

Copyright: Enclosed

ORIGINAL

WELL NAME:
COMPANY:
LOCATION:
DATE:

Schrag #1
Bonneville Fuels Corp
1-19S-3W
McPherson County Kansas
06/11/97

15-113-21266

TRILOBITE TESTING L.L.C.

OPERATOR : Bonneville Fuels Corp
 WELL NAME: Schrag #1
 LOCATION : 1-19S-3W McPherson KS
 INTERVAL : 2366.00 To 2389.00 ft

DATE 6/3/97
 KB 1542.00 ft
 GR 1537.00 ft
 TD 2389.00 ft

TICKET NO: 9722
 FORMATION: Lansing
 TEST TYPE: CONV
 DST #1

ORDER DATA

ins	Field	1	2	3	4
15 Rec.	10248	10248	13788		
30 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0
30 Clock(hrs)	12 Hr	12 Hr	12 Hr		
60 Depth(ft)	2386.0	2386.0	2381.0	0.0	0.0

TIME DATA-----

PF Fr. 1250 to 1305 hr
 IS Fr. 1305 to 1335 hr
 SF Fr. 1335 to 1405 hr
 FS Fr. 1405 to 1505 hr

	Field	1	2	3	4
Init Hydro	1183.0	1181.0	0.0	0.0	0.0
First Flow	23.0	37.0	0.0	0.0	0.0
Final Flow	23.0	25.0	0.0	0.0	0.0
In Shut-in	107.0	96.0	0.0	0.0	0.0
Init Flow	28.0	40.0	0.0	0.0	0.0
Final Flow	28.0	31.0	0.0	0.0	0.0
Fl Shut-in	189.0	185.0	0.0	0.0	0.0
Final Hydro	1165.0	1150.0	0.0	0.0	0.0
Inside/Outside	0	0	I		

T STARTED 1100 hr
 T ON BOTM 1200 hr
 T OPEN 1250 hr
 T PULLED 1505 hr
 T OUT 1700 hr

TOOL DATA-----

Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 42000.00 lbs
 Initial Str Wt 35000.00 lbs
 Unseated Str Wt 35000.00 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 2366.00 ft

RECOVERY

Not Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 0.00 ft of Clean Oil
 0.00 ft of
 0.00 ft of Oil Cut Mud
 0.00 ft of 30%oil 70%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 2000.00 P.P.M. A.P.I. Gravity 37.00

BLOW DESCRIPTION

Initial Flow:
 Very weak surface blow after 10 mins
 Final Flow:
 Very weak blow throughout (surface)

SAMPLES:
 SENT TO:

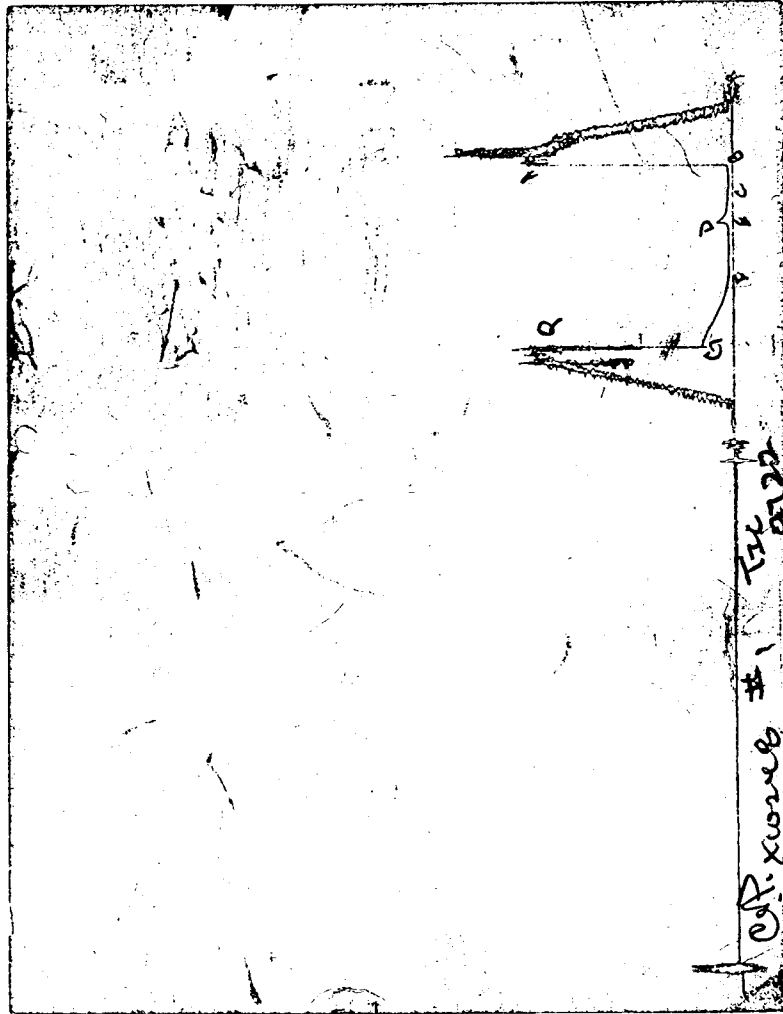
MUD DATA-----

Mud Type Chemical
 Weight 9.30 lb/cf
 Vis. 45.00 S/L
 W.L. 10.00 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 96.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Gary Pevoteaux
 Co. Rep. Bob Kozarek
 Contr. White & Ellis
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

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 9722

Well Name & No.	SCORAG #1	Test No.	1	Date	6-3-97
Company	BONNEVILLE FUELS CORP.	Zone Tested	LAWS		
Address	1660 LINCOLN SUITE 1800/DENVER CO. 80264	Elevation	1542 KB	1537 GL	
Co. Rep / Geo.	BOB KOZAREK	Cont.	WHITE FUELS #8	Est. Ft. of Pay	Por. %
Location: Sec.	1	Twp.	19S	Rge.	3W
			Co. McPHERSON	State	KS.
No. of Copies	3	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	Y
			Evaluation (Y, N)		

Interval Tested 2366 - 2389' Initial Str Wt./Lbs. 35,000 Unseated Str Wt./Lbs. 35,000
Anchor Length 23' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 42,000
Top Packer Depth 2361' Tool Weight 2100
Bottom Packer Depth 2366' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 2389' Wt. Pipe Run None Drill Collar Run 30'
Mud Wt. 9.3 LCM 2 Vis. 45 WL 10.0 cc. Drill Pipe Size 4 1/2" x 14' Ft. Run 2366'
Blow Description IF: Very weak surface blow after 10 mins. open.
FF: Very weak blow throughout. (surface)

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>5'</u>	<u>SS</u>	<u>5</u>	<u>—</u>
Rec. <u>3</u> Feet Of <u>Clean Oil</u>	%gas	%oil	%water %mud
Rec. <u>2</u> Feet Of <u>OCM</u>	%gas <u>30</u>	%oil	%water <u>70</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud

BHT AL °F Gravity 38 °API @ 71 °F Corrected Gravity 37 °API
RW N.C. @ — °F Chlorides 2,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud	<u>1183</u> PSI	Recorder No.	<u>10248</u>	T-Started	<u>1100</u>
(B) First Initial Flow Pressure	<u>23</u> PSI	(depth)	<u>2386'</u>	T-Open	<u>1250</u>
(C) First Final Flow Pressure	<u>23</u> PSI	Recorder No.	<u>13288</u>	T-Pulled	<u>1506</u>
(D) Initial Shut-in Pressure	<u>107</u> PSI	(depth)	<u>2381'</u>	T-Out	<u>1700</u>
(E) Second Initial Flow Pressure	<u>28</u> PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>28</u> PSI	(depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>189</u> PSI	Initial Opening	<u>15</u>	Test	<u>✓ 600⁰⁰</u>
(H) Final Hydrostatic Mud	<u>1165</u> PSI	Initial Shut-in	<u>30</u>	Jars	<u> </u>
		Final Flow	<u>30</u>	Safety Joint	<u>✓ 50⁰⁰</u>
		Final Shut-in	<u>60</u>	Straddle	<u> </u>
				Circ. Sub	<u> </u>
				Sampler	<u>✓ 200⁰⁰</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 Bob Kozarek

Our Representative

TOTAL PRICE \$ ✓ 850⁰⁰

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9722 Date 6-3-97
Company Name Bonneville Fuels Corp.
Lease SCHRAG #1 Test No. 1
County McPHERSON Ks. Sec. 1 Twp. 19^S Rng. 3^W

SAMPLER RECOVERY

Gas trace ~~ML~~
Oil 3,000 ML
Mud 1,000 ML
Water None ML
Other cuttings (POOR DRAINAGE) ~~ML~~
Pressure 0 PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 2,000 ppm.
Resistivity 4.04 ohms @ 72 F
Viscosity 45
Mud Weight 9.3
Filtrate 10.0 cc
Other _____

SAMPLER ANALYSIS

Resistivity N.C. ohms @ ~ F
Chlorides 2,000 ppm.
Gravity 37 corrected @ 60 F

PIPE RECOVERY

TOP 55' Gas in Pipe
Resistivity N/A ohms @ ~ F
Chlorides N/A ppm.
MIDDLE 3' Clean Oil
Resistivity N/A ohms @ ~ F
Chlorides N/A ppm.
BOTTOM 2' O.C.M.
Resistivity N.C. ohms @ ~ F
Chlorides 2,000 ppm.

TRILOBITE TESTING L.L.C.

ERATOR : Bonneville Fuels Corp
 LL NAME: Schrag #1
 ATION : 1-19S-3W McPherson KS
 ERVAL : 2973.00 To 2982.00 ft

DATE 6/5/97
 KB 1542.00 ft TICKET NO: 9723 DST #2
 GR 1537.00 ft FORMATION: Osage
 TD 2982.00 ft TEST TYPE: CONV

ORDER DATA

ins	Field	1	2	3	4	TIME DATA-----
15 Rec.	10248	10248	13788			PF Fr. 0040 to 0055 hr
30 Range(Psi)	4400.0	4400.0	4650.0	0.0	0.0	IS Fr. 0055 to 0125 hr
60 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 0125 to 0225 hr
120 Depth(ft)	2979.0	2979.0	2974.0	0.0	0.0	FS Fr. 0225 to 0425 hr

	Field	1	2	3	4	
Init Hydro	1438.0	1626.0	0.0	0.0	0.0	T STARTED 2300 hr
First Flow	30.0	39.0	0.0	0.0	0.0	T ON BOTM 0030 hr
Final Flow	21.0	23.0	0.0	0.0	0.0	T OPEN 0040 hr
In Shut-in	528.0	515.0	0.0	0.0	0.0	T PULLED 0425 hr
Init Flow	21.0	29.0	0.0	0.0	0.0	T OUT 0600 hr
Final Flow	28.0	29.0	0.0	0.0	0.0	
Fl Shut-in	502.0	486.0	0.0	0.0	0.0	TOOL DATA-----
Final Hydro	1406.0	1490.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
side/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 105000.00 lbs
						Initial Str Wt 38000.00 lbs
						Unseated Str Wt 39000.00 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 2930.00 ft

COVERY

t Fluid 25.00 ft of 25.00 ft in DC and 0.00 ft in DP
 .00 ft of Heavy Mud
 00 ft of
 00 ft of
 00 ft of
 00 ft of
 00 ft of
 00 ft of
 00 ft of

LINITY 2000.00 P.P.M. A.P.I. Gravity 0.00

OW DESCRIPTION

itial Flow:
 Strong blow, bottom of bucket in 50sec

itial Shut In:
 Gas to Surface 1 min, Fair blow

nal Flow:
 Strong blow, (See gas volume report)

nal Shut In:
 Fair blow

MPLES:

NT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	46.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Gary Pevoteaux
Co. Rep.	Bob Kozarek
Contr.	White & Ellis
Rig #	8
Unit #	
Pump T.	

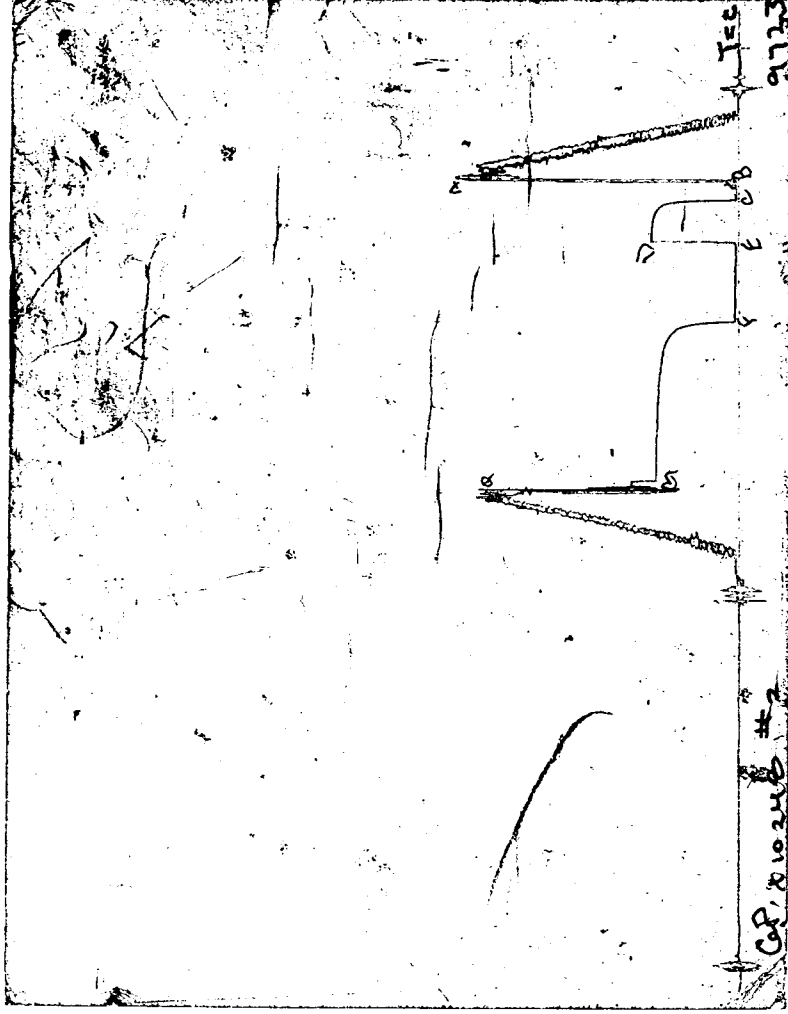
Test Successful: Y

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*** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.25	6	0	21800.0
10	0.25	7	0	25000.0
20	0.25	8	0	27000.0
30	0.25	9	0	29000.0
40	0.25	10	0	30800.0
50	0.25	10	0	30800.0
60	0.25	10	0	30800.0

CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 9723

Well Name & No.	SCHRAG #1	Test No.	2	Date	6-5-97
Company	BONNEVILLE FUELS CORP.	Zone Tested	OSAGE		
Address	1140 LINCOLN STREET 1800 / DENVER CO. 80264	Elevation	1542 KB 1537 GL		
Co. Rep / Geo.	BOB KOZAREK	Cont.	WHITE & ELLIS #8	Est. Ft. of Pay	9 Por. 12 %
Location: Sec.	1	Twp.	19S	Rge.	3W
		Co.	NEPHERSON	State KS.	
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	Y
		Evaluation (Y, N)			

Interval Tested 2973 - 2982' Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 39,000
Anchor Length 9' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 105,000
Top Packer Depth 2968' Tool Weight 2100 #
Bottom Packer Depth 2973' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 2982' Wt. Pipe Run None Drill Collar Run 80
Mud Wt. 9.3 LCM ~ Vis. 46 WL 10.0cc Drill Pipe Size 4 1/4" X H. Ft. Run 2930
Blow Description IF: Strong blow. Btm. of bucket in 50 sec.
ISI: GTS 1 min. 1 in to ISI. Fair blow.
FF: Strong blow. (see gas volume report)
FSI: Fair blow.

Recovery — Total Feet 25' GIP yes. Ft. in DC 25 Ft. in DP ~
Rec. 25 Feet Of Heavy Mud. %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
BHT 100 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API
RW N.C. @ ~ °F Chlorides 3000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1438 PSI Recorder No. 10248 T-Started 2300
(B) First Initial Flow Pressure 30 PSI (depth) 2979' T-Open 2040
(C) First Final Flow Pressure 21 PSI Recorder No. 13788 T-Pulled 0425
(D) Initial Shut-in Pressure 528 PSI (depth) 2974' T-Out 0600
(E) Second Initial Flow Pressure 21 PSI Recorder No. ~
(F) Second Final Flow Pressure 28 PSI (depth) ~
(G) Final Shut-in Pressure 502 PSI Initial Opening 15 Test ✓ 600°
(H) Final Hydrostatic Mud 1406 PSI Initial Shut-in 30 Jars _____
Final Flow 60 Safety Joint ✓ 50°
Final Shut-in 120 Straddle _____
_____ Circ. Sub _____
_____ Sampler _____
Extra Packer _____
Elect. Rec. _____
Other _____

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

Approved By _____
Our Representative Cory P. [Signature]

TOTAL PRICE \$ ✓ 650.00



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

GAS VOLUME REPORT

Bonneville Fuels Corp.
OPERATOR

SEHRAC II

WELL NAME AND NO.

2
DST NO.

Remarks: