

15-035-24123

TRILOBITE TESTING L.L.C.

8-30s-8E

OPERATOR : Howard Walsh Jr. Oper, Inc
 WELL NAME: Ferguson #8-1
 LOCATION : 8-30s-8e Cowley co KS
 INTERVAL : 2356.00 To 2440.00 ft

DATE 02/05/200

KB 1421.00 ft TICKET NO: 12079 DST #1
 GR 1411.00 ft FORMATION: Pawnee-Fort
 TD 2440.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1907 to 1937 hr
SI 60 Range (Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1937 to 2037 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 2037 to 2137 hr
FS 90 Depth (ft)	2437.0	2437.0	2362.0	0.0	0.0	FS Fr. 2137 to 2307 hr

	Field	1	2	3	4	
A. Init Hydro	1268.0	1276.0	1186.0	0.0	0.0	T STARTED 1653 hr
B. First Flow	85.0	94.0	49.0	0.0	0.0	T ON BOTM 1904 hr
B1. Final Flow	75.0	82.0	53.0	0.0	0.0	T OPEN 1907 hr
C. In Shut-in	479.0	500.0	499.0	0.0	0.0	T PULLED 2307 hr
D. Init Flow	75.0	82.0	53.0	0.0	0.0	T OUT 0100 hr
E. Final Flow	75.0	87.0	56.0	0.0	0.0	
F. Fl Shut-in	436.0	451.0	440.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1279.0	1210.0	1206.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 52000.00 lbs
						Initial Str Wt 49000.00 lbs
						Unseated Str Wt 49000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.00 in
						D.C. Length 310.90 ft
						D.P. Length 2081.10 ft

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Drilling mud
 0.00 ft of 100% mud
 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

Intial Flow:
 Fair blow built to 4 1/2" in water.

Initial Shut-In:

Bled down for 2 minutes. No blow back.

Final Flow:

Dead blow. Waited 20 minutes. Flushed tool. No blow.

Final Shut-In:

No blow.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.60 lb/c
Vis.	47.00 S/L
W.L.	9.20 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	101.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	

Tester Darren L. Amerine
 Co. Rep. Rorer L. Martin
 Contr. Summit
 Rig # 1
 Unit # none
 Pump T. none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Ferguson

LOCATION : 8-30s-8e Cowley co KS

TICKET No. 12079 D.S.T. No. 1 DATE 02/05/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands1 Single Total 62

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 115

D.C. ABOVE TOOLS.Stands Single 8 Total 248.90

D.P. ABOVE TOOLS.Stands Single 67 Total 2081.10

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 2445

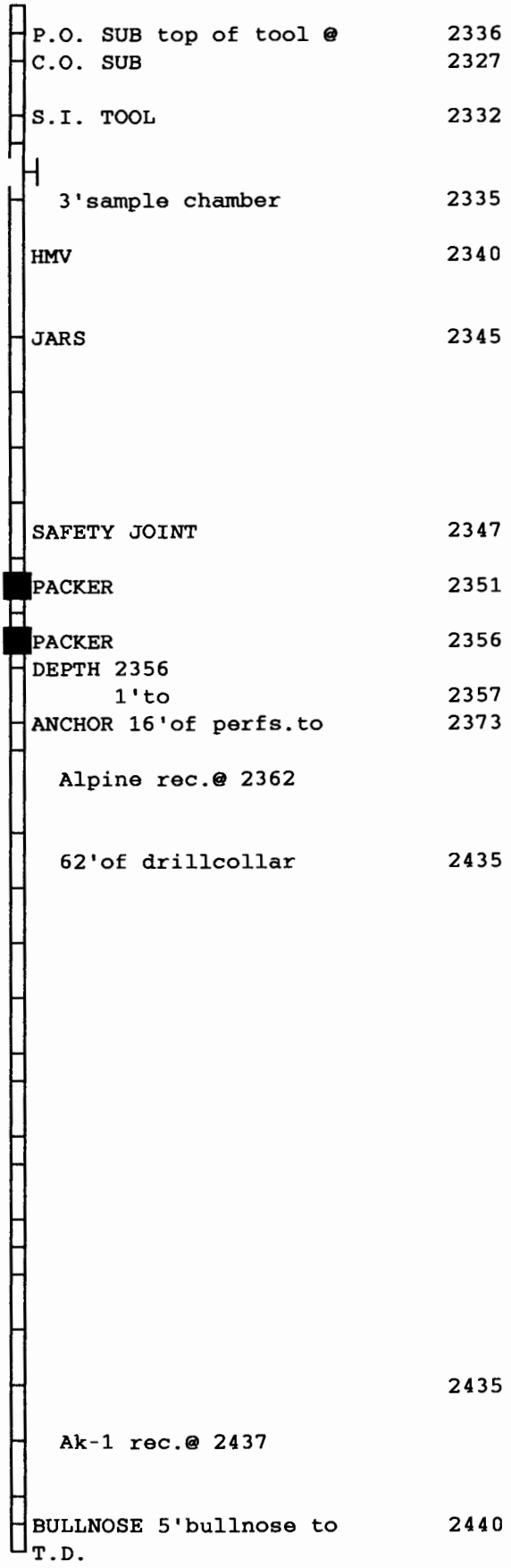
TOTAL DEPTH 2440

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

Fluid Sampler Data

Sampler recovery	Pit mud Analysis
Gas-----ML.	Chlorides---1200---ppm
oil-----ML.	res--5---ohms@--68--F'
mud---4000---ML.	viscosity-----47-----
water-----ML.	Mud wt.-----9.6-----
other-----ML.	filtrate-----9.2-----
pressure-100--PSI.	other---3#--LCM-----
Total---4000---ML.	



2435

Ak-1 rec.@ 2437

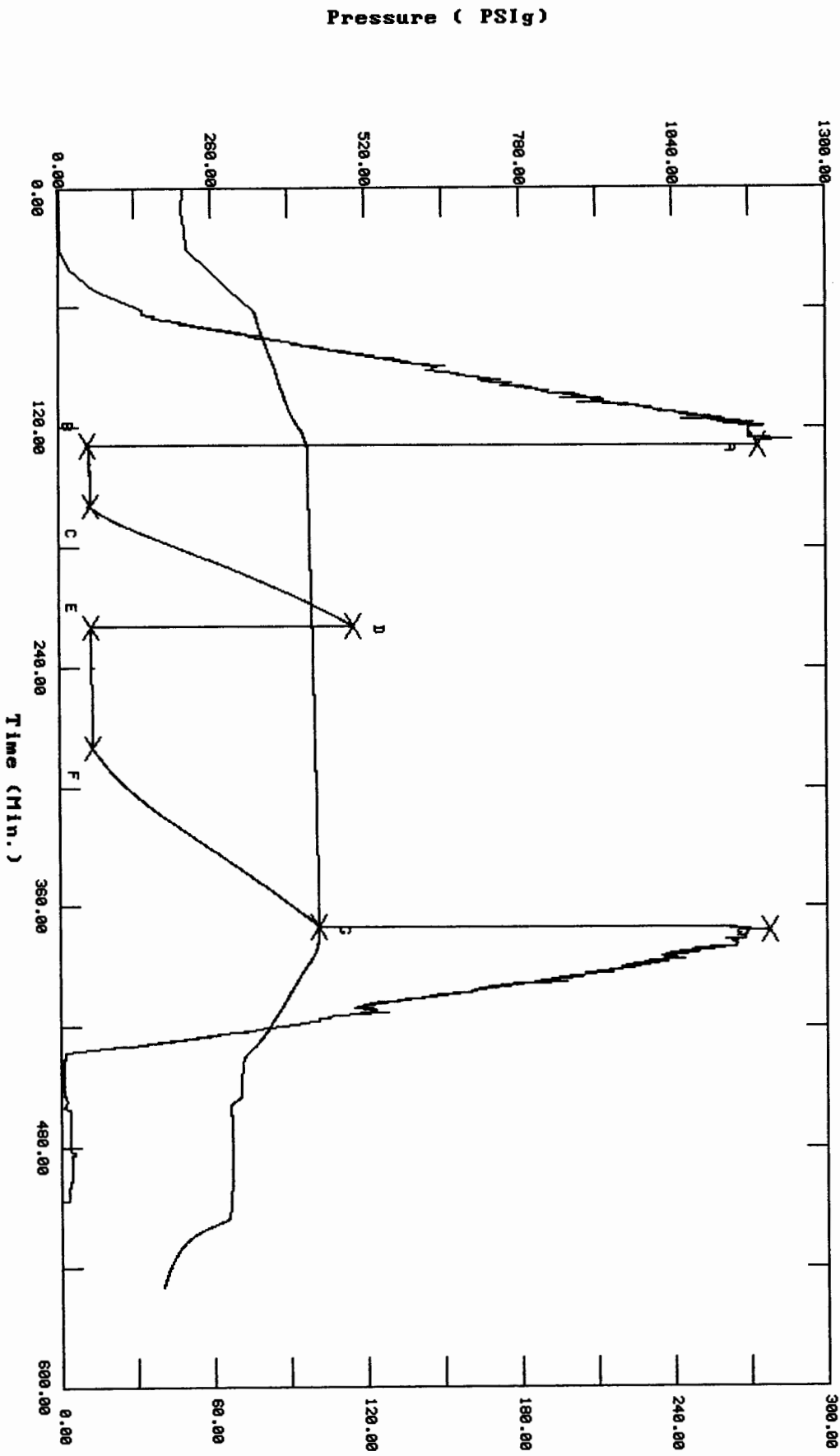
BULLNOSE 5'bullnose to T.D. 2440

TR#12079 DST#1 Ferguson #8-1 Howard Walsh Jr.

TEST HISTORY

Flag Points

(Min.)	(PSig)
A: 0.00	1185.56
B: 0.00	49.17
C: 29.75	52.87
D: 60.50	499.11
E: 0.00	53.12
F: 60.25	55.72
G: 90.00	440.11
H: 0.00	1205.61

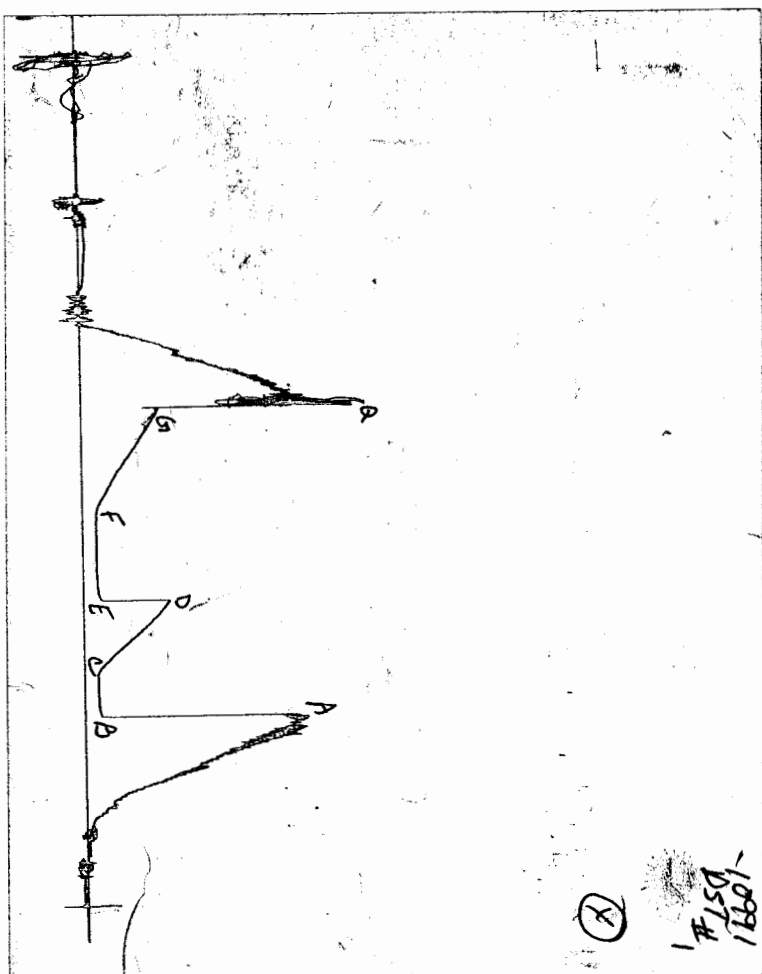


Pressure (PSig)

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. 12079 Date 02/05/2000
Company Name Howard Walsh Jr, Oper Co, Inc
Lease Ferguson #8-1 Test No. # 1
County Cowley Co, Ks Sec. 8 Twp. 30^s Rng. 8 E

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 ML
Water _____ ML
Other _____ ML
Pressure 100 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 1200 ppm.
Resistivity 5 ohms @ 68 F
Viscosity 47
Mud Weight 9.6
Filtrate 9.2
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 12079

Test Ticket

Well Name & No. <u>Ferguson #8-1</u>		Test No. <u>#1</u>	Date <u>02/05/2000</u>
Company <u>Howard Webb Sr. Oper, Co. Inc.</u>		Zone Tested <u>Lawnee & Ft. Scott</u>	
Address <u>500 W 7th St, Suite 1007 Fort Worth, Tx 76102-4782</u>		Elevation <u>1421</u> KB <u>1411</u> GL	
Co. Rep / Geo. <u>Roger L. Martin Cont. Summit</u>		Est. Ft. of Pay _____ Por. _____ %	
Location: Sec. <u>8</u>	Twp. <u>30S</u>	Rge. <u>8E</u>	Co. <u>Cowley</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>2356 - 2440</u>	Initial Str Wt/Lbs. <u>49,000</u>	Unseated Str Wt/Lbs. <u>49,000</u>
Anchor Length <u>84'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>52,000</u>
Top Packer Depth <u>2351'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>2356'</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>2440</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>310.90</u>
Mud Wt. <u>9.6</u> LCM <u>3#</u> Vis. <u>57</u> WL <u>9.2</u>	Drill Pipe Size <u>3 1/2 XH</u>	Ft. Run _____

Blow Description IF: Fair blow built to 4 1/2" in 0120
ISF: Bled down for 2 min. No blow pack
FF: Dead blow wait 20 min flush tool / No blow.
FST: No blow.

Recovery — Total Feet <u>60'</u>	GIP _____	Ft. in DC <u>60'</u>	Ft. in DP _____
Rec. <u>60'</u> Feet Of <u>Drilling</u>	%gas _____	%oil _____	%water <u>100</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>101°</u>	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>1200</u> ppm System _____

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1268</u>	<u>1186</u>	PSI Recorder No. <u>2350</u>	T-On Location <u>1600</u>
(B) First Initial Flow Pressure	<u>85</u>	<u>49</u>	PSI (depth) <u>2362'</u>	T-Started <u>1653</u>
(C) First Final Flow Pressure	<u>75</u>	<u>53</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1907</u>
(D) Initial Shut-In Pressure	<u>479</u>	<u>499</u>	PSI (depth) <u>2437'</u>	T-Pulled <u>2307</u>
(E) Second Initial Flow Pressure	<u>75</u>	<u>53</u>	PSI Recorder No. _____	T-Out <u>0100</u>
(F) Second Final Flow Pressure	<u>75</u>	<u>56</u>	PSI (depth) _____	T-Off Location <u>0300</u>
(G) Final Shut-in Pressure	<u>436</u>	<u>440</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1279</u>	<u>1206</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
			Final Shut-in <u>90</u>	Straddle _____

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Approved By Roger L. Martin
 Our Representative Darren J. Corvino

Circ. Sub _____
 Sampler 200
 Extra Packer _____
 Elec. Rec. _____
 Mileage _____
 Other etime 1 hr @ 30
 TOTAL PRICE \$ 1080