

15-025-21209

TRILOBITE TESTING L.L.C.

29-32s-22w

OPERATOR : R.E.Blaik, Inc. DATE 7-12-00
 WELL NAME: Frances #1-29 KB 0.00 ft TICKET NO: 13198 DST #1
 LOCATION : 29-32-22 Clark co KS GR 0.00 ft FORMATION: Lansing
 INTERVAL : 4492.00 To 4514.00 ft TD 4514.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13254	13254	3024			PF Fr. 0736 to 0806 hr
SI 60 Range(Psi)	4550.0	4550.0	4995.0	0.0	0.0	IS Fr. 0806 to 0906 hr
SF 45 Clock(hrs)	12	12	elect			SF Fr. 0906 to 0951 hr
FS 90 Depth(ft)	4511.0	4511.0	4494.0	0.0	0.0	FS Fr. 0951 to 1121 hr

	Field	1	2	3	4	
A. Init Hydro	2161.0	2137.0	2179.0	0.0	0.0	T STARTED 0432 hr
B. First Flow	35.0	44.0	33.0	0.0	0.0	T ON BOTM 0732 hr
B1. Final Flow	71.0	81.0	108.0	0.0	0.0	T OPEN 0736 hr
C. In Shut-in	1542.0	1557.0	1585.0	0.0	0.0	T PULLED 1121 hr
D. Init Flow	35.0	40.0	46.0	0.0	0.0	T OUT 1350 hr
E. Final Flow	47.0	47.0	75.0	0.0	0.0	
F. Fl Shut-in	1553.0	1544.0	1588.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2056.0	2060.0	2150.0	0.0	0.0	Tool Wt. 1600.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 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 391.00 ft
						D.P. Length 4080.00 ft

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
 150.00 ft of Gassy Mud
 0.00 ft of 30% gas 70% 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

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

BLOW DESCRIPTION

Initial Flow:
 Strong-bottom of bucket in 30 seconds
 Gas to surface in 16 minutes.
 Final Flow:
 Strong-bottom of bucket as soon as
 tool opened.

SAMPLES: Bottle filled
SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/c
 Vis. 47.00 S/L
 W.L. 10.00 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 106.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Dan Bangle
 Co. Rep. Mike Smith
 Contr. Big A
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

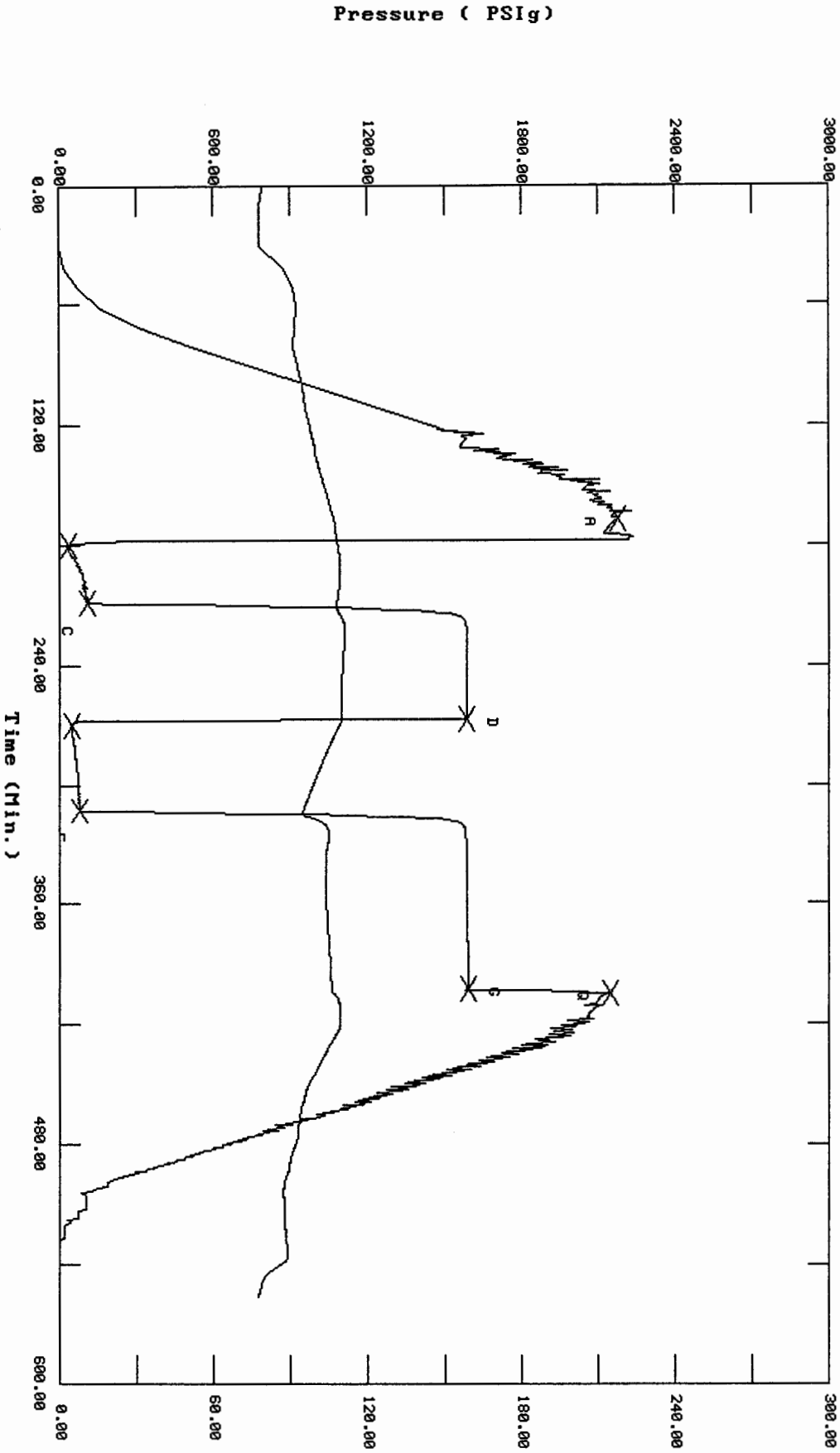
WELL NAME: Frances #1-29	H	P.O. SUB	4341
	H	C.O. SUB	4461
LOCATION : 29-32-22 Clark co KS	H	S.I. TOOL	4467
TICKET No. 13198 D.S.T. No. 1 DATE 7-12-00	H	Sampler	4470
TOTAL TOOL TO BOTTOM OF TOP PACKERS 31	H		
INTERVAL TOOL	H	HMV	4475
BOTTOM PACKERS AND ANCHOR 22	H	JARS	4480
TOTAL TOOL 53	H		
DRILL COLLAR ANCHOR IN INTERVAL	H		
D.C. ANCHOR STND.Stands Single Total	H		
D.P. ANCHOR STND.Stands Single Total	H	SAFETY JOINT	4483
TOTAL ASSEMBLY 53	H	PACKER	4487
D.C. ABOVE TOOLS.Stands6 Single 1 Total 391	H	PACKER	4492
D.P. ABOVE TOOLS.Stands66 Single 1 Total 4080	H	DEPTH 4492	
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4524	H	1'	4493
TOTAL DEPTH 4514	H	ANCHOR	
TOTAL DRILL PIPE ABOVE K.B. 10	H	Alpine @ 4494	
REMARKS:	H	5' Perfs	4498
Sampler	H	5' Perfs	4503
Gas 1.8 cu ft	H	1' Perfs	4508
Oil 0	H		
Mud 2600 ml	H		
Water 0	H		
Pressure 1000#	H		
Total 4000 ml	H		
	H	AK-1 @ 4511	
	H		
	H	BULLNOSE 5'	4514
	H	T.D.	4514

TK# 13198 DST# 1 Frances # 1-29 R. E. Blaik, Inc.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

R:	0.00	2179.09
B:	0.00	33.09
C:	29.00	108.15
D:	58.00	1584.98
E:	0.00	45.81
F:	43.00	74.59
G:	89.50	1587.82
Q:	0.00	2150.01

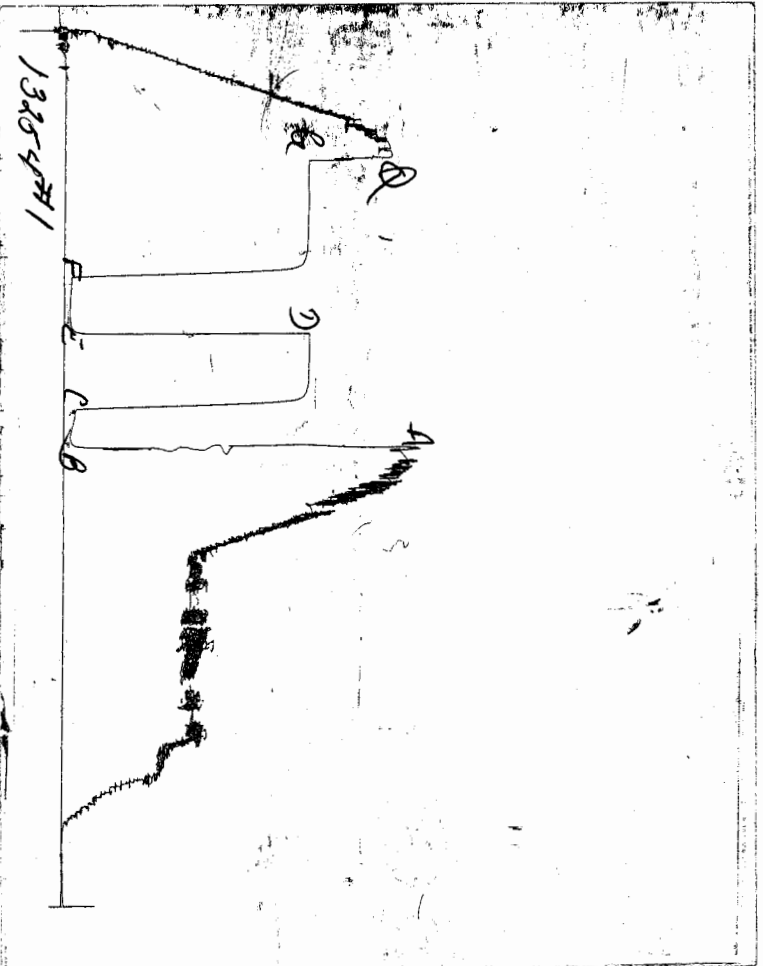


Pressure (PSig)

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

FLUID SAMPLER DATA

Ticket No. 13198 Date 7-12-00
Company Name R.E. Blaik, Inc
Lease Frances # 1-29 Test No. 1
County Clark - Ks. Sec. 29 Twp. 32 Rng. 22

SAMPLER RECOVERY

Gas 1.8 cu. ft ML
Oil 0 ML
Mud 2600 ML
Water 0 ML
Other _____ ML
Pressure 1000 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 13,600 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 47
Mud Weight 8.9
Filtrate 10
Other 3# LCM

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13198

Test Ticket

Well Name & No. <u>Frances #1-29</u>	Test No. <u>1</u>	Date <u>7-12-00</u>
Company <u>R.E. Blaik, Inc</u>	Zone Tested <u>Leasing</u>	
Address <u>P.O. Box 1375, Oklahoma City, Okla. 73101</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Mike Smith</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u>	Twp. <u>32</u>	Rge. <u>22</u> Co. <u>Clark</u> State <u>Ks</u>
No. of Copies <u>8</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) _____

Interval Tested <u>4492 - 4514</u>	Initial Str Wt./Lbs. <u>74,000</u>	Unseated Str Wt./Lbs. <u>74,000</u>
Anchor Length <u>22</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>100,000</u>
Top Packer Depth <u>4487</u>	Tool Weight <u>1600</u>	
Bottom Packer Depth <u>4492</u>	Hole Size — 7 7/8" _____	Rubber Size — 6 3/4" _____
Total Depth <u>4514</u>	Wt. Pipe Run _____	Drill Collar Run <u>391</u>
Mud Wt. <u>8.9</u> LCM <u>3#</u> Vis. <u>47</u> WL <u>10</u>	Drill Pipe Size <u>4.5XH</u>	Ft. Run <u>4080</u>
Blow Description <u>I.F. Strong - B.O.B. in 30 SECS. GTS in 16 min.</u>		

F.I. Strong - B.O.B. as soon as tool opened

Recovery — Total Feet <u>150</u>	GIP <u>GTS</u>	Ft. in DC <u>150</u>	Ft. in DP _____
Rec. <u>150</u>	Feet Of <u>Gassy Mud</u>	<u>30</u> %gas	%oil _____ %water <u>70</u> %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>106</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>13,600</u> ppm System _____

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2161</u>	<u>2179</u>	PSI	Recorder No. <u>3024</u>	T-On Location <u>04:00</u>	
(B) First Initial Flow Pressure	<u>35</u>	<u>33</u>	PSI	(depth) <u>4494</u>	T-Started <u>04:32</u>	
(C) First Final Flow Pressure	<u>71</u>	<u>108</u>	PSI	Recorder No. <u>13254</u>	T-Open <u>07:36</u>	
(D) Initial Shut-In Pressure	<u>1542</u>	<u>1585</u>	PSI	(depth) <u>4511</u>	T-Pulled <u>11:21</u>	
(E) Second Initial Flow Pressure	<u>35</u>	<u>46</u>	PSI	Recorder No. _____	T-Out <u>13:50</u>	
(F) Second Final Flow Pressure	<u>47</u>	<u>75</u>	PSI	(depth) _____	T-Off Location _____	
(G) Final Shut-in Pressure	<u>1553</u>	<u>1588</u>	PSI	Initial Opening <u>30</u>	Test <u>700</u>	
(Q) Final Hydrostatic Mud	<u>2056</u>	<u>2150</u>	PSI	Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200</u>	
				Final Flow <u>45</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>	
				Final Shut-in <u>90</u>	Straddle _____	
					Circ. Sub _____	
					Sampler <input checked="" type="checkbox"/> <u>200</u>	
					Extra Packer _____	
					Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>	
					Mileage _____	
					Other <u>ext 30</u>	
					TOTAL PRICE \$ <u>1330</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 Blaik

Our Representative Dan Bangle

9-18

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: 20003899 **Analyzed:** 07/18/00

Sample From: Frances 1-29 DST 1 **Pressure:**
Producer: R. E. Blaik **Temperature:**

Date: 07-22-00

Time: **County:** Clark
Sampler: **State:** Kansas
Source: **Formation:** Lansing

	Mole %	GPM
Helium	He: 0.242	0.000
Hydrogen	H2: 0.001	0.000
Oxygen	O2: 0.036	0.000
Nitrogen	N2: 14.890	0.000
Carbon Dioxide	CO2: 0.042	0.000
Methane	C1: 68.108	0.000
Ethane	C2: 5.692	1.522
Propane	C3: 5.750	1.584
Iso Butane	iC4: 1.254	0.410
Normal Butane	nC4: 2.258	0.712
Iso Pentane	iC5: 0.586	0.214
Normal Pentane	nC5: 0.541	0.196
Hexanes Plus	C6+: 0.600	0.262

TOTAL: 100.000 4.901

Z Fact: 0.9969

SP.GR.: 0.7899

BTU (SAT): 1110.1 @ 14.73 psia

BTU (DRY): 1129.7 @ 14.73 psia

OCTANE RATING: 104.2

COMMENTS:

0.036