

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

DATE 10-30-99

WELL NAME: E Shore "21-11"

KB 3298.00 ft

TICKET NO: 12212 DST #1

LOCATION : 31-30S-40W Stanton co KS

GR 3293.00 ft

FORMATION: Wabunsee

INTERVAL : 2917.00 To 3000.00 ft

TD 3000.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	Alpine			PF Fr. 1520 to 1550 hr
SI 60 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 1550 to 1650 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1650 to 1750 hr
FS 120 Depth(ft)	2997.0	2997.0	2919.0	0.0	0.0	FS Fr. 1750 to 1950 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1395.0	0.0	0.0	T STARTED 1400 hr
B. First Flow	0.0	0.0	23.0	0.0	0.0	T ON BOTM 1518 hr
B1. Final Flow	0.0	0.0	36.0	0.0	0.0	T OPEN 1520 hr
C. In Shut-in	0.0	0.0	458.0	0.0	0.0	T PULLED 1950 hr
D. Init Flow	0.0	0.0	38.0	0.0	0.0	T OUT 2215 hr
E. Final Flow	0.0	0.0	51.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	324.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	1330.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 8000.00 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 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 2912.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
 2822.00 ft of Gas in pipe
 30.00 ft of Mud
 60.00 ft of Water cut mud 18% water 82% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 12900.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong off bottom of bucket in 1 1/2 mins. and throughout

Initial Shut-in:

No blow-back.

Final Flow:

Strong immediatley Gas to surface in 3 mins. (see flow chart)

Final Shut-in:

No blow back

Remarks: Gas burned. Shut 2" to pressure up gas bottle final 5 min. of F.F.P.

SAMPLES: One

SENT TO: Caraway

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	55.00 S/L
W.L.	9.40 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	94.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type
 Reversed Out N
 Tool Chased N

Tester	Lanny
Co. Rep.	Sam Carmac
Contr.	Val
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: McElvain Oil & Gas

WELL NAME: E Shore "21-11"

WELL LOCATION: 31-30S-40W Stanton co KS

INTERVAL Fr.: 2917.00 To 3000.00 T.D.: 3000.00 ft TEST TYPE: CONVENTIONAL

DATE: 10-30-99

KB Elev: 3298.00 ft TICKET #12212 DST #1

GR Elev: 3293.00 ft FORMATION: Wabunsee

GAS RECOVERY MEASURED WITH Merla Orifice

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	0	12	21900.0
20	0.50	0	6	15400.0
30	0.25	0	18	7120.0
40	0.25	0	20	7510.0
50	0.25	0	16	6720.0
55	0.25	0	14	6330.0

WELL NAME: E Shore "21-11"

LOCATION : 31-30S-40W Stanton co KS

TICKET No. 12212 D.S.T. No. 1 DATE 10-30-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.	Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
28	1	1	1
29	1	1	1
30	1	1	1
31	1	1	1
32	1	1	1
33	1	1	1
34	1	1	1
35	1	1	1
36	1	1	1
37	1	1	1
38	1	1	1
39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
45	1	1	1
46	1	1	1
47	1	1	1
48	1	1	1
49	1	1	1
50	1	1	1
51	1	1	1
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66	1	1	1
67	1	1	1
68	1	1	1
69	1	1	1
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73	1	1	1
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80	1	1	1
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85	1	1	1
86	1	1	1
87	1	1	1
88	1	1	1
89	1	1	1
90	1	1	1
91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

D.P. ANCHOR STND.Stands	1 Single	Total 62
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TOTAL ASSEMBLY 110

D.C. ABOVE TOOLS.Stands	Single	Total
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1
7	1	1
8	1	1
9	1	1
10	1	1
11	1	1
12	1	1
13	1	1
14	1	1
15	1	1
16	1	1
17	1	1
18	1	1
19	1	1
20	1	1
21	1	1
22	1	1
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25	1	1
26	1	1
27	1	1
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33	1	1
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35	1	1
36	1	1
37	1	1
38	1	1
39	1	1
40	1	1
41	1	1
42	1	1
43	1	1
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82	1	1
83	1	1
84	1	1
85	1	1
86	1	1
87	1	1
88	1	1
89	1	1
90	1	1
91	1	1
92	1	1
93	1	1
94	1	1
95	1	1
96	1	1
97	1	1
98	1	1
99	1	1
100	1	1

D.P. ABOVE TOOLS.Stands 47 Single Total 2912

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3022

TOTAL DEPTH 3000

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS:

Est. 10 ft. of pay. Final 5 min. of F.F.P.
Shut 2" to pressure up gas bottle.

Gas burned.

Pit chlorides 2,300 PPM.

Rec chlorides 12,900 PPM.

No mechanical chart. Ran chart paper backwards.

P.O. SUB Cir. sub	2830
C.O. SUB Top of tool	2890
Co. sub	2891
S.I. TOOL H&T	2896

HMV Sterling 2901

JARS Bowen 2906

SAFETY JOINT Bowen 2908

PACKER Sparton 2913

PACKER Sparton 2917

DEPTH

STUBB 1 ft. 2918

ANCHOR Rec. sub 2919

Alpine 2919

Pu. sub 2924

10 ft. perfs 2934

Co. sub 2935

T.C.
DEPTH

1 std. DP. 2997

AK-1 2997

Co. sub 2998

BULLNOSE 2 ft. perf

T.D. 3000

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: 995812
Sample From: E. Shore 21-11 DST 1
Producer: McElvain Oil Properties
Date: 10/30/99
Time:
Sampler: Lanny Saloga
Source:

Analyzed: 11/02/99
Pressure:
Temperature:
Location: 31-30-40
County: Stanton
State: Kansas
Formation: Wabaunsee

	Mole %	GPM
Helium	He: 0.647	0.000
Hydrogen	H2: 0.005	0.000
Oxygen	O2: 0.047	0.000
Nitrogen	N2: 29.005	0.000
Carbon Dioxide	CO2: 0.179	0.000
Methane	C1: 57.341	0.000
Ethane	C2: 5.204	1.392
Propane	C3: 3.316	0.914
Iso Butane	iC4: 0.371	0.121
Normal Butane	nC4: 0.942	0.297
Iso Pentane	iC5: 0.207	0.076
Normal Pentane	nC5: 0.256	0.093
Hexanes Plus	C6+: 2.480	1.082

TOTAL: 100.000 3.974
Z Fact: 0.9975
SP.GR.: 0.8269
BTU (SAT): 931.2 @ 14.73 psia
BTU (DRY): 947.7 @ 14.73 psia
OCTANE RATING: 85.0

COMMENTS:

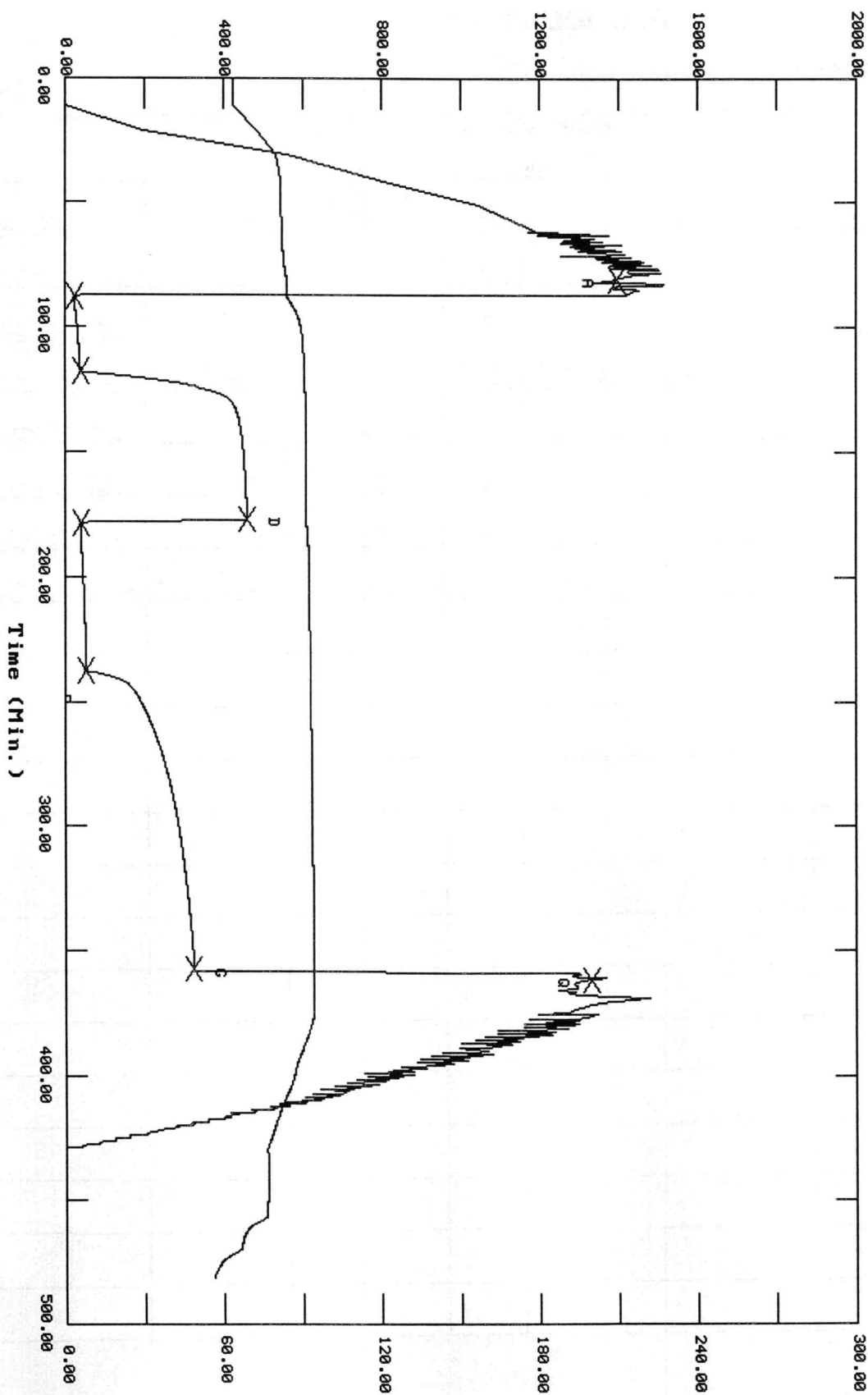
0.000

TEST HISTORY

12212 D.S.T.#1 E Shore "21-11" McElvain Oil & Gas

Flag Points

t(Min.)	P(PSig)
A: 0.00	1395.28
B: 0.00	23.44
C: 29.67	36.63
D: 59.33	458.87
E: 0.00	38.78
F: 59.00	51.67
G: 119.67	324.67
H: 0.00	1330.25



Temperature (DEG F)

Pressure (PSig)

Time (Min.)



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

GAS VOLUME REPORT

McElwain Oil & Gas
OPERATOR

E shore "21-11"

WELL NAME AND NO.

DST NO.

GTS 3 min. into F.F.P.

I.F.P.

FFF

Remarks: Gas burned.
1 sample to Conway.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12212

Test Ticket

Well Name & No.	<u>E. Shore "21-11"</u>	Test No.	<u>1</u>	Date	<u>10-30-99</u>
Company	<u>McElvina Oil & Gas</u>	Zone Tested	<u>Wabunsee</u>		
Address	<u>Denver Colo.</u>	Elevation	<u>3298</u> KB <u>3293</u> GL		
Co. Rep / Geo.	<u>Sam Carmack</u>	Cont.	<u>Val Rig 1</u>	Est. Ft. of Pay	<u>10</u> Por. <u>10</u> %
Location: Sec.	<u>31</u>	Twp.	<u>30.5</u>	Rge.	<u>40 W.</u> Co. <u>Stanton</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) _____

Interval Tested	<u>2917-3000</u>	Initial Str Wt./Lbs.	<u>42,000</u>	Unseated Str Wt./Lbs.	<u>42,000</u>
Anchor Length	<u>8.3'</u> <u>Tail = 27'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>8,000</u>
Top Packer Depth	<u>2912</u>	Tool Weight	<u>2,800</u>		
Bottom Packer Depth	<u>2917</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>3000</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>0</u>
Mud Wt.	<u>9.4</u> LCM <u>2#</u> Vis. <u>32</u> ⁵⁵ WL <u>N/C</u>	Drill Pipe Size	<u>4 1/2 x 4</u>	Ft. Run	<u>2912</u> <u>22' up</u>
Blow Description	<u>Strong ORR in 1 1/2 min. & throughout I.F.P.</u>				
	<u>No blow-back. I.S.I.P.</u>				
	<u>Strong Tamed GTS in 3 min. Sec Flow Chart. F.F.P.</u>				
	<u>No blow-back. F.S.I.P.</u>				
Recovery — Total Feet	<u>90</u>	GIP	<u>2822</u>	Ft. in DC	<u>0</u>
				Ft. in DP	<u>90</u>
Rec.	<u>30</u>	Feet Of	<u>Mud</u>	%gas	%oil %water <u>10</u> %mud
Rec.	<u>60</u>	Feet Of	<u>Wt. cut Mud</u>	%gas	%oil <u>18</u> %water <u>82</u> %mud
Rec.		Feet Of		%gas	%oil %water %mud
Rec.		Feet Of		%gas	%oil %water %mud
Rec.		Feet Of		%gas	%oil %water %mud
BHT	<u>94</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>
RW	<u>0.86</u> @ <u>41</u>	°F Chlorides	<u>12,900</u>	ppm Recovery	Chlorides <u>2,300</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>Reg</u>	<u>1395</u>	PSI Recorder No.	<u>3017 "1351"</u>	T-On Location <u>12:15 P.M.</u>
(B) First Initial Flow Pressure	<u>Chart</u>	<u>23</u>	PSI (depth)	<u>2919</u>	T-Started <u>2:00 P.M.</u>
(C) First Final Flow Pressure	<u>Pape</u>	<u>36</u>	PSI Recorder No.	<u>10242</u>	T-Open <u>3:20 P.M.</u>
(D) Initial Shut-In Pressure	<u>Backwards</u>	<u>458</u>	PSI (depth)	<u>2997</u>	T-Pulled <u>7:50 P.M.</u>
(E) Second Initial Flow Pressure	<u>Backwards</u>	<u>38</u>	PSI Recorder No.	<u>—</u>	T-Out <u>10:15 P.M.</u>
(F) Second Final Flow Pressure	<u>NO</u>	<u>51</u>	PSI (depth)	<u>—</u>	T-Off Location _____
(G) Final Shut-in Pressure	<u>Chart</u>	<u>324</u>	PSI Initial Opening	<u>30</u>	Test <u>1,000</u> ✓
(Q) Final Hydrostatic Mud		<u>1330</u>	PSI Initial Shut-in	<u>60</u>	Jars <u>200</u> ✓
			Final Flow	<u>60</u>	Safety Joint <u>50</u> ✓
			Final Shut-in	<u>120</u>	Straddle _____

A3091351017
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 Sam Carmack

Our Representative Jimmy S. Suby

Circ. Sub 1
Sampler _____
Extra Packer _____
Elec. Rec. 150 ✓
Mileage _____
Other _____
TOTAL PRICE \$ 1,000.00

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

DATE 10-31-99

WELL NAME: E Shore "21-11"

KB 3298.00 ft

TICKET NO: 12213 DST #2

LOCATION : 31-30S-40W Stanton co KS

GR 3293.00 ft

FORMATION: Stotler/Tarkio

INTERVAL : 3068.00 To 3150.00 ft

TD 3230.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	Alpine	13630		PF Fr. 1315 to 1345 hr
SI 60 Range (Psi)	4100.0	4100.0	5000.0	4625.0	0.0	IS Fr. 1345 to 1445 hr
SF 30 Clock(hrs)	12 HR	12 HR	Elect	12 HR		SF Fr. 1445 to 1515 hr
FS 60 Depth(ft)	3144.0	3144.0	3070.0	3227.0	0.0	FS Fr. 1515 to 1615 hr

	Field	1	2	3	4	
A. Init Hydro	1429.0	1418.0	1404.0	0.0	0.0	T STARTED 1210 hr
B. First Flow	49.0	80.0	23.0	0.0	0.0	T ON BOTM 1312 hr
B1. Final Flow	56.0	75.0	48.0	0.0	0.0	T OPEN 1315 hr
C. In Shut-in	504.0	527.0	526.0	0.0	0.0	T PULLED 1615 hr
D. Init Flow	77.0	103.0	53.0	0.0	0.0	T OUT 1900 hr
E. Final Flow	77.0	102.0	71.0	0.0	0.0	
F. Fl Shut-in	469.0	496.0	479.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1423.0	1390.0	1380.0	0.0	0.0	Tool Wt. 3800.00 lbs
Inside/Outside	I	I	I	S		Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 24000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 46000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3068.00 ft

RECOVERY

Tot Fluid 110.00 ft of 0.00 ft in DC and 110.00 ft in DP
 325.00 ft of Gas in pipe
 110.00 ft of Water cut Mud 12% Water 88% 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 4200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 1", built to strong off bottom
 of bucket in 8 mins.

Initial Shut-in:

No blow-back.

Final Flow:

Weak 1/2", built to 7" in bucket in
 30 mins.

Final Shut-in:

No blow-back.

Remarks: Est. 22 ft. of pay.
 packer held.

SAMPLES: None

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	55.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	93.00 F
Hole Condition	Good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Sam Carmac
Contr.	Val
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV-STRADDLE

WELL NAME: E Shore "21-11"

LOCATION : 31-30S-40W Stanton co KS

TICKET No. 12213 D.S.T. No. 2 DATE 10-31-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL 18

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 69

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single Total 123

TOTAL ASSEMBLY 192

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 49 Single 1 Total 3068

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3260

TOTAL DEPTH 3230

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

FLUID SAMPLER DATA

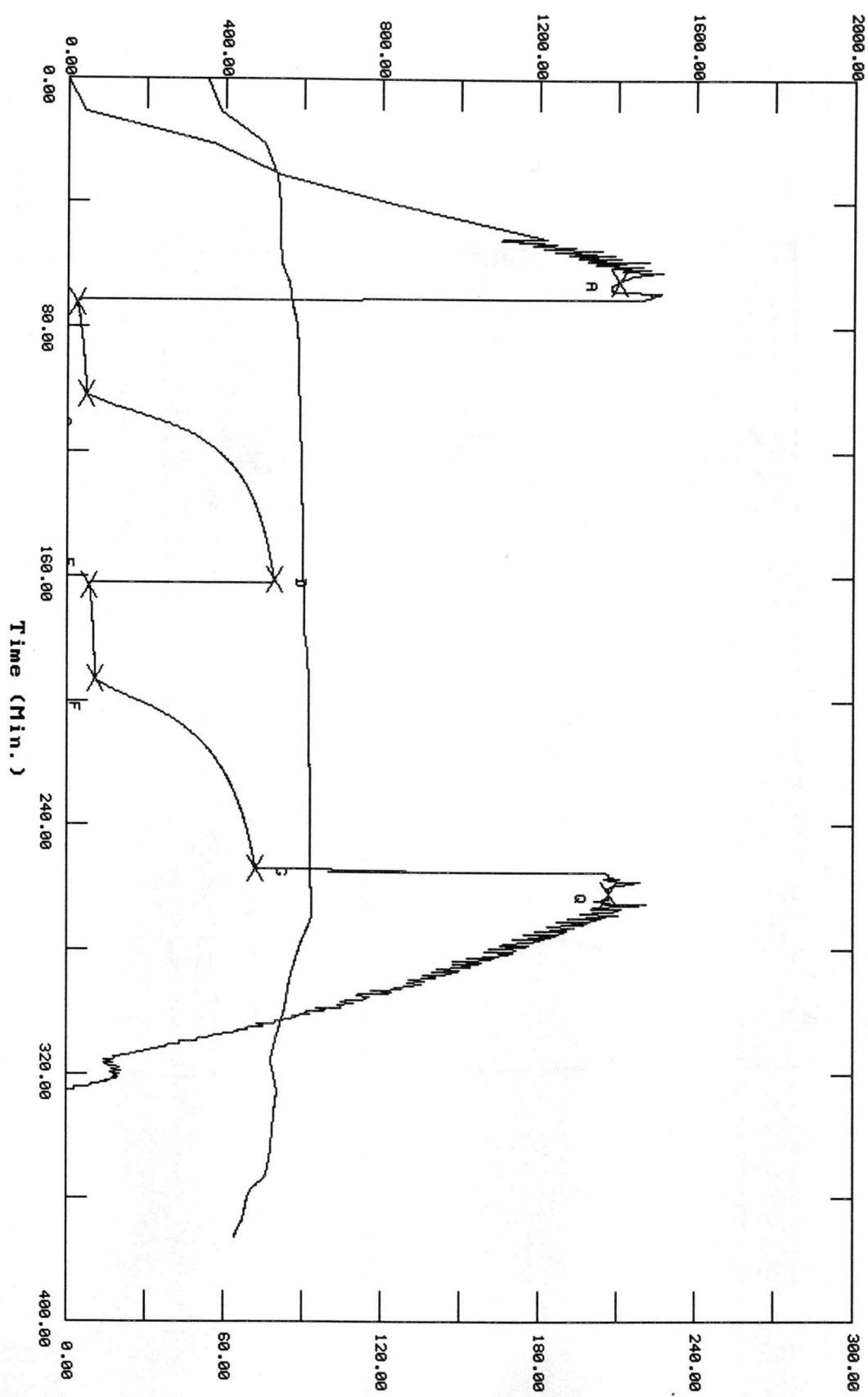
Total Vol. 5000 ML.
Total Vol. Rec. 4800 ML.
Oil 0 ML.
Mud 4032 ML. 84%
Wtr. 768 ML. 16%
Gas 1.1 CF.
Psi. 455
Sht. 93 F.
Bit RW. 1.7 Ohms at 71 F. 3,600 PPM.
Rec RW. 1.8 Ohms at 57 F. 4,200 PPM.
Gravity -- at -- F.

P.O. SUB Cir. sub	2978
C.O. SUB Top of tool	3038
Co. sub	3039
S.I. TOOL H&T	3044
Sampler	3047
HMV Sterling	3052
JARS Bowen	3057
SAFETY JOINT Bowen	3059
PACKER Sparton	3064
PACKER Shale	3068
DEPTH	
STUBB 1 ft.	3069
ANCHOR Rec. sub	3070
Alpine	3070
Pu. sub	3075
4 ft. perf	3079
Co. sub	3080
1 std. DP 61 ft.	3141
Co. sub	3142
AK-1	3144
Pu. sub	3147
Blank	3147
3 ft. of packer	3150
T.C.	
DEPTH	
PACKER Sparton "Center"	3150
2 ft. of packer	3152
12 ft. perfs	3164
Co. sub	3165
1 std. DP 62 ft.	3227
AK-1	3227
Co. sub	3228
BULLNOSE 2 ft. perf	
T.D.	3230

TEST HISTORY 12213 D.S.T.#2 E Shore "21-11" McElvain Oil & Gas

Flag Points

t(Min.)	P(PSig)
A: 0.00	1404.75
B: 0.00	23.18
C: 29.33	48.09
D: 59.67	526.04
E: 0.00	53.76
F: 30.33	71.76
G: 60.67	479.60
H: 0.00	1380.74

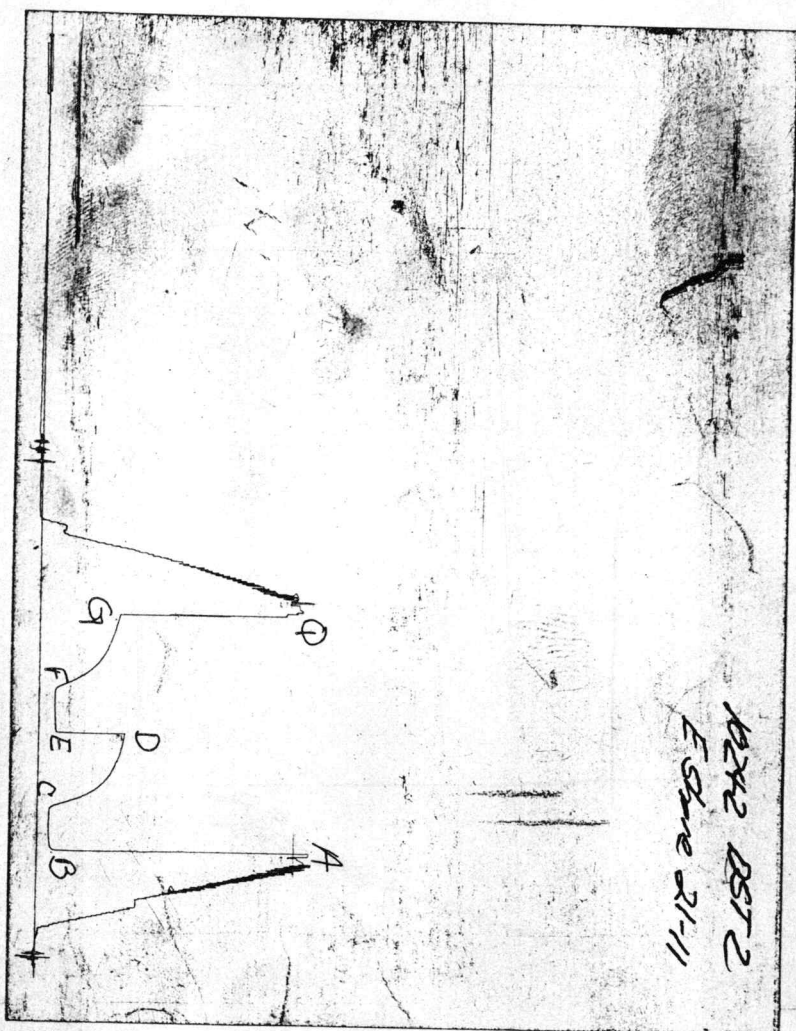


Temperature (DEG F)

Pressure (PSig)

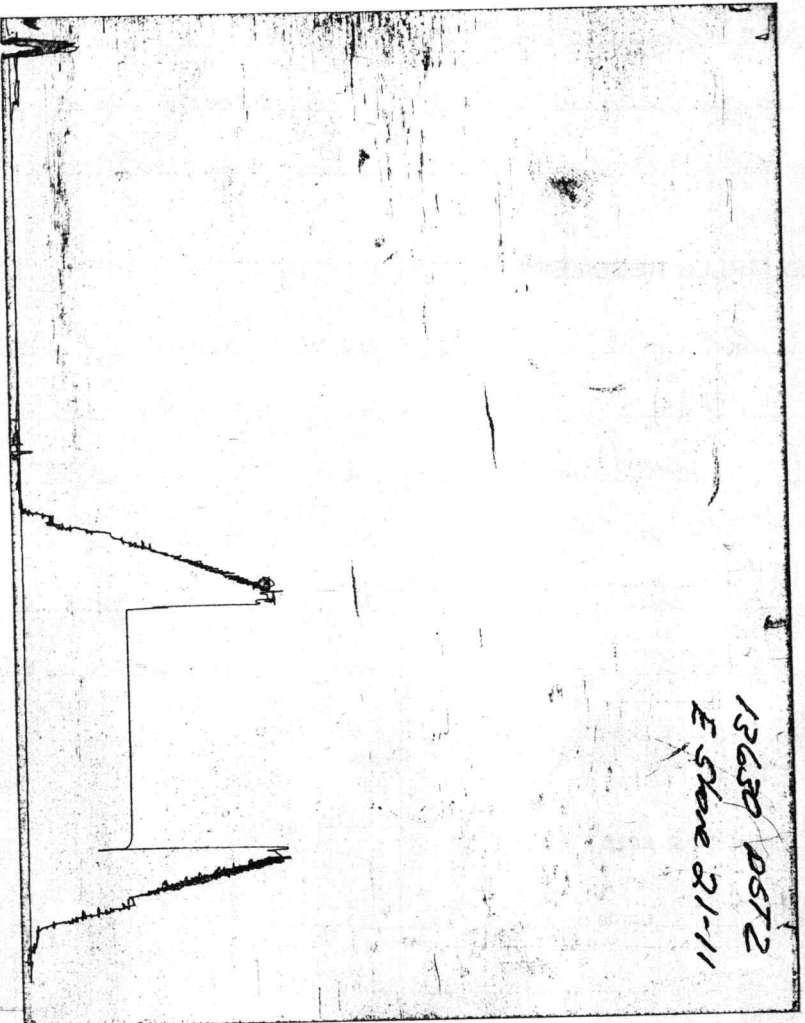
Time (Min.)

CHART PAGE



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

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. 12213 Date 10-31-99
Company Name McElwain O&G
Lease E Shore "21-11" Test No. 2
County Stanton KS Sec. 31 Twp. 30S Rng. 40W

SAMPLER RECOVERY

Gas 1.1 C.F. ~~ML~~
Oil 0 ML
Mud 84% 4032 ML
Water 16% 768 ML
Other 0 ML
Pressure 455 PSI
Total Vol. Rec. = 4800 ML
Total Vol. of chamber = 5000 ML

SAMPLER ANALYSIS

Resistivity 1.8 ohms @ 57 F
Chlorides 4,200 ppm.
Gravity corrected @ 60 F

PIT MUD ANALYSIS

Chlorides 3,600 ppm.
Resistivity 1.7 ohms @ 71 F
Viscosity 55
Mud Weight 9.3
Filtrate N/C
Other 2# L.C.M.

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

N^o 12213

Test Ticket

Well Name & No. E Shore "21-11" Test No. 2 Date 10-31-99
Company McElvain Oil & Gas Zone Tested Statler / Tackia
Address Denver Colo. Elevation 3298 KB 3293 GL
Co. Rep / Geo. Sam Carmack Cont. Val R. G. I Est. Ft. of Pay 22 Por. 20 %
Location: Sec. 31 Twp. 30.5 Rge. 40 W Co. Stanton State Ks.
No. of Copies Rep Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 3068-3150
Anchor Length 82' Tail=80' Tool=30
Top Packer Depth 3063

Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 46000
Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 24000
Tool Weight 3800

SHALE Bottom Packer Depth 3068 St. PKI = 3150

Hole Size — 7 7/8" Rubber Size — 6 3/4"

Total Depth 3230

Wt. Pipe Run — Drill Collar Run 0

Mud Wt. 9.3 LCM 24 Vis. 55 WL N/C

Drill Pipe Size 4 1/2 XH Ft. Run 3068 30' up

Blow Description Work 1", built to strong OBB in 8 min. T.F.P.

No blow-back. T.S.T.P.

Work 1/2", built to 7" in bucket in 30 min. F.F.P.

No blow-back. F.S.T.P.

Recovery — Total Feet 110 GIP 325 Ft. in DC 0 Ft. in DP 110

Rec. 110 Feet Of Wt. cut mud %gas %oil 12 %water 88 %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 93 °F Gravity — °API D@ — °F Corrected Gravity — °API

RW 1.8 @ 57 °F Chlorides 4,200 ppm Recovery Chlorides 3600 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1429</u>	<u>1404</u>	PSI	Recorder No. <u>3017 "12:01"</u>	T-On Location <u>11:15 A.M.</u>
(B) First Initial Flow Pressure	<u>49</u>	<u>23</u>	PSI	(depth) <u>3070</u>	T-Started <u>12:10 P.M.</u>
(C) First Final Flow Pressure	<u>56</u>	<u>48</u>	PSI	Recorder No. <u>10242</u>	T-Open <u>1:15 P.M.</u>
(D) Initial Shut-In Pressure	<u>504</u>	<u>526</u>	PSI	(depth) <u>3144</u>	T-Pulled <u>4:15 P.M.</u>
(E) Second Initial Flow Pressure	<u>77</u>	<u>53</u>	PSI	Recorder No. <u>13630</u>	T-Out <u>7:00 P.M.</u>
(F) Second Final Flow Pressure	<u>77</u>	<u>71</u>	PSI	(depth) <u>3227</u>	T-Off Location <u></u>
(G) Final Shut-in Pressure	<u>469</u>	<u>479</u>	PSI	Initial Opening <u>30</u>	Test / <u>600</u> ✓
(Q) Final Hydrostatic Mud	<u>1423</u>	<u>1380</u>	PSI	Initial Shut-in <u>60</u>	Jars / <u>200</u> ✓

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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 Sam Carmack

Our Representative George S. Salysa

Final Flow 30 Safety Joint 150 ✓
Final Shut-in 60 Straddle 1250 ✓

Circ. Sub / 1

Sampler / 200 ✓

Extra Packer / 150 ✓

Elec. Rec. / 150 ✓

Mileage

Other SHALE PKI 150 ✓

TOTAL PRICE \$ 1,750.00

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

DATE 11-3-99

WELL NAME: E Shore "21-11"

KB 3298.00 ft

TICKET NO: 12214

DST #3

LOCATION : 31-30S-40W Stanton co KS

GR 3293.00 ft

FORMATION: Marm/Pawnee

INTERVAL : 4328.00 To 4350.00 ft

TD 4350.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	Alpine			PF Fr. 1215 to 1245 hr
SI 60 Range(Psi)	4100.0	4100.0	5000.0	0.0	0.0	IS Fr. 1245 to 1345 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1345 to 1445 hr
FS 120 Depth(ft)	4347.0	4347.0	4330.0	0.0	0.0	FS Fr. 1445 to 1645 hr

	Field	1	2	3	4	
A. Init Hydro	2099.0	2118.0	2043.0	0.0	0.0	T STARTED 1055 hr
B. First Flow	72.0	96.0	36.0	0.0	0.0	T ON BOTM 1213 hr
B1. Final Flow	144.0	151.0	153.0	0.0	0.0	T OPEN 1215 hr
C. In Shut-in	1117.0	1132.0	1130.0	0.0	0.0	T PULLED 1645 hr
D. Init Flow	205.0	233.0	160.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	329.0	345.0	331.0	0.0	0.0	
F. Fl Shut-in	1117.0	1136.0	1130.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2093.0	2118.0	2037.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 6000.00 lbs
						Initial Str Wt 52000.00 lbs
						Unseated Str Wt 54000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4308.00 ft

RECOVERY

Tot Fluid 650.00 ft of 0.00 ft in DC and 650.00 ft in DP

95.00 ft of Gas in pipe

90.00 ft of Water cut Mud 21% Water 79% Mud

560.00 ft of Slight Gas cut Water 3% Gas 97% Water

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 38100.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak 1", built to strong off bottom
of bucket in 8 mins.

Initial Shut-in:

No blow-back.

Final Flow:

Weak 1/2", built to strong off bottom
of bucket in 25 mins.

Final Shut-in:

No blow-back.

Remarks: Est. 7 ft. of pay.

SAMPLES: None

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	47.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Lanny Saloga
Co. Rep.	Sam Carmac
Contr.	Val
Rig #.	1
Unit #	
Pump T.	

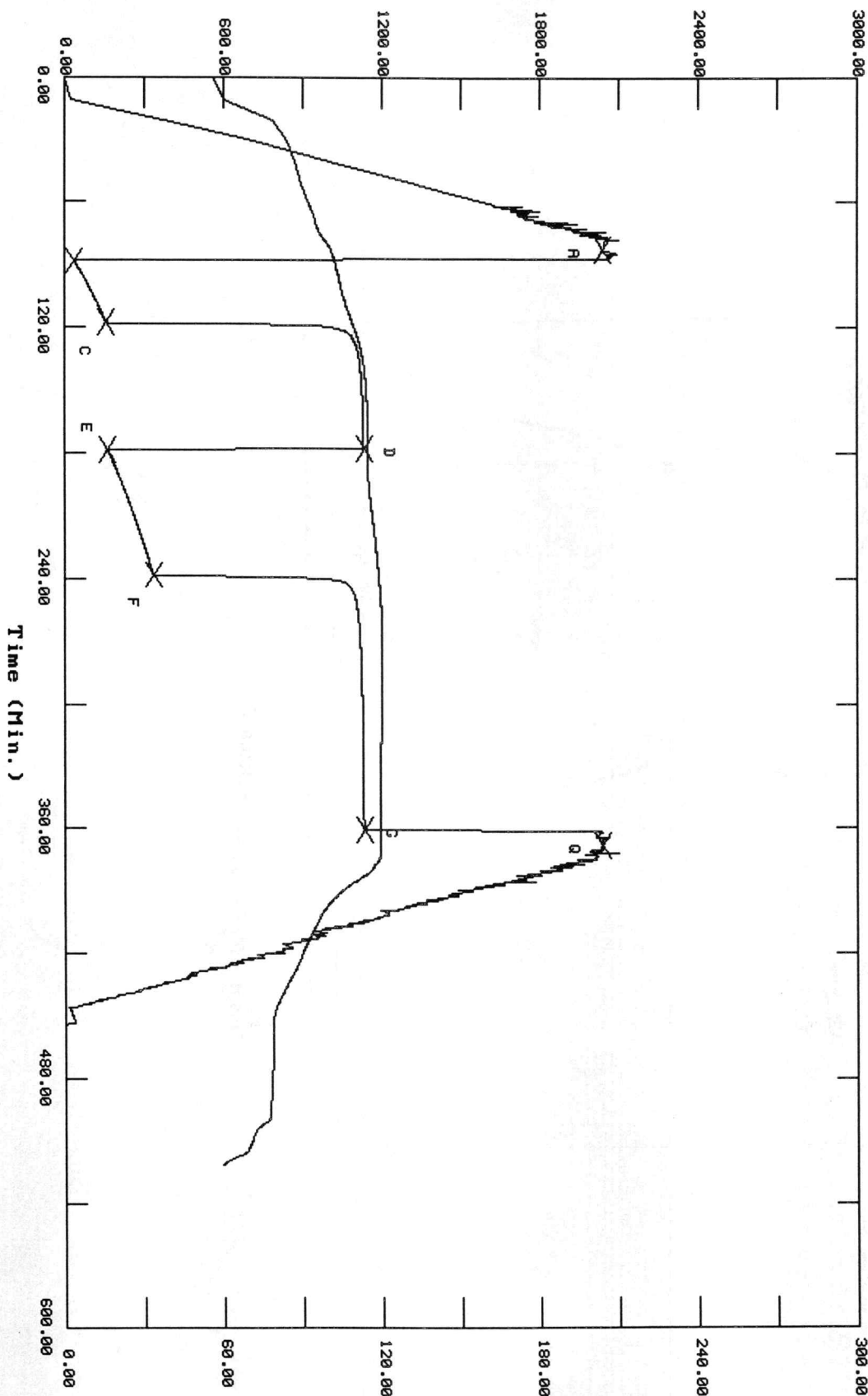
Test Successful: Y

TEST HISTORY

12214 D.S.T.#3 E Shore "21-11" McElvain Oil & Gas

Flag Points

t(min.)	P(PSig)
A: 0.00	2043.20
B: 0.00	36.43
C: 29.33	153.77
D: 60.00	1130.26
E: 0.00	160.60
F: 60.00	331.47
G: 122.33	1130.38
H: 0.00	2037.80



Pressure (PSig)

Temperature (DEG F)

Time (Min.)

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 12214 Date 11-3-99

Company Name McElman O&G

Lease E Shore "21-11" Test No. 3

County Stanton KS Sec. 31 Twp. 30S Rng. 40W

SAMPLER RECOVERY

Gas 1.4 G.F. #

Oil 0 ML

Mud 0 ML

Water 4700 ML

Other 0 ML

Pressure 740 PSI

Total Vol. Rec. = 4700 ML

Total Vol. of chamber = 5000 ML

PIT MUD ANALYSIS

Chlorides 900 ppm.

Resistivity 5.9 ohms @ 72 F

Viscosity 47

Mud Weight 9.1

Filtrate 7.2

Other 3# L.C.M.

SAMPLER ANALYSIS

Resistivity 0.26 ohms @ 51 F

Chlorides 38,100 ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0.29 ohms @ 52 F

Chlorides 32,500 ppm.

MIDDLE
Resistivity ohms @ F

Chlorides ppm.

BOTTOM
Resistivity 0.26 ohms @ 51 F

Chlorides 38,100 ppm.

Wt. had strong sulfur odor

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12214

Test Ticket

Well Name & No.	<u>E Shore "21-11"</u>	Test No.	<u>3</u>	Date	<u>11-3-99</u>
Company	<u>McElwain Oil & Gas</u>	Zone Tested	<u>Mauritan / Pawnee</u>		
Address	<u>Denver Colo.</u>	Elevation	<u>3298</u>	KB	<u>3293</u> GL
Co. Rep / Geo.	<u>Sam Carmack</u>	Cont.	<u>Val Rigel</u>	Est. Ft. of Pay	<u>7</u> Por <u>20</u> %
Location: Sec.	<u>31</u>	Twp.	<u>30S</u>	Rge.	<u>40W</u> Co. <u>Stanton</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) _____

Interval Tested	<u>4328-4350</u>	Initial Str Wt./Lbs.	<u>52,000</u>	Unseated Str Wt./Lbs.	<u>54,000</u>
Anchor Length	<u>22'</u>	Wt. Set Lbs.	<u>22,000</u>	Wt. Pulled Loose/Lbs.	<u>6,000</u>
Top Packer Depth	<u>4323</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4328</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>4350</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>0</u>
Mud Wt.	<u>9.1</u> LCM <u>3#</u> Vis. <u>47</u> WL <u>7.2</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4308</u> 10' up
Blow Description	<u>Weak 1", built to string OBB in 8 min. T.F.P.</u>				
	<u>No blow-back. T.S.T.P.</u>				
	<u>Weak 1/2", built to string OBB in 25 min. F.F.P.</u>				
	<u>No blow-back. F.S.T.P.</u>				
Recovery — Total Feet	<u>650</u>	GIP	<u>95</u>	Ft. in DC	<u>0</u>
				Ft. in DP	<u>650</u>
Rec.	<u>90</u>	Feet Of	<u>4th cut mud</u>	%gas	%oil
				<u>21</u>	%water <u>79</u> %mud
Rec.	<u>560</u>	Feet Of	<u>5th Gas cut mud</u>	<u>3</u>	%gas
				%oil	<u>97</u> %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>119</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>
				°F Corrected Gravity	<u>—</u> °API
RW	<u>0.26</u>	@	<u>51</u> °F	Chlorides	<u>38,000</u> ppm Recovery
				Chlorides	<u>900</u> ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2099</u>	<u>2043</u>	PSI Recorder No.	<u>3017 "10:47"</u> T-On Location <u>9:00 A.M.</u>
(B) First Initial Flow Pressure	<u>72</u>	<u>36</u>	PSI (depth)	<u>4330</u> T-Started <u>10:55 A.M.</u>
(C) First Final Flow Pressure	<u>144</u>	<u>153</u>	PSI Recorder No.	<u>10242</u> T-Open <u>12:15 P.M.</u>
(D) Initial Shut-In Pressure	<u>1117</u>	<u>1130</u>	PSI (depth)	<u>4347</u> T-Pulled <u>4:45 P.M.</u>
(E) Second Initial Flow Pressure	<u>205</u>	<u>160</u>	PSI Recorder No.	<u>—</u> T-Out <u>8:00 P.M.</u>
(F) Second Final Flow Pressure	<u>329</u>	<u>331</u>	PSI (depth)	<u>—</u> T-Off Location _____
(G) Final Shut-in Pressure	<u>1117</u>	<u>1130</u>	PSI Initial Opening	<u>30</u> Test <u>700</u> ✓
(Q) Final Hydrostatic Mud	<u>2093</u>	<u>2037</u>	PSI Initial Shut-in	<u>60</u> Jars <u>200</u> ✓
			Final Flow	<u>60</u> Safety Joint <u>50</u> ✓
			Final Shut-in	<u>120</u> Straddle _____

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Approved By Sam Carmack

Our Representative Sam Carmack

Circ. Sub ✓
Sampler 200 ✓
Extra Packer _____
Elec. Rec 150 ✓
Mileage _____
Other _____

TOTAL PRICE \$ 4300.00

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

DATE 11-7-99

WELL NAME: E Share 21-11

KB 3298.00 ft

TICKET NO: 12008 DST #4

LOCATION : 21-30s-40w Stanton co KS

GR 3293.00 ft

FORMATION: miss. st.louis

INTERVAL : 5390.00 To 5450.00 ft

TD 5450.00 ft

TEST TYPE: COV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	2346			PF Fr. 1640 to 1710 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1710 to 1810 hr
SF 35 Clock(hrs)	12	12	alpin			SF Fr. 1810 to 1910 hr
FS 60 Depth(ft)	5445.0	5445.0	5412.0	0.0	0.0	FS Fr. 1910 to 2110 hr

	Field	1	2	3	4	
A. Init Hydro	2694.0	2700.0	2638.0	0.0	0.0	T STARTED 1425 hr
B. First Flow	89.0	100.0	48.0	0.0	0.0	T ON BOTM 1637 hr
B1. Final Flow	89.0	100.0	51.0	0.0	0.0	T OPEN 1640 hr
C. In Shut-in	224.0	224.0	216.0	0.0	0.0	T PULLED 2110 hr
D. Init Flow	89.0	106.0	50.0	0.0	0.0	T OUT 2310 hr
E. Final Flow	89.0	106.0	53.0	0.0	0.0	
F. Fl Shut-in	145.0	142.0	126.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2683.0	2666.0	2635.0	0.0	0.0	Tool Wt. 5000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 63000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 5424.00 ft

RECOVERY

Tot Fluid 45.00 ft of 0.00 ft in DC and 45.00 ft in DP
 45.00 ft of Drilling mud with oil scum
 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

BLOW DESCRIPTION

Initial Flow:
 Tool slid 11' to bottom 2" blow died to 1"
 Initial Shut-in:
 No return
 Final Flow:
 1/4" at open built to 1"
 Final Shut-in:
 No return

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	49.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop Y	40.0 ft
Amt. of fill	11.00 ft
Btm. H. Temp.	132.00 F
Hole Condition	tight
% 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	Shane McBride
Co. Rep.	Ken LaBlanc
Contr.	Val
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** COV.

WELL NAME: E Share 21-11

LOCATION : 21-30s-40w Stanton co KS

TICKET No. 12008 D.S.T. No. 4 DATE 11-7-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 29

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 90

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands Single Total 5393

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5483

TOTAL DEPTH 5450

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:

Gas:

Oil: 200 ml.

Water:

Mud: 3,800

Total: 4,000 ml.

Pressure -0- psi.

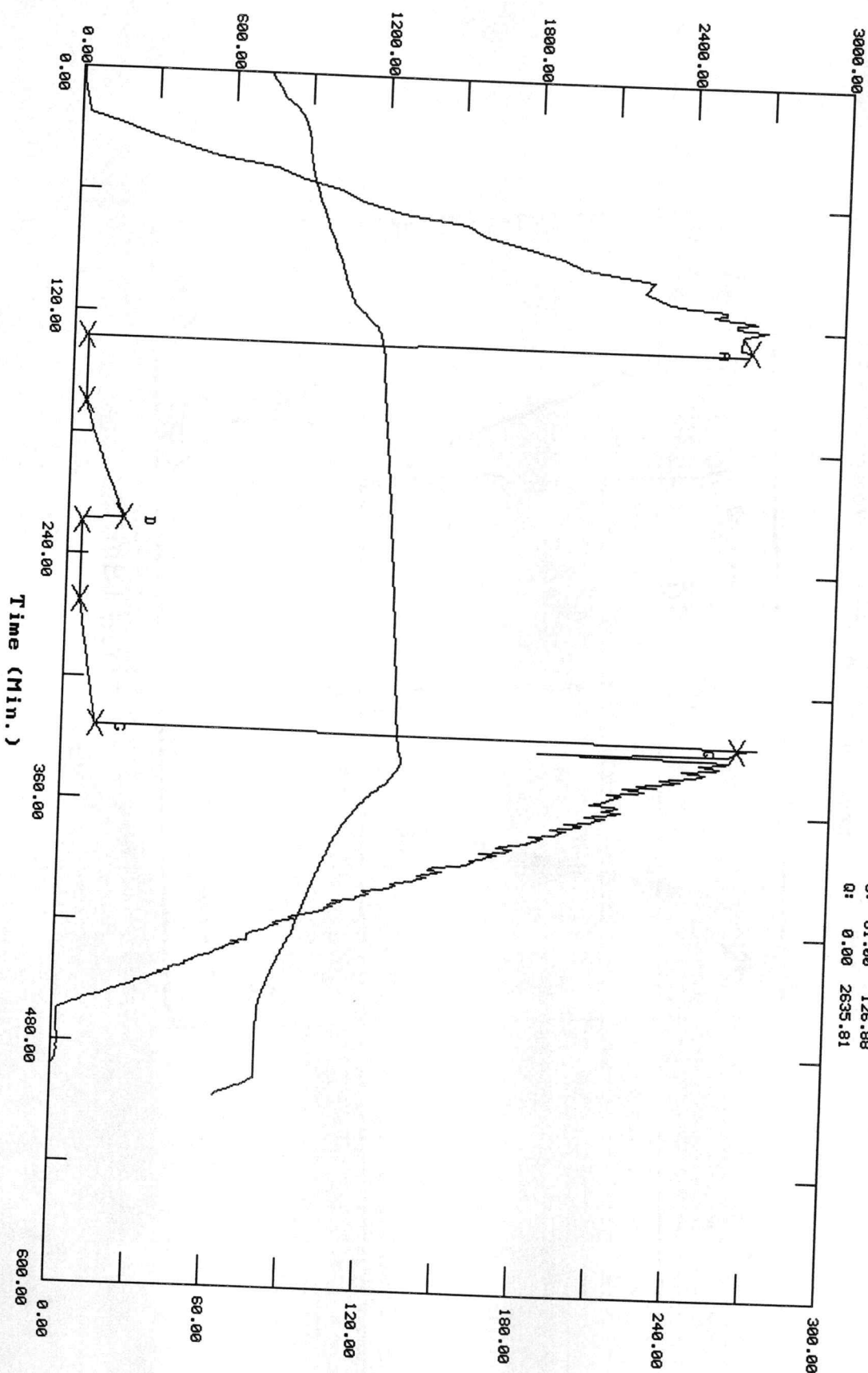
P.O. SUB	
C.O. SUB 1'	5359
S.I. TOOL 5'	5365
sampler 3'	5368
HMV 5'	5373
JARS 5'	5378
SAFETY JOINT 2'	5380
PACKER top	5385
PACKER bottom	5390
DEPTH 5390	
STUBB 1'	5391
ANCHOR 21' perf	5412
alpine recorder	5412
1' c.o.	5413
31' drillpipe	5444
T.C.	
DEPTH	
ak-1 recorder	5445
BULLNOSE 5' bullplug	5450
T.D.	5450

TEST HISTORY

12008 DST #4 E Shore McElain Oil & Gas

Flag Points
t(Min.) P(PSig)

A:	0.00	2638.29
B:	0.00	48.25
C:	32.00	51.91
D:	57.00	216.00
E:	0.00	50.87
F:	39.00	53.50
G:	61.00	126.88
H:	0.00	2635.81

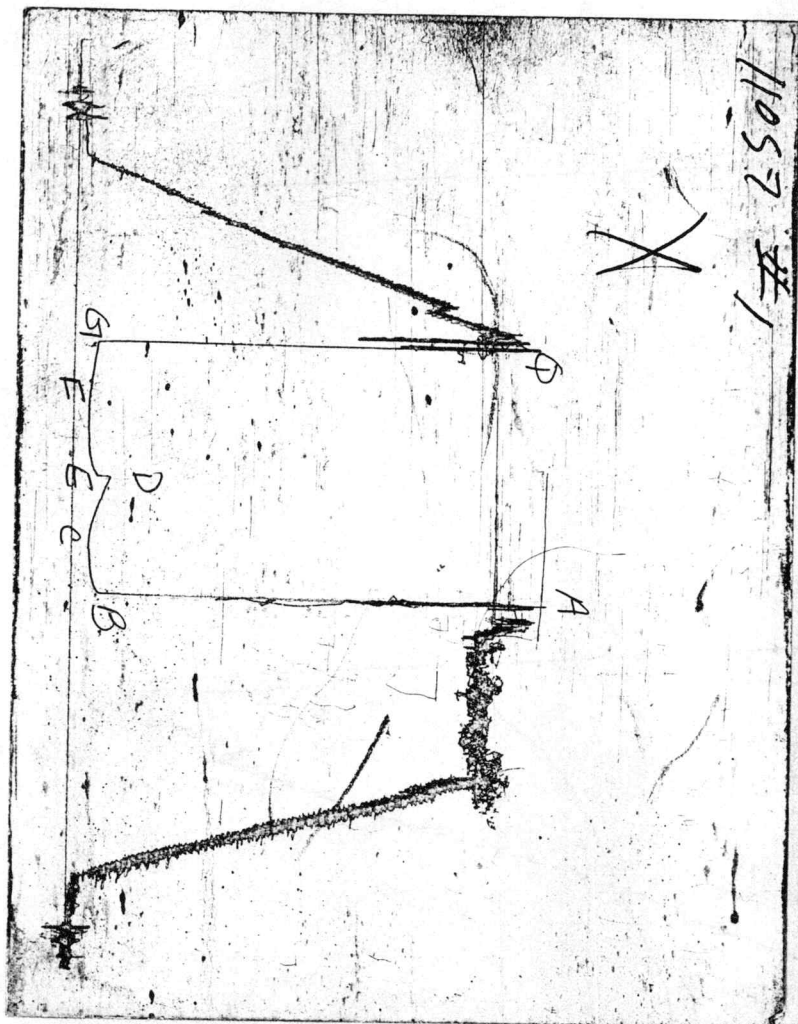


Temperature (DEG F)

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

FLUID SAMPLER DATA

Ticket No. 12008 Date 11-7-99
Company Name McElvain Oil & Gas
Lease E-Shore 21-11 Test No. #4
County Stanton KS Sec. 21 Twp. 30 Rng. 40

SAMPLER RECOVERY

Gas _____ ML
Oil 200 ML
Mud 3,800 ML
Water _____ ML
Other _____ ML
Pressure — 0 — PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
Resistivity _____ ohms @ _____ F
Viscosity 49
Mud Weight 9.2
Filtrate _____
Other LCM 1 1/2

SAMPLER ANALYSIS

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

PIPE RECOVERY

TOP
Resistivity Diluted 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 12008

Test Ticket

Well Name & No. E Shore #21-11 Test No. #4 Date 11-7-99
 Company McElvain O. & Gas Zone Tested MISS shou's
 Address 1050 17th Ste. Suite 710, Denver Colo 80265 Elevation 3298' KB 3293' GL
 Co. Rep / Geo. Ken LaBlanc Cont. VAL #1 Est. Ft. of Pay Por. %
 Location: Sec. 21 Twp. 30 Rge. 40 Co. Stanton State Ks
 No. of Copies NIM Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 5390' 5450' Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 63,000
 Anchor Length 60' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 120,000
 Top Packer Depth 5385' Tool Weight 5,000
 Bottom Packer Depth 5390' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 5450' Wt. Pipe Run Drill Collar Run
 Mud Wt. 9.2 LCM 1 1/2 Vis. 49 WL Drill Pipe Size 4 1/2 X 4 Ft. Run
 Blow Description Tool slide 11' to bottom 2" in blow died back to 1" in.
 I.S.I. No return.
 F.F.I. 14" in @ open built to 1" in.
 F.S.I. No return

Recovery — Total Feet 45' GIP 15' weak Ft. in DC Ft. in DP 45'
 Rec. 45' Feet Of Dr. lg Mud w/o. 1 sum %gas 50% %oil %water 100 %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 132° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2694</u>	<u>2638</u>	PSI Recorder No.	<u>2346</u>	T-On Location <u>13:50 p.m.</u>
(B) First Initial Flow Pressure	<u>89</u>	<u>48</u>	PSI (depth)	<u>5412'</u>	T-Started <u>14:25 p.m.</u>
(C) First Final Flow Pressure	<u>89</u>	<u>51</u>	PSI Recorder No.	<u>11057</u>	T-Open <u>16:40 p.m.</u>
(D) Initial Shut-In Pressure	<u>224</u>	<u>216</u>	PSI (depth)	<u>5445'</u>	T-Pulled <u>19:45 p.m.</u>
(E) Second Initial Flow Pressure	<u>89</u>	<u>50</u>	PSI Recorder No.	<u> </u>	T-Out <u>23:10 p.m.</u>
(F) Second Final Flow Pressure	<u>89</u>	<u>53</u>	PSI (depth)	<u> </u>	T-Off Location <u>12:10 a.m.</u>
(G) Final Shut-in Pressure	<u>145</u>	<u>126</u>	PSI Initial Opening	<u>30</u>	Test <u>x</u> <u>800</u>
(Q) Final Hydrostatic Mud	<u>2683</u>	<u>2635</u>	PSI Initial Shut-in	<u>60</u>	Jars <u>x</u> <u>200</u>
			Final Flow	<u>35</u>	Safety Joint <u>x</u> <u>50</u>
			Final Shut-in	<u>60</u>	Straddle <u> </u>
					Circ. Sub <u>x</u> <u>N/C</u>
					Sampler <u>x</u> <u>200</u>
					Extra Packer <u> </u>
					Elec. Rec. <u>x</u> <u>150</u>
					Mileage <u> </u>
					Other <u> </u>
					TOTAL PRICE \$ <u>1400</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 Sam Carmack

Our Representative Steve McElvain

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil& Gas Prop.

DATE 11-9-99

WELL NAME: E Shore #21-11

KB 3297.00 ft

TICKET NO: 12236

DST #5

LOCATION : 21-30s-40w Stanton co KS

GR 3293.00 ft

FORMATION: Miss. & St.Louis

INTERVAL : 5480.00 To 5590.00 ft

TD 5590.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10333	10333	3026			PF Fr. 1449 to 1519 hr
SI 60 Range(Psi)	4050.0	4050.0	4995.0	0.0	0.0	IS Fr. 1519 to 1619 hr
SF 30 Clock(hrs)	12hr	12hr	elect			SF Fr. 1619 to 1649 hr
FS 60 Depth(ft)	5590.0	5590.0	5487.0	0.0	0.0	FS Fr. 1649 to 1749 hr

	Field	1	2	3	4	
A. Init Hydro	2671.0	2689.0	2640.0	0.0	0.0	T STARTED 1215 hr
B. First Flow	1118.0	1132.0	1037.0	0.0	0.0	T ON BOTM 1448 hr
B1. Final Flow	1426.0	1428.0	1393.0	0.0	0.0	T OPEN 1449 hr
C. In Shut-in	1426.0	1436.0	1402.0	0.0	0.0	T PULLED 1749 hr
D. Init Flow	1426.0	1436.0	1405.0	0.0	0.0	T OUT 2250 hr
E. Final Flow	1426.0	1436.0	1406.0	0.0	0.0	
F. Fl Shut-in	1426.0	1436.0	1406.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2549.0	2568.0	2590.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 62000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 0.00 in
						D. Pipe ID 3.38 in
						D.C. Length 0.00 ft
						D.P. Length 5454.00 ft

RECOVERY

Tot Fluid 3200.00 ft of 0.00 ft in DC and 3200.00 ft in DP
 3200.00 ft of Gas cut muddy water 20% Gas 25% Water 55% 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

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 1 min. open 2" blow died

Initial Shut-in:

Bled 2" no blow back

Final Flow:

Weak 1/2" surface blow died in 10 mins.

Final Shut-in:

No blow back

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	57.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	160.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Sam Carmac
Contr.	Val
Rig #	1
Unit #	
Pump T.	

Test Successful:

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: E Shore #21-11

LOCATION : 21-30s-40w Stanton co KS

TICKET No. 12236 D.S.T. No. 5 DATE 11-9-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 18

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 92

TOTAL ASSEMBLY 140

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands89 Single Total 5454

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5594

TOTAL DEPTH 5594

TOTAL DRILL PIPE ABOVE K.B. 4

MARKS:

Sampler Data

0 psi

00 ml water

.25 at 60 deg 17000 chlorides

P.O. SUB top of tool	5450
C.O. SUB 1' c/o sub	5451
S.I. TOOL 5'	5456
3' sampler	5459
HMV 5'	5464
JARS 5'	5469
SAFETY JOINT 2'	5471
PACKER 5'	5476
PACKER 5'	5480
DEPTH 5480	
STUBB 1'	5481
ANCHOR	
1' perf	5482
Alpine Rec.	5487
5' PU sub	5487
T.C.	
DEPTH	
7' perf	5494
1' c/o sub	5495
92' D pipe	5587
1' c/o sub	5588
Ak1 Rec.	5590
BULLNOSE	
T.D. 2'	5590

Well Name E Shore 21-11
DST Number 10333
Recorder Number 5

A: 21038 21089

B: 1113 1132

C: 1402 1428

D: 1410 1436

E: 1410 1436

F: 1410 1436

G: 1410 1436

Q: 2519 2568

Well Name E Shore 51-11

DST Number 3

Recorder Number 10242

A: 2.002 2118

B: .083 96

C: .130 151

D: 1.040 1132

E: .200 233

F: .294 345

G: 1.044 1136

Q: 2.002 2118

Well Name E-Shore 21-11

DST Number 2

Recorder Number 10242

A: 1.318 1418

B: .069 80

C: .065 75

D: .454 527

E: .089 103

F: .088 102

G: .427 496

Q: 1.292 1390

Well Name E. Shore 21-11

DST Number 4

Recorder Number 11057

A: 2.405 2700

B: .090 100

C: .090 100

D: .200 204

E: .095 106

F: .095 106

G: .127 142

Q: 2.375 2666

TEST HISTORY

12236 DST#5 E Shore #21-11 McIvair Oil & Gas

Flag Points
t(Min.) P(PSig)

R:	0.00	2640.84
B:	0.00	1037.03
C:	29.75	1393.10
D:	24.00	1402.65
E:	0.00	1405.30
F:	38.75	1406.21
G:	52.50	1406.95
Q:	0.00	2590.77

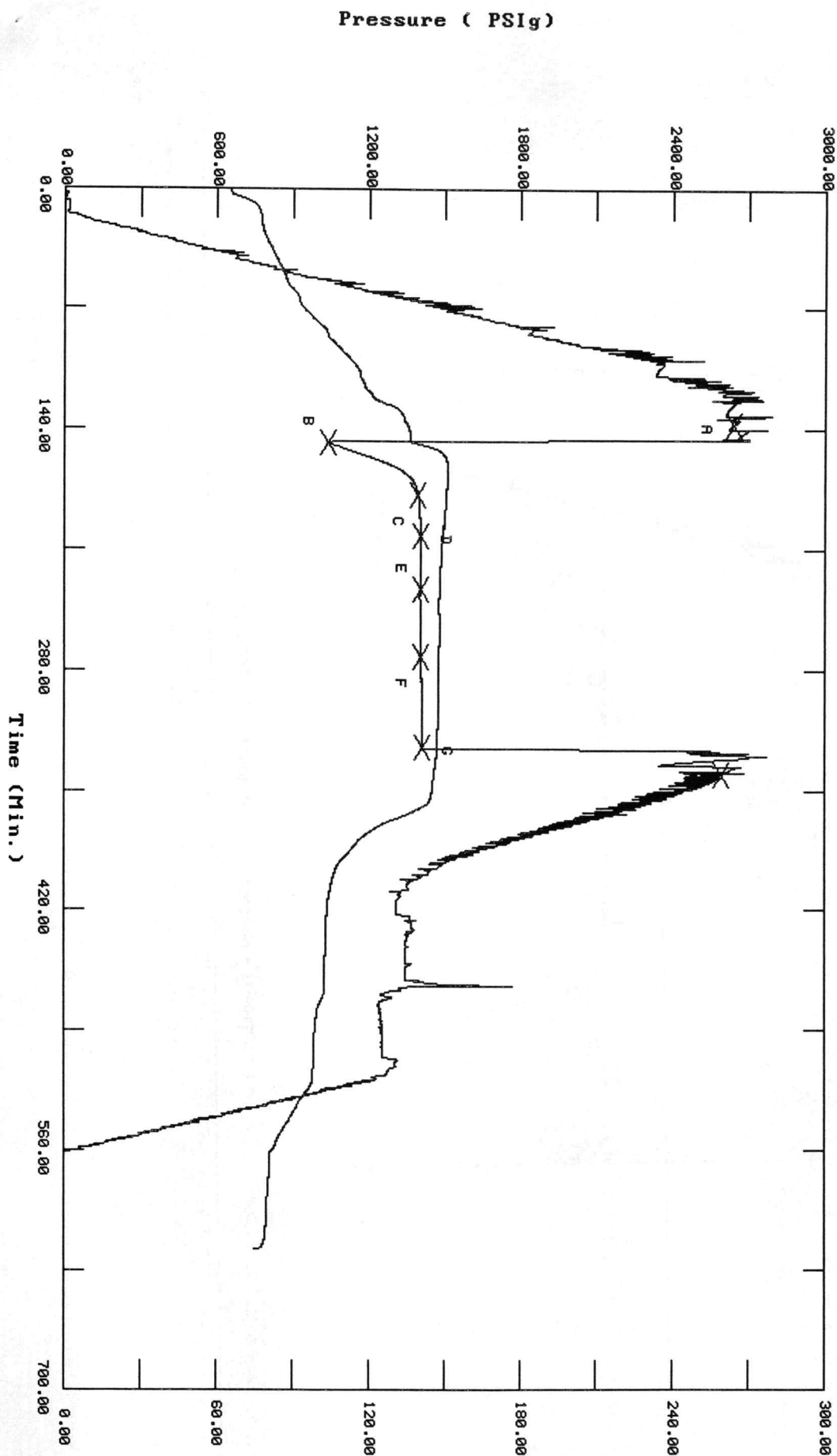
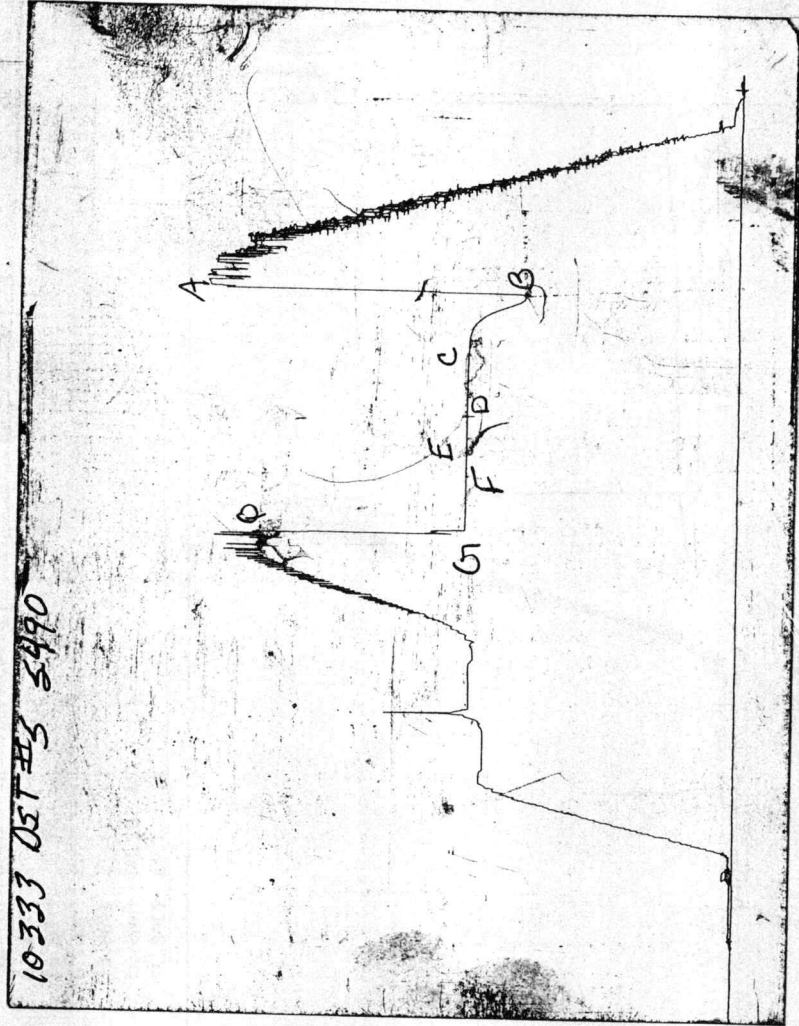


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12236

Test Ticket

Well Name & No. <u>E. Shore #21-11</u>	Test No. <u>#5</u>	Date <u>11-9-99</u>
Company <u>McElvain oil & Gas</u>	Zone Tested <u>MOSS. ST. LOUIS</u>	
Address <u>1050 17th st. suite 710</u>	Elevation <u>3297</u> KB <u>3293</u> GL	
Co. Rep / Geo. <u>Sam Carmack</u>	Cont. <u>Ugl Rsg /</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>21</u> Twp. <u>30s</u>	Rge. <u>40 W</u>	Co. <u>Stanton</u> State <u>Ks</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested 5480 - 5590 Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 74,000
 Anchor Length 110' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 110,100
 Top Packer Depth 5475 Tool Weight 1800
 Bottom Packer Depth 5480 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 5590 Wt. Pipe Run Drill Collar Run 0
 Mud Wt. 9.2 LCM 2 Vis. 57 WL 6.4 Drill Pipe Size 4 1/2 X 4 Ft. Run 895 895 895
 Blow Description Strong blow B.O.B in 1 min. open 2" blow died 5" weak blow
1st shut in bled 2" no blow back closed 2"
2nd open Weak 1/2" surface blow died in 10 min.
No blow back

Recovery — Total Feet 3200 GIP 200 Ft. in DC Ft. in DP
 Rec. 3200 Feet Of 995 Cut muddy water %gas 25 %oil 55 %water 20 %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 160 °F Gravity °API D@ °F Corrected Gravity °API
 RW .25 @ 60 °F Chlorides 17000 ppm Recovery Chlorides ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2671</u>	<u>2640</u>		<u>10333</u>	<u>11:00 A.M.</u>
(B) First Initial Flow Pressure	<u>1118</u>	<u>1037</u>		<u>5590</u>	<u>12:15 P.M.</u>
(C) First Final Flow Pressure	<u>1426</u>	<u>1393</u>		<u>3026</u>	<u>2:49 P.M.</u>
(D) Initial Shut-In Pressure	<u>1426</u>	<u>1403</u>		<u>5487</u>	<u>5:49 P.M.</u>
(E) Second Initial Flow Pressure	<u>1426</u>	<u>1406</u>			<u>10:50 P.M.</u>
(F) Second Final Flow Pressure	<u>1426</u>	<u>1406</u>			
(G) Final Shut-in Pressure	<u>1426</u>	<u>1406</u>			
(Q) Final Hydrostatic Mud	<u>2549</u>	<u>2590</u>			

Initial Opening 30 Test 800 °
 Initial Shut-in 60 Jars 200 °
 Final Flow 30 Safety Joint 50 °
 Final Shut-in 60 Straddle
 Circ. Sub 35 °
 Sampler 200 °
 Extra Packer
 Elec. Rec. 150 °
 Mileage
 Other
 TOTAL PRICE \$ 1435 °

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Approved By Sam Carmack

Our Representative Scott Bugbee

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

DATE 11-10-99

WELL NAME: E Shore #21-11

KB 0.00 ft

TICKET NO: 12237 DST #6

LOCATION : 21-30s-40w Stanton co KS

GR 0.00 ft

FORMATION: Marmaton

INTERVAL : 4260.00 To 4290.00 ft

TD 5590.00 ft

TEST TYPE: CONVENTIONALSTRADDLE

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	0	Rec.	13777	13777	3026	10333	PF Fr. to hr
SI	0	Range(Psi)	4150.0	4150.0	4995.0	4050.0	IS Fr. to hr
SF	0	Clock(hrs)	12hr	12hr	elect	12hr	SF Fr. to hr
FS	0	Depth(ft)	4285.0	4285.0	4267.0	4362.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 0300 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
Inside/Outside	O	O	I	O	O	Tool Wt. 2000.00 lbs

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

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

0.00 ft of

Wt Set On Packer 0.00 lbs

Wt Pulled Loose 0.00 lbs

Initial Str Wt 50000.00 lbs

Unseated Str Wt 0.00 lbs

Bot Choke 0.78 in

Hole Size 7.78 in

D Col. ID 0.00 in

D. Pipe ID 3.38 in

D.C. Length 0.00 ft

D.P. Length 4248.00 ft

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

BLOW DESCRIPTION

MUD DATA-----

Mud Type chemical

Weight 0.00 lb/cf

Vis. 0.00 S/L

W.L. 0.00 in3

F.C. 0.00 in

Mud Drop

Amt. of fill 0.00 ft

Btm. H. Temp. 0.00 F

Hole Condition

% Porosity 0.00

Packer Size 6.75 in

No. of Packers 3

Cushion Amt. 0.00

SAMPLES:

SENT TO:

Cushion Type

Reversed Out

Tool Chased

Tester Scott Bugbee

Co. Rep. Sam Carmac

Contr. Val

Rig # 1

Unit #

Pump T.

Test Successful:

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: E Shore "21-11"

LOCATION : 31-30S-40W Stanton co KS

TICKET No. 12214 D.S.T. No. 3 DATE 11-3-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 22

TOTAL TOOL 52

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.Stands Single Total

D.P. ABOVE TOOLS.Stands 69 Single 1 Total 4308

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4360

TOTAL DEPTH 4350

TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:

FLUID SAMPLER DATA

Total Vol. 5000 ML.

Total Vol. Rec. 4700 ML.

Oil 0 ML.

Mud 0 ML.

Wtr. 4700 ML.

Gas 1.4 CF.

Psi. 740

ght. 119 F.

Pit RW. 5.9 Ohms at 72 F. 900 PPM.

ec RW. 0.26 Ohms at 51 F. 38,100 PPM.

Gravity -- at -- F.

P.O. SUB Cir. sub	4238
C.O. SUB Top of tool	4298
Co. sub	4299
S.I. TOOL H&T	4304
Sampler	4307
HMV Sterling	4312
JARS Bowen	4317
SAFETY JOINT Bowen	4319
PACKER Sparton	4324
PACKER Sparton	4328
DEPTH	
STUBB 1 ft.	4329
ANCHOR Rec. sub	4330
Alpine	4330
T.C.	
DEPTH	
Pu. sub	4335
AK-1	4347
13 ft. perfs	4348
BULLNOSE 2 ft. perf	
T.D.	4350

TEST HISTORY

12237 DST#6 E shore 21-11 McElvain Oil & Gas

Flag Points

t (Min.)	P (PSig)
0.00	1974.13
0.00	1926.28

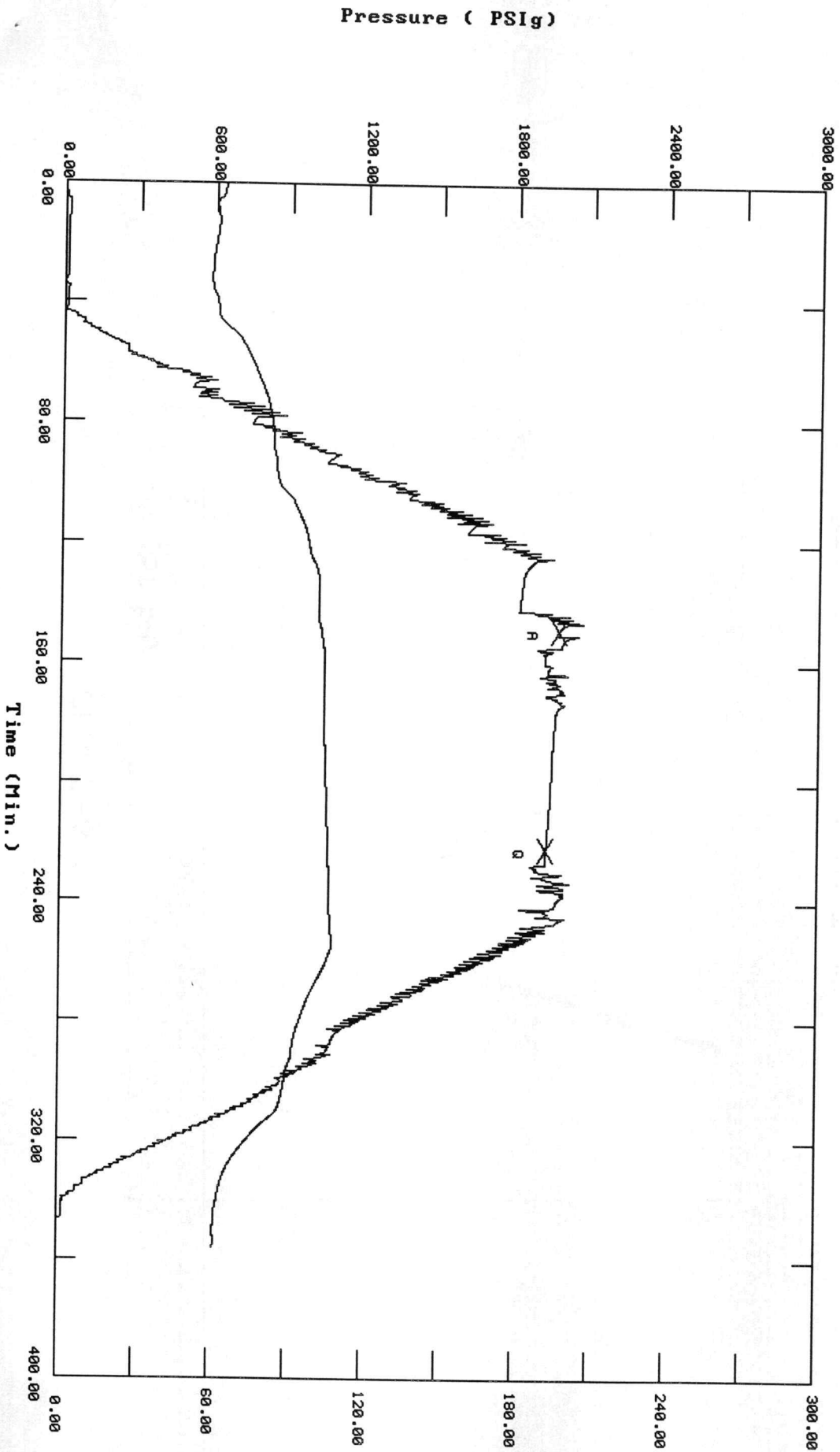
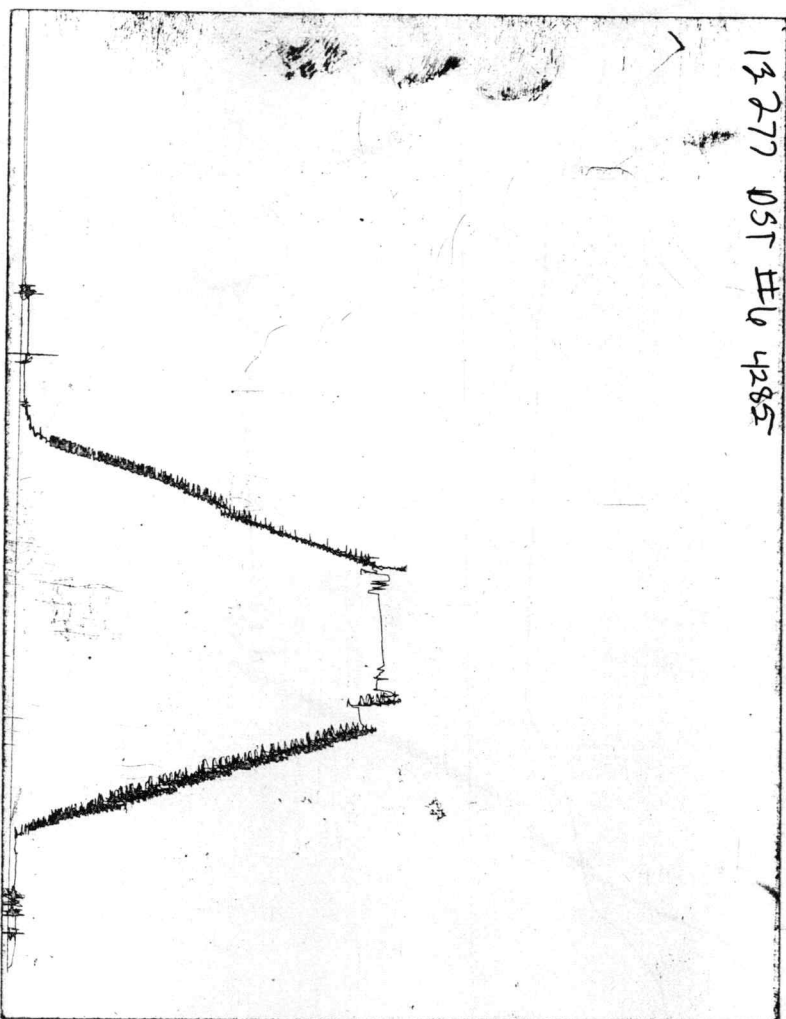


CHART PAGE

13277 05T #6 4285



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12237

Test Ticket

Well Name & No.	<u>E. Shore #21-11</u>	Test No.	<u>6</u>	Date	<u>11-10-99</u>
Company	<u>McElvain Oil & Gas</u>	Zone Tested	<u>Marmaton</u>		
Address	<u>Denver Colo.</u>	Elevation		KB	GL
Co. Rep / Geo.	<u>Sam Carmack</u>	Cont.	<u>Val Rsgl</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>21</u>	Twp.	<u>30s</u>	Rge.	<u>40w</u>
				Co.	<u>Stanton</u>
				State	<u>Ks</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
				Evaluation (Y, N)	

Interval Tested	<u>4260-4290</u>	Initial Str Wt./Lbs.	<u>50,000</u>	Unseated Str Wt./Lbs.	
Anchor Length	<u>30'</u>	Wt. Set Lbs.		Wt. Pulled Loose/Lbs.	
Top Packer Depth	<u>4260</u>	Tool Weight			
Bottom Packer Depth	<u>4290</u>	Hole Size — 7 7/8"	☒	Rubber Size — 6 3/4"	☒
Total Depth	<u>5590</u>	Wt. Pipe Run		Drill Collar Run	
Mud Wt.	<u>9.0</u> LCM <u>1</u> Vis. <u>60</u> WL <u>6.4</u>	Drill Pipe Size	<u>4 1/2 x H</u>	Ft. Run	<u>4248</u>
Blow Description	<u>Miss run</u>				

Recovery — Total Feet		GIP		Ft. in DC		Ft. in DP	
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
Rec.	Feet Of			%gas	%oil	%water	%mud
BHT	°F Gravity	°API D@		°F Corrected Gravity		°API	
RW	@	°F Chlorides		ppm Recovery	Chlorides	ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI Recorder No.	<u>13777</u>	T-On Location	
(B) First Initial Flow Pressure			PSI (depth)	<u>4285</u>	T-Started	
(C) First Final Flow Pressure			PSI Recorder No.	<u>10333</u>	T-Open	
(D) Initial Shut-In Pressure			PSI (depth)	<u>4362</u>	T-Pulled	
(E) Second Initial Flow Pressure			PSI Recorder No.	<u>3026</u>	T-Out	
(F) Second Final Flow Pressure			PSI (depth)	<u>4267</u>	T-Off Location	
(G) Final Shut-in Pressure			PSI Initial Opening		Test	<u>✓ 500⁰⁰</u>
(Q) Final Hydrostatic Mud			PSI Initial Shut-in		Jars	<u>✓ 200⁰⁰</u>

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Approved By _____

Our Representative Scott Bugbee

Final Flow		Safety Joint	<u>✓ 50⁰⁰</u>
Final Shut-in		Straddle	<u>✓ 250⁰⁰</u>
		Circ. Sub	<u>✓ N/C</u>
		Sampler	<u>✓ 200⁰⁰ N/C</u>
		Extra Packer	<u>✓ 150⁰⁰</u>
		Elec. Rec.	<u>✓ 150⁰⁰</u>
		Mileage	<u>Hackwell 300⁰⁰</u>
		Other	<u>2 shale packers 300⁰⁰</u>
		TOTAL PRICE \$	<u>2100 1000</u>

4500
tools
left in hole

500