

15-033-20992

TRILOBITE TESTING L.L.C.

22-31s-18w

OPERATOR : Woolsey Petroleum Corp.

DATE 01-10-99

WELL NAME: Boisseau #1

KB 2173.00 ft

TICKET NO: 11579

DST #1

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

GR 2160.00 ft

FORMATION: Douglas

INTERVAL : 4314.00 To 4372.00 ft

TD 4372.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 1840 to 1910 hr
SI 45 Range (Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1910 to 1955 hr
SF 60 Clock (hrs)	12 hr	12 hr	batt.			SF Fr. 1955 to 2055 hr
FS 120 Depth (ft)	4369.0	4369.0	4323.0	0.0	0.0	FS Fr. 2055 to 2255 hr

	Field	1	2	3	4	
A. Init Hydro	2205.0	2205.0	2120.0	0.0	0.0	T STARTED 1632 hr
B. First Flow	85.0	93.0	51.0	0.0	0.0	T ON BOTM 1833 hr
B1. Final Flow	130.0	126.0	102.0	0.0	0.0	T OPEN 1840 hr
C. In Shut-in	1404.0	1381.0	1366.0	0.0	0.0	T PULLED 2256 hr
D. Init Flow	119.0	127.0	98.0	0.0	0.0	T OUT 0115 hr
E. Final Flow	198.0	194.0	159.0	0.0	0.0	
F. Fl Shut-in	1502.0	1507.0	1485.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2096.0	2082.0	2052.0	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 97000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 295.00 ft
						D.P. Length 4007.00 ft

RECOVERY

Tot Fluid 360.00 ft of 295.00 ft in DC and 65.00 ft in DP
 0.00 ft of Gas in all fluid free pipe.
 120.00 ft of Gas cut muddy water
 0.00 ft of 20% gas 10% water 70% mud
 240.00 ft of Gas cut muddy water
 0.00 ft of 8% gas 62% water 30% mud
 0.00 ft of
 0.00 ft of Rw 0.22 ohms @ 40 degrees F.
 0.00 ft of EST.FT. of PAY----- 8
 SALINITY 63000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 10-15 sec.
 Initial Shut-in:
 Weak blow. (1 - 3")
 Final Flow:
 Strong blow bottom of bucket in 40
 secs. Gas to surface 40 mins. in to
 Final Flow to small to measure
 Final Shut-in:
 Weak to fair blow 3-5"

SAMPLES: None

SENT TO: Caraway/Liberal

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/cf
 Vis. 43.00 S/L
 W.L. 10.40 in3
 F.C. 0.20 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 105.00 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 0#/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1

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

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

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single 1 Total 32

TOTAL ASSEMBLY 85

C. ABOVE TOOLS.Stands5 Single Total 295

P. ABOVE TOOLS.Stands65 Single Total 4007

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4387

TOTAL DEPTH 4372

TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

Comments:

FLUID SAMPLER DATA (not run)

AS-----
 IL----- ML.
 UD----- ML.
 WATER----- ML.
 TEMPERATURE-----
 PRESSURE----- PSI
 VISCOSITY----- ohms @ deg. F.
 CHLORIDES----- ppm.
 GRAVITY-----n/a deg.API

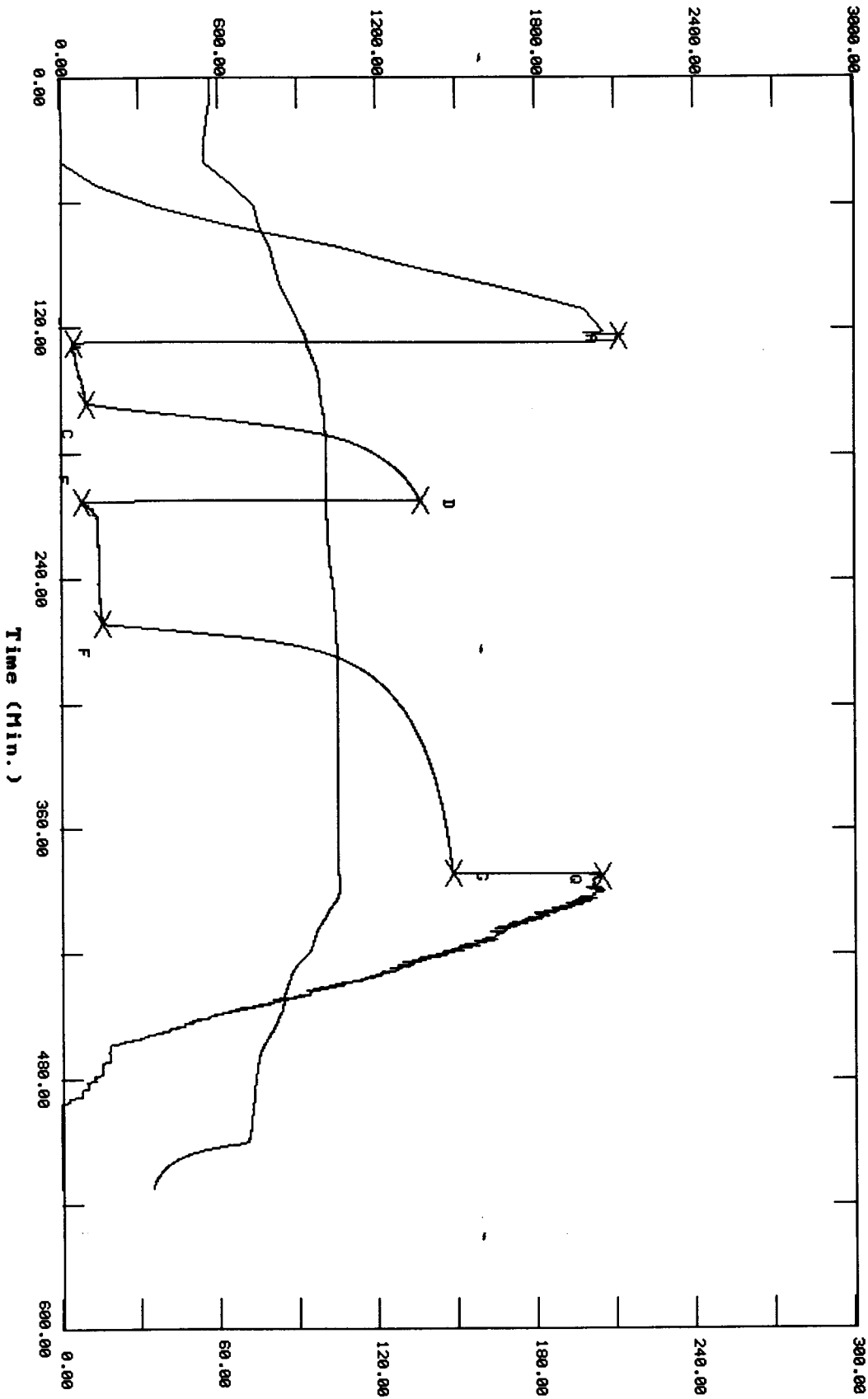
P.O. SUB	
C.O. SUB @ top of tool	4287
S.I. TOOL Sterling	4293
Sampler (no)	
HMV Sterling	4298
JARS Bowen	4303
SAFETY JOINT Bowen	4305
PACKER Top	4309
PACKER Btm.	4314
DEPTH 4314	
STUBB 1 ft.	4315
ANCHOR	
3' perms + sub to	4319
Alpine rec. @	4323
1 jt. pipe to	4351
T.C.	
DEPTH	
15' perms + sub to	4367
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
H: 0.00	2052.36

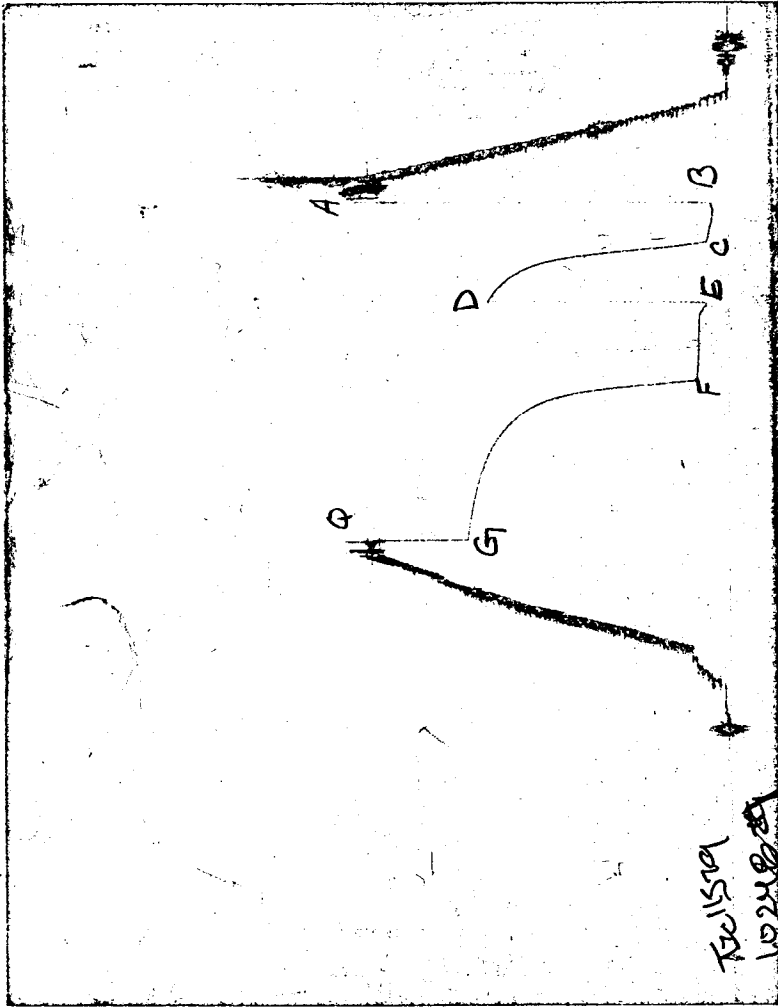


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

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>BOSSIAN #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., 1000, WICHITA, KS 67202</u>		Elevation <u>2173</u>	KB <u>2160</u> GL
Co. Rep/Geo. <u>Steve Miller</u>		Cont. <u>Dick Duggan #7</u>	Est. Ft. of Pay <u>8</u> Por. <u>10</u> %
Location: Sec. <u>22</u>	Twp. <u>31S</u>	Rge. <u>18W</u>	Co. <u>Cherokee?</u> State <u>Ks</u>
No. of Copies <u>6</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>Y</u>	Evaluation (Y, N) _____

Interval Tested <u>4314 - 4372'</u>	Initial Str Wt/Lbs <u>20,000</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" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>4372'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>295'</u>
Mud Wt. <u>9.1</u> LCM <u>~</u> 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 secs.</u>		
<u>ISI: Weak below. (1-3")</u>		
<u>FF: Strong below. Btm. of cement in 40 secs. GTS 49 mins.</u>		
<u>into FFP. TSTM/FSI: Weak to fair blow. (3-5")</u>		
Recovery — Total Feet <u>300</u> Find GIP <u>yes</u>	Ft. in DC <u>295</u>	Ft. in DP <u>65</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>62</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 D ₄₀ <u>~</u>	°F Corrected Gravity <u>N/A</u> °API
RW <u>0.22</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>2120</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>1632</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. <u>~</u>	T-Out <u>0115</u>
(F) Second Final Flow Pressure	<u>198</u>	<u>159</u>		(depth) <u>~</u>	T-Off Location <u>0205</u>
(G) Final Shut-in Pressure	<u>1502</u>	<u>1456</u>		Initial Opening <u>30</u>	Test <u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>2096</u>	<u>2052</u>		Initial Shut-in <u>45</u>	Jars <u>✓</u> <u>200</u>
				Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
				Final Shut-in <u>120</u>	Straddle _____
				<u>5</u>	Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <u>✓</u> <u>150</u>
					Mileage _____
					Other Time <u>✓</u> <u>1 hrs.</u>
					TOTAL PRICE \$ <u>✓</u> <u>1100</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 01-13-99
 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	TOOL DATA-----
G. Final Hydro	2426.0	2477.0	2419.0	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 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

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

SAMPLES: Gas sample
 SENT TO: Caraway/Liberal

Test Successful: Y

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
 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

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	103600.0
40	0.38	52	0	196000.0
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

WELL NAME: Boisseau #1

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

TICKET No. 11580 D.S.T. No. 2 DATE 01-13-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 44

TOTAL TOOL 71

DRILL COLLAR ANCHOR IN INTERVAL

A.C. ANCHOR STND.Stands Single Total

P.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 71

A.C. ABOVE TOOLS.Stands5 Single Total 295

P.P. ABOVE TOOLS.Stands75 Single Total 4700

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5066

TOTAL DEPTH 5054

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:

Comments:

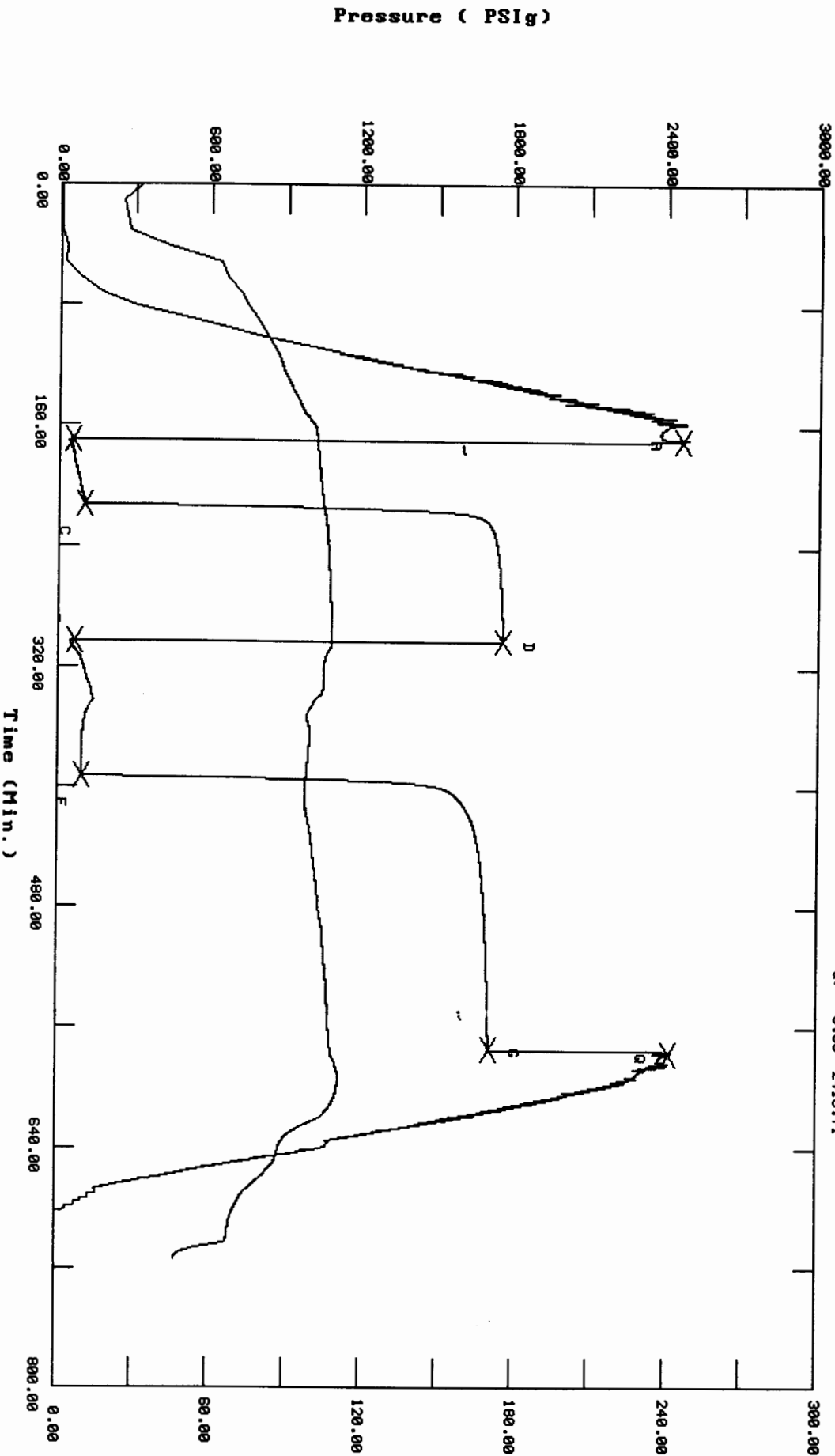
FLUID SAMPLER DATA (not run)

AS-----
 IL----- ML.
 JD----- ML.
 WATER----- ML.
 THER-----
 PRESSURE----- PSI
 W ----- ohms @ deg. F.
 CHLORIDES----- ppm.
 GRAVITY-----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 T.D.	5054

TEST HISTORY

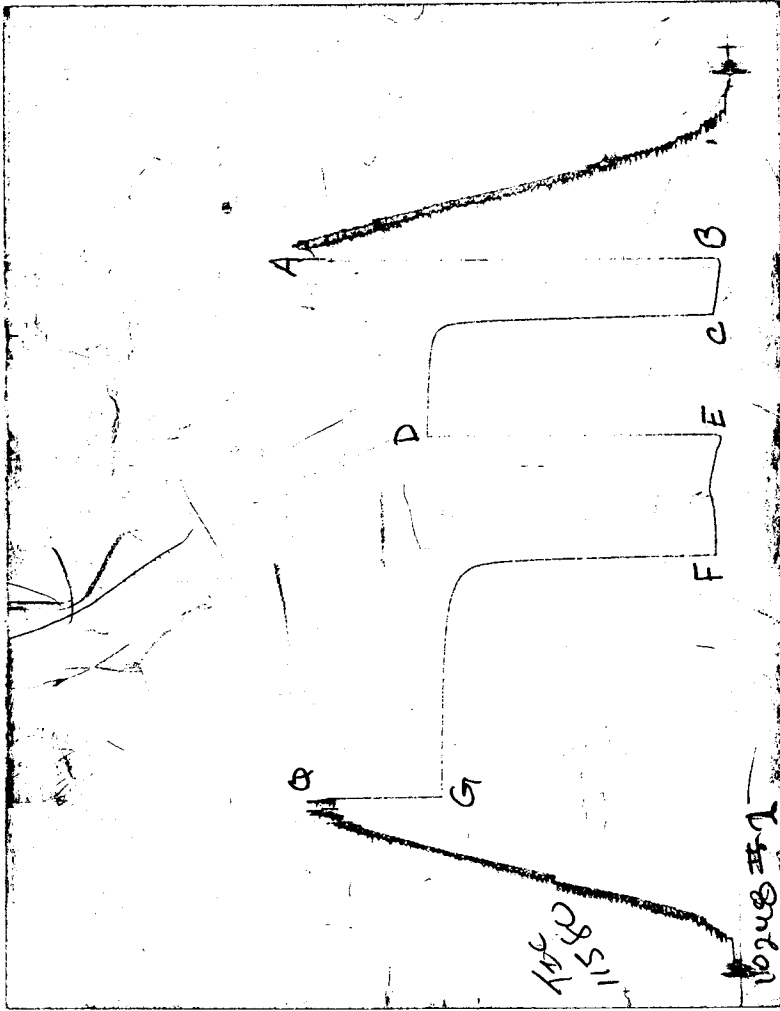
11580 DST#2 BOISSEAU #1 WOOLSEY PETL. CORP.



Flag Points

t(Min.)	Pk PSig)
A: 0.00	2462.18
B: 0.00	49.59
C: 42.50	102.30
D: 90.00	1758.88
E: 0.00	62.01
F: 90.50	93.74
G: 191.00	1708.26
H: 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

Test Ticket

No 11580

Well Name & No. BOISSIAU #1 Test No. 2 Date 1-13-99
 Company WOOLSEY PETL. CORP. Zone Tested PAWNEE
 Address 125N. MARKET ST. 1000, WICHITA KS 67202 Elevation 2173 KB 216CGL
 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. COMANCHE 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 4700'
 Blow Description FF: Strong blow. GTS in 15 mins. (see gas volume report)
FSI: Wash down back (1/4")
FF: Strong blow. (see gas volume report) FSI: Wash down.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>240</u>	<u>yes</u>	<u>240</u>	<u>-</u>
Rec. <u>120</u> Feet Of <u>G.C.W.M.</u>		<u>18%</u> gas	<u>12%</u> water <u>70%</u> mud
Rec. <u>60</u> Feet Of <u>G.C.M.</u>		<u>20%</u> gas	<u>80%</u> water <u>80%</u> mud
Rec. <u>60</u> Feet Of <u>W.M.</u>		<u>17%</u> gas	<u>83%</u> water <u>83%</u> mud
Rec. _____ Feet Of _____		% gas	% oil % water % mud
Rec. _____ Feet Of _____		% gas	% oil % water % mud

BHT 108 °F Gravity N/A °API D@ - °F Corrected Gravity N/A °API
 RW .58 @ 55 °F Chlorides 15,000 ppm Recovery Chlorides 8,100 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2481</u>	<u>2462</u>	<u>2342</u>	<u>0056</u>
(B) First Initial Flow Pressure	<u>57</u>	<u>50</u>	(depth) <u>5015'</u>	T-Started <u>0226</u>
(C) First Final Flow Pressure	<u>98</u>	<u>102</u>	Recorder No. <u>10248</u>	T-Open <u>0518</u>
(D) Initial Shut-In Pressure	<u>1756</u>	<u>1759</u>	(depth) <u>5051'</u>	T-Pulled <u>1202</u>
(E) Second Initial Flow Pressure	<u>60</u>	<u>62</u>	Recorder No. <u>-</u>	T-Out <u>1410</u>
(F) Second Final Flow Pressure	<u>98</u>	<u>94</u>	(depth) <u>-</u>	T-Off Location <u>1505</u>
(G) Final Shut-in Pressure	<u>1708</u>	<u>1708</u>	Initial Opening <u>45</u>	Test <input checked="" type="checkbox"/> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2426</u>	<u>2419</u>	Initial Shut-in <u>90</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
			Final Flow <u>90</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in <u>180</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 11 hrs 40
 TOTAL PRICE \$ 1260

TRILOBITE TESTING L.L.C.

OPERATOR : Woolsey Petl.Corp.
 WELL NAME: Boisseau #1
 LOCATION : 22-31s-18w Comanche co KS
 INTERVAL : 5117.00 To 5134.00 ft

DATE 01-14-99
 KB 2173.00 ft TICKET NO: 11581 DST #3
 GR 2160.00 ft FORMATION: Miss
 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

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

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

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

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	
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

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	Analyzed:	01/20/99
Sample From:	Boisseau #1 DST 3	Pressure:	
Producer:	Woolsey Petroleum	Temperature:	
Date:		Location:	22-31-18
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Miss

		Mole %	GPM
Helium	He:	0.096	0.000
Hydrogen	H2:	0.005	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	1.360	0.000
Carbon Dioxide	CO2:	0.136	0.000
Methane	C1:	91.602	0.000
Ethane	C2:	3.395	0.908
Propane	C3:	1.322	0.364
Iso Butane	iC4:	0.226	0.074
Normal Butane	nC4:	0.486	0.153
Iso Pentane	iC5:	0.181	0.066
Normal Pentane	nC5:	0.193	0.070
Hexanes Plus	C6+:	0.998	0.435

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

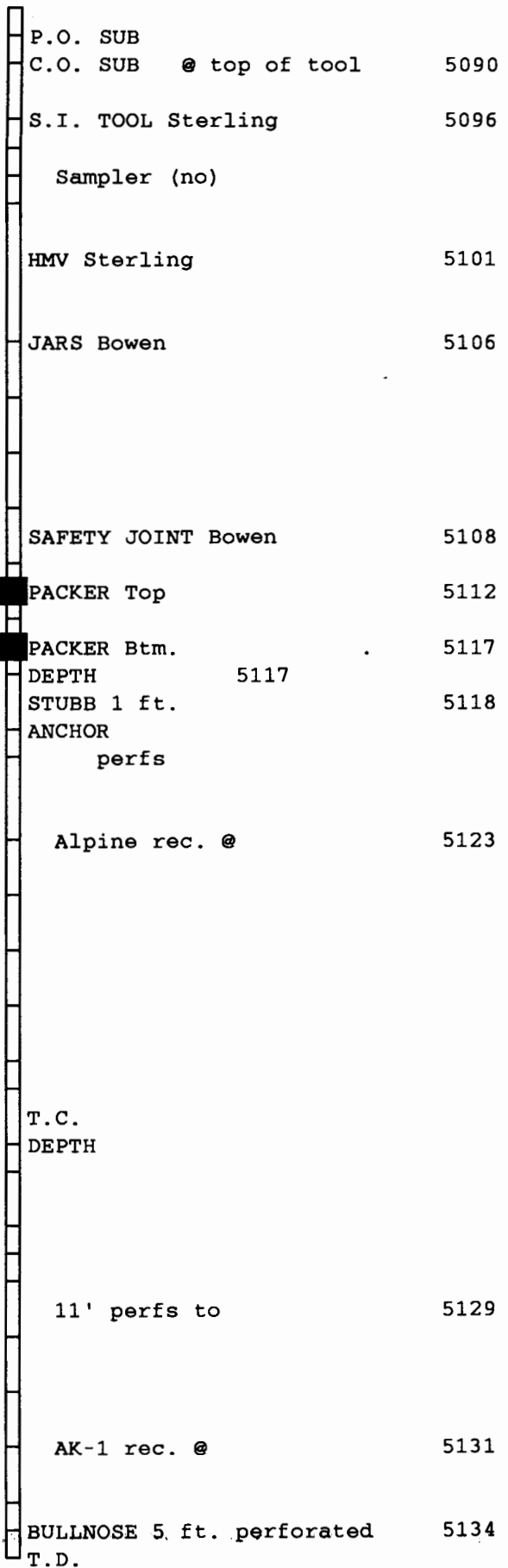
COMMENTS: 0.000

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1
 LOCATION : Sec.22 Twp.31s Rg.18w Ks
 CHECK No. 11581 D.S.T. No. 3 DATE 01-14-99
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 27
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 17
 TOTAL TOOL 44
 HILL COLLAR ANCHOR IN INTERVAL
 C. ANCHOR STND.Stands Single Total
 P. ANCHOR STND.Stands Single Total
 TOTAL ASSEMBLY 44
 C. ABOVE TOOLS.Stands5 Single Total 295
 P. ABOVE TOOLS.Stands76 Single Total 4825
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5164
 TOTAL DEPTH 5134
 TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:
 Comments:

FLUID SAMPLER DATA (not run)
 GAS-----
 OIL----- ML.
 W.D----- ML.
 WATER----- ML.
 OTHER-----
 PRESSURE----- PSI
 V----- ohms @ deg. F.
 FLORIDES----- ppm.
 GRAVITY-----n/a deg.API



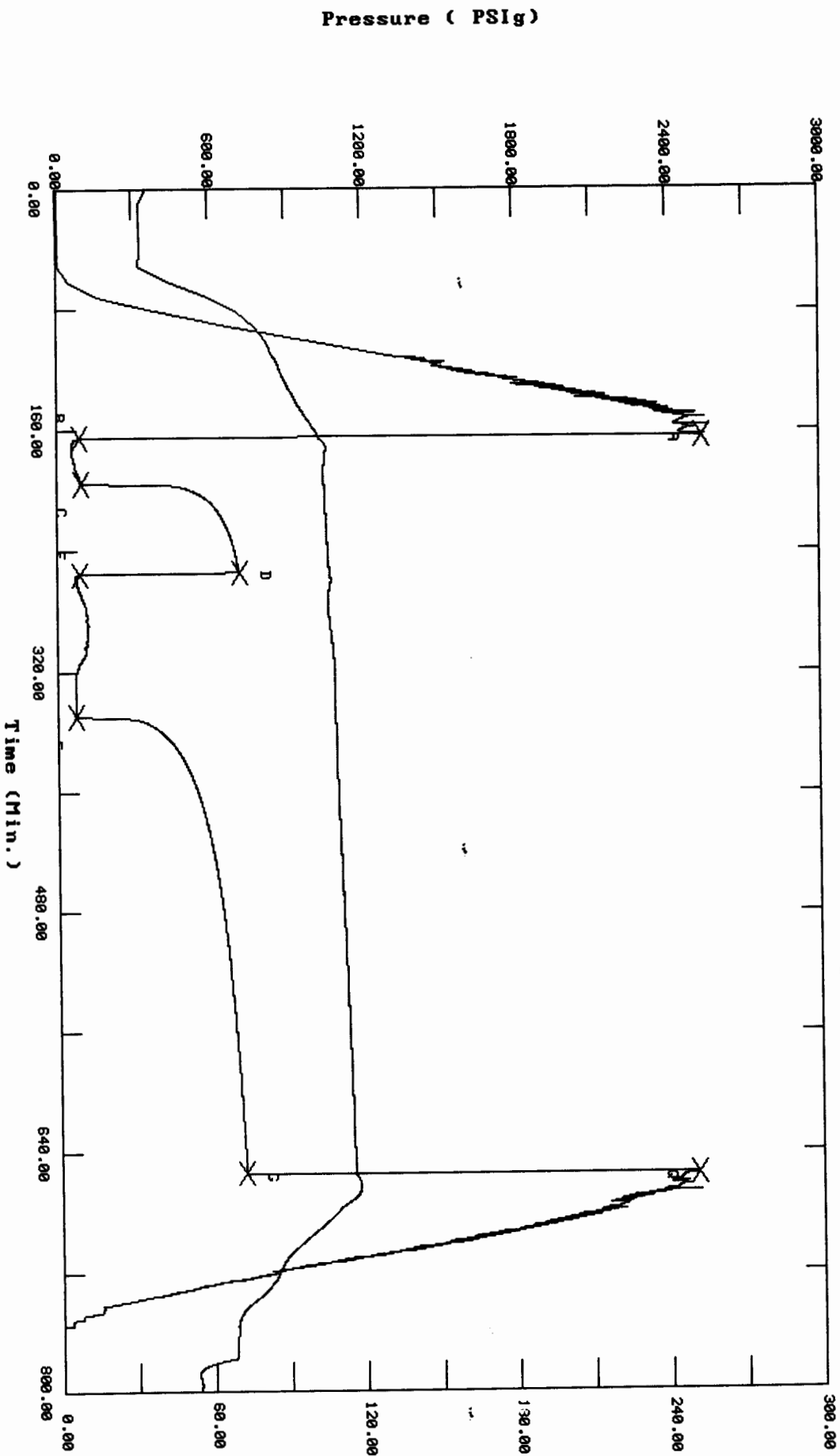
P.O. SUB
 C.O. SUB @ top of tool 5090
 S.I. TOOL Sterling 5096
 Sampler (no)
 HMV Sterling 5101
 JARS Bowen 5106
 SAFETY JOINT Bowen 5108
 PACKER Top 5112
 PACKER Btm. 5117
 DEPTH 5117
 STUBB 1 ft. 5118
 ANCHOR perfs
 Alpine rec. @ 5123
 T.C. DEPTH
 11' perfs to 5129
 AK-1 rec. @ 5131
 BULLNOSE 5. ft. perforated 5134
 T.D.

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

TEST HISTORY

Flag Points

t (Min.)	P (PSig)
R: 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

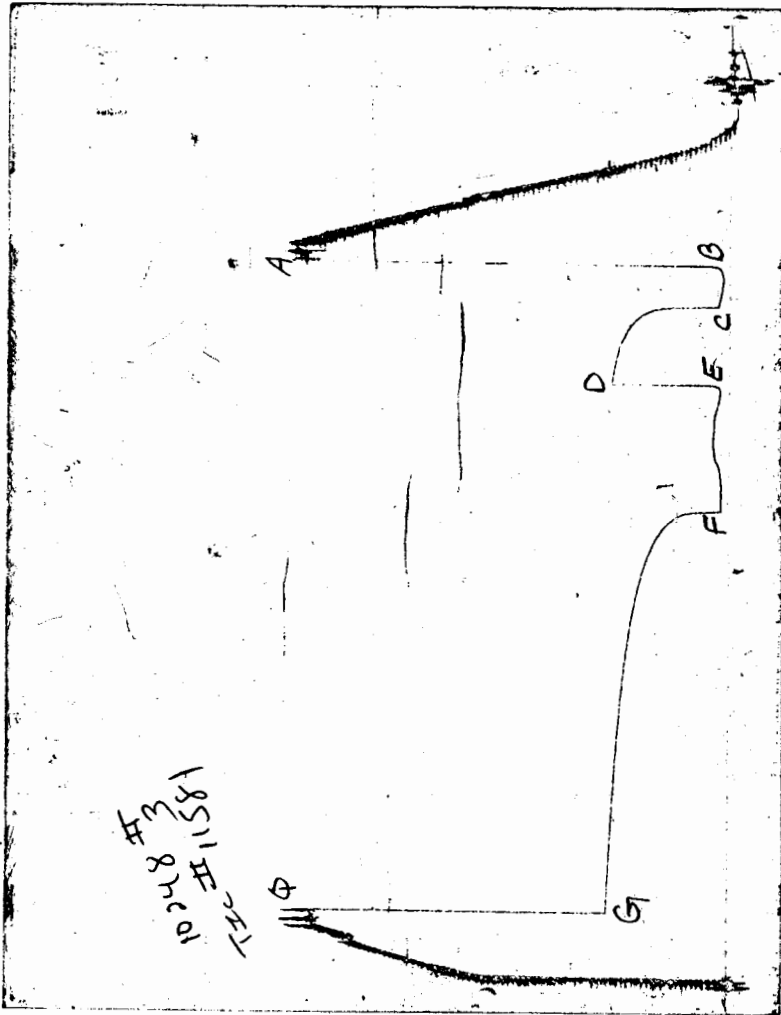


Pressure (PSig)

Time (Min.)

Temperature (DEG F)

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 11581

Well Name & No. Boysen #1 Test No. 3 Date 1-14-99
 Company Woolsey Petr. Corp. Zone Tested MISS.
 Address 125 N. MARKET ST., 1000, WICHITA, KS. 67202 Elevation 2173 KB 2100 GL
 Co. Rep / Geo. STEVE MILLER Cont. DUKE DIRLIG #7 Est. Ft. of Pay 10 Por. 12 %
 Location: Sec. 22 Twp. 31^S Rge. 18^W Co. COMANCHE 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 4 Ft. Run 4805
 Blow Description IF: Strong blow, GTS in 5 mins. (see gas volume report)
FF: Strong blow. (see gas volume report) FSI: Weak blow back 2 (1/4")
FF: Strong blow. (see gas volume report) FSI: Weak blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>215</u>	<u>Yes.</u>	<u>215</u>	<u>—</u>
Rec. <u>150</u> Feet Of <u>Dry Mud.</u>	%gas	%oil	%water %mud
Rec. <u>65</u> Feet Of <u>S.O. & G.C.M.</u>	<u>6</u> %gas	<u>1</u> %oil	<u>93</u> %water <u>93</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>116</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>2</u> °F Chlorides <u>8,000</u> ppm Recovery Chlorides <u>8,000</u> ppm System			

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2486</u>	<u>2536</u>	<u>alp.</u>	<u>2342</u>	<u>0230</u>
(B) First Initial Flow Pressure	<u>30</u>	<u>89</u>	PSI	(depth) <u>5123'</u>	T-Started <u>0256</u>
(C) First Final Flow Pressure	<u>57</u>	<u>93</u>	PSI	Recorder No. <u>10248</u>	T-Open <u>0540</u>
(D) Initial Shut-In Pressure	<u>683</u>	<u>716</u>	PSI	(depth) <u>5131'</u>	T-Pulled <u>1348</u>
(E) Second Initial Flow Pressure	<u>46</u>	<u>86</u>	PSI	Recorder No. <u>—</u>	T-Out <u>1600</u>
(F) Second Final Flow Pressure	<u>55</u>	<u>70</u>	PSI	(depth) <u>—</u>	T-Off Location _____
(G) Final Shut-in Pressure	<u>703</u>	<u>727</u>	PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2428</u>	<u>2507</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>
				Final Flow <u>96</u>	Safety Joint <u>✓</u> <u>50</u>
				Final Shut-in <u>300</u>	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. <u>✓</u> <u>150</u>
					Mileage _____
					Other <u>✓</u> <u>11 hrs 40</u>
					TOTAL PRICE <u>✓</u> <u>1260</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 01-15-99
 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 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

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

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/cf
 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

*** 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

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 47

DRILL 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:

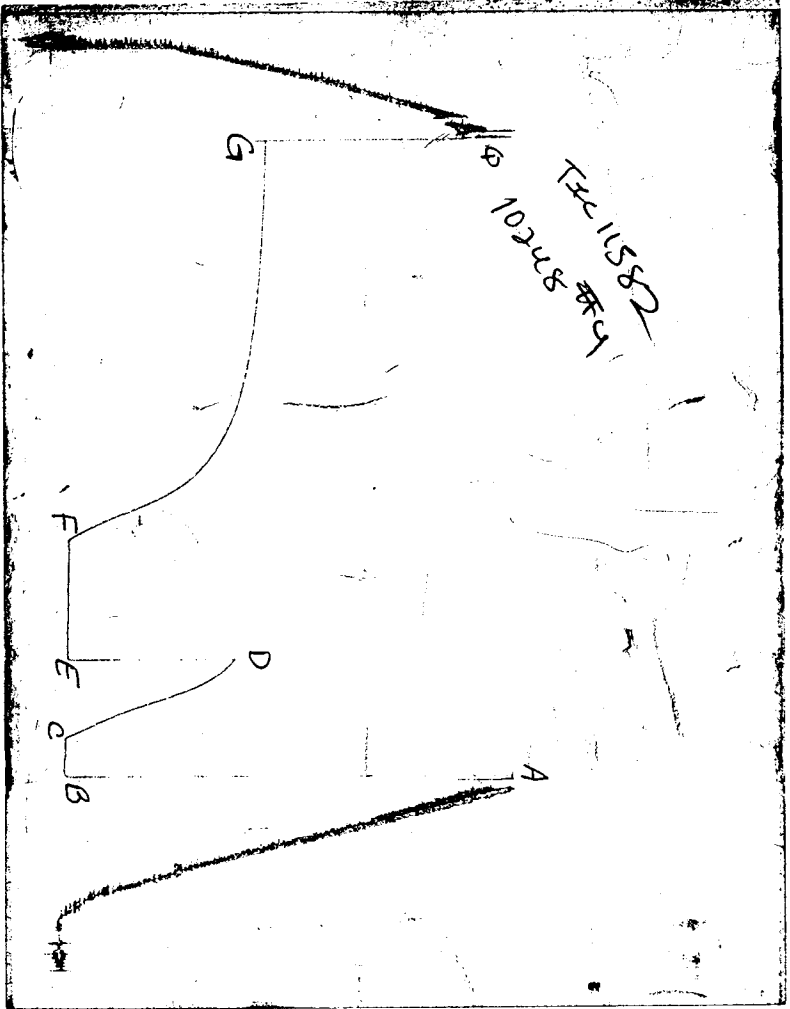
Comments:

FLUID SAMPLER DATA (not run)

AS-----
 IL----- ML.
 JD----- ML.
 WATER----- ML.
 THER-----
 PRESSURE----- PSI
 W ----- ohms @ deg. F.
 CHLORIDES----- 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	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.	

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 11582

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 DRAG #7</u>	Est. Ft. of Pay <u>10</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) _____	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" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
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. Btm. of bucket in 4 mins</u> <u>ISI: No blow. FF: Strong below. Btm. of bucket</u> <u>in 10 sec. FSI: No blow.</u>		

Recovery — Total Feet <u>130</u>	GIP <u>1055</u>	Ft. in DC <u>130</u>	Ft. in DP <u>2</u>
Rec. <u>10</u> Feet Of <u>60CM.</u>	<u>15</u> %gas <u>30</u> %oil	%water <u>55</u> %mud	
Rec. <u>60</u> Feet Of <u>60CM</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>2</u>	°F Corrected Gravity <u>N/A</u>	°API _____
RW <u>N.C.</u> @ <u>2</u> °F Chlorides <u>10,000</u>	ppm Recovery Chlorides <u>10,000</u>	ppm System _____	

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2625</u>	<u>2579</u>	<u>alp.</u>	<u>2342</u>	<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 <input checked="" type="checkbox"/> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2470</u>	<u>2481</u>	PSI	Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
				Final Flow <u>90</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
				Final Shut-in <u>300</u>	Straddle _____
				<u>4</u>	Circ. Sub _____
				<u>7</u>	Sampler _____
					Extra Packer _____
					Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
					Mileage _____
					Other TIME <input checked="" type="checkbox"/> <u>13hrs. 120</u>
					TOTAL PRICE \$ <u>1320</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 01-17-99
 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	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 114000.00 lbs
						Initial Str Wt 97000.00 lbs
						Unseated Str Wt 98000.00 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 5199.00 ft

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
 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

Test Successful: Y

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/c
 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

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Boisseau #1
 LOCATION : Sec.22 Twp.31s Rg.18w Ks
 TICKET No. 11583 D.S.T. No. 5 DATE 01-17-99
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 27
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 15
 TOTAL TOOL 42
 WILL COLLAR ANCHOR IN INTERVAL
 C. ANCHOR STND.Stands Single Total
 P. ANCHOR STND.Stands Single : 31
 TOTAL ASSEMBLY 73
 C. ABOVE TOOLS.Stands5 Single Total 295
 P. ABOVE TOOLS.Stands84 Single Total 5199
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5567
 TOTAL DEPTH 5540
 TOTAL DRILL PIPE ABOVE K.B. 27
 MARKS:
 Comments:

FLUID SAMPLER DATA (not run)

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

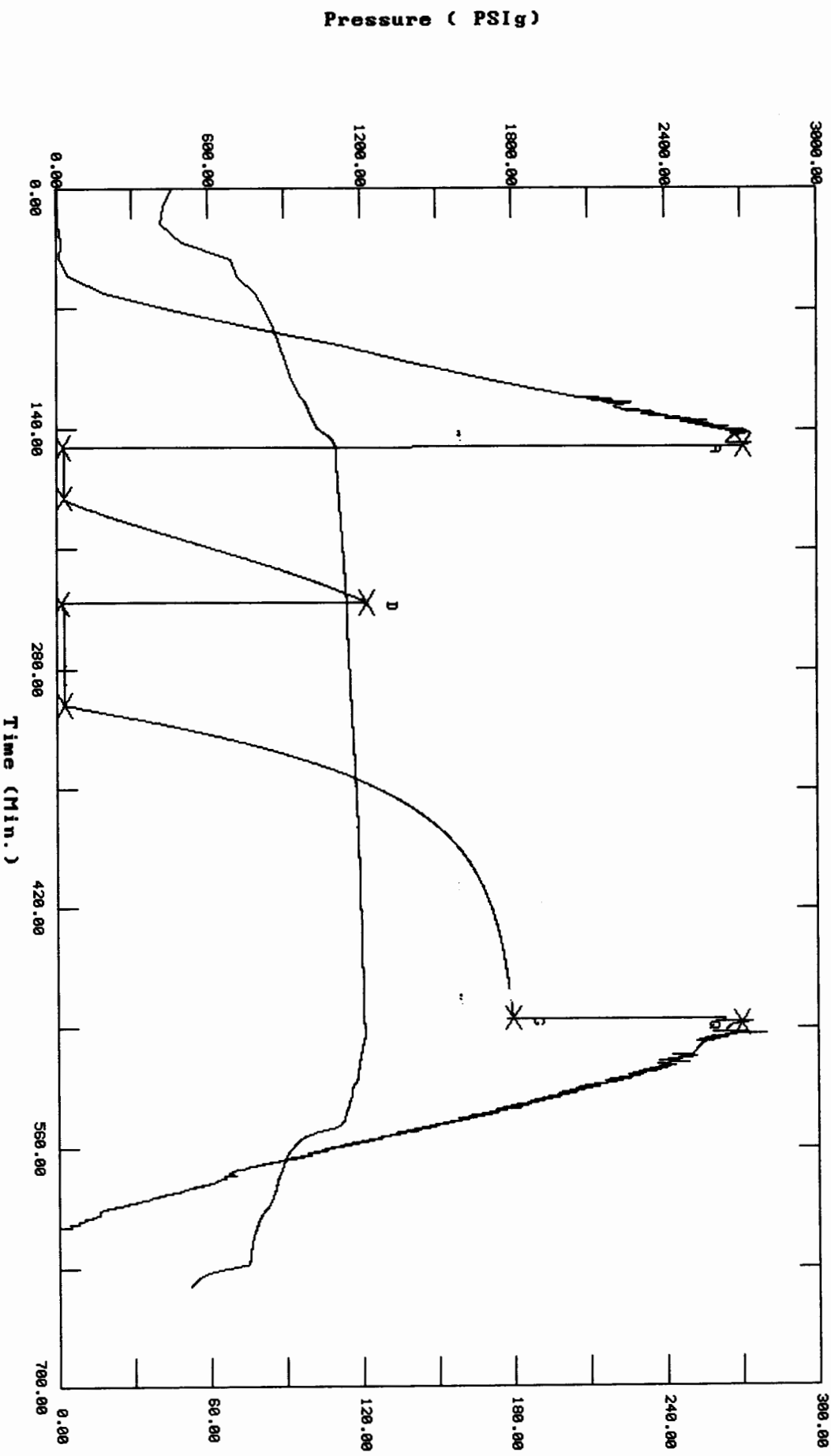
P.O. SUB	
C.O. SUB @ top of tool	5467
S.I. TOOL Sterling	5473
Sampler (no)	
HMV Sterling	5478
JARS Bowen	5483
SAFETY JOINT Bowen	5485
PACKER Top	5489
PACKER Btm.	5494
DEPTH 5494	
STUBB 1 ft.	5495
ANCHOR perfs	
Alpine rec. @	5500
7' perfs & sub to	5502
T.C. DEPTH	
1 jt pipe to	5533
2' perfs & sub to	5535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

TEST HISTORY

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

Flag Points

Flag Points	t (Min.)	P (PSig)
R	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

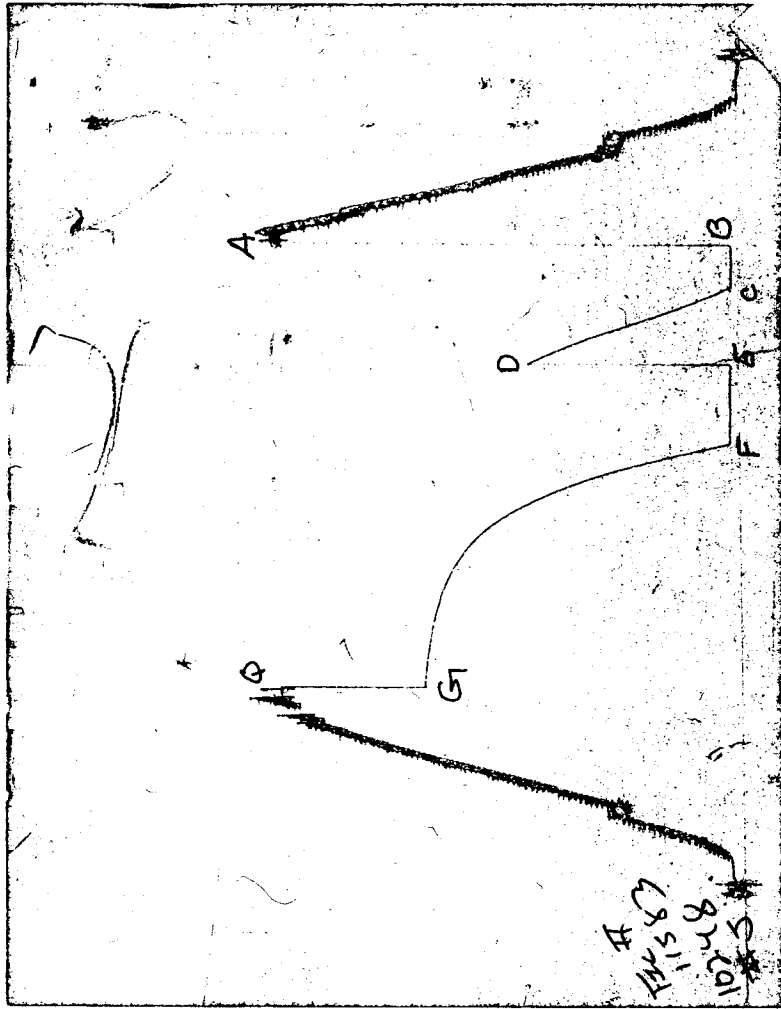


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

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>BOSSMAN #1</u>		Test No. <u>5</u>	Date <u>1-17-99</u>
Company <u>WOOLSEY PETRO. CORP.</u>		Zone Tested <u>VIOLA</u>	
Address <u>125 N. MARKET ST. 1,000 WICHITA, KS. 67202</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>	Ppr. <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>56</u> WL <u>9.2cc</u>	Drill Pipe Size <u>4 1/2" x H.</u>	Ft. Run <u>5199'</u>
Blow Description <u>FF: Weak to firm below. Slow increase to 10" air/H</u>		
<u>ISI: No blow.</u>		
<u>FE: Strong below. Bit of junk in 5 sec. 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>GCM.</u>	%gas <u>12</u>	%oil <u>—</u>	%water <u>88</u> %mud <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u> %mud <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u> %mud <u>—</u>
Rec. <u>—</u> Feet Of <u>—</u>	%gas <u>—</u>	%oil <u>—</u>	%water <u>—</u> %mud <u>—</u>
BHT <u>121</u> °F Gravity <u>N/A</u>	°API D@ <u>—</u>	°F Corrected Gravity <u>N/A</u>	°API <u>—</u>
RW <u>N.C.</u> @ <u>—</u> °F	Chlorides <u>9000</u> ppm	Recovery Chlorides <u>9000</u> ppm	System <u>—</u>

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2491</u>	<u>2712</u>	<u>2342</u>	<u>2342</u>	<u>0158</u>
(B) First Initial Flow Pressure	<u>46</u>	<u>22</u>	<u>—</u>	<u>5500'</u>	<u>0236</u>
(C) First Final Flow Pressure	<u>57</u>	<u>29</u>	<u>—</u>	<u>10248</u>	<u>0507</u>
(D) Initial Shut-In Pressure	<u>1220</u>	<u>1223</u>	<u>—</u>	<u>5537'</u>	<u>1039</u>
(E) Second Initial Flow Pressure	<u>44</u>	<u>16</u>	<u>—</u>	<u>—</u>	<u>1310</u>
(F) Second Final Flow Pressure	<u>55</u>	<u>29</u>	<u>—</u>	<u>—</u>	<u>1410</u>
(G) Final Shut-in Pressure	<u>1819</u>	<u>1798</u>	<u>—</u>	<u>30</u>	<u>800</u>
(Q) Final Hydrostatic Mud	<u>2460</u>	<u>2701</u>	<u>—</u>	<u>60</u>	<u>200</u>
				Final Flow <u>60</u>	Safety Joint <u>50</u>
				Final Shut-in <u>180</u>	Straddle <u>—</u>
					Circ. Sub <u>—</u>
					Sampler <u>—</u>
					Extra Packer <u>—</u>
					Elec. Rec. <u>150</u>
					Mileage <u>—</u>
					Other <u>Time 11 hrs 60</u>
					TOTAL PRICE \$ <u>1260</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
						Wt Pulled Loose 114000.00 lbs
						Initial Str Wt 98000.00 lbs
						Unseated Str Wt 104000.00 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 5262.00 ft

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

MUD DATA-----

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

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")

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

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

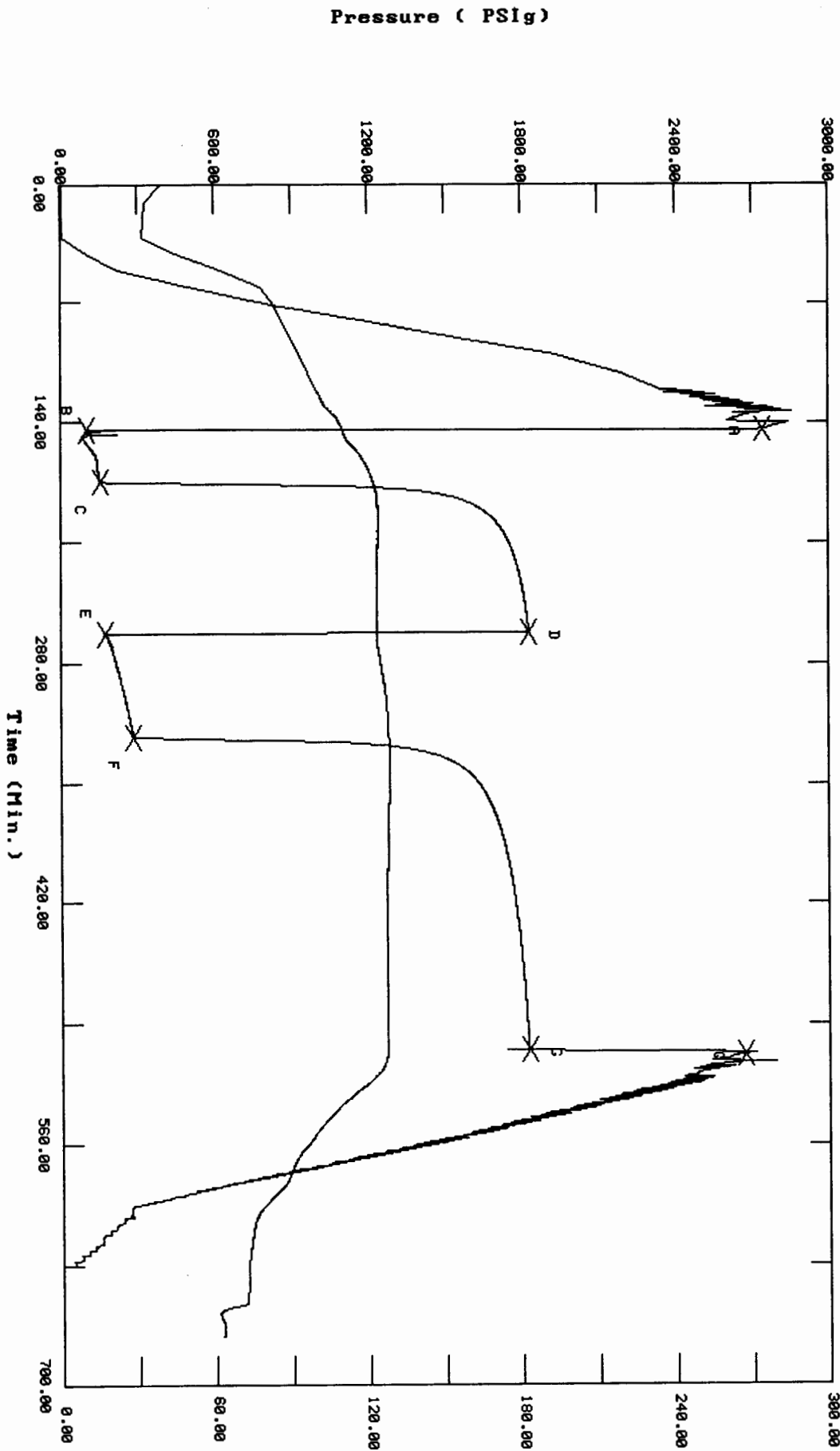
REMARKS:
Comments:

FLUID SAMPLER DATA (not run)

GAS-----
OIL----- ML.
MUD----- ML.
WATER----- ML.
OTHER-----
PRESSURE----- PSI
Rw ----- 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.		

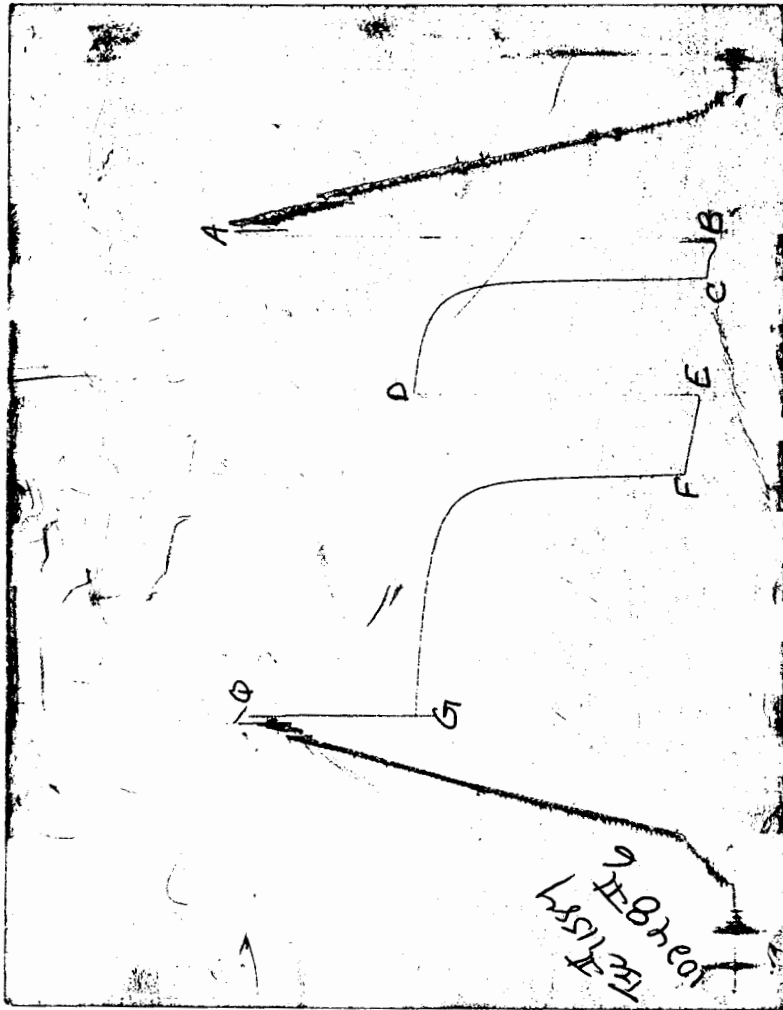
TEST HISTORY
 11584 DST#6 BOISSEAU #1 WOOLSEY PETL. CORP.



Flag Points

Flag	Time (Min.)	Pressure (PSig)
A	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
H	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. <u>Boissard #1</u>	Test No. <u>6</u>	Date <u>1-18-99</u>
Company <u>Woolsey Pet. Corp.</u>	Zone Tested <u>N201A</u>	
Address <u>Wichita Ks. 67202</u>	Elevation <u>2173</u> KB <u>2160</u> GL	
Co. Rep / Geo. <u>Steve Miller</u>	Cont. <u>Duke Dalg.</u> # <u>7</u>	Est. Ft. of Pay <u>12</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>5570 - 5606'</u>	Initial Str Wt./Lbs. <u>98,000</u>	Unseated Str Wt./Lbs. <u>104,000</u>
Anchor Length <u>36'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>14,000</u>
Top Packer Depth <u>5565</u>	Tool Weight <u>2100 #</u>	
Bottom Packer Depth <u>5570</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5606'</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>295</u>
Mud Wt. <u>9.1</u> LCM <u>5#</u> Vis. <u>59</u> WL <u>10.0</u> cc.	Drill Pipe Size <u>4 1/2" x 11'</u>	Ft. Run <u>5262'</u>
Blow Description <u>IF: Strong below, Btm. of bucket in 6 mins.</u>		
<u>ISI: Weak below. (1/2 - 2 1/2")</u>		
<u>FF: Strong below, Btm. of bucket in 6 mins.</u>		
<u>FSI: Weak below. (1/2 - 5")</u>		

Recovery — Total Feet <u>580</u>	GIP <u>30</u>	Ft. in DC <u>295</u>	Ft. in DP <u>285</u>
Rec. <u>100</u> Feet Of <u>50' GCM</u>	<u>18</u> %gas	<u>1</u> %oil	<u>81</u> %water
Rec. <u>185</u> Feet Of <u>50' GCMW</u>	<u>10</u> %gas	<u>1</u> %oil	<u>57</u> %water
Rec. <u>295</u> Feet Of <u>MW @ oil spec.</u>			<u>92</u> %water
Rec. _____ Feet Of _____	%gas	%oil	%water
Rec. _____ Feet Of _____	%gas	%oil	%water
BHT <u>128</u> °F Gravity <u>N/A</u>	°API D@ _____	°F Corrected Gravity <u>N/A</u>	°API _____
RW <u>oil @ 45</u> °F	Chlorides <u>87,000</u> ppm	Recovery Chlorides <u>9,000</u> ppm	System _____

(A) Initial Hydrostatic Mud <u>2801</u> AK-1	<u>2745</u> Alpine	PSI Recorder No. <u>2347</u>	T-On Location <u>0300</u>
(B) First Initial Flow Pressure <u>98</u>	<u>99</u>	PSI (depth) <u>5575'</u>	T-Started <u>0413</u>
(C) First Final Flow Pressure <u>149</u>	<u>153</u>	PSI Recorder No. <u>10248</u>	T-Open <u>0635</u>
(D) Initial Shut-in Pressure <u>1847</u>	<u>1831</u>	PSI (depth) <u>5603</u>	T-Pulled <u>1237</u>
(E) Second Initial Flow Pressure <u>202</u>	<u>175</u>	PSI Recorder No. _____	T-Out <u>1515</u>
(F) Second Final Flow Pressure <u>272</u>	<u>281</u>	PSI (depth) _____	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>2620</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 _____
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elec. Rec. <u>✓ 150</u>
			Mileage _____
			Other <u>TIME 1 hrs. 60</u>
			TOTAL PRICE \$ <u>1260</u>

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Approved By _____
 Our Representative Cory Woolsey

6 copies