

TRILOBITE TESTING L.L.C.

OPERATOR : McElvain Oil & Gas

WELL NAME: Sentney #1-427

LOCATION : 27-30S-39W Stanton co KS

INTERVAL : 5635.00 To 5666.00 ft

DATE 5-16-99

KB 3202.00 ft

GR 3191.00 ft

TD 5666.00 ft

TICKET NO: 10975 DST #1

FORMATION: Basel Morrow

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	3227			PF Fr. 1831 to 1901 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1901 to 2001 hr
SF 60 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 2001 to 2101 hr
FS 120 Depth(ft)	5663.0	5663.0	5637.0	0.0	0.0	FS Fr. 2101 to 2301 hr

	Field	1	2	3	4	
A. Init Hydro	2898.0	2870.0	2881.0	0.0	0.0	T STARTED 1600 hr
B. First Flow	239.0	250.0	180.0	0.0	0.0	T ON BOTM 1828 hr
B1. Final Flow	293.0	311.0	291.0	0.0	0.0	T OPEN 1831 hr
C. In Shut-in	543.0	553.0	534.0	0.0	0.0	T PULLED 2301 hr
D. Init Flow	315.0	315.0	264.0	0.0	0.0	T OUT 0200 hr
E. Final Flow	326.0	343.0	325.0	0.0	0.0	
F. Fl Shut-in	532.0	548.0	534.0	0.0	0.0	
G. Final Hydro	2845.0	2870.0	2779.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2000.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	90000.00 lbs
Initial Str Wt	74000.00 lbs
Unseated Str Wt	75000.00 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	245.00 ft
D.P. Length	5369.00 ft

RECOVERY

Tot Fluid	75.00 ft of	75.00 ft in DC and	0.00 ft in DP
75.00	ft of Drilling 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 blow bottom of bucket in

30 secs. gas to surface in 4 mins.

Final Flow:

Strong blow bottom of bucket soon as

open tool MCF @ 1291000

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	67.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop Y	50.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 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	Mike Colantonio
Co. Rep.	Sam Carmack
Contr.	Murfin
Rig #	20
Unit #	
Pump T.	

SAMPLES: Yes 1

SENT TO: Caraway Lab Liberal.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Sentney #1-427

LOCATION : 27-30S-39W

TICKET No. 10975 D.S.T. No. 1 DATE 5-16-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30

TOTAL TOOL 61

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 245

D.P. ABOVE TOOLS.Stands86 Single Total 5369

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5675

TOTAL DEPTH 5666

TOTAL DRILL PIPE ABOVE K.B. 9

REMARKS:

SAMPLER DATA

.2 cubic Ft Gas

800Ml mud

50PSI

000Ml total

P.O. SUB Top tool	5605
C.O. SUB 1ft	5606
S.I. TOOL Sterling	5611
3ft SAMPLER	5614
HMV Sterling	5619
JARS Sterling	5624
SAFETY JOINT Bowens	5626
PACKER 5ft	5630
PACKER 5ft	5635
DEPTH	
STUBB 1ft	5636
ANCHOR	
1ft perf	5637
Alpine Rec.	5637
5ft P U sub	5642
T.C.	
DEPTH	
20ft Perf	5662
AK-1 Rec.	5663
BULLNOSE	
T.D. 4ft Bullplug	5666

From: Robert Caraway Caraway Analytical, Inc. Fax: 316-626-7108
To: Simpson, Paul - Backup Trilobite Tesing, L. L. C. Fax: 1-785-625-4504

21:28:08 5/17/99 Page 2 of 2 Log:779

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: 992437
Sample From: Sentner 1-427 DST 1
Producer: McElvain Oil Properties
Date:
Time:
Sampler:
Source:

Analyzed: 05/17/99
Pressure:
Temperature:
Location: 27-30-39
County: Stanton
State: Kansas
Formation: Morrow

	Mole %	GPM
Helium He:	0.909	0.000
Hydrogen H2:	0.010	0.000
Oxygen O2:	0.000	0.000
Nitrogen N2:	10.263	0.000
Carbon Dioxide CO2:	0.389	0.000
Methane C1:	78.010	0.000
Ethane C2:	4.666	1.248
Propane C3:	2.954	0.814
Iso Butane iC4:	0.533	0.174
Normal Butane nC4:	1.049	0.331
Iso Pentane iC5:	0.303	0.111
Normal Pentane nC5:	0.358	0.130
Hexanes Plus C6+:	0.556	0.243
TOTAL:	100.000	3.050
Z Fact:	0.9975	
SP. GR.:	0.7001	
BTU (SAT):	1038.1 @	14.73 psia
BTU (DRY):	1056.4 @	14.73 psia
OCTANE RATING:	111.1	

COMMENTS:

0.000

GAS RECOVERY

COMPANY: McElvain Oil & Gas

DATE: 5-16-99

WELL NAME: Sentney #1-427

KB Elev: 3202.00 ft TICKET #10975 DST #1

WELL LOCATION: 27-30S-39W

GR Elev: 3191.00 ft FORMATION: Basel Morrow

INTERVAL Fr.: 5635.00 To 5666.00 T.D.: 5666.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	11	0	499000.0
15	1.00	18	0	687000.0
30	1.00	0	0	0.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	30	0	951000.0
15	1.00	37	0	1098000.0
20	1.00	40	0	1162000.0
25	1.00	42	0	1205000.0
30	1.00	44	0	1247000.0
40	1.00	45	0	1269000.0
45	1.00	46	0	1291000.0
50	1.00	46	0	1291000.0
60	1.00	46	0	1291000.0

TEST HISTORY

10975 DST #1 Sentney #1-427 McElvain Oil & Gas Prop. Inc.

Flag Points

t(Min.) PK PSig

A: 0.00 2881.38
 B: 0.00 180.31
 C: 28.50 291.08
 D: 59.75 534.59
 E: 0.00 325.69
 F: 120.75 534.49
 Q: 0.00 2779.42

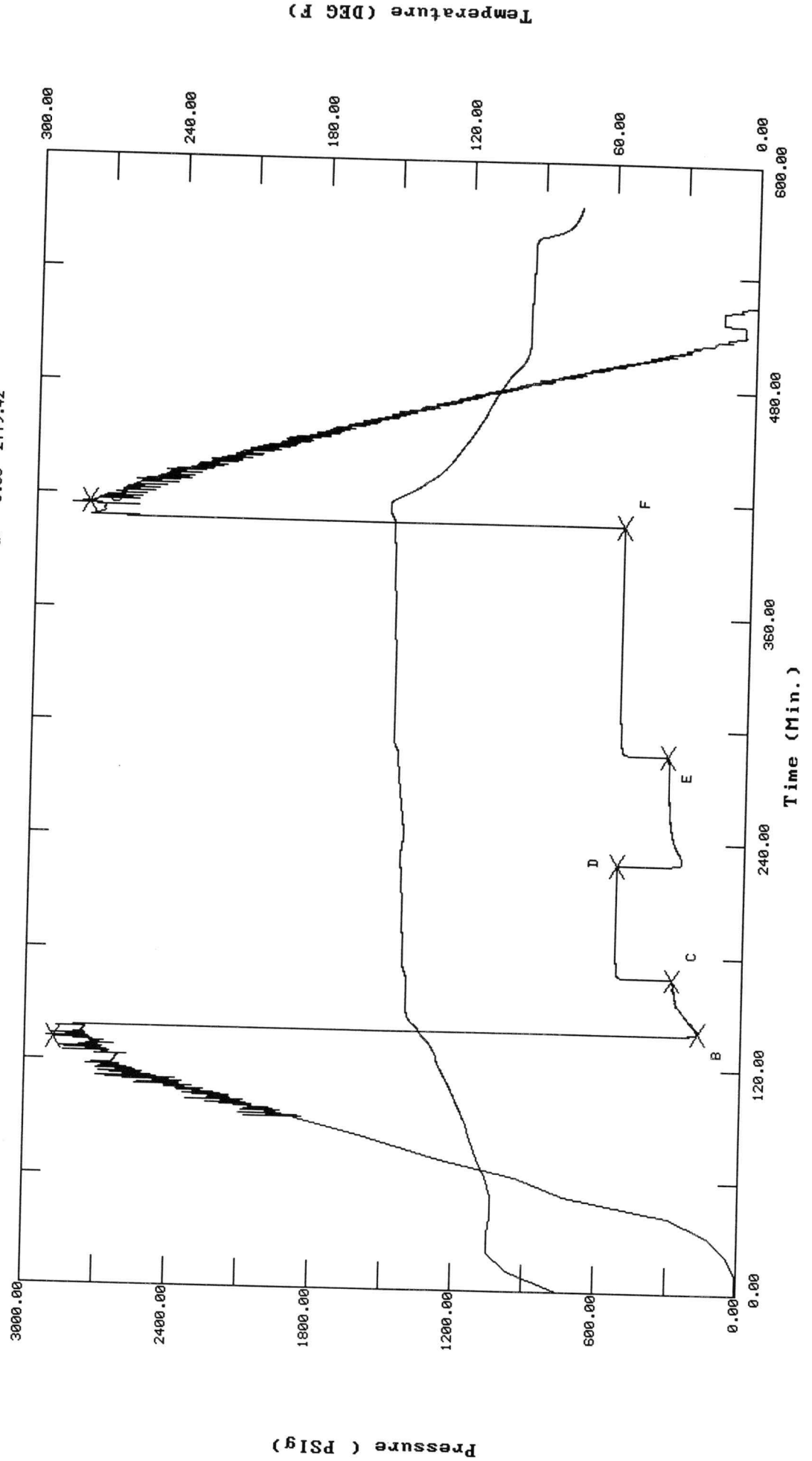
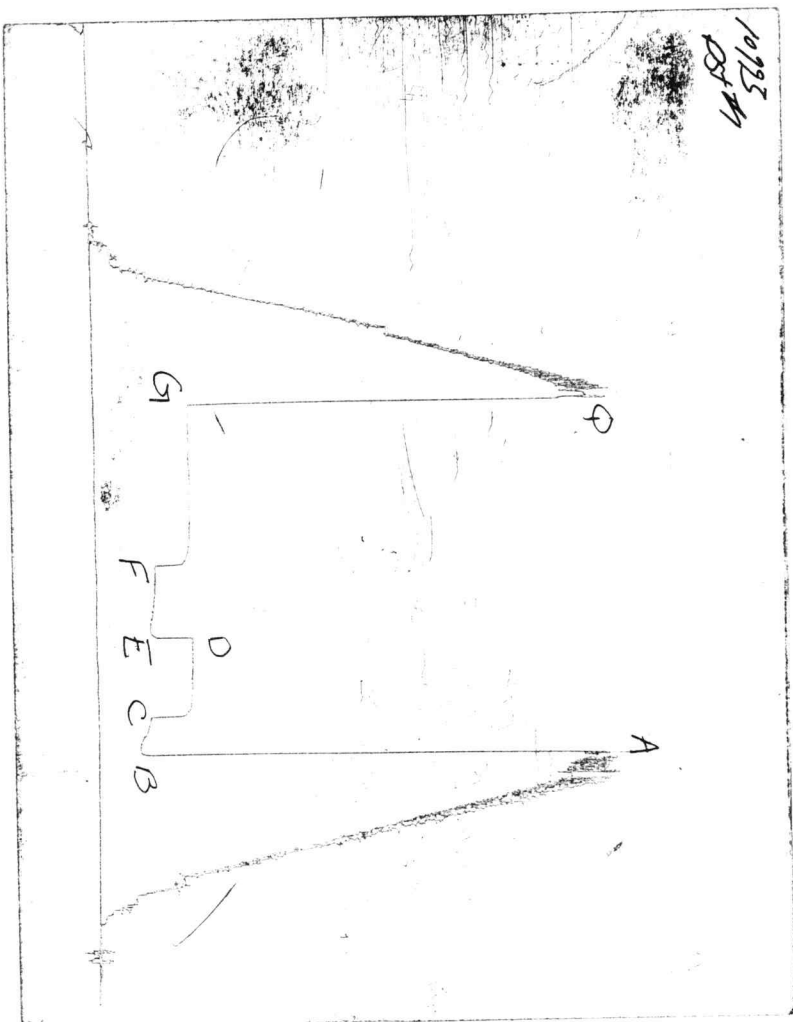


CHART PAGE



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

Well Name Seating 1-427
DST Number 1
Recorder Number 10993

A: 2.1674 2870

B: 230 250

C: 287 311

D: 510 553

E: 290 315

F: 316 343

G: 505 548

Q: 2.1674 2870

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10975

Well Name & No. <u>Sentry #1-427</u>	Test No. <u>#1</u>	Date <u>5-16-98</u>
Company <u>McElvain Oil & Gas Properties Inc.</u>	Zone Tested <u>Base/Matrix Sand</u>	
Address <u>1050 17th St. Suite 700 Denver Colo. 80265</u>	Elevation <u>3202</u> KB <u>3191</u> GL	
Co. Rep / Geo. <u>Sam Carmack</u>	Cont. <u>Master Rig #20</u>	Est. Ft. of Pay <u>6</u> Por. <u>20</u> %
Location: Sec. <u>27</u> Twp. <u>30S</u> Rge. <u>37W</u>	Co. <u>Stanton</u> State <u>KS</u>	
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5635 - 5666 Initial Str Wt./Lbs. 7400 Unseated Str Wt./Lbs. 1500
Anchor Length 31' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 7000
Top Packer Depth 5630 Tool Weight 2000
Bottom Packer Depth 5635 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X
Total Depth 5666 Wt. Pipe Run _____ Drill Collar Run 245' 45Hs
Mud Wt. 9.1 LCM 2" Vis. 67 WL 6.4 Drill Pipe Size 4.5x-0 Ft. Run 5369' 86Hs
Blow Description Strong Blow B.O.B in 30 sec GTS in 4 min MCF @ 687,000

2nd opening Strong Blow B.O.B soon as open Tool

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>75</u>		<u>75</u>	
Rec. <u>75</u> Feet Of <u>Only Mud</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 116 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud <u>2881</u>	<u>2898</u> PSI	Recorder No. <u>3227</u>	T-Started <u>4:00pm</u>
(B) First Initial Flow Pressure <u>180</u>	<u>239</u> PSI	(depth) <u>5637</u>	T-Open <u>6:34pm</u>
(C) First Final Flow Pressure <u>291</u>	<u>293</u> PSI	Recorder No. <u>10993</u>	T-Pulled <u>11:01pm</u>
(D) Initial Shut-in Pressure <u>534</u>	<u>543</u> PSI	(depth) <u>5663</u>	T-Out <u>2:00am</u>
(E) Second Initial Flow Pressure <u>264</u>	<u>315</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>325</u>	<u>326</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>534</u>	<u>532</u> PSI	Initial Opening <u>30min</u>	Test <u>✓ Conventional 800</u>
(H) Final Hydrostatic Mud <u>2779</u>	<u>2845</u> PSI	Initial Shut-in <u>60min</u>	Jars <u>✓ 200</u>
<u>Alpin</u>	<u>AK-1</u>	Final Flow <u>60min</u>	Safety Joint <u>✓ 50</u>
		Final Shut-in <u>120min</u>	Straddle _____
			Circ. Sub <u>✓ N/C</u>
			Sampler <u>✓ 200</u>
			Extra Packer _____
			Elect. Rec. <u>✓ 150</u>
			Other _____

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Approved By Sam Carmack
Our Representative Mike [Signature]

TOTAL PRICE \$ 151,350
1400