

15-051-25021

TRILOBITE TESTING L.L.C.

5-11s-20w

OPERATOR : Murfin Drilling Co., Inc.  
WELL NAME: Kenmark Fisher #1-5  
LOCATION : 5-11s-20w Ellis co KS  
INTERVAL : 3394.00 To 3425.00 ft

DATE 03-04-00  
KB 2089.00 ft TICKET NO: 12927 DST #1  
GR 2084.00 ft FORMATION: Lansing "C"  
TD 3425.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 1742 to 1812 hr
SI 45 Range (Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1812 to 1857 hr
SF 30 Clock (hrs)	12hr	12hr	elec			SF Fr. 1857 to 1927 hr
FS 45 Depth (ft )	3422.0	3422.0	3398.0	0.0	0.0	FS Fr. 1927 to 2012 hr

	Field	1	2	3	4	
A. Init Hydro	1722.0	1719.0	1625.0	0.0	0.0	T STARTED 1528 hr
B. First Flow	77.0	114.0	15.0	0.0	0.0	T ON BOTM 1738 hr
B1. Final Flow	77.0	98.0	18.0	0.0	0.0	T OPEN 1742 hr
C. In Shut-in	407.0	427.0	420.0	0.0	0.0	T PULLED 2012 hr
D. Init Flow	77.0	108.0	18.0	0.0	0.0	T OUT 2157 hr
E. Final Flow	77.0	88.0	18.0	0.0	0.0	
F. Fl Shut-in	330.0	347.0	350.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1701.0	1693.0	1646.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 42000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 240.00 ft
						D.P. Length 3165.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
5.00 ft of 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  
0.00 ft of  
0.00 ft of  
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical  
Weight 9.10 lb/cf  
Vis. 46.00 S/L  
W.L. 10.00 in3  
F.C. 0.00 in  
Mud Drop

BLOW DESCRIPTION

Initial Flow:  
Very weak blow died in 10 minutes.

Final Flow:  
No blow.

Amt. of fill 0.00 ft  
Btm. H. Temp. 100.00 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 Ray Schwager  
Co. Rep. Randy Killian  
Contr. Murfin Drlg.  
Rig # 8  
Unit #  
Pump T.

SAMPLES:  
SENT TO:

Test Successful: Y

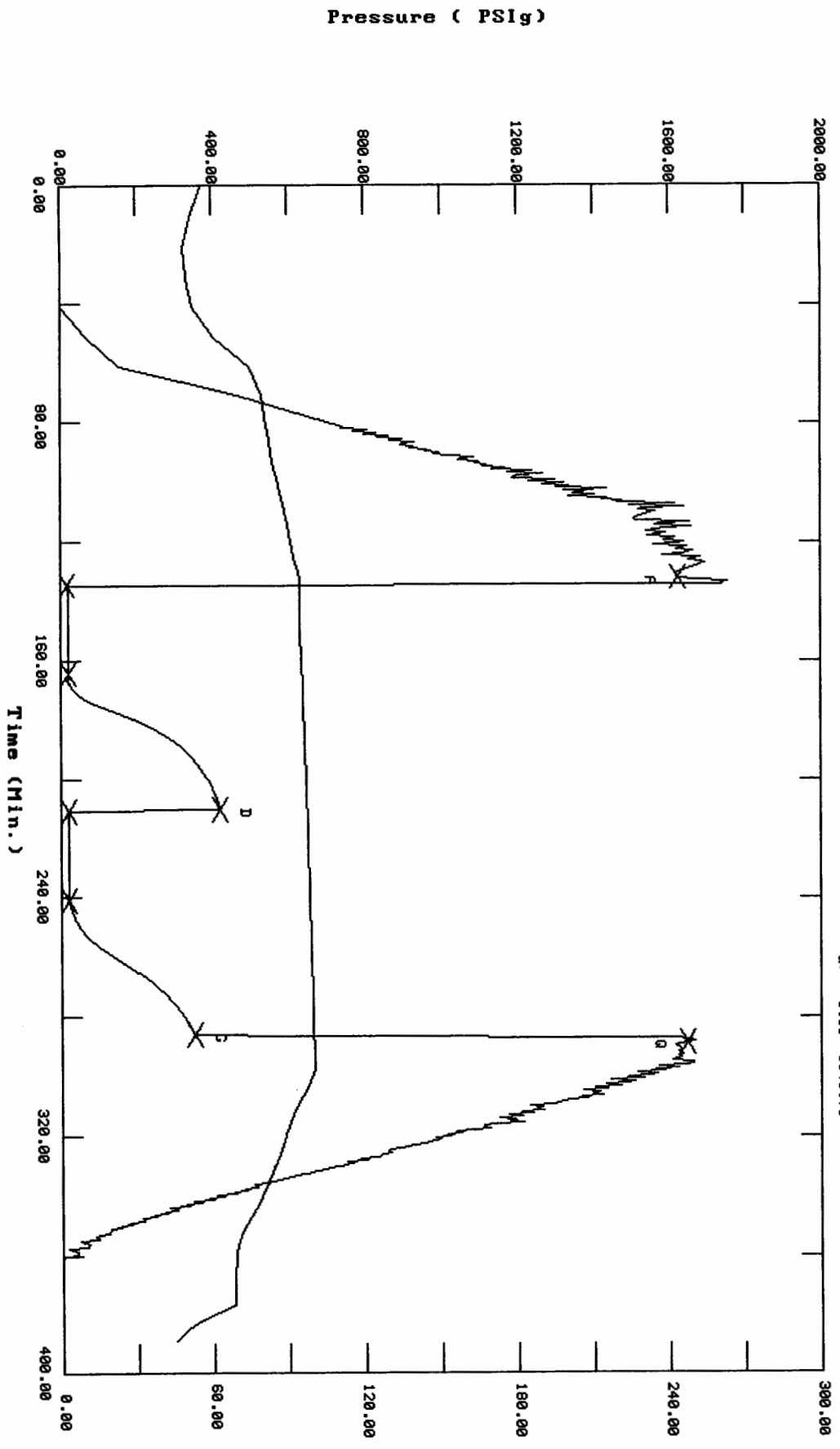


# TEST HISTORY

12927 DST#1 Kenmark Fisher #1-5 Murfin Drilling Co., Inc.

Flag Points

t (Min.)	P (PSIg)
A: 0.00	1625.29
B: 0.00	15.36
C: 30.00	18.57
D: 45.00	420.26
E: 0.00	18.09
F: 30.00	18.05
G: 45.00	350.70
H: 0.00	1546.76

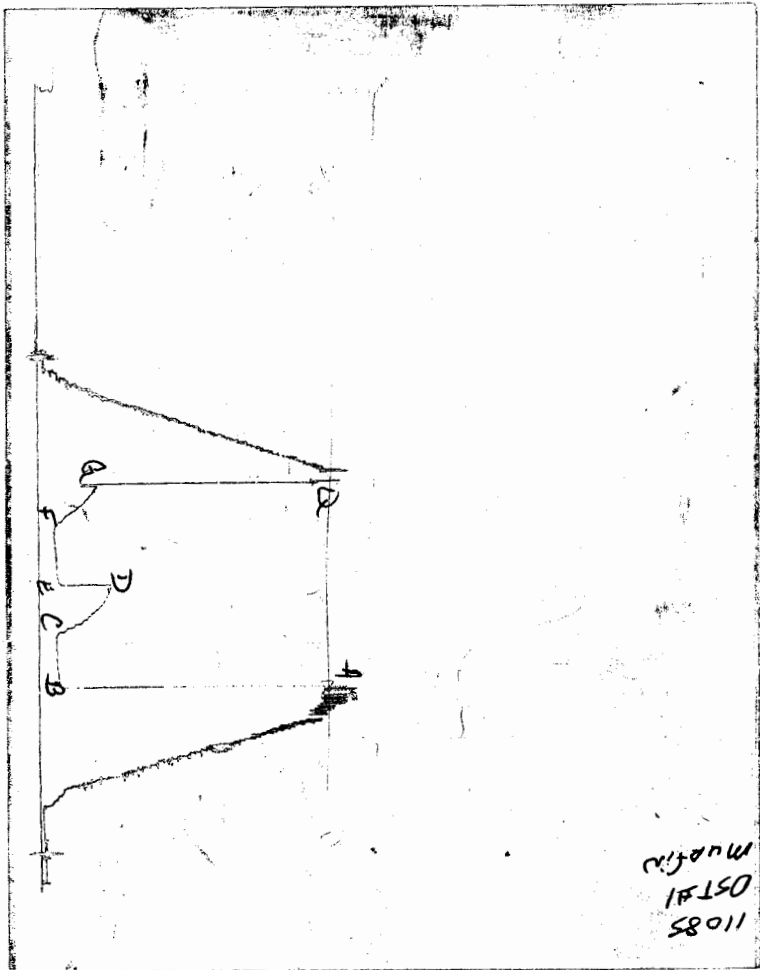


Temperature (DEG F)

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

N<sup>o</sup> 12927

## Test Ticket

Well Name & No. <u>Kenmark Fisher #1-5</u>		Test No. <u>1</u>	Date <u>3-9-00</u>
Company <u>Murfin Drilling Co., Inc.</u>		Zone Tested <u>Lansing 'C'</u>	
Address <u>250 N. WATER, SUITE 300 WICHITA, KS 67202</u>		Elevation <u>2089</u> KB <u>2084</u> GL	
Co. Rep / Geo. <u>Randy Killian</u>		Cont. <u>Murfin B</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>5</u>	Twp. <u>11<sup>s</sup></u>	Rge. <u>20<sup>w</sup></u>	Co. <u>Ellis</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u>N</u>

Interval Tested <u>3394-3425</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>31</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3389</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3394</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3425</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>240</u>
Mud Wt. <u>9.1</u> LCM <u>-</u> Vis. <u>46</u> WL <u>10</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3165</u>
Blow Description <u>IFP - Very weak blow died in 10 min</u> <u>FFP - NO BLOW</u>		

Recovery — Total Feet <u>5</u>	GIP <u>-</u>	Ft. in DC <u>5</u>	Ft. in DP <u>-</u>
Rec. <u>5</u> Feet Of <u>Mud</u>	%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 <u>100</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____	°F Chlorides _____	ppm Recovery _____	Chlorides <u>4900</u> ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1722</u>	<u>1625</u>		<u>3027</u>	<u>1430</u>
(B) First Initial Flow Pressure	<u>77</u>	<u>15</u>		(depth) <u>3398</u>	T-Started <u>1528</u>
(C) First Final Flow Pressure	<u>77</u>	<u>18</u>		Recorder No. <u>11085</u>	T-Open <u>1742</u>
(D) Initial Shut-In Pressure	<u>407</u>	<u>420</u>		(depth) <u>3422</u>	T-Pulled <u>2012</u>
(E) Second Initial Flow Pressure	<u>77</u>	<u>18</u>		Recorder No. <u>-</u>	T-Out <u>2157</u>
(F) Second Final Flow Pressure	<u>77</u>	<u>18</u>		(depth) <u>-</u>	T-Off Location <u>2200</u>
(G) Final Shut-in Pressure	<u>330</u>	<u>350</u>		Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1701</u>	<u>1646</u>		Initial Shut-in <u>45</u>	Jars _____
				Final Flow <u>30</u>	Safety Joint _____
				Final Shut-in <u>45</u>	Straddle _____

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 \_\_\_\_\_

Our Representative Ray Schwager Thankyou

Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Elec. Rec.  150  
 Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$  750

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co., Inc.  
 WELL NAME: Kenmark Fisher #1-5  
 LOCATION : 5-11-20w Ellis co KS  
 INTERVAL : 3423.00 To 3464.00 ft

DATE 03-05-00

KB 2089.00 ft TICKET NO: 12928 DST #2  
 GR 2084.00 ft FORMATION: Lansing D,E,F  
 TD 3464.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11085	11085	3027			PF Fr. 0816 to 0846 hr
SI 45	Range(Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0846 to 0931 hr
SF 30	Clock(hrs)	12hr	12hr	elec			SF Fr. 0931 to 1001 hr
FS 45	Depth(ft )	3436.0	3436.0	3428.0	0.0	0.0	FS Fr. 1001 to 1046 hr

	Field	1	2	3	4	
A. Init Hydro	1733.0	1737.0	1633.0	0.0	0.0	T STARTED 0620 hr
B. First Flow	77.0	112.0	19.0	0.0	0.0	T ON BOTM 0813 hr
Bl. Final Flow	77.0	88.0	23.0	0.0	0.0	T OPEN 0816 hr
C. In Shut-in	484.0	484.0	472.0	0.0	0.0	T PULLED 1046 hr
D. Init Flow	77.0	118.0	23.0	0.0	0.0	T OUT 1228 hr
E. Final Flow	77.0	85.0	33.0	0.0	0.0	
F. Fl Shut-in	462.0	461.0	453.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1722.0	1714.0	1634.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 42000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 240.00 ft
						D.P. Length 3173.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
 5.00 ft of Mud w/show of oil in tool  
 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  
 0.00 ft of  
 0.00 ft of

TOOL DATA-----  
 Tool Wt. 2000.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 50000.00 lbs  
 Initial Str Wt 42000.00 lbs  
 Unseated Str Wt 42000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.78 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 240.00 ft  
 D.P. Length 3173.00 ft

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

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.10 lb/ci  
 Vis. 46.00 S/L  
 W.L. 10.00 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

Initial Flow:  
 Very weak blow died in 14 minutes.

Final Flow:  
 No blow.

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  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Ray Schwager  
 Co. Rep. Randy Killian  
 Contr. Murfin Drlg.  
 Rig # 8  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

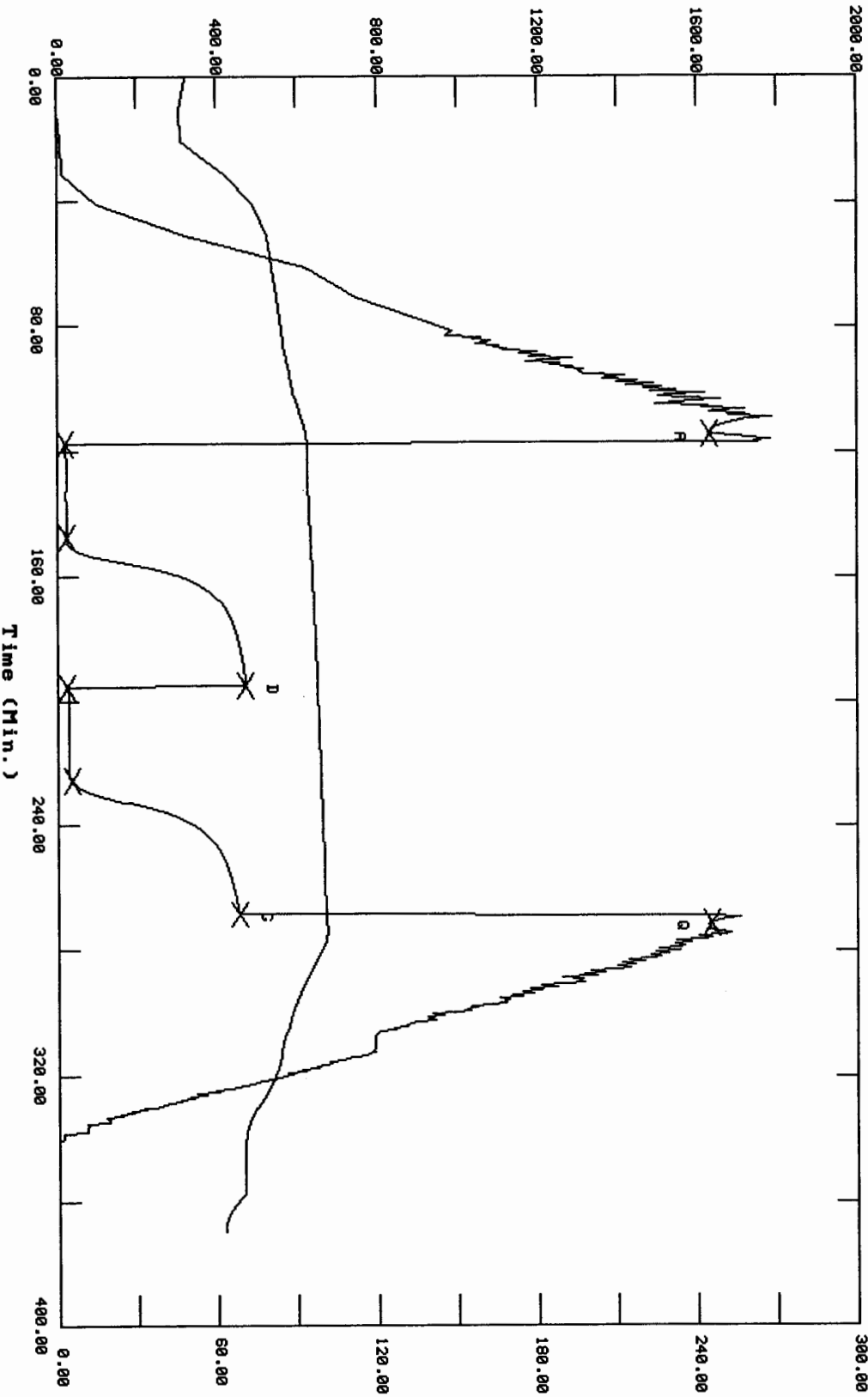


12928 DST#2 Kenmark Fisher #1-5 Murfin Drilling Co., Inc.

# TEST HISTORY

Flag Points  
 t(hin.) P(PSig)

A:	0.00	1633.97
B:	0.00	19.29
C:	30.00	23.50
D:	47.50	472.97
E:	0.00	23.86
F:	30.00	33.53
G:	43.00	453.68
Q:	0.00	1834.97

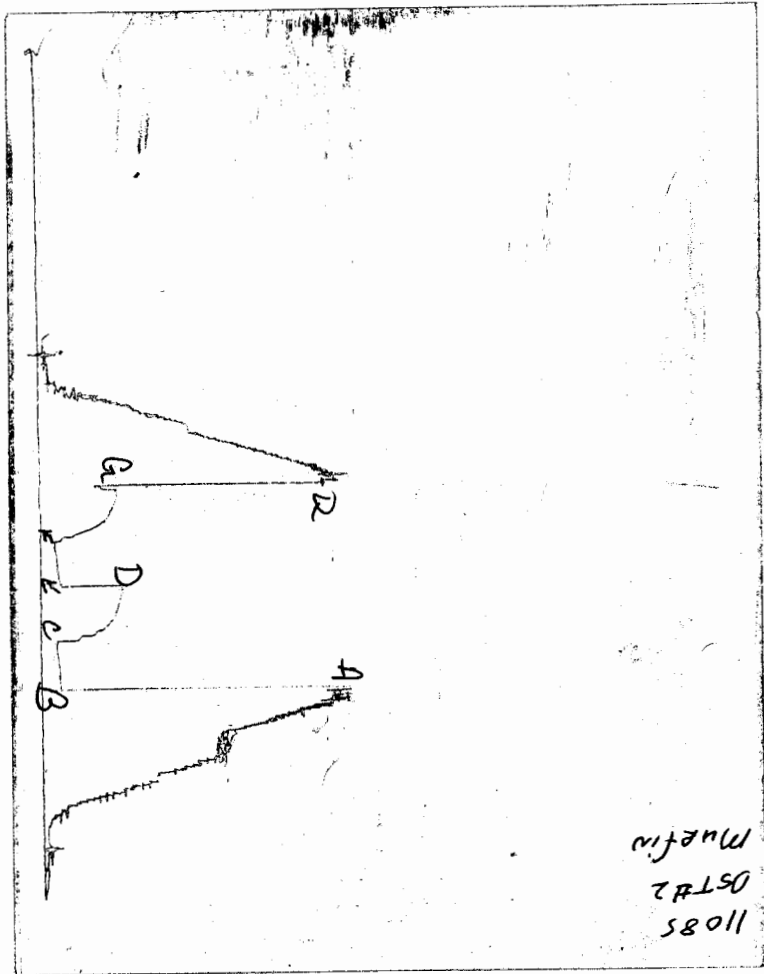


Pressure ( PSig )

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

No 12928

## Test Ticket

Well Name & No. <u>Kenmark Fisher #1-5</u>	Test No. <u>2</u>	Date <u>3-9-00</u>
Company <u>Murfin Drilling Co., Inc</u>	Zone Tested <u>LANSING D, E &amp; F</u>	
Address <u>250 N. WATER SUITE 300 WICHITA, KS 67202</u>	Elevation <u>2089</u>	KB <u>2084</u> GL
Co. Rep / Geo. <u>Randy Killian</u>	Cont. <u>MURFIN 8</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>5</u>	Twp. <u>11<sup>N</sup></u>	Rge. <u>20<sup>W</sup></u> Co. <u>ELLIS</u> State <u>K</u>
No. of Copies <u>By</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u>N</u>

Interval Tested <u>3423-3464</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>41</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3418</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3423</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3464</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>240</u>
Mud Wt. <u>9.1</u> LCM <u>-</u> Vis. <u>46</u> WL <u>10</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3173</u>
Blow Description <u>IEP - VERY WEAK BLOW DIED IN 14 MIN</u> <u>FFP - NO BLOW</u>		

Recovery — Total Feet <u>5</u>	GIP <u>-</u>	Ft. in DC <u>5</u>	Ft. in DP <u>-</u>
Rec. <u>5</u> Feet Of <u>Mud</u>	%gas	%oil	%water %mud
Rec. Feet Of <u>w/show of oil in Tool</u>	%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 <u>-</u>	°API D@ <u>-</u>	°F Corrected Gravity <u>-</u>	°API
RW <u>-</u> @ <u>-</u> °F Chlorides <u>-</u>	ppm Recovery	Chlorides <u>6000</u>	ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1733</u>	Alpine <u>1633</u>	PSI Recorder No. <u>3027</u>	T-On Location <u>0600</u>
(B) First Initial Flow Pressure	<u>77</u>	<u>19</u>	PSI (depth) <u>3428</u>	T-Started <u>0620</u>
(C) First Final Flow Pressure	<u>77</u>	<u>23</u>	PSI Recorder No. <u>11085</u>	T-Open <u>0816</u>
(D) Initial Shut-In Pressure	<u>484</u>	<u>472</u>	PSI (depth) <u>3436</u>	T-Pulled <u>1046</u>
(E) Second Initial Flow Pressure	<u>77</u>	<u>23</u>	PSI Recorder No. <u>-</u>	T-Out <u>1228</u>
(F) Second Final Flow Pressure	<u>77</u>	<u>33</u>	PSI (depth) <u>-</u>	T-Off Location <u>1250</u>
(G) Final Shut-in Pressure	<u>462</u>	<u>453</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1722</u>	<u>1634</u>	PSI Initial Shut-in <u>45</u>	Jars
			Final Flow <u>30</u>	Safety Joint
			Final Shut-in <u>45</u>	Straddle

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Approved By \_\_\_\_\_

Our Representative RAY SCHWAGER

Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Elec. Rec.  150  
 Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$  750

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co., Inc.  
 WELL NAME: Kenmark Fisher #1-5  
 LOCATION : 5-11s-20w Ellis co KS  
 INTERVAL : 3519.00 To 3590.00 ft

DATE 03-05-00

KB 2089.00 ft TICKET NO: 12929 DST #3  
 GR 2084.00 ft FORMATION: Lansing I-L  
 TD 3590.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0440 to 0510 hr
SI 60 Range (Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0510 to 0610 hr
SF 60 Clock (hrs)	12hr	12hr	elec			SF Fr. 0610 to 0710 hr
FS 120 Depth (ft )	3532.0	3532.0	3525.0	0.0	0.0	FS Fr. 0710 to 0910 hr

	Field	1	2	3	4	
A. Init Hydro	1777.0	1792.0	1727.0	0.0	0.0	T STARTED 0234 hr
B. First Flow	88.0	68.0	19.0	0.0	0.0	T ON BOTM 0437 hr
Bl. Final Flow	132.0	106.0	82.0	0.0	0.0	T OPEN 0440 hr
C. In Shut-in	506.0	475.0	512.0	0.0	0.0	T PULLED 0910 hr
D. Init Flow	154.0	124.0	79.0	0.0	0.0	T OUT 1110 hr
E. Final Flow	165.0	145.0	117.0	0.0	0.0	
F. Fl Shut-in	669.0	633.0	671.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1777.0	1754.0	1708.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 58000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 240.00 ft
						D.P. Length 3259.00 ft

RECOVERY

Tot Fluid 270.00 ft of 240.00 ft in DC and 30.00 ft in DP  
 210.00 ft of Gas in pipe.  
 180.00 ft of Clean oil  
 0.00 ft of 100% oil  
 90.00 ft of Heavily oil cut gassy mud  
 0.00 ft of 5% gas 45% oil 50% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 40.00

BLOW DESCRIPTION

Initial Flow:  
 Weak blow throughout 1/2" to 3" blow.

Final Flow:  
 Weak building to a fair blow. 2" to 5 1/2" blow.

SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	
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	Ray Schwager
Co. Rep.	Randy Killian
Contr.	Murfin Drlg.
Rig #	8
Unit #	
Pump T.	

Test Successful: Y



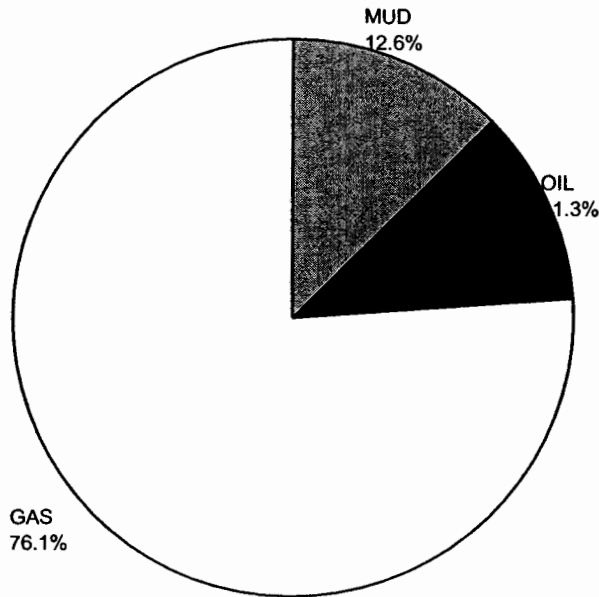
CALCULATED RECOVERY ANALYSIS

DST 3

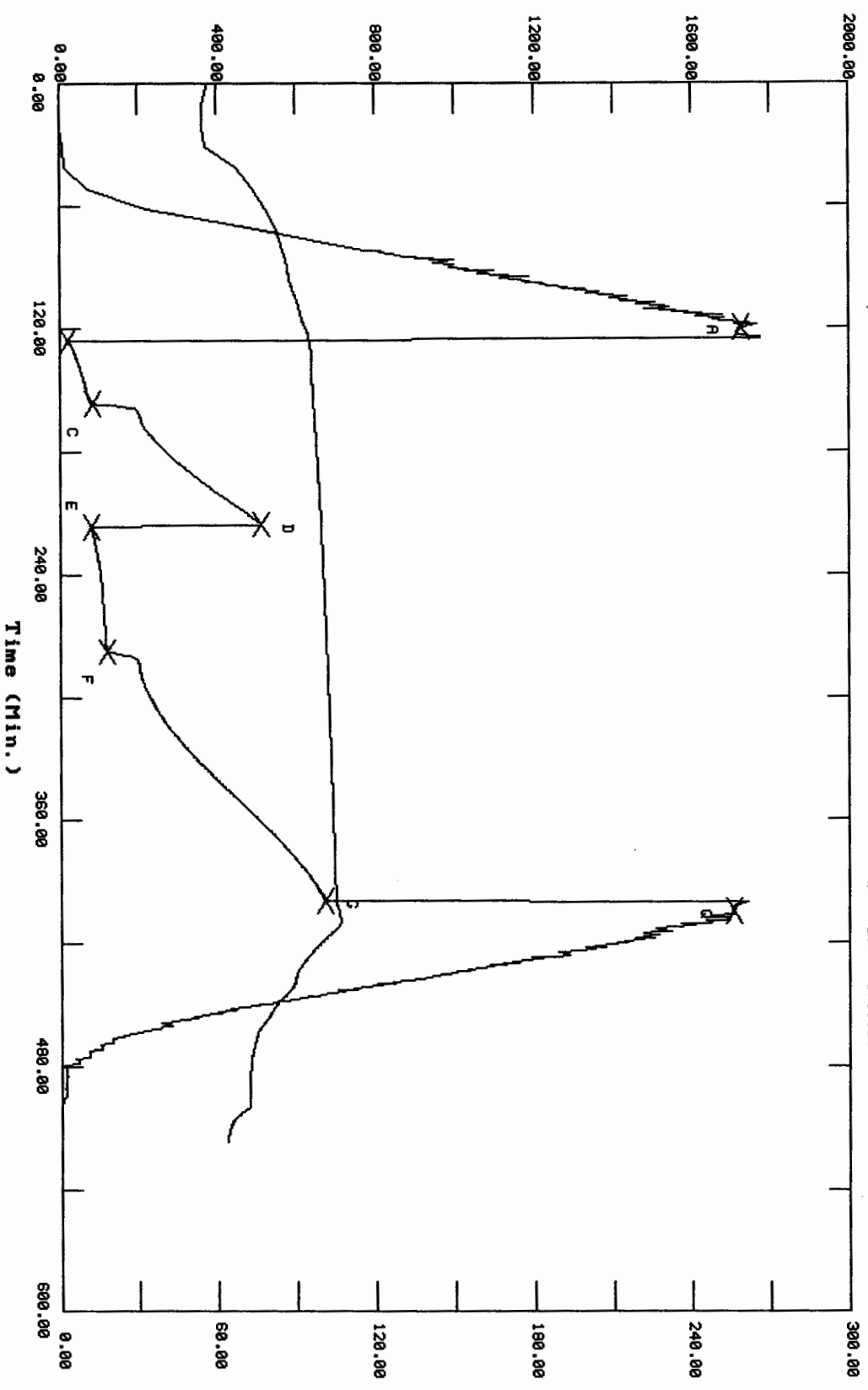
TICKET 12929

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL	1	30	100	30	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	180	100	180	0	0	0	0	0	0
COLLARS	2	180	0	0	100	0	0	0	0	0
	3	90	5	4.5	45	40.5	0	0	50	45
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		480	0	214.5	0	40.5	0	0	0	45

BBL OIL= 0.198045 \* HRS OPEN 1.5 = BBL/DAY 3.16872  
 BBL WATER= 0 \* = 0  
 BBL MUD= 0.22005  
 BBL GAS = 1.328805



**TEST HISTORY**  
 12929 DST#3 Kemmark Fisher #1-5 Murfin Drilling Co., Inc.

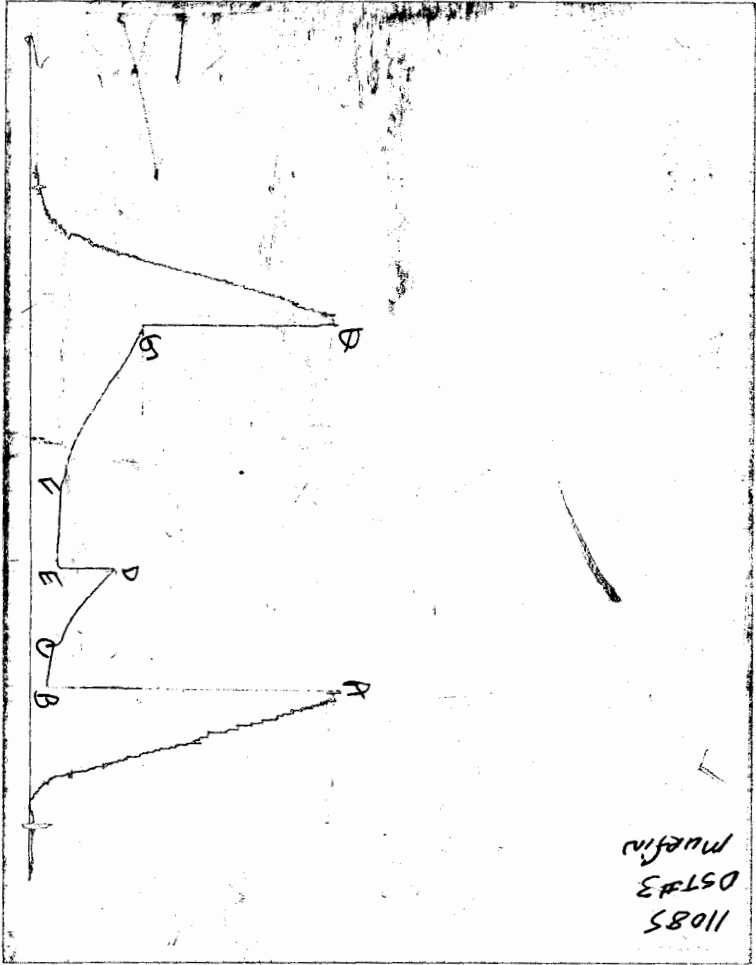


Flag Points

Time (Min.)	Pressure (PSIg)
A: 0.00	1727.79
B: 0.00	19.57
C: 30.50	82.26
D: 59.00	512.74
E: 61.50	79.65
F: 61.50	117.58
G: 121.50	671.16
G: 0.00	1709.05

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

No 12929

## Test Ticket

Well Name & No. Kenmark Fisher #1-5 Test No. 3 Date 3-5-00  
 Company Martin Drilling Co., Inc Zone Tested Leasing I-L  
 Address 250 N. WATER Suite 300 Wichita, Ks 67202 Elevation 2089 KB 2084 GL  
 Co. Rep / Geo. Randy Killian Cont. Martin S Est. Ft. of Pay - Por. - %  
 Location: Sec. 5 Twp. 11 Rge. 20 Co. Ellis State Ks  
 No. of Copies Log Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3519-3590 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000  
 Anchor Length 21 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 58000  
 Top Packer Depth 3514 Tool Weight 2000  
 Bottom Packer Depth 3519 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 3590 Wt. Pipe Run - Drill Collar Run 240  
 Mud Wt. 91 LCM - Vis. 46 WL 10:4 Drill Pipe Size 4 1/2 X H Ft. Run 3259  
 Blow Description IFP - WEAK Blow throughout 1/2" To 3" Blow  
FFP - WEAK building To A Fair Blow 2" To 5 1/2" Blow

Recovery — Total Feet 270 GIP 210 Ft. in DC 240 Ft. in DP 30  
 Rec. 180 Feet Of Clean Oil %gas %oil %water %mud  
 Rec. 90 Feet Of HOCGM 5 %gas 45 %oil %water 50 %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 106 °F Gravity 40 °API D@ 60 °F Corrected Gravity 40 °API  
 RW - @ - °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 6100 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	1777	1727	3027	0210
(B) First Initial Flow Pressure	88	19	(depth) 3525	T-Started 0239
(C) First Final Flow Pressure	132	82	PSI Recorder No. 11085	T-Open 0440
(D) Initial Shut-In Pressure	506	512	PSI (depth) 3532	T-Pulled 0910
(E) Second Initial Flow Pressure	154	79	PSI Recorder No. -	T-Out 1110
(F) Second Final Flow Pressure	165	117	PSI (depth) -	T-Off Location 1140
(G) Final Shut-in Pressure	669	671	PSI Initial Opening 30	Test <input checked="" type="checkbox"/> 600
(Q) Final Hydrostatic Mud	1777	1708	PSI Initial Shut-in 60	Jars _____
			Final Flow 60	Safety Joint _____
			Final Shut-in 120	Straddle _____

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 \_\_\_\_\_

Our Representative Ray Schwager Thank you

Extra Packer \_\_\_\_\_  
 Elec. Rec.  150  
 Mileage \_\_\_\_\_  
 Other et 1 hr @ 30  
 TOTAL PRICE \$  780

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co., Inc.  
 WELL NAME: Kenmark Fisher #1-5  
 LOCATION : 5-11s-20w Ellis co KS  
 INTERVAL : 3671.00 To 3689.00 ft

DATE 03-05-00  
 KB 2089.00 ft TICKET NO: 12930 DST #4  
 GR 2084.00 ft FORMATION: Arbuckle  
 TD 3689.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 2330 to 0000 hr
SI 60 Range(Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0000 to 0100 hr
SF 60 Clock(hrs)	12hr	12hr	elec			SF Fr. 0100 to 0200 hr
FS 120 Depth(ft )	3686.0	3686.0	3674.0	0.0	0.0	FS Fr. 0200 to 0400 hr

	Field	1	2	3	4	
A. Init Hydro	1874.0	1875.0	1873.0	0.0	0.0	T STARTED 2138 hr
B. First Flow	132.0	96.0	21.0	0.0	0.0	T ON BOTM 2327 hr
B1. Final Flow	143.0	106.0	123.0	0.0	0.0	T OPEN 2330 hr
C. In Shut-in	1158.0	1130.0	1166.0	0.0	0.0	T PULLED 0400 hr
D. Init Flow	187.0	176.0	123.0	0.0	0.0	T OUT 0633 hr
E. Final Flow	264.0	246.0	208.0	0.0	0.0	
F. Fl Shut-in	1158.0	1122.0	1141.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1852.0	1851.0	1824.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 540.00 ft of 240.00 ft in DC and 300.00 ft in DP  
 500.00 ft of Clean oil  
 0.00 ft of 100% oil  
 40.00 ft of Muddy oil  
 0.00 ft of 85% oil 15% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

Unseated Str Wt 46000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.78 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 240.00 ft  
 D.P. Length 3422.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 22.00

BLOW DESCRIPTION

Initial Flow:  
 Weak blow to a strong blow in 28 minutes.  
 Final Flow:  
 Weak blow throughout. 1/2" to 2 1/2" blow.  
 Final Shut-In:  
 Blow back.

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.10 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. 113.00 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 Ray Schwager  
 Co. Rep. Randy Killian  
 Contr. Murfin Drlg.  
 Rig # 8  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

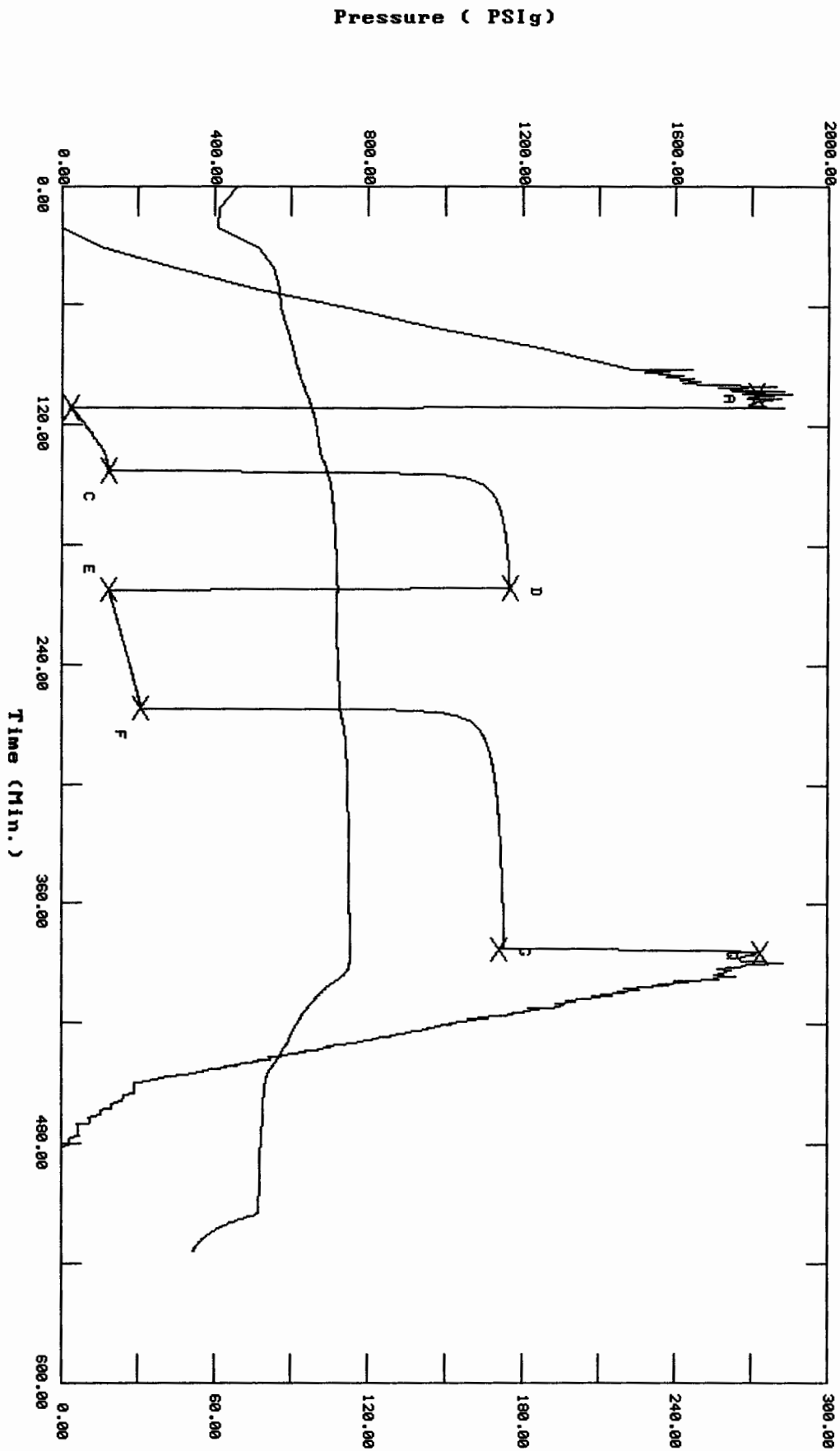


12930 DST#4 Kenmark Fisher #1-5 Murfin Drilling Co., Inc.

# TEST HISTORY

Flag Points

(Min.)	PK	PSig
A: 0.00	1813.73	
B: 0.00	21.49	
C: 31.00	123.55	
D: 59.00	1166.51	
E: 0.00	123.31	
F: 59.50	208.19	
G: 121.00	1141.20	
Q: 0.00	1824.81	

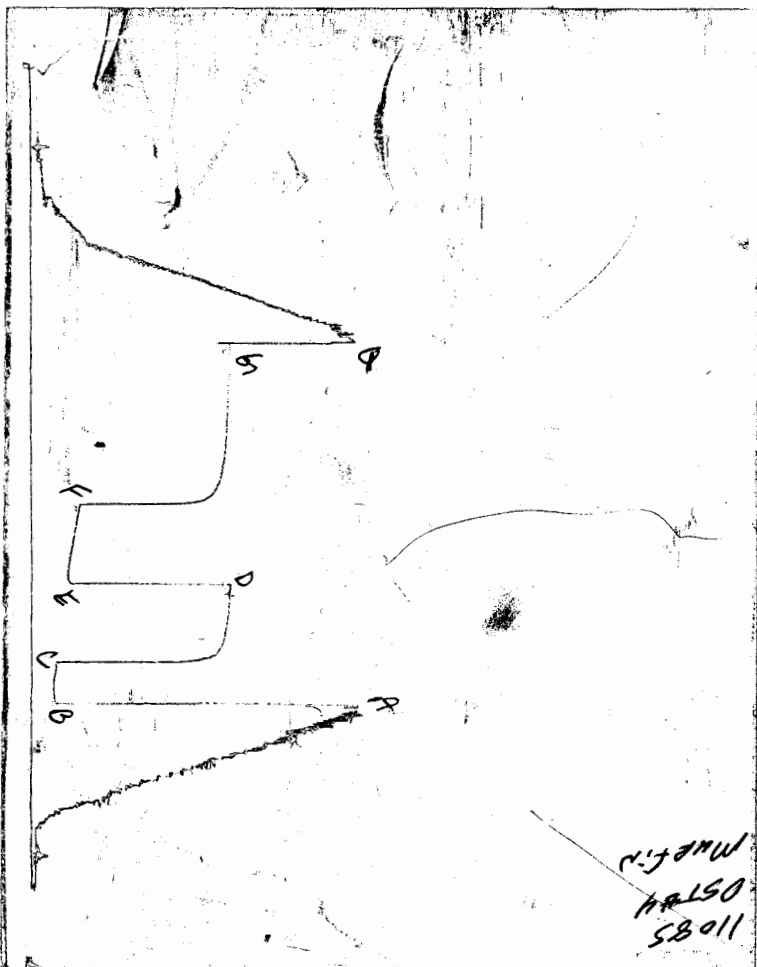


Temperature (DEG F)

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

N<sup>o</sup> 12930

## Test Ticket

Well Name & No. <u>Kenmark Fiske #1-5</u>	Test No. <u>4</u>	Date <u>3-5-00</u>
Company <u>Murfin Drilling Co., Inc</u>	Zone Tested <u>Arbuckle</u>	
Address <u>250 N. WATER, SUITE 300 WICHITA, Ks 67202</u>		Elevation <u>2089</u> KB <u>2084</u> GL
Co. Rep / Geo. <u>Randy Killian</u>	Cont. <u>MURFIN 8</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>5</u>	Twp. <u>11<sup>s</sup></u>	Rge. <u>20<sup>w</sup></u> Co. <u>ELLIS</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested <u>3671-3689</u>	Initial Str Wt/Lbs. <u>44000</u>	Unseated Str Wt/Lbs. <u>46000</u>
Anchor Length <u>18</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3666</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3671</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3689</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>240</u>
Mud Wt. <u>9.1</u> LCM <u>2<sup>#</sup></u> Vis. <u>46</u> WL <u>10</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3422</u>
Blow Description <u>IFP - WEAK TO A STRONG BLOW IN 28 min</u> <u>FFP - WEAK BLOW THROUGHOUT 1/2" TO 2 1/2" BLOW</u> <u>HAD BLOW BACK ON SHUT-IN</u>		

Recovery — Total Feet <u>540</u>	GIP <u>-</u>	Ft. in DC <u>240</u>	Ft. in DP <u>300</u>
Rec. <u>500</u> Feet Of <u>CO</u>	%gas <u>-</u>	%oil <u>-</u>	%water <u>-</u> %mud <u>-</u>
Rec. <u>40</u> Feet Of <u>MO</u>	%gas <u>85</u>	%oil <u>-</u>	%water <u>15</u> %mud <u>-</u>
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
BHT <u>113</u> °F Gravity <u>22</u>	°API D <sub>60</sub> <u>60</u>	°F Corrected Gravity <u>22</u>	°API _____
RW <u>-</u> @ <u>-</u> °F Chlorides _____	ppm Recovery _____	Chlorides <u>6100</u>	ppm System _____

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1874</u>	<u>1873</u>		<u>3027</u>	<u>2100</u>
(B) First Initial Flow Pressure	<u>132</u>	<u>21</u>	PSI	(depth) <u>3674</u>	T-Started <u>2138</u>
(C) First Final Flow Pressure	<u>143</u>	<u>123</u>	PSI	Recorder No. <u>11085</u>	T-Open <u>2330</u>
(D) Initial Shut-In Pressure	<u>1158</u>	<u>1166</u>	PSI	(depth) <u>3686</u>	T-Pulled <u>0400</u>
(E) Second Initial Flow Pressure	<u>187</u>	<u>123</u>	PSI	Recorder No. <u>-</u>	T-Out <u>0633</u>
(F) Second Final Flow Pressure	<u>264</u>	<u>208</u>	PSI	(depth) <u>-</u>	T-Off Location <u>0700</u>
(G) Final Shut-in Pressure	<u>1158</u>	<u>1141</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1852</u>	<u>1824</u>	PSI	Initial Shut-in <u>60</u>	Jars _____
				Final Flow <u>60</u>	Safety Joint _____
				Final Shut-in <u>120</u>	Straddle _____

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Approved By _____	Mileage _____
Our Representative <u>Ray Schwager Thank you</u>	Other <u>at 2 hrs @ 30</u>
	TOTAL PRICE \$ <u>810</u>

TRILOBITE TESTING L.L.C.

OPERATOR : Murfin Drilling Co., Inc.  
 WELL NAME: Kenmark Fisher 1-5  
 LOCATION : 5-11s-20w Ellis co KS  
 INTERVAL : 3693.00 To 3718.00 ft

DATE 03-06-00

KB 2089.00 ft TICKET NO: 12931 DST #5  
 GR 2084.00 ft FORMATION: Arbuckle  
 TD 3718.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11085	11085	3027			PF Fr. 1848 to 1918 hr
SI 45	Range(Psi )	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 1918 to 2003 hr
SF 30	Clock(hrs)	12hr	12hr	elec			SF Fr. 2003 to 2033 hr
FS 60	Depth(ft )	3715.0	3715.0	3696.0	0.0	0.0	FS Fr. 2033 to 2133 hr

	Field	1	2	3	4	
A. Init Hydro	1917.0	1954.0	1812.0	0.0	0.0	T STARTED 1647 hr
B. First Flow	854.0	844.0	769.0	0.0	0.0	T ON BOTM 1845 hr
B1. Final Flow	1169.0	1147.0	1172.0	0.0	0.0	T OPEN 1848 hr
C. In Shut-in	1202.0	1194.0	1197.0	0.0	0.0	T PULLED 2133 hr
D. Init Flow	1202.0	1194.0	1174.0	0.0	0.0	T OUT 0022 hr
E. Final Flow	1223.0	1204.0	1198.0	0.0	0.0	
F. Fl Shut-in	1223.0	1207.0	1198.0	0.0	0.0	
G. Final Hydro	1874.0	1883.0	1815.0	0.0	0.0	
Inside/Outside	o	o	i			

RECOVERY

Tot Fluid 2580.00 ft of 240.00 ft in DC and 2340.00 ft in DP  
 180.00 ft of Muddy water  
 0.00 ft of 80% water 20% mud  
 24000.00 ft of Water  
 0.00 ft of 100% water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

TOOL DATA-----  
 Tool Wt. 2000.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 65000.00 lbs  
 Initial Str Wt 46000.00 lbs  
 Unseated Str Wt 58000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.78 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 240.00 ft  
 D.P. Length 3448.00 ft

SALINITY 28000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.30 lb/cf  
 Vis. 52.00 S/L  
 W.L. 8.40 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

Initial Flow:  
 Strong blow throughout.  
 Final Flow:  
 Weak to a strong blow in 5 minutes.

Final Shut-In:  
 No blow.

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 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Ray Schwager  
 Co. Rep. Randy Killian  
 Contr. Murfin Drilling  
 Rig # 8  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Kenmark Fisher 1-5

LOCATION : 5-11s-20w Ellis co KS

TICKET No. 12931 D.S.T. No. 5 DATE 03-06-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 20

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 25

TOTAL TOOL ..... 45

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands4 Single Total 240

D.P. ABOVE TOOLS.Stands55 Single 1 Total 3448

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3733

TOTAL DEPTH ..... 3718

TOTAL DRILL PIPE ABOVE K.B. .... 15

REMARKS:

RW .27 @ 67F

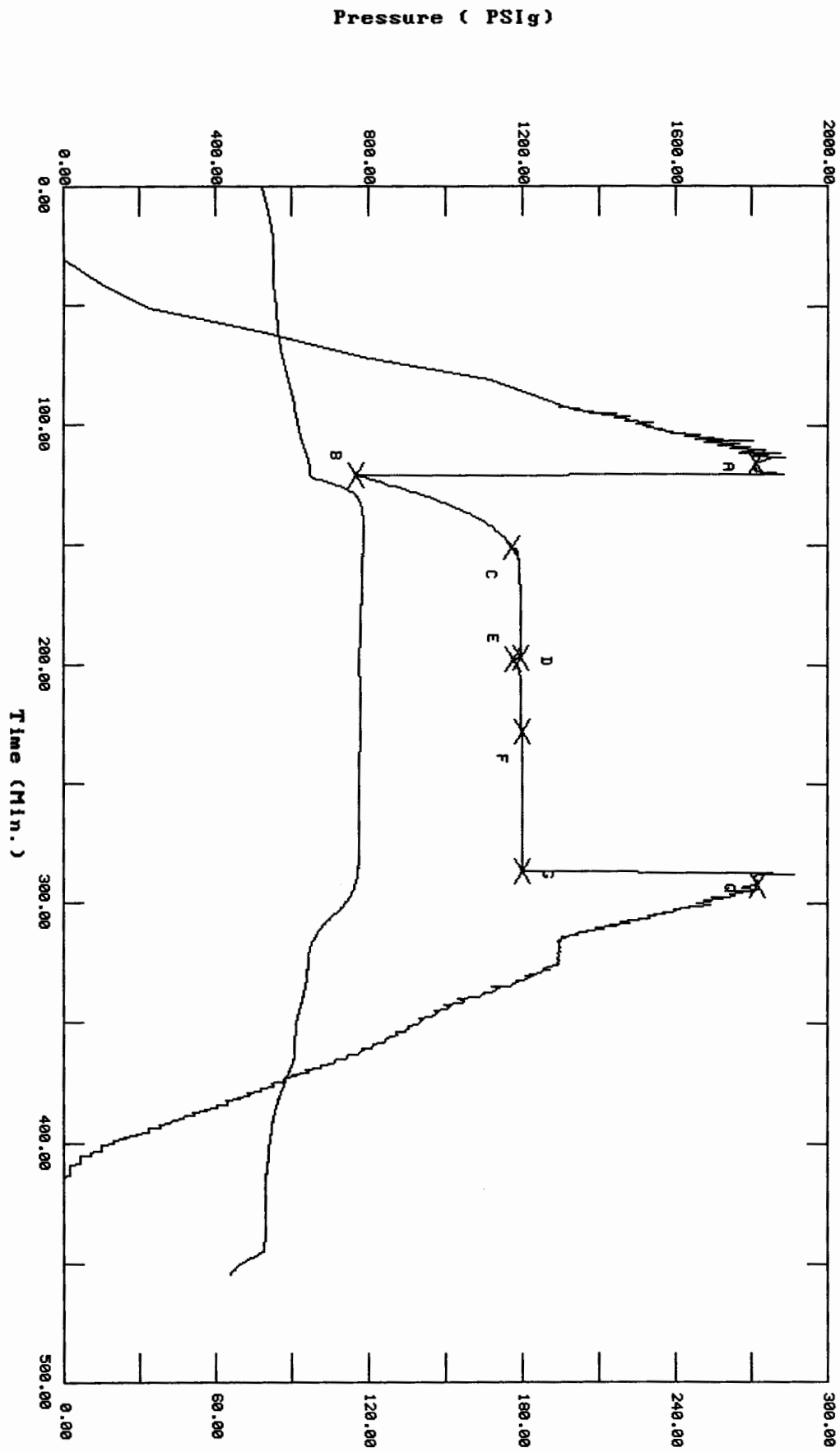
P.O. SUB	3551
C.O. SUB	3673
S.I. TOOL	3678
HMV	3683
JARS	
SAFETY JOINT	
PACKER	3688
PACKER	3693
DEPTH	3694
ANCHOR 5'perf	3699
5' "	3704
5' "	3709
Alpine@3696	
Ak-1 @3715	
5'perf	3714
1' "	3715
BULLNOSE 3'bullplug	3718
T.D.	3718

12931 DST#5 Kenmark Fisher #1-5 Murfin Drilling Co., Inc.

# TEST HISTORY

Flag Points

t(Min.)	P (PSIG)
A:	0.00 1812.51
B:	0.00 769.25
C:	30.00 1172.08
D:	46.00 1197.07
E:	0.00 1174.74
F:	30.50 1198.11
G:	58.50 1198.55
Q:	0.00 1815.77

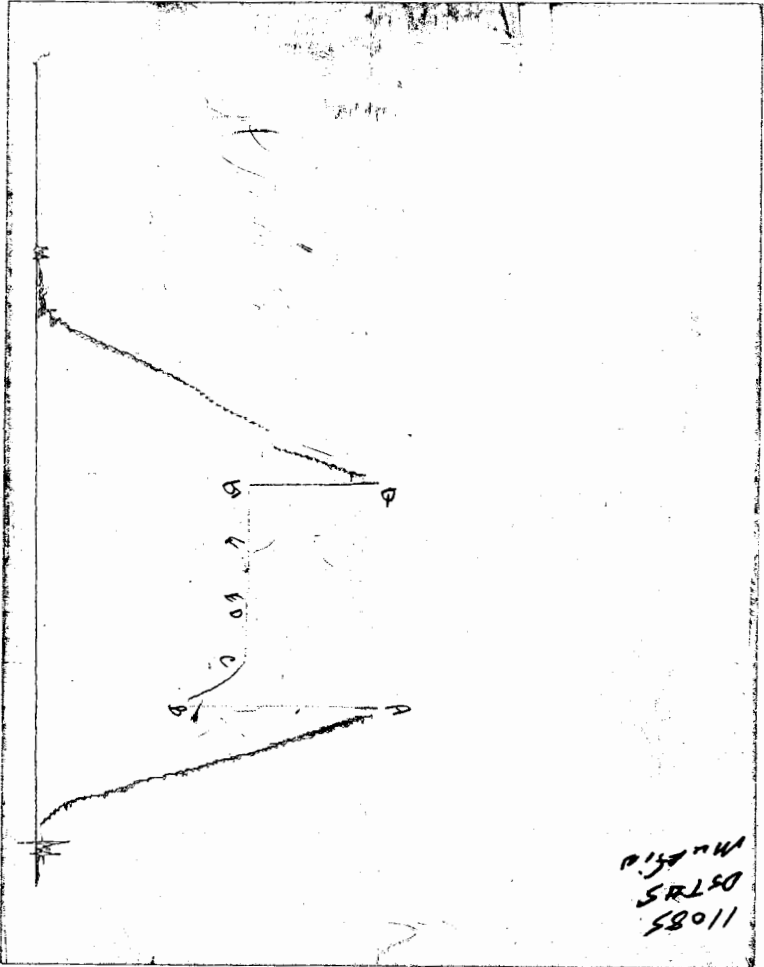


Pressure ( PSIG )

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

No 12931

## Test Ticket

Well Name & No. <u>Kenmark Fisher #1-5</u>	Test No. <u>5</u>	Date <u>3-6-00</u>
Company <u>Murfin Drilling Co., Inc</u>	Zone Tested <u>Arbuckle</u>	
Address <u>250 N. WATER, SUITE 300 WIDITA, KS 67202</u>	Elevation <u>2089</u> KB <u>2084</u> GL	
Co. Rep / Geo. <u>Randy Killian</u>	Cont. <u>Murfin 8</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>5</u> Twp. <u>11<sup>s</sup></u> Rge. <u>20<sup>w</sup></u>	Co. <u>Ellis</u>	State <u>Ks</u>
No. of Copies <u>Reg</u> Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested <u>3693-3718</u>	Initial Str Wt/Lbs. <u>46000</u>	Unseated Str Wt/Lbs. <u>58000</u>
Anchor Length <u>25</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>65000</u>
Top Packer Depth <u>3688</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3693</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3718</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>240</u>
Mud Wt. <u>9.3</u> LCM <u>1#</u> Vis. <u>52</u> WL <u>8.4</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3448</u>
Blow Description <u>IFP - STRONG BLOW THROUGHOUT</u> <u>FFP - WPAK TO A STRONG BLOW IN 5 MIN</u> <u>NO BLOW ON SHUT-IN</u>		

Recovery — Total Feet <u>2580</u>	GIP <u>-</u>	Ft. in DC <u>240</u>	Ft. in DP <u>2340</u>
Rec. <u>180</u> Feet Of <u>MW</u>	%gas	%oil <u>80</u>	%water <u>20</u> %mud
Rec. <u>2400</u> Feet Of <u>WATER</u>	%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>118</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW <u>.27</u> @ <u>67</u> °F	Chlorides <u>28000</u> ppm	Recovery Chlorides <u>6100</u> ppm	System _____

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1917</u>	<u>1812</u>	PSI	Recorder No. <u>3027</u>	T-On Location <u>1620</u>
(B) First Initial Flow Pressure	<u>854</u>	<u>769</u>	PSI	(depth) <u>3696</u>	T-Started <u>1647</u>
(C) First Final Flow Pressure	<u>1169</u>	<u>1122</u>	PSI	Recorder No. <u>11085</u>	T-Open <u>1848</u>
(D) Initial Shut-In Pressure	<u>1202</u>	<u>1197</u>	PSI	(depth) <u>3715</u>	T-Pulled <u>2133</u>
(E) Second Initial Flow Pressure	<u>1202</u>	<u>1174</u>	PSI	Recorder No. <u>-</u>	T-Out <u>0022</u>
(F) Second Final Flow Pressure	<u>1223</u>	<u>1198</u>	PSI	(depth) <u>-</u>	T-Off Location <u>0115</u>
(G) Final Shut-in Pressure	<u>1223</u>	<u>1198</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>600</u>
(Q) Final Hydrostatic Mud	<u>1874</u>	<u>1815</u>	PSI	Initial Shut-in <u>45</u>	Jars _____
				Final Flow <u>30</u>	Safety Joint _____
				Final Shut-in <u>60</u>	Straddle _____

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Approved By \_\_\_\_\_

Our Representative Ray Schwager Thank you

Extra Packer \_\_\_\_\_  
 Elec. Rec.  150  
 Mileage \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$  750

at copies  
 margin 8 bond 305  
 Imperial 18 strapped @2.50