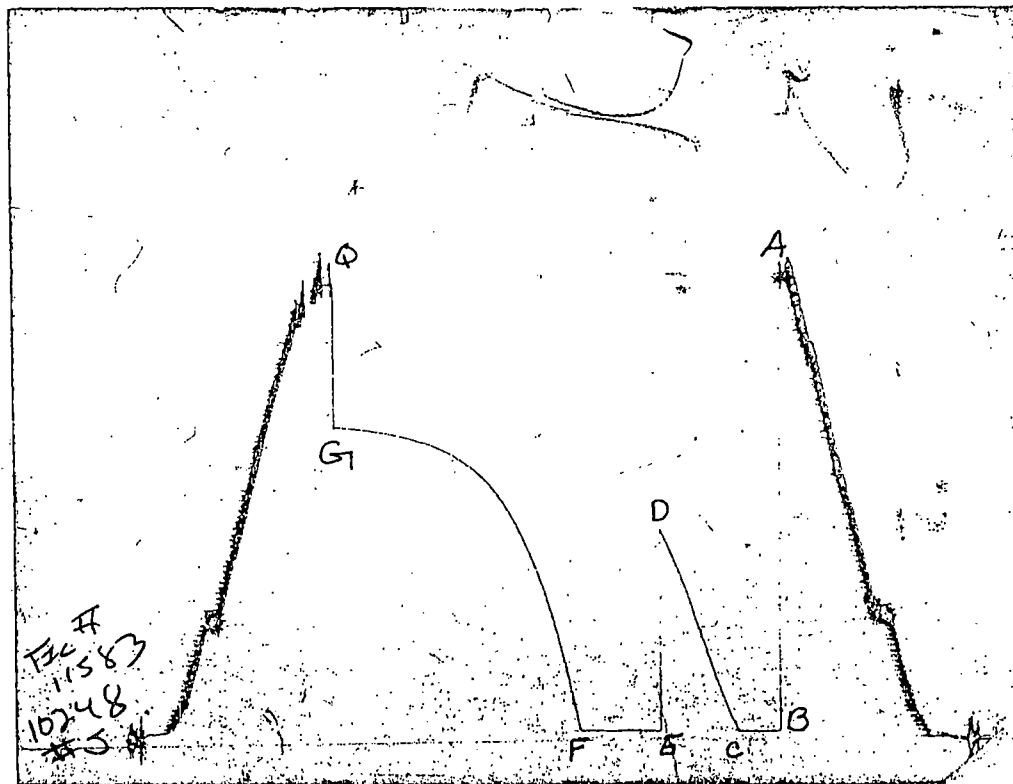


CHART PAGE



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. 11583

Well Name & No. <u>BOSSEMAN #1</u>		Test No. <u>5</u>	Date <u>1-17-99</u>
Company <u>Woolsey Petr. Corp.</u>		Zone Tested <u>VIOLA</u>	
Address <u>125 N. MARKET ST. 1000 WINTIA Ks. 67222</u>		Elevation <u>2173</u>	KB <u>2160</u> GL
Co. Rep / Geo. <u>Steve Mauer</u>	Cont. <u>Dick Dyer #7</u>	Est. Ft. of Pay <u>7</u>	Por. <u>10</u> %
Location: Sec. <u>22</u>	Twp. <u>31S</u>	Rge. <u>18W</u>	Co. <u>COMANCHE</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 <u>5494 - 5540'</u>	Initial Str Wt./Lbs. <u>17,000</u>	Unseated Str Wt./Lbs. <u>98,000</u>
Anchor Length <u>46'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>114,000</u>
Top Packer Depth <u>5489'</u>	Tool Weight <u>2100#</u>	
Bottom Packer Depth <u>5494'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>5540'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>295'</u>
Mud Wt. <u>9.2</u> LCM <u>4#</u> Vis. <u>SG</u> WL <u>9.6cc</u>	Drill Pipe Size <u>4 1/2" x 11'</u>	Ft. Run <u>5199'</u>
Blow Description <u>FF: Weak to fair below. Slow increase to 10" on H</u>		
<u>ISI: No blow.</u>		
<u>FF: Strong below. Blm. of bucket in 5 secs. FSI: No blow</u>		

Recovery — Total Feet <u>20</u>	GIP <u>670</u>	Ft. in DC <u>20</u>	Ft. in DP <u>—</u>
Rec. <u>20</u> Feet Of <u>CCM</u>	<u>12</u> %gas	%oil	%water <u>88</u> %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet Of _____	%gas	%oil	%water _____ %mud
BHT <u>121</u> °F Gravity <u>N/A</u>	°API D@ _____	°F Corrected Gravity <u>N/A</u>	°API _____
RW <u>N-C</u> @ _____	°F Chlorides <u>9000</u> ppm	Recovery Chlorides <u>9,000</u> ppm	System

(A) Initial Hydrostatic Mud	<u>2491</u>	AK-1	<u>2712</u>	Alpine	PSI	Recorder No. <u>2342</u>	T-On Location <u>0158</u>
(B) First Initial Flow Pressure	<u>46</u>		<u>22</u>		PSI	(depth) <u>5500'</u>	T-Started <u>0236</u>
(C) First Final Flow Pressure	<u>57</u>		<u>29</u>		PSI	Recorder No. <u>10248</u>	T-Open <u>0507</u>
(D) Initial Shut-In Pressure	<u>1220</u>		<u>1223</u>		PSI	(depth) <u>5537'</u>	T-Pulled <u>1039</u>
(E) Second Initial Flow Pressure	<u>44</u>		<u>16</u>		PSI	Recorder No. _____	T-Out <u>1310</u>
(F) Second Final Flow Pressure	<u>55</u>		<u>29</u>		PSI	(depth) _____	T-Off Location <u>1410</u>
(G) Final Shut-in Pressure	<u>1819</u>		<u>1798</u>		PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2460</u>		<u>2701</u>		PSI	Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
						Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
						Final Shut-in <u>180</u>	Straddle _____
							Circ. Sub _____
							Sampler _____
							Extra Packer _____
							Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
							Mileage _____
							Other <u>TIME</u> <input checked="" type="checkbox"/>
							TOTAL PRICE \$ <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]

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl.Corp.

DATE 01-18-99

WELL NAME: Boisseau #1

KB 2173.00 ft

TICKET NO: 11583

DST #5

LOCATION : 22-31s-18w Conamche co KS

GR 2160.00 ft

FORMATION: Viola

INTERVAL : 5570.00 To 5606.00 ft

TD 5606.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0635 to 0705 hr
SI 90 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0705 to 0835 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0835 to 0935 hr
FS 180 Depth(ft)	5603.0	5603.0	5575.0	0.0	0.0	FS Fr. 0935 to 1235 hr

	Field	1	2	3	4	
A. Init Hydro	2801.0	2824.0	2745.0	0.0	0.0	T STARTED 0413 hr
B. First Flow	98.0	115.0	99.0	0.0	0.0	T ON BOTM 0630 hr
B1. Final Flow	149.0	170.0	153.0	0.0	0.0	T OPEN 0635 hr
C. In Shut-in	1847.0	1849.0	1831.0	0.0	0.0	T PULLED 1237 hr
D. Init Flow	202.0	215.0	175.0	0.0	0.0	T OUT 1515 hr
E. Final Flow	272.0	301.0	281.0	0.0	0.0	
F. Fl Shut-in	1843.0	1849.0	1828.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2757.0	2750.0	2670.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 580.00 ft of 295.00 ft in DC and 285.00 ft in DP
 30.00 ft of Gas in pipe.
 100.00 ft of Gassy oil specked mud 1% oil 18% gas 81% mud
 185.00 ft of Gassy oil specked muddy water
 0.00 ft of 10% gas 1% oil 57% water 32% mud
 295.00 ft of Muddy water with oil specs 92% water 8% mud
 0.00 ft of
 0.00 ft of Rw .11 ohms @ 65 degrees F.
 0.00 ft of EST.FT. of PAY----- 7
 SALINITY 87000.00 P.P.M. A.P.I. Gravity 0.00

Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	114000.00 lb
Initial Str Wt	98000.00 lbs
Unseated Str Wt	104000.00 lb
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	295.00 ft
D.P. Length	5262.00 ft

MUD DATA-----	
Mud Type	Chemical
Weight	9.10 lb/
Vis.	59.00 S/L
W.L.	10.00 in3
F.C.	0.20 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	128.00 F
Hole Condition	Good
% Porosity	12.00
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 Miller
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	LCM 5#/bl

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 6 mins.
 Initial Shut-in:
 Weak blow. (1/2 - 2 1/2")
 Final Flow:
 Strong blow bottom of buckt in
 6 mins.
 Final Shut-in:
 Weak blow (1/2 - 5")

SAMPLES: none

SENT TO: Caraway/Liberal

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1

LOCATION : 22-31s-18w Conamche co KS

TICKET No. 11583 D.S.T. No. 5 DATE 01-18-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 36

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands5 Single Total 295

D.P. ABOVE TOOLS.Stands85 Single Total 5262

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5620

TOTAL DEPTH 5606

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

Comments:

FLUID SAMPLER DATA (not run)

GAS-----
 OIL----- ML.
 MUD----- ML.
 WATER----- ML.
 OTHER-----
 PRESSURE----- PSI
 Rv ----- ohms @ deg. F.
 CHLORIDES----- ppm.
 GRAVITY-----n/a deg.API

P.O. SUB		
C.O. SUB @ top of tool		5543
S.I. TOOL Sterling		5549
Sampler (no)		
HMV Sterling		5554
JARS Bowen		5559
SAFETY JOINT Bowen		5561
PACKER Top		5565
PACKER Btm.		5570
DEPTH	5570	
STUBB 1 ft.		5571
ANCHOR		
perfs		
Alpine rec. @		5575
T.C.		
DEPTH		
30' perfs & sub to		5601
AK-1 rec. @		5603
BULLNOSE 5 ft. perforated		5606
T.D.		

TEST HISTORY

11584 DST#6 BOISSEAU #1 WOOLSEY PETL.CORP.

Flag Points

t(Min.) P(PSIg)

R:	0.00	2744.68
B:	0.00	98.94
C:	30.00	152.66
D:	88.25	1831.21
E:	0.00	174.65
F:	59.50	281.07
G:	182.50	1827.52
Q:	0.00	2670.32

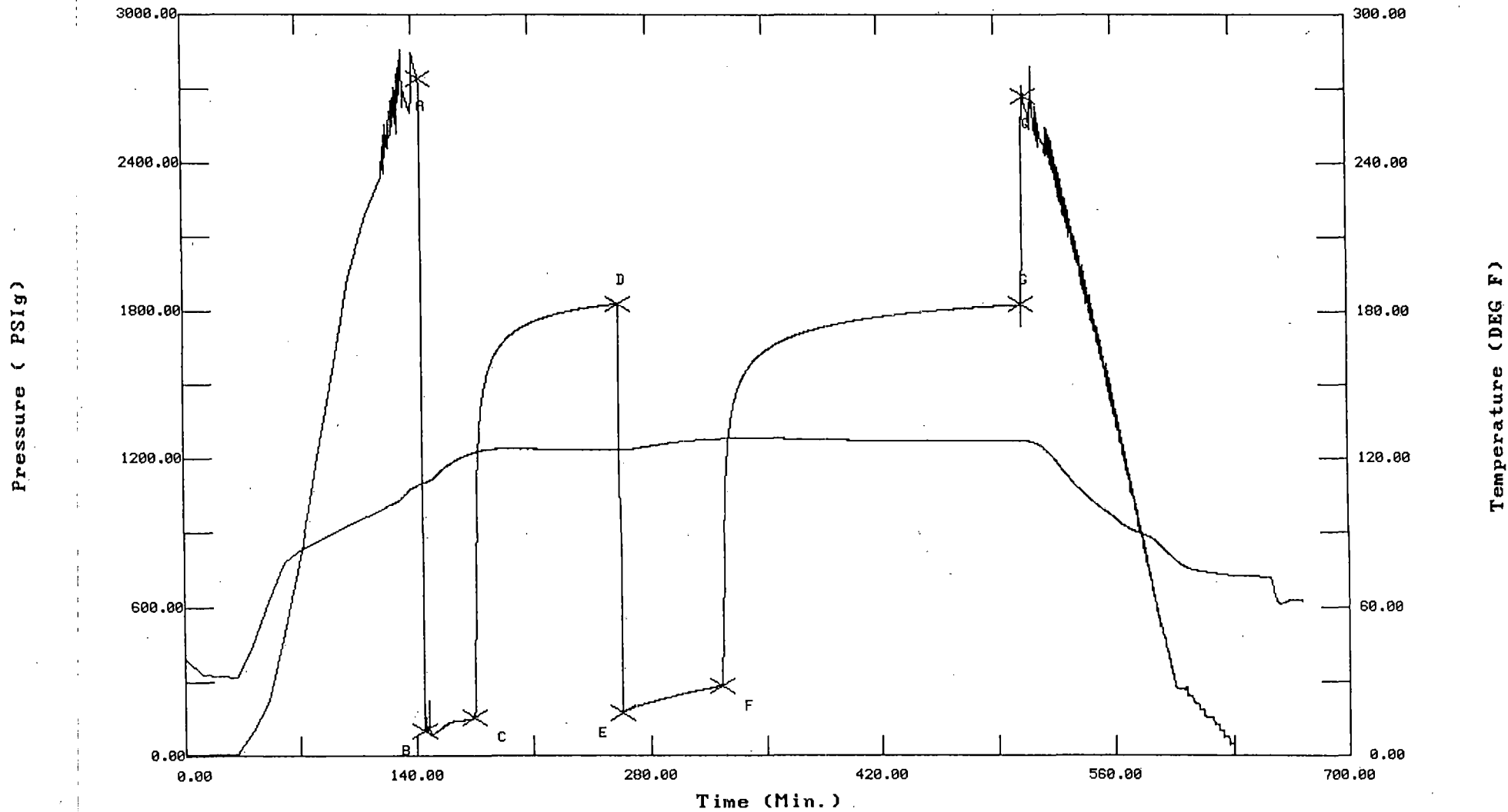
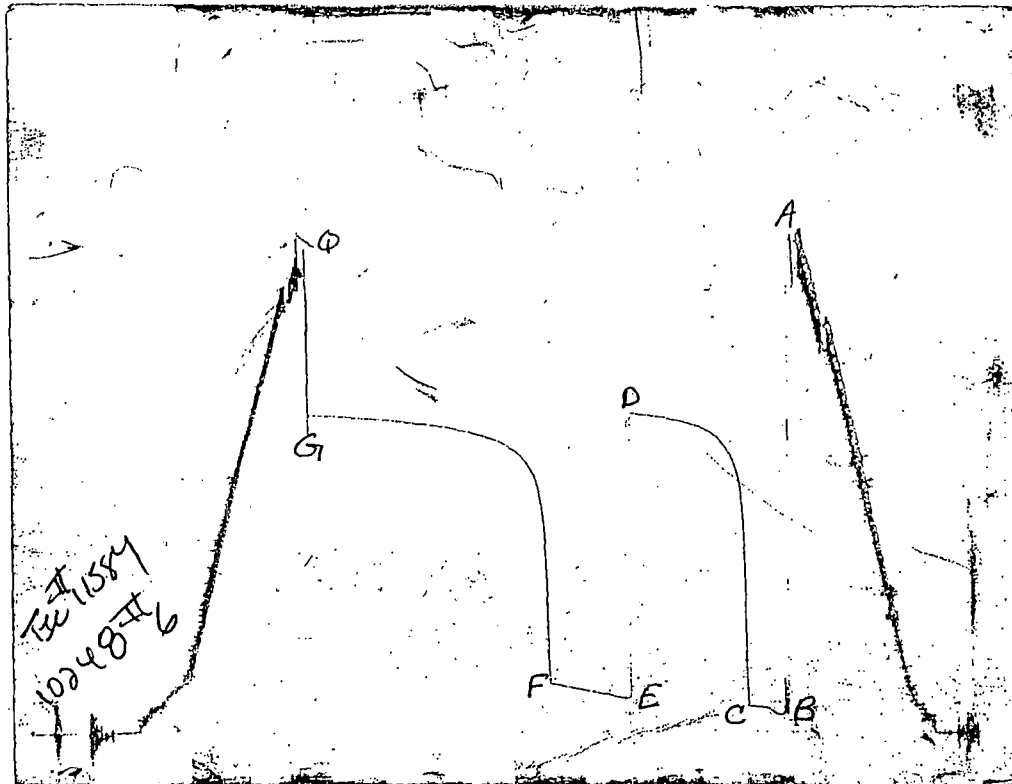


CHART PAGE



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 11584

Well Name & No. Boissard #1 Test No. 6 Date 1-18-99
 Company WOOLSEY PETL. CORP. Zone Tested N201A
 Address Wichita Ks. 67202 Elevation 2173 KB 216GL
 Co. Rep/Geo. Steve Miller Cont. Duce Dalg. # 7 Est. Ft. of Pay 12 Por. 12 %
 Location: Sec. 22 Twp. 31S Rge. 18W Co. COMANCHE State KS
 No. of Copies 6 Distribution Sheet (Y, N) N Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 5570 - 5606' Initial Str Wt/Lbs. 98,000 Unseated Str Wt/Lbs. 104,000
 Anchor Length 36' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 14,000
 Top Packer Depth 5565 Tool Weight 2100 #
 Bottom Packer Depth 5570 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5606' Wt. Pipe Run NONE Drill Collar Run 295
 Mud Wt. 9.1 LCM 5# Vis. 59 WL 10.0cc Drill Pipe Size 4 1/2" kit. Ft. Run 5262'
 Blow Description IF: Strong blow, Blm. of bucket in 6 mins.
ISI: Weak blow. (1/2 - 2 1/2")
FF: Strong blow, Blm. of bucket in 6 mins.
FSE: Weak blow. (1/2 - 5")

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>100</u> Feet Of <u>50 2 GCM</u>	<u>30</u>	<u>295</u>	<u>285</u>
Rec. <u>185</u> Feet Of <u>50 2 GCMW</u>		<u>18</u> %gas <u>1</u> %oil	<u>81</u> %water <u>32</u> %mud
Rec. <u>295</u> Feet Of <u>MW @ oil spec.</u>		<u>10</u> %gas <u>1</u> %oil	<u>57</u> %water <u>8</u> %mud
Rec. _____ Feet Of _____		%gas %oil	%water %mud
Rec. _____ Feet Of _____		%gas %oil	%water %mud

BHT 128 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API
 RW oil @ 65 °F Chlorides 87,000 ppm Recovery Chlorides 9,000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2801</u>	<u>2745</u>	<u>2347</u>	<u>0300</u>
(B) First Initial Flow Pressure	<u>98</u>	<u>99</u>	(depth) <u>5575'</u>	T-Started <u>0413</u>
(C) First Final Flow Pressure	<u>149</u>	<u>153</u>	PSI Recorder No. <u>16248</u>	T-Open <u>0635</u>
(D) Initial Shut-In Pressure	<u>1847</u>	<u>1831</u>	(depth) <u>5603'</u>	T-Pulled <u>1237</u>
(E) Second Initial Flow Pressure	<u>202</u>	<u>175</u>	PSI Recorder No. <u>~</u>	T-Out <u>1515</u>
(F) Second Final Flow Pressure	<u>272</u>	<u>281</u>	(depth) <u>~</u>	T-Off Location <u>1600</u>
(G) Final Shut-in Pressure	<u>1843</u>	<u>1828</u>	PSI Initial Opening <u>30</u>	Test <u>✓ 800</u>
(Q) Final Hydrostatic Mud	<u>2757</u>	<u>2670</u>	PSI Initial Shut-in <u>90</u>	Jars <u>✓ 200</u>
			Final Flow <u>60</u>	Safety Joint <u>✓ 50</u>
			Final Shut-in <u>180</u>	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]

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elec. Rec. ✓ 150
 Mileage _____
 Other TIME ✓
 TOTAL PRICE \$ ✓