

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

Operator: License # 31852  
Name: BONNEVILLE FUELS CORP.  
Address 1660 Lincoln Street, Ste 1800  
City/State/Zip Denver, CO 80264  
Purchaser: \_\_\_\_\_  
Operator Contact Person: R. A. Schwering, P.E.  
Phone (303) 863-1555 x 213  
Contractor: Name: White & Ellis Drilling, Inc.  
License: 5420  
Wellsite Geologist: Ron Nelson  
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 Workovers:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
6/9/97 6/17/97 6/18/97  
Spud Date Date Reached TD Completion Date Plugged

API NO. 15- 169-203150000  
County Saline  
SW - SE - NE Sec. 4 Twp. 16 Rge. 3 E  
XW  
2310 Feet from S/N (circle one) Line of Section  
800 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 Marilyn Johnson Well # 1  
Field Name Olsson  
Producing Formation \_\_\_\_\_  
Elevation: Ground 1290 KB 1295  
Total Depth 3556 PBSD \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 311 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

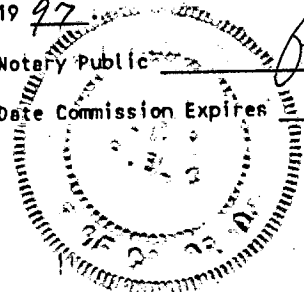
Drilling Fluid Management Plan D&A 9/19-97  
(Data must be collected from the Reserve Pit)  
Chloride content 3750 ppm Fluid volume 2500 bbls  
Dewatering method used Hauled to disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name Schulz Oil & Gas Inc  
Lease Name Carlin SWD License No. 5172  
1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990  
Quarter 24 Sec. 15 Twp. 15 S Rge. 3 E  
W  
County McPherson Docket No. D-21-339

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 R.A. Schwering  
Title Operations Manager R.A. Schwering Date 7/29/97  
Subscribed and sworn to before me this 29th day of July  
19 97  
Notary Public Ruth G. Tolson  
Date Commission Expires \_\_\_\_\_ My Commission Expires 02/06/2000

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



ORIGINAL

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_

Production Interval \_\_\_\_\_

**METHOD OF COMPLETION**

Estimated Production Per 24 Hours	Oil % Bbls.	Gas % Mcf	Water % Bbls.	Gas-Oil Ratio	Gravity
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Date of First, Resumed Production, SMD or Inj. **D&A**

Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

TUBING RECORD

Shots Per Foot	PERFORMANCE RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
Size	Set At	Packer At
Liner Run	Yes <input type="checkbox"/> No <input type="checkbox"/>	

Purpose:

Perforate	Protect Casing	Plug Back ID	Plug Off Zone
Depth	Type of Cement	#Sacks Used	Type and Percent Additives

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose of String	Size Hole drilled	Size Casing set (in O.D.)	Weight lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20	311	60/40 Poz	385	cc 4%; gel 2%
Conductor	17 1/2	13 3/8	48	128	60/40 Poz	135	cc 4%; gel 2%

CASING RECORD  New  Used

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

DIL CNL CAL/GR **ACOUSTIC/CALIPER**

List All E-Logs Run: \_\_\_\_\_

Electric Log Run  Yes  No

Cores Taken  Yes  No

Samples Sent to Geological Survey  Yes  No

Drill Stem Tests Taken  Yes  No

(Attach Additional Sheets.)

Name \_\_\_\_\_ Datum \_\_\_\_\_

Log  Formation (Top), Depth and Datums  Sample \_\_\_\_\_

See Attached

**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.

Lease Name Marilyn Johnson Well # 1

County Saline

East  West

Sec. 4 Twp. 16 Rge. 3

BONNEVILLE FUELS CORP. Operator Name



JOB LOG

TICKET #	0315-7	TICKET DATE	6-18-99
REGION	North America	BDA / STATE	Mo.
NWA/COUNTRY	Mis - Continent	COUNTY	Johnson
MBU ID / EMP #	475050 / 475050	PSL DEPARTMENT	Cementing
LOCATION	Elbow Springs / 47503	CUSTOMER REP / PHONE	
TICKET AMOUNT	3477.24	API / UWI #	
WELL LOCATION		DEPARTMENT	Cementing
LEASE / WELL #	Johnson #1	JOB PURPOSE CODE	115
		SEC / TWP / RNG	4-10-3

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS

ORIGINAL

CHART NO	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				I	C	TOP	CSG	
6-17-97	2140							Called out Job ready now
6-18-97	0110							ON Loc. - Crew working on Rotary Table - Setup - Soften mud - Rig Start DP in hole
	0150							DP @ 3555' - Rig Circ. - hole
	0257							Finish Circ. - Hook up to DP
	0330							Start 15 bbl. water spacer
	0333	4.0	15.0			125		Start mixing 35 sks. 40/60 Bz. 4% Gel
	0339	3.8	9.2			125		Finish mixing - Start 25.2 bbl. water spacer
	0347	3.8	3.2			50		Rig pump mud disp.
	0349		42.8					Plug down - Rig lay down DP
	0355							DP @ 360' - Rig Circ. & fill hole
	0650							Start 8 bbl. water spacer
	0657	3.5	8.0			25		Start mixing 35 sks. 40/60 Poz. 4% Gel
	0700	3.5	9.2			25		Finish mixing - Start water spacer & disp.
	0704	3.5	2.8			0		Plug down - Rig lay down DP
	0705					0		DP out of hole - Rig Crew Break & lay down Kelly & Swivel
	0723							Fill hole to 60'
	0751		6.6			0		Start mixing 25 sks. 40/60 4% Gel
	0754					0		60 Ft. Plug Down
	0757		3.9			0		Start mixing 15 sks. for Rat hole
	0759					0		Rat hole Plugged
	0800					0		Plug down
	0830							Wash up - Rack up - Complete trts. Job Completed

Thank you  
Elbow, Nick, Lyle

# ALLIED CEMENTING CO., INC. 5715

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

## ORIGINAL

SERVICE POINT: Russell

DATE <u>6-10-97</u>	SEC <u>4</u>	TWP. <u>16</u>	RANGE <u>3</u>	CALLED OUT <u>2:00 Am</u>	ON LOCATION <u>4:30 Am</u>	JOB START	JOB FINISH <u>1:30 PM</u>
LEASE <u>Johnson</u>		WELL # <u>1</u>	LOCATION <u>Salemburg</u>			COUNTY <u>Saline</u>	STATE <u>Ka</u>

OLD OR NEW (Circle one) NEW

CONTRACTOR White & Ellis Pds

TYPE OF JOB Surface

HOLE SIZE 17 1/2 T.D.

CASING SIZE 8 3/8 DEPTH 311'

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 311

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 43'

PERFS.

OWNER \_\_\_\_\_ CEMENT

AMOUNT ORDERED 200 bags @ \$2

COMMON	<u>120</u>	@	<u>6.10</u>	<u>732.00</u>
POZMIX	<u>80</u>	@	<u>3.15</u>	<u>252.00</u>
GEL	<u>4</u>	@	<u>95.00</u>	<u>380.00</u>
CHLORIDE	<u>8</u>	@	<u>28.00</u>	<u>224.00</u>
		@		
		@		
		@		
		@		
HANDLING		@	<u>1.05</u>	<u>210.00</u>
MILEAGE <u>79m</u>		@	<u>04</u>	<u>632.00</u>

RECEIVED CEMENT

TOTAL 2088.00

### EQUIPMENT

PUMP TRUCK CEMENTER Bill

# 221 HELPER Row

BULK TRUCK DRIVER

# \_\_\_\_\_ DRIVER

BULK TRUCK DRIVER Darin

# 291 DRIVER

### REMARKS:

Ran 7 hrs 8 3/8

WT C 311'

Cem. of 150 displace 17 bbls

150 cks.

Ran 2" to 2 1/2" Cement of

50 bags C.A. to Surface

### SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>79m</u>	@	<u>2.85</u>	<u>225.15</u>
PLUG <u>WOOD 8 3/8</u>	@		<u>45.00</u>
	@		
	@		

TOTAL 715.15

White + Ellis  
P.O. Box 48848  
Wichita Kan. 67201-8848

CHARGE TO: Bonacville Fuels Corp.

STREET 1660 Lincoln - Suite 1800

CITY Denver STATE Co. ZIP 80264

### FLOAT EQUIPMENT

<u>2 BASKETS</u>	@	<u>200.00</u>	<u>400.00</u>
<u>1 Baffleplate</u>	@		<u>135.00</u>
	@		
	@		

TOTAL 535.00

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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

SIGNATURE Donald A. Deard Rtg #8

# ALLIED CEMENTING CO., INC. 5481

*conductor*

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

ORIGINAL

SERVICE POINT: Russell

DATE <u>6-9-97</u>	SEC. <u>4</u>	TWP. <u>16</u>	RANGE <u>3</u>	CALLED OUT <u>10:30 AM</u>	ON LOCATION <u>11:45 AM</u>	JOB START <u>1:30 PM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>MARILYN JOHNSON</u>		WELL # <u>1</u>		LOCATION <u>ASSARIA EXIT - T-35 2W</u>		COUNTY <u>SALINE</u>	STATE <u>KANSAS</u>
OLD OR <u>NEW</u> (Circle one)				<u>1 N 1/2 W 1/2 S</u>			

CONTRACTOR WHITE & ELLIS DRIG. Rig#

TYPE OF JOB CONDUCTOR STRING

HOLE SIZE 17 1/2 T.D. 128'

CASING SIZE 13 3/8 DEPTH 128

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE  SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 5'

~~PERES:~~ 20/BBL

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 135 SK 60/140 2% Gel  
4% cc

COMMON	<u>81</u>	@	<u>6.10</u>	<u>494.10</u>
POZMIX	<u>54</u>	@	<u>3.15</u>	<u>170.10</u>
GEL	<u>2</u>	@	<u>9.50</u>	<u>19.00</u>
CHLORIDE	<u>6</u>	@	<u>28.00</u>	<u>168.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER John

# 221 HELPER Ron

BULK TRUCK

# 291 DRIVER Bill L.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING @ 1.25 141.75

MILEAGE 42/Sk/1 1.40 421.20

TOTAL 1414.15

RECEIVED  
KANSAS CORP COMM  
P 11:05

**REMARKS:**

Cement Lin

THANK'S

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 445.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 78 @ 2.85 222.30

PLUG 1-13 3/8 wooden @ \_\_\_\_\_ 70.00

CHARGE TO: BONEVILLE FUEL'S CORP.

STREET 1660 Lincoln Suite 1800

CITY Denver STATE Co ZIP 80264

**FLOAT EQUIPMENT**

1-13 3/8 BASKET @ \_\_\_\_\_ 277.00

Good Job

Ray

TOTAL \$ 277.00

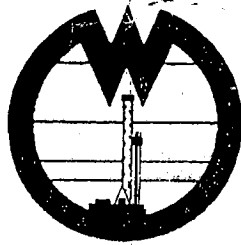
To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS"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

SIGNATURE Al Johnson

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



ORIGINAL

**WHITE**

15-169-20315-00-00

AND ELLIS DRILLING, Inc.

DRILLERS LOG

Operator: Bonneville Fuels Corp.  
1660 Lincoln Street - Suite 1800  
Denver, CO 80264

Contractor: White & Ellis Drilling, Inc.  
P. O. Box 48848  
Wichita, KS 67201-8848

RECEIVED  
KANSAS CORP COMM  
1997 AUG -8 P 11:05

Lease Name Marilyn Johnson Well No. 1

Spot SW SE NE Section 4 Township 16S Range 3W

County Saline State Kansas

Casing Record:  
Conductor 13 3/8" 128' 135 sx.  
Surface: 8 5/8" @ 311' with 335 sx.

Production: \_\_\_\_\_ @ \_\_\_\_\_ with \_\_\_\_\_

Type Well: D&A Total Depth 3555'

Drilling Commenced: 6-9-97 Drilling Completed: 6/17/97

<u>Formation</u>	<u>From</u>	<u>To</u>	<u>Log</u>	<u>Tops</u>
Brown Lime	2120'	2147'		2120'
LaSang				2147'
Kansas City				2338'
Ft. Scott				2629'
Cherokee				2674'
Warsaw				2804'
Osage				2883'
Gilmere City				2998'
Kinerhook				3042'
Hunton				3208'
Maquoketa Shale				3228'
Maquoketa Dolomite				3276'
Viola				3339'
Simposn				3423'
Arbuckle				3498'

Drillers Total Depth WLTD - @ 3555'

RECEIVED  
KANSAS CORP COMM  
1997 JUL 16 A 11:11

15-169-20315 -00-00

**WELL NAME:** Marylyn Johnson #1  
**COMPANY:** Bonneville Fuels Corp  
**LOCATION:** 4-16S-3W  
Saline County Kansas  
**DATE:** 06/20/97

**ORIGINAL**

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp  
 WELL NAME: Marylyn Johnson #1  
 LOCATION : 4-16S-3W  
 INTERVAL : 3277.00 To 3293.00 ft

DATE 6/15/97

KB 1295.00 ft TICKET NO: 10023 DST #1  
 GR 1290.00 ft FORMATION: Maquoketa DOL  
 TD 3293.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	10332			PF Fr. 0230 to 0245 hr
SI 30 Range (Psi )	4200.0	4200.0	4025.0	0.0	0.0	IS Fr. 0245 to 0315 hr
SF 60 Clock (hrs)	12 hr	12 hr	12 hr			SF Fr. 0315 to 0415 hr
FS 120 Depth (ft )	3290.0	3290.0	3283.0	0.0	0.0	FS Fr. 0415 to 0615 hr

	Field	1	2	3	4	
A. Init Hydro	1565.0	1628.0	0.0	0.0	0.0	T STARTED 0130 hr
B. First Flow	21.0	37.0	0.0	0.0	0.0	T ON BOTM 0220 hr
B1. Final Flow	21.0	35.0	0.0	0.0	0.0	T OPEN 0230 hr
C. In Shut-in	853.0	878.0	0.0	0.0	0.0	T PULLED 0615 hr
D. Init Flow	21.0	36.0	0.0	0.0	0.0	T OUT 0815 hr
E. Final Flow	21.0	36.0	0.0	0.0	0.0	
F. Fl Shut-in	938.0	963.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1555.0	1539.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 21000.00 lbs

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP  
 10.00 ft of Heavy Oil Cut Mud  
 0.00 ft of 20%oil 80%mud  
 5.00 ft of Free Oil  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 1/2" in water

Initial Shut In:  
 Slight blow back

Final Flow:  
 No blow

Final Shut In:  
 No blow back

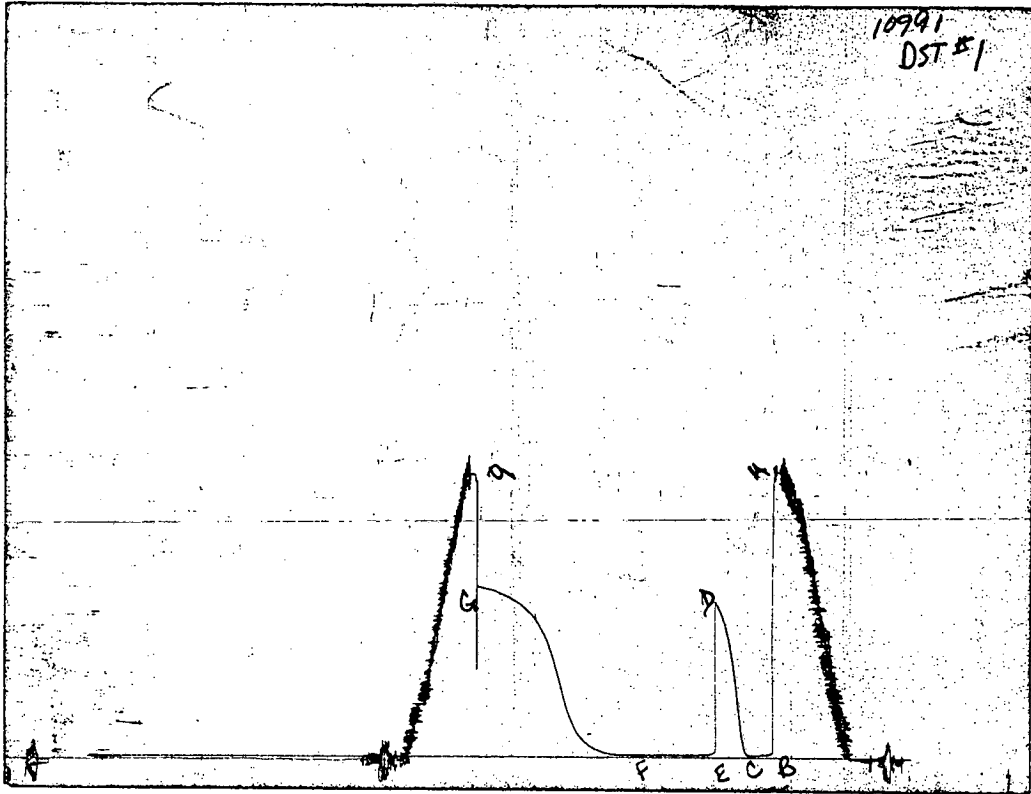
SAMPLES:  
 SENT TO:

Test Successful: Y

MUD DATA-----  
 Mud Type CHEMICAL  
 Weight 9.20 lb/c  
 Vis. 45.00 S/L  
 W.L. 9.60 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 112.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Darren Amerine  
 Co. Rep. Ron Nelson  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.



CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

N<sup>o</sup> 10023

Well Name & No. <u>Marilyn Johnson #1</u>		Test No. <u># 1</u>	Date <u>6/15/97</u>
Company <u>Bonneville Fuels Corp.</u>		Zone Tested <u>Maquoketa Dol.</u>	
Address <u>1660 Lincoln - Suite 1800 Denver Co.</u>		Elevation <u>1295' KB 1290' GL</u>	
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Whitehall's #8</u>	Est. Ft. of Pay	Por. %
Location: Sec. <u>4</u>	Twp. <u>16 S</u>	Rge. <u>3 W</u>	Co. <u>Saline</u> State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>—</u>	Turnkey (Y, N) <u>—</u>	Evaluation (Y, N) <u>—</u>

Interval Tested <u>3277' - 3293'</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>16'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>3272'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3277'</u>	Hole Size — <u>7 7/8"</u> <input checked="" type="checkbox"/>	Rubber Size — <u>6 3/4"</u> <input checked="" type="checkbox"/>
Total Depth <u>3293'</u>	Wt. Pipe Run	Drill Collar Run <u>30'</u>
Mud Wt. <u>9.2</u> LCMO# <u>—</u> Vis. <u>72</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3233'</u>

Blow Description TF: Weak Blow Built to 1/2 in. in H2O bucket  
TSI: slight blowback  
FF: No blow.  
FSI: No Blow Back

Recovery — Total Feet	GIP	Ft. in DC <u>15'</u>	Ft. in DP
Rec. <u>10'</u> Feet Of <u>HOCM</u>		%gas <u>20</u>	%oil <u>—</u> %water <u>80</u> %mud <u>—</u>
Rec. <u>5</u> Feet Of <u>Fine Oil</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>
Rec. <u>—</u> Feet Of <u>—</u>		%gas <u>—</u>	%oil <u>—</u> %water <u>—</u> %mud <u>—</u>

BHT 112° °F Gravity — °API D@ — °F Corrected Gravity — °API  
 RW — @ — °F Chlorides — ppm Recovery Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud <u>1565</u> PSI	Recorder No. <u>10332</u>	T-Started <u>1:30</u>
(B) First Initial Flow Pressure <u>21</u> PSI	(depth) <u>3283'</u>	T-Open <u>2:30</u>
(C) First Final Flow Pressure <u>21</u> PSI	Recorder No. <u>10991</u>	T-Pulled <u>6:15</u>
(D) Initial Shut-in Pressure <u>853</u> PSI	(depth) <u>3290'</u>	T-Out <u>8:15</u>
(E) Second Initial Flow Pressure <u>21</u> PSI	Recorder No. <u>—</u>	
(F) Second Final Flow Pressure <u>21</u> PSI	(depth) <u>—</u>	
(G) Final Shut-in Pressure <u>938</u> PSI	Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud <u>1555</u> PSI	Initial Shut-in <u>30</u>	Jars <u>—</u>
	Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
	Final Shut-in <u>120</u>	Straddle <u>—</u>
		Circ. Sub <u>—</u>
		Sampler <u>—</u>
		Extra Packer <u>—</u>
		Elect. Rec. <u>—</u>
		Other <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 Ron Nelson

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp  
 WELL NAME: Marylyn Johnson #1  
 LOCATION : 4-16S-3W Saline KS  
 INTERVAL : 3347.00 To 3360.00 ft

DATE 6/15/97

KB 1295.00 ft TICKET NO: 10024 DST #2  
 GR 1290.00 ft FORMATION: Viola  
 TD 3360.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	10332			PF Fr. 0630 to 0645 hr
SI 30 Range (Psi )	4200.0	4200.0	4025.0	0.0	0.0	IS Fr. 0645 to 0715 hr
SF 60 Clock (hrs)	12 hr	12 hr	12 hr			SF Fr. 0715 to 0815 hr
FS 120 Depth(ft )	3357.0	3357.0	3353.0	0.0	0.0	FS Fr. 0815 to 1015 hr

	Field	1	2	3	4	
A. Init Hydro	1610.0	1726.0	0.0	0.0	0.0	T STARTED 0530 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 0620 hr
B1. Final Flow	0.0	213.0	0.0	0.0	0.0	T OPEN 0630 hr
C. In Shut-in	1135.0	1230.0	0.0	0.0	0.0	T PULLED 1015 hr
D. Init Flow	71.0	93.0	0.0	0.0	0.0	T OUT 1130 hr
E. Final Flow	223.0	252.0	0.0	0.0	0.0	
F. Fl Shut-in	1115.0	1188.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1610.0	1656.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 43000.00 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 30.00 ft
						D.P. Length 3297.00 ft

RECOVERY

Tot Fluid 500.00 ft of 40.00 ft in DC and 460.00 ft in DP  
 25.00 ft of Free Oil  
 0.00 ft of  
 350.00 ft of Slightly Oily Mud Cut Water  
 0.00 ft of 2%oil 40%mud 88%water  
 125.00 ft of Heavy Mud Cut Water  
 0.00 ft of 40%mud 60%water  
 0.00 ft of  
 0.00 ft of RW .2 @ 70F  
 SALINITY 40000.00 P.P.M. A.P.I. Gravity 38.00

BLOW DESCRIPTION

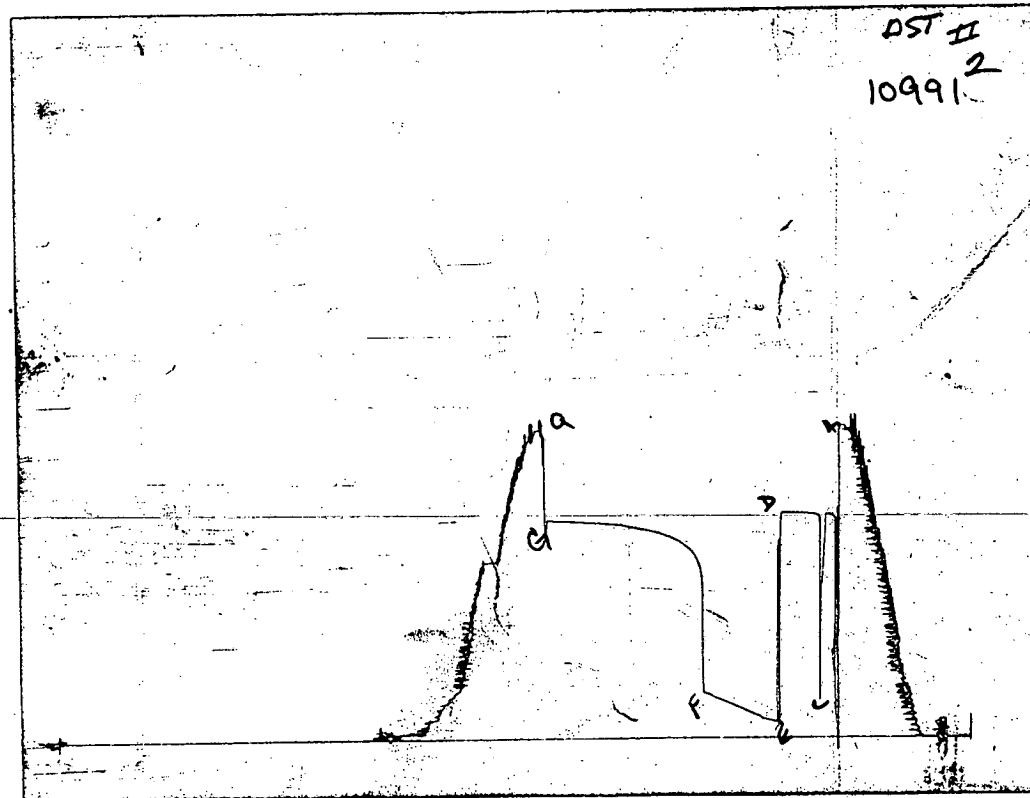
Initial Flow:  
 Fair blow, built ot 4" in Water  
 Initial Shut In:  
 Bled down for 10 mins no blow back  
 Final Flow:  
 Fair blow, bottom of bucket in 12 mins  
 Final Shut In:  
 Bled down for 10 Mins, built to 3" in water

SAMPLES:  
 SENT TO:

Test Successful: Y

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.30 lb/c  
 Vis. 40.00 S/L  
 W.L. 10.60 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 138.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Darren Amerine  
 Co. Rep. Ron Nelson  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.

CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10024

Well Name & No. <u>Maglyn Johnson #1</u>	Test No. <u>#2</u>	Date <u>6/15/97</u>
Company <u>Bonneville Fuels, Corp.</u>	Zone Tested <u>Viola</u>	
Address <u>1660 Lincoln - Suite 1800 Denver, CO 80264</u>	Elevation <u>1295</u>	KB <u>1290</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>White &amp; Ellis #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>4</u>	Twp. <u>16<sup>S</sup></u>	Rge. <u>3<sup>W</sup></u> Co. <u>Saline</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3347' - 3360' Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 43000  
Anchor Length 13' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 65000  
Top Packer Depth 3342' Tool Weight 2100  
Bottom Packer Depth 3347' Hole Size — 7 7/8" L Rubber Size — 6 3/4" L  
Total Depth 3360' Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 30'

Mud Wt. 9.3 LCM 0# Vis. 40 WL 10.6 Drill Pipe Size 4 1/2 X H Ft. Run 3297'  
Blow Description TF: Fair blow. Built to 4" in H2° bucket.  
IST: Bled down for 10 mins. No B.B.  
FF: Fair blow. Built to bottom of the bucket in 12 mins.  
FSL: Bled down for 10 mins. Built back to 3 in. in H2° bucket.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>25'</u>	Feet Of <u>Free oil</u>	<u>40</u>	<u>460'</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
Rec. <u>350</u>	Feet Of <u>MC Oily water</u>			<u>2</u>	<u>88</u>	<u>10</u>	<u>0</u>
Rec. <u>125</u>	Feet Of <u>HMCW</u>			<u>60</u>	<u>40</u>	<u>0</u>	<u>0</u>
Rec. _____	Feet Of _____						
Rec. _____	Feet Of _____						

BHT 138° °F Gravity 38 °API D@ 80 °F Corrected Gravity \_\_\_\_\_ °API

RW .2 @ 70 °F Chlorides 40000 ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 1610 PSI Recorder No. 10332 T-Started 5:30  
(B) First Initial Flow Pressure \_\_\_\_\_ PSI (depth) 3353' T-Open 6:30  
(C) First Final Flow Pressure \_\_\_\_\_ PSI Recorder No. 10991 T-Pulled 10:15  
(D) Initial Shut-in Pressure 1135 PSI (depth) 3357' T-Out 11:50  
(E) Second Initial Flow Pressure 71 PSI Recorder No. \_\_\_\_\_  
(F) Second Final Flow Pressure 223 PSI (depth) \_\_\_\_\_  
(G) Final Shut-in Pressure 1115 PSI Initial Opening 15 Test ✓  
(H) Final Hydrostatic Mud 1610 PSI Initial Shut-in 30 Jars \_\_\_\_\_

Final Flow 60 Safety Joint ✓  
Final Shut-in 120 Straddle \_\_\_\_\_  
Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Elect. Rec. \_\_\_\_\_  
Other \_\_\_\_\_

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Approved By [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels, Corp.  
 WELL NAME: Marylyn Johanson #1  
 LOCATION : Sec.4 Twp.16s Rge.3w  
 INTERVAL : 3462.00 To 3495.00 ft

DATE 6/17/97

KB 1295.00 ft TICKET NO: 10024 DST #3  
 GR 1290.00 ft FORMATION: Simpson sand  
 TD 3560.00 ft TEST TYPE: CONV/STRAD

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13849	13849	2350	10991		PF Fr. 1438 to 1453 hr
SI 30 Range(Psi )	4375.0	4375.0	4995.0	4200.0	0.0	IS Fr. 1453 to 1523 hr
SF 45 Clock(hrs)	12hr.	12hr.	Elec	12hr.		SF Fr. 1523 to 1613 hr
FS 90 Depth(ft )	3503.0	3503.0	3473.0	3557.0	0.0	FS Fr. 1613 to 1738 hr

	Field	1	2	3	4	
A. Init Hydro	1733.0	1815.0	1714.0	1776.0	0.0	T STARTED 1249 hr
B. First Flow	66.0	88.0	73.0	0.0	0.0	T ON BOTM 1435 hr
B1. Final Flow	379.0	400.0	359.0	0.0	0.0	T OPEN 1438 hr
C. In Shut-in	1438.0	1470.0	1410.0	0.0	0.0	T PULLED 1738 hr
D. Init Flow	422.0	420.0	448.0	0.0	0.0	T OUT 2030 hr
E. Final Flow	1051.0	1151.0	1119.0	0.0	0.0	
F. Fl Shut-in	1427.0	1467.0	1411.0	0.0	0.0	
G. Final Hydro	1797.0	1772.0	1705.0	1745.0	0.0	
Inside/Outside	O	O	I	S		

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	78000.00 lbs
Initial Str Wt	47000.00 lbs
Unseated Str Wt	64000.00 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	30.00 ft
D.P. Length	3484.00 ft

RECOVERY

Tot Fluid 2640.00 ft of 30.00 ft in DC and 2610.00 ft in DP  
 120.00 ft of Watery Mud  
 0.00 ft of 2%water 98%mud  
 2400.00 ft of Salt Water  
 0.00 ft of  
 120.00 ft of Drilling Mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 SALINITY 60000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/c
Vis.	60.00 S/L
W.L.	9.60 in3
F.C.	0.32 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:  
 Strong blow, bottom of bucket in 4 min

Initial Shut In:  
 Bled down, Weak blow back

Final Flow:  
 Strong blow, bottom of bucket in 75sec

Final Shut In:  
 No blow back

SAMPLES:  
 SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Ron Nelson
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV/STRAD

WELL NAME: Marylyn Johonson #1

LOCATION : Sec.4 Twp.16s Rge.3w

TICKET No. 10024 D.S.T. No. 3 DATE 6/17/97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27'

INTERVAL TOOL ..... 10'

BOTTOM PACKERS AND ANCHOR ..... 33'

TOTAL TOOL ..... 70'

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 60'

TOTAL ASSEMBLY ..... 130'

D.C. ABOVE TOOLS.Stands Single 1 Total 30'

D.P. ABOVE TOOLS.Stands56 Single 1 Total 3424

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3584'

TOTAL DEPTH ..... 3560'

TOTAL DRILL PIPE ABOVE K.B. .... 24'

REMARKS:

Fluid reversed out at 19 stands out.

P.O. SUB	
C.O. SUB Top of tool@	3439'
S.I. TOOL	3444'
HMV	3449'
JARS	3451'
SAFETY JOINT	3453'
PACKER Top	3457'
PACKER Bottom	3462'
DEPTH	
STUBB 1'stubb to	3463'
ANCHOR 5'perfs to	3468'
Alpine rec.@ 3473	
	3468'
22' of per	3490'
1'blank off	3491'
T.C.	
DEPTH	
PACKER 3495'	3495'
1'c/o	3496'
Ak-1 Rec @ 3503	
60' drill pipe to	3556'
	3556'
ak-1 rec.@ 3557'	
1'c/o	3557'
BULLNOSE 3'bullnose to	3560'
T.D.	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.  
 DATE: 06/17/97 TIME: 12:50:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	105.00	1714.7	0.0	105.28		
***** Start Flow 1	0.00	72.5	0.0	105.29		
	0.50	94.2	21.7	105.33		
	1.00	115.0	42.5	105.36		
	1.50	137.1	64.6	105.38		
	2.00	131.8	59.3	105.40		
	2.50	140.6	68.1	105.43		
	3.00	164.1	91.6	105.44		
	3.50	161.2	88.7	105.47		
	4.00	175.0	102.5	105.51		
	4.50	161.0	88.5	105.59		
	5.00	183.8	111.3	105.70		
	5.50	224.7	152.2	105.84		
	6.00	245.1	172.6	105.99		
	6.50	256.4	183.9	106.15		
	7.00	222.6	150.1	106.33		
	7.50	285.7	213.2	106.51		
	8.00	228.1	155.6	106.70		
	8.50	314.6	242.0	106.91		
	9.00	316.1	243.6	107.18		
	9.50	331.8	259.3	107.55		
	10.00	340.2	267.6	108.03		
	10.50	331.7	259.2	108.59		
	11.00	365.9	293.4	109.17		
	11.50	371.7	299.2	109.78		
	12.00	384.1	311.6	110.38		
	12.50	396.0	323.5	110.95		
	13.00	393.2	320.7	111.49		
***** End Flow 1	13.50	359.4	286.9	111.99		
***** Start Shutin 1	0.00	359.4	0.0	111.99	0.0000	0.129
	0.50	1420.0	1060.6	112.46	28.0000	2.016
	1.00	1414.6	1055.2	112.87	14.5000	2.001
	1.50	1408.1	1048.8	113.24	10.0000	1.983
	2.00	1408.6	1049.3	113.58	7.7500	1.984
	2.50	1408.9	1049.5	113.87	6.4000	1.985
	3.00	1409.1	1049.8	114.11	5.5000	1.986
	3.50	1409.6	1050.2	114.31	4.8571	1.987
	4.00	1409.6	1050.3	114.50	4.3750	1.987
	4.50	1409.9	1050.5	114.65	4.0000	1.988
	5.00	1410.1	1050.7	114.75	3.7000	1.988
	5.50	1410.2	1050.9	114.85	3.4545	1.989
	6.00	1410.4	1051.1	114.92	3.2500	1.989
	6.50	1410.5	1051.2	114.99	3.0769	1.990
	7.00	1410.5	1051.2	115.04	2.9286	1.990
	7.50	1410.7	1051.3	115.09	2.8000	1.990
	8.00	1410.8	1051.4	115.12	2.6875	1.990
	8.50	1410.8	1051.4	115.16	2.5882	1.990
	9.00	1410.8	1051.4	115.18	2.5000	1.990
	9.50	1410.9	1051.5	115.18	2.4211	1.991
	10.00	1410.9	1051.5	115.19	2.3500	1.991
	10.50	1410.9	1051.6	115.21	2.2857	1.991



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING  
 TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.  
 DATE: 06/17/97 TIME: 12:50:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
11.00	1410.9	1051.6	115.22	2.2273	1.991
11.50	1411.0	1051.7	115.22	2.1739	1.991
12.00	1411.0	1051.7	115.23	2.1250	1.991
12.50	1410.9	1051.6	115.22	2.0800	1.991
13.00	1410.9	1051.6	115.23	2.0385	1.991
13.50	1410.9	1051.6	115.22	2.0000	1.991
14.00	1410.9	1051.6	115.22	1.9643	1.991
14.50	1411.1	1051.7	115.22	1.9310	1.991
15.00	1411.1	1051.7	115.22	1.9000	1.991
15.50	1411.0	1051.7	115.21	1.8710	1.991
16.00	1410.9	1051.5	115.20	1.8438	1.991
16.50	1411.0	1051.6	115.18	1.8182	1.991
17.00	1411.1	1051.7	115.17	1.7941	1.991
17.50	1411.1	1051.7	115.16	1.7714	1.991
18.00	1411.1	1051.7	115.15	1.7500	1.991
18.50	1411.1	1051.7	115.13	1.7297	1.991
19.00	1411.0	1051.7	115.12	1.7105	1.991
19.50	1411.0	1051.7	115.12	1.6923	1.991
20.00	1411.0	1051.7	115.10	1.6750	1.991
20.50	1411.0	1051.7	115.09	1.6585	1.991
21.00	1411.2	1051.8	115.09	1.6429	1.991
21.50	1411.0	1051.7	115.07	1.6279	1.991
22.00	1411.0	1051.7	115.07	1.6136	1.991
22.50	1411.0	1051.7	115.05	1.6000	1.991
23.00	1411.0	1051.7	115.04	1.5870	1.991
23.50	1411.0	1051.7	115.03	1.5745	1.991
24.00	1411.0	1051.7	115.02	1.5625	1.991
24.50	1411.0	1051.7	115.01	1.5510	1.991
25.00	1411.0	1051.7	115.01	1.5400	1.991
25.50	1411.0	1051.7	115.00	1.5294	1.991
26.00	1411.0	1051.7	114.99	1.5192	1.991
26.50	1411.0	1051.7	114.98	1.5094	1.991
27.00	1411.0	1051.7	114.98	1.5000	1.991
27.50	1411.0	1051.7	114.97	1.4909	1.991
28.00	1411.0	1051.7	114.97	1.4821	1.991
28.50	1411.0	1051.7	114.96	1.4737	1.991
29.00	1411.1	1051.7	114.94	1.4655	1.991
29.50	1411.0	1051.7	114.92	1.4576	1.991
30.00	1411.0	1051.7	114.92	1.4500	1.991
30.50	1410.8	1051.4	114.91	1.4426	1.990
***** End Shut-in 1					
***** Start Flow 2					
0.00	447.7	0.0	114.88		
0.50	455.7	8.1	114.84		
1.00	466.6	19.0	114.83		
1.50	477.4	29.7	114.80		
2.00	488.0	40.4	114.82		
2.50	501.9	54.2	114.84		
3.00	519.4	71.8	114.91		
3.50	527.1	79.5	114.98		
4.00	505.3	57.7	115.06		
4.50	518.0	70.3	115.16		
5.00	555.3	107.7	115.27		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

DATE: 06/17/97

TIME: 12:50:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
5.50	559.5	111.8	115.38		
6.00	574.5	126.8	115.50		
6.50	587.3	139.7	115.62		
7.00	597.8	150.1	115.73		
7.50	609.2	161.6	115.84		
8.00	602.3	154.6	115.95		
8.50	630.2	182.5	116.05		
9.00	638.3	190.7	116.15		
9.50	651.4	203.7	116.23		
10.00	657.8	210.2	116.31		
10.50	668.9	221.2	116.40		
11.00	672.2	224.5	116.47		
11.50	694.3	246.7	116.54		
12.00	694.3	246.7	116.59		
12.50	706.7	259.1	116.65		
13.00	709.0	261.4	116.70		
13.50	727.9	280.2	116.75		
14.00	730.4	282.8	116.79		
14.50	719.6	271.9	116.83		
15.00	746.0	298.4	116.87		
15.50	752.2	304.5	116.90		
16.00	758.2	310.5	116.92		
16.50	739.0	291.3	116.94		
17.00	764.7	317.0	116.95		
17.50	772.5	324.8	116.96		
18.00	785.4	337.7	116.97		
18.50	792.9	345.2	116.97		
19.00	800.3	352.7	116.97		
19.50	807.5	359.9	116.98		
20.00	815.8	368.1	116.99		
20.50	825.0	377.3	116.98		
21.00	836.7	389.0	117.00		
21.50	844.7	397.1	117.00		
22.00	832.7	385.1	117.00		
22.50	835.8	388.2	117.00		
23.00	856.3	408.6	117.00		
23.50	868.6	420.9	116.99		
24.00	875.9	428.2	117.00		
24.50	883.2	435.5	117.00		
25.00	890.7	443.1	116.99		
25.50	898.5	450.9	116.99		
26.00	906.2	458.6	116.99		
26.50	915.4	467.7	116.98		
27.00	916.3	468.7	116.98		
27.50	933.6	485.9	116.96		
28.00	940.3	492.7	116.97		
28.50	948.7	501.0	116.97		
29.00	955.8	508.1	116.96		
29.50	961.0	513.3	116.96		
30.00	967.8	520.2	116.95		
30.50	973.8	526.1	116.95		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

DATE: 06/17/97

TIME: 12:50:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	31.00	981.5	533.9	116.95		
	31.50	988.7	541.0	116.94		
	32.00	995.5	547.8	116.93		
	32.50	1002.9	555.3	116.92		
	33.00	1009.5	561.8	116.92		
	33.50	1016.4	568.8	116.92		
	34.00	1022.6	574.9	116.91		
	34.50	1028.3	580.6	116.90		
	35.00	1034.7	587.1	116.90		
	35.50	1041.5	593.8	116.89		
	36.00	1048.2	600.6	116.89		
	36.50	1054.2	606.5	116.89		
	37.00	1060.3	612.7	116.88		
	37.50	1066.7	619.1	116.86		
	38.00	1072.8	625.1	116.86		
	38.50	1079.5	631.8	116.85		
	39.00	1085.3	637.6	116.85		
	39.50	1091.4	643.7	116.84		
	40.00	1096.9	649.3	116.83		
	40.50	1102.9	655.2	116.83		
	41.00	1108.8	661.2	116.81		
	41.50	1114.6	666.9	116.80		
***** End Flow 2	42.00	1119.2	671.5	116.80		
***** Start Shutin 2	0.00	1119.2	0.0	116.80	0.0000	1.253
	0.50	1409.9	290.7	116.81	112.0000	1.988
	1.00	1410.1	291.0	116.80	56.5000	1.989
	1.50	1410.2	291.1	116.79	38.0000	1.989
	2.00	1410.3	291.1	116.77	28.7500	1.989
	2.50	1410.4	291.2	116.77	23.2000	1.989
	3.00	1410.5	291.4	116.77	19.5000	1.990
	3.50	1410.6	291.4	116.77	16.8571	1.990
	4.00	1410.6	291.4	116.77	14.8750	1.990
	4.50	1410.6	291.4	116.78	13.3333	1.990
	5.00	1410.7	291.5	116.77	12.1000	1.990
	5.50	1410.7	291.5	116.76	11.0909	1.990
	6.00	1410.7	291.5	116.77	10.2500	1.990
	6.50	1410.8	291.6	116.76	9.5385	1.990
	7.00	1410.8	291.6	116.76	8.9286	1.990
	7.50	1410.8	291.6	116.75	8.4000	1.990
	8.00	1410.9	291.7	116.73	7.9375	1.991
	8.50	1410.9	291.7	116.74	7.5294	1.991
	9.00	1410.9	291.7	116.73	7.1667	1.991
	9.50	1410.9	291.7	116.72	6.8421	1.991
	10.00	1410.9	291.7	116.71	6.5500	1.991
	10.50	1410.9	291.7	116.72	6.2857	1.991
	11.00	1410.9	291.8	116.71	6.0455	1.991
	11.50	1410.9	291.8	116.70	5.8261	1.991
	12.00	1410.9	291.8	116.68	5.6250	1.991
	12.50	1410.9	291.8	116.67	5.4400	1.991
	13.00	1410.9	291.8	116.65	5.2692	1.991
	13.50	1410.9	291.8	116.66	5.1111	1.991

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

DATE: 06/17/97

TIME: 12:50:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
14.00	1411.0	291.9	116.64	4.9643	1.991
14.50	1411.0	291.9	116.64	4.8276	1.991
15.00	1411.0	291.9	116.64	4.7000	1.991
15.50	1411.0	291.9	116.62	4.5806	1.991
16.00	1411.0	291.9	116.63	4.4688	1.991
16.50	1411.0	291.9	116.62	4.3636	1.991
17.00	1411.0	291.9	116.61	4.2647	1.991
17.50	1411.0	291.9	116.60	4.1714	1.991
18.00	1411.1	291.9	116.59	4.0833	1.991
18.50	1411.1	291.9	116.57	4.0000	1.991
19.00	1411.1	291.9	116.55	3.9211	1.991
19.50	1411.1	291.9	116.53	3.8462	1.991
20.00	1411.1	291.9	116.52	3.7750	1.991
20.50	1411.1	291.9	116.51	3.7073	1.991
21.00	1411.2	292.0	116.49	3.6429	1.991
21.50	1411.2	292.0	116.48	3.5814	1.991
22.00	1411.2	292.0	116.46	3.5227	1.991
22.50	1411.2	292.0	116.45	3.4667	1.991
23.00	1411.2	292.0	116.43	3.4130	1.991
23.50	1411.2	292.0	116.42	3.3617	1.991
24.00	1411.1	291.9	116.41	3.3125	1.991
24.50	1411.1	291.9	116.40	3.2653	1.991
25.00	1411.1	291.9	116.39	3.2200	1.991
25.50	1411.1	291.9	116.37	3.1765	1.991
26.00	1411.1	291.9	116.36	3.1346	1.991
26.50	1411.2	292.1	116.34	3.0943	1.992
27.00	1411.2	292.0	116.34	3.0556	1.991
27.50	1411.2	292.0	116.32	3.0182	1.991
28.00	1411.2	292.0	116.32	2.9821	1.991
28.50	1411.2	292.0	116.30	2.9474	1.991
29.00	1411.2	292.0	116.29	2.9138	1.991
29.50	1411.2	292.0	116.27	2.8814	1.991
30.00	1411.3	292.2	116.26	2.8500	1.992
30.50	1411.2	292.1	116.25	2.8197	1.992
31.00	1411.2	292.0	116.24	2.7903	1.991
31.50	1411.2	292.0	116.23	2.7619	1.991
32.00	1411.2	292.0	116.22	2.7344	1.991
32.50	1411.2	292.0	116.20	2.7077	1.991
33.00	1411.3	292.1	116.19	2.6818	1.992
33.50	1411.3	292.1	116.18	2.6567	1.992
34.00	1411.3	292.1	116.17	2.6324	1.992
34.50	1411.4	292.2	116.16	2.6087	1.992
35.00	1411.3	292.1	116.15	2.5857	1.992
35.50	1411.3	292.1	116.14	2.5634	1.992
36.00	1411.2	292.0	116.13	2.5417	1.991
36.50	1411.2	292.0	116.12	2.5205	1.991
37.00	1411.2	292.0	116.11	2.5000	1.991
37.50	1411.2	292.0	116.10	2.4800	1.991
38.00	1411.2	292.0	116.09	2.4605	1.991
38.50	1411.2	292.0	116.07	2.4416	1.991
39.00	1411.2	292.0	116.07	2.4231	1.991

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

DATE: 06/17/97

TIME: 12:50:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
39.50	1411.3	292.1	116.05	2.4051	1.992
40.00	1411.3	292.1	116.04	2.3875	1.992
40.50	1411.3	292.1	116.03	2.3704	1.992
41.00	1411.3	292.1	116.01	2.3537	1.992
41.50	1411.3	292.1	116.01	2.3373	1.992
42.00	1411.3	292.1	116.00	2.3214	1.992
42.50	1411.3	292.1	115.99	2.3059	1.992
43.00	1411.3	292.1	115.98	2.2907	1.992
43.50	1411.3	292.1	115.97	2.2759	1.992
44.00	1411.3	292.1	115.96	2.2614	1.992
44.50	1411.3	292.1	115.95	2.2472	1.992
45.00	1411.3	292.1	115.93	2.2333	1.992
45.50	1411.3	292.1	115.94	2.2198	1.992
46.00	1411.3	292.1	115.91	2.2065	1.992
46.50	1411.4	292.2	115.91	2.1935	1.992
47.00	1411.4	292.2	115.87	2.1809	1.992
47.50	1411.4	292.2	115.90	2.1684	1.992
48.00	1411.4	292.3	115.87	2.1562	1.992
48.50	1411.2	292.1	115.84	2.1443	1.992
49.00	1411.2	292.0	115.87	2.1327	1.991
49.50	1411.3	292.1	115.84	2.1212	1.992
50.00	1411.3	292.1	115.86	2.1100	1.992
50.50	1411.3	292.1	115.83	2.0990	1.992
51.00	1411.3	292.1	115.84	2.0882	1.992
51.50	1411.3	292.1	115.83	2.0777	1.992
52.00	1411.3	292.1	115.85	2.0673	1.992
52.50	1411.3	292.1	115.83	2.0571	1.992
53.00	1411.3	292.1	115.85	2.0472	1.992
53.50	1411.3	292.1	115.82	2.0374	1.992
54.00	1411.3	292.1	115.82	2.0278	1.992
54.50	1411.3	292.1	115.80	2.0183	1.992
55.00	1411.3	292.1	115.82	2.0091	1.992
55.50	1411.3	292.1	115.78	2.0000	1.992
56.00	1411.3	292.1	115.79	1.9911	1.992
56.50	1411.3	292.1	115.76	1.9823	1.992
57.00	1411.3	292.1	115.75	1.9737	1.992
57.50	1411.3	292.1	115.74	1.9652	1.992
58.00	1411.3	292.1	115.72	1.9569	1.992
58.50	1411.3	292.1	115.71	1.9487	1.992
59.00	1411.3	292.1	115.70	1.9407	1.992
59.50	1411.3	292.1	115.69	1.9328	1.992
60.00	1411.3	292.1	115.68	1.9250	1.992
60.50	1411.3	292.1	115.67	1.9174	1.992
61.00	1411.3	292.1	115.66	1.9098	1.992
61.50	1411.3	292.1	115.65	1.9024	1.992
62.00	1411.3	292.1	115.64	1.8952	1.992
62.50	1411.3	292.1	115.63	1.8880	1.992
63.00	1411.3	292.1	115.62	1.8810	1.992
63.50	1411.3	292.1	115.61	1.8740	1.992
64.00	1411.3	292.1	115.60	1.8672	1.992
64.50	1411.3	292.1	115.59	1.8605	1.992

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.  
 DATE: 06/17/97 TIME: 12:50:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
65.00	1411.3	292.1	115.59	1.8538	1.992
65.50	1411.3	292.1	115.58	1.8473	1.992
66.00	1411.3	292.1	115.57	1.8409	1.992
66.50	1411.3	292.1	115.56	1.8346	1.992
67.00	1411.3	292.1	115.55	1.8284	1.992
67.50	1411.3	292.1	115.55	1.8222	1.992
68.00	1411.3	292.1	115.54	1.8162	1.992
68.50	1411.3	292.1	115.53	1.8102	1.992
69.00	1411.3	292.1	115.52	1.8043	1.992
69.50	1411.3	292.1	115.52	1.7986	1.992
70.00	1411.3	292.1	115.52	1.7929	1.992
70.50	1411.3	292.1	115.51	1.7872	1.992
71.00	1411.3	292.1	115.50	1.7817	1.992
71.50	1411.3	292.1	115.49	1.7762	1.992
72.00	1411.3	292.1	115.49	1.7708	1.992
72.50	1411.3	292.1	115.49	1.7655	1.992
73.00	1411.3	292.1	115.48	1.7603	1.992
73.50	1411.3	292.1	115.48	1.7551	1.992
74.00	1411.3	292.1	115.47	1.7500	1.992
74.50	1411.3	292.1	115.46	1.7450	1.992
75.00	1411.3	292.1	115.46	1.7400	1.992
75.50	1411.2	292.0	115.45	1.7351	1.991
76.00	1411.2	292.0	115.45	1.7303	1.991
76.50	1411.2	292.0	115.44	1.7255	1.991
77.00	1411.3	292.1	115.44	1.7208	1.992
77.50	1411.3	292.1	115.43	1.7161	1.992
78.00	1411.3	292.1	115.42	1.7115	1.992
78.50	1411.3	292.1	115.42	1.7070	1.992
79.00	1411.4	292.2	115.42	1.7025	1.992
79.50	1411.4	292.2	115.42	1.6981	1.992
80.00	1411.3	292.1	115.41	1.6938	1.992
80.50	1411.3	292.1	115.41	1.6894	1.992
81.00	1411.3	292.1	115.41	1.6852	1.992
81.50	1411.2	292.0	115.40	1.6810	1.991
82.00	1411.2	292.0	115.39	1.6768	1.991
82.50	1411.3	292.1	115.39	1.6727	1.992
83.00	1411.3	292.1	115.38	1.6687	1.992
83.50	1411.3	292.1	115.38	1.6647	1.992
84.00	1411.3	292.1	115.37	1.6607	1.992
84.50	1411.3	292.1	115.36	1.6568	1.992
85.00	1411.3	292.1	115.36	1.6529	1.992
85.50	1411.3	292.1	115.35	1.6491	1.992
86.00	1411.3	292.1	115.36	1.6453	1.992
86.50	1411.3	292.1	115.35	1.6416	1.992
87.00	1411.3	292.1	115.35	1.6379	1.992
87.50	1411.3	292.1	115.34	1.6343	1.992
88.00	1411.3	292.1	115.34	1.6307	1.992
88.50	1411.3	292.1	115.34	1.6271	1.992
89.00	1411.3	292.1	115.33	1.6236	1.992
89.50	1411.3	292.1	115.32	1.6201	1.992
90.00	1411.3	292.1	115.33	1.6167	1.992

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

DATE: 06/17/97

TIME: 12:50:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	90.50	1411.3	292.1	115.32	1.6133	1.992
	91.00	1411.3	292.1	115.31	1.6099	1.992
	91.50	1411.3	292.1	115.31	1.6066	1.992
	92.00	1411.3	292.1	115.31	1.6033	1.992
	92.50	1411.3	292.1	115.30	1.6000	1.992
	93.00	1411.3	292.1	115.29	1.5968	1.992
	93.50	1410.7	291.5	115.29	1.5936	1.990
***** End Shut-in 2	94.00	1411.2	292.1	115.29	1.5904	1.992
***** Final Hydro.	287.00	1704.6	0.0	115.28		

# TEST HISTORY

TK#10025 Marylyn-Johnson #1 DST#3 Bonneville Fuels, Corp.

## Flag Points

t (Min.)	P (PSig)
A: 0.00	1714.72
B: 0.00	72.51
C: 13.50	359.37
D: 30.50	1410.82
E: 0.00	447.66
F: 42.00	1119.17
G: 94.00	1411.24
Q: 0.00	1704.57

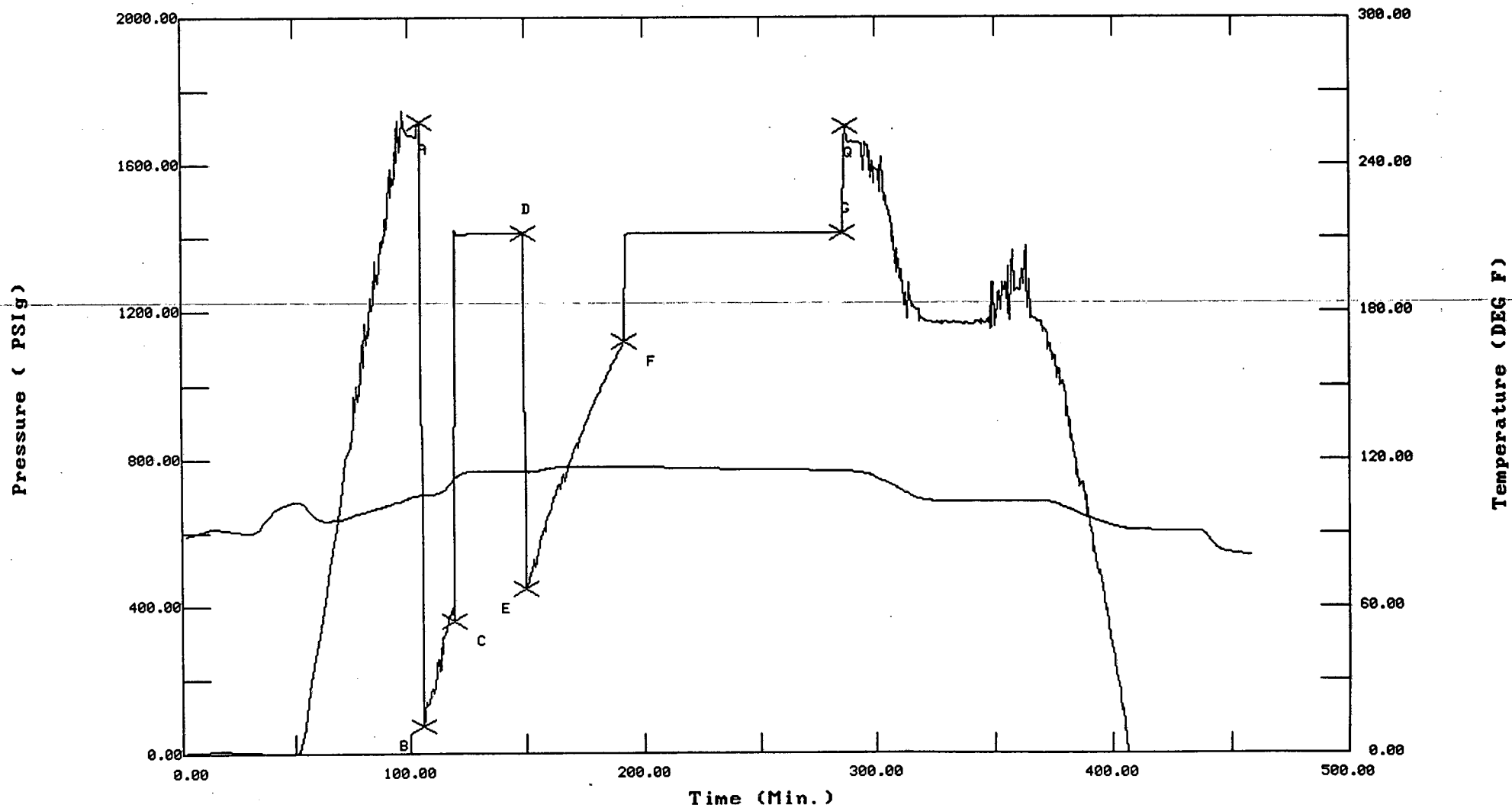
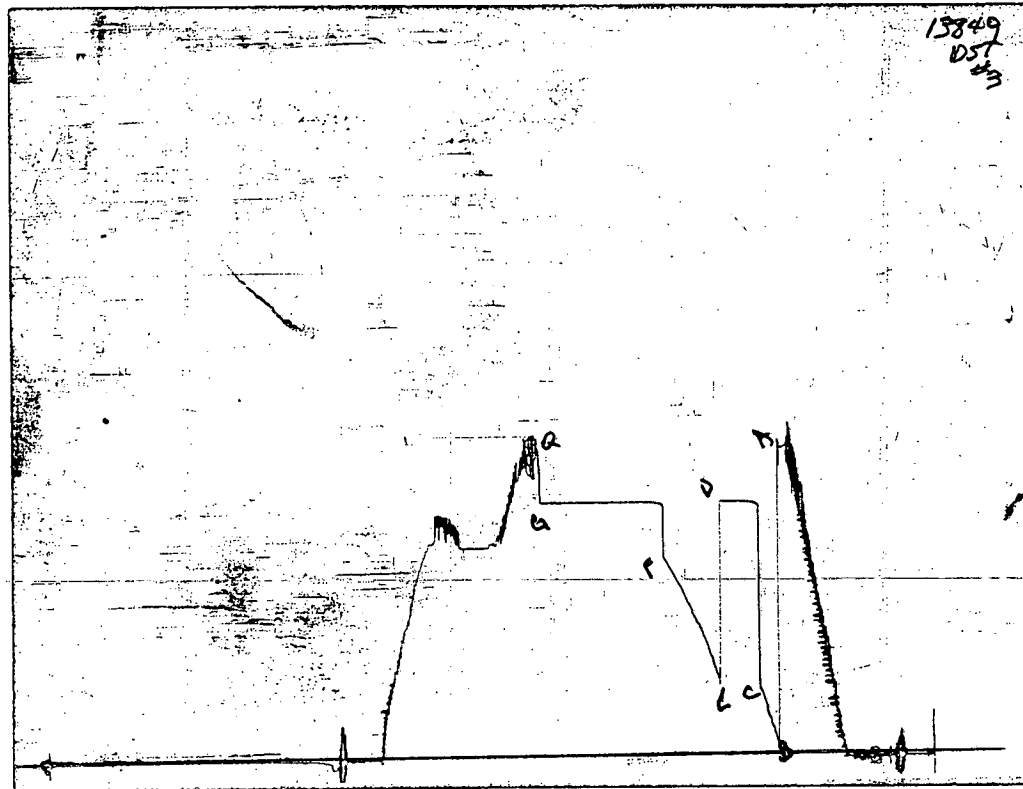




CHART PAGE



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

N<sup>o</sup> 10025

Well Name & No. <u>Marylyn Johnson #1</u>	Test No. <u>#3</u>	Date <u>6/17/97</u>
Company <u>Bonneville Fuels, Corp.</u>	Zone Tested <u>Simpson Sand</u>	
Address <u>1660 Lincoln - Suite 1800 Denver, Co 80264</u>		Elevation <u>1295</u> KB <u>1290</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>White Ellis #8</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>4</u> Twp. <u>16S</u> Rge. <u>3W</u>	Co. <u>Saline</u>	State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>3462' - 3495'</u>	Initial Str Wt./Lbs. <u>47,000</u> Unseated Str Wt./Lbs. <u>67,000</u>
Anchor Length <u>33'</u>	Wt. Set Lbs. <u>20,000</u> Wt. Pulled Loose/Lbs. <u>78,000</u>
Top Packer Depth <u>3457'</u>	Tool Weight <u>2100</u>
Bottom Packer Depth <u>3495' 3462'</u>	Hole Size — <u>7 7/8"</u> ✓ Rubber Size — <u>6 3/4"</u> ✓
Total Depth <u>3560</u>	Wt. Pipe Run <u>    </u> Drill Collar Run <u>30'</u>
Mud Wt. <u>9.4</u> LCM <u>2<sup>nd</sup></u> Vis. <u>60</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 XH</u> Ft. Run <u>3484</u>
Blow Description <u>IF: Strong blow B.O.B. in 4 mins.</u>	
<u>IST: Blud downy. Weak blow pack</u>	
<u>FF: Strong blow B.O.B. in 1.15</u>	
<u>FSI: No bbs</u>	

Recovery — Total Feet <u>2640'</u> GIP <u>    </u>	Ft. in DC <u>30'</u>	Ft. in DP <u>2610'</u>
Rec. <u>120'</u> Feet Of <u>MCW</u>	%gas <u>    </u> %oil <u>    </u> %water <u>98</u> %mud <u>    </u>	
Rec. <u>2396'</u> Feet Of <u>SW</u>	%gas <u>    </u> %oil <u>100</u> %water <u>    </u> %mud <u>    </u>	
Rec. <u>120'</u> Feet Of <u>Drilling Mud</u>	%gas <u>    </u> %oil <u>    </u> %water <u>100</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 118 °F Gravity      °API D @      °F Corrected Gravity      °API

RW 0.1 @ 80° °F Chlorides 60,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	<u>1776</u>   <u>1733</u>   <u>1714</u> PSI	Recorder No. <u>2350</u>	T-Started <u>12:49 PM</u>
(B) First Initial Flow Pressure	<u>66</u>   <u>73</u> PSI	(depth) <u>3473'</u>	T-Open <u>2:38</u>
(C) First Final Flow Pressure	<u>379</u>   <u>359</u> PSI	Recorder No. <u>13849</u>	T-Pulled <u>5:38</u>
(D) Initial Shut-in Pressure	<u>1438</u>   <u>1410</u> PSI	(depth) <u>3503'</u>	T-Out <u>8:30</u>
(E) Second Initial Flow Pressure	<u>422</u>   <u>448</u> PSI	Recorder No. <u>10991</u>	
(F) Second Final Flow Pressure	<u>1051</u>   <u>1119</u> PSI	(depth) <u>3557'</u>	
(G) Final Shut-in Pressure	<u>1427</u>   <u>1411</u> PSI	Initial Opening <u>15</u>	Test <u>    </u> ✓
(H) Final Hydrostatic Mud	<u>1745</u>   <u>1797</u>   <u>1705</u> PSI	Initial Shut-in <u>30</u>	Jars <u>    </u> ✓
	<u>10991</u>   <u>13849</u>   <u>ALPine</u>	Final Flow <u>45</u>	Safety Joint <u>    </u> ✓
		Final Shut-in <u>90</u>	Straddle <u>    </u> ✓

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Approved By *Ron Nelson*

- Test      ✓
- Jars      ✓
- Safety Joint      ✓
- Straddle      ✓
- Circ. Sub      ✓
- Sampler
- Extra Packer
- Elect. Rec.
- Other