15-135-24104 TRILOBITE TESTING L.L.C. 31-19s-23w

OPERATOR : MidContinent Energy Corp DATE 4-29-00
WELL NAME: Stum #9 KB 2283.00 ft TICKET NO: 12711 DST #1
LOCATION : 31-19-23 Ness co KS GR 2278.00 ft FORMATION: Ft. Scott
INTERVAL : 4234.00 To 4284.00 ft TD 4284.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 45	Rec.	11058	11058			
SI 60	Range(Psi)	4475.0	4475.0	0.0	0.0	0.0
SF 60	Clock(hrs)	12	12			
FS 60	Depth(ft)	4279.0	4279.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. 1020 to 1105 hr
IS Fr. 1105 to 1205 hr
SF Fr. 1205 to 1305 hr
FS Fr. 1305 to 1405 hr

	Field	1	2	3	4
A. Init Hydro	2132.0	2161.0	0.0	0.0	0.0
B. First Flow	77.0	65.0	0.0	0.0	0.0
B1. Final Flow	122.0	103.0	0.0	0.0	0.0
C. In Shut-in	1386.0	1363.0	0.0	0.0	0.0
D. Init Flow	166.0	150.0	0.0	0.0	0.0
E. Final Flow	222.0	195.0	0.0	0.0	0.0
F. Fl Shut-in	1364.0	1324.0	0.0	0.0	0.0
G. Final Hydro	2121.0	2115.0	0.0	0.0	0.0
Inside/Outside	O	O			

T STARTED 0830 hr
T ON BOTM 1015 hr
T OPEN 1020 hr
T PULLED 1405 hr
T OUT 1620 hr

RECOVERY
Tot Fluid 340.00 ft of 0.00 ft in DC and 340.00 ft in DP
20.00 ft of Gas in pipe.
40.00 ft of Slightly gas & oil cut muddy water
0.00 ft of 2% gas 1% oil 40% water 57% mud
120.00 ft of Mud cut water w/ spots of oil
0.00 ft of 70% water 30% mud
180.00 ft of Slightly mud cut water
0.00 ft of 85% water 15% mud
0.00 ft of
SALINITY 25000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Flow:
1/4" @ open built to 7".
Initial Shut-In:
No return.
Final Flow:
1/4" @ open built to 5".
Final Shut-In:
No return.

SAMPLES:
SENT TO:

Test Successful: Y

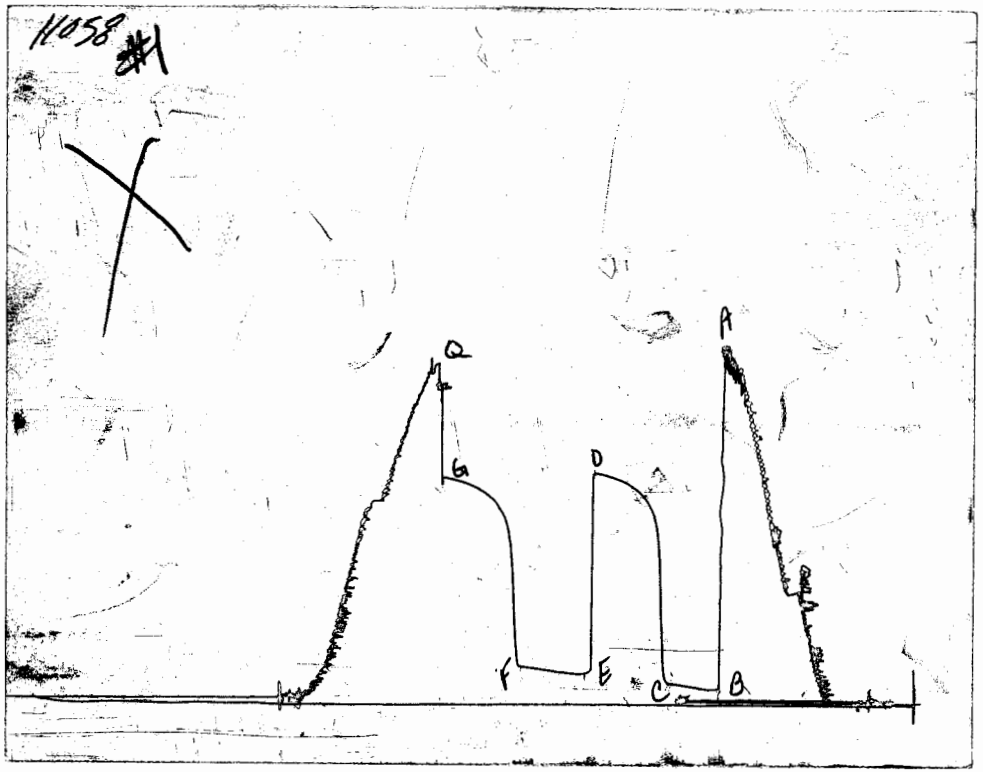
TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	62000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3797.00 ft
H.W. I.D	2.70 in
H.W. Length	455.00 ft

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	46.00 S/L
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1140.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	John Rose
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

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

Test Ticket

№ 12711

Well Name & No. Stum #9 Test No. 1 Date 4-29-00

Company Mid Continent Energy Corp. Zone Tested Ft Scott

Address 105 S. Broadway, Suite 900 Wichita, Ks Elevation 2283' KB 2270 GL

Co. Rep / Geo. John Rose Cont. Shields Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 31 Twp. 19 Rge. 23 Co. Ness State Ks

No. of Copies Verbal Distribution Sheet (Y, N) ___ Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested 4234' 4284'

Anchor Length 50'

Top Packer Depth 4229'

Bottom Packer Depth 4234'

Total Depth 4284'

Mud Wt. 9.0 LCM #1 Vis. 46 WL 10.8

Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 65,000

Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 75,000

Tool Weight 5,200

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

Wt. Pipe Run 455' XH Drill Collar Run —

Drill Pipe Size 4½ FH Ft. Run 3797'

Blow Description ¼" in @ open built to 7" in
No return
½" in @ open built to 5" in.
No return

Recovery — Total Feet 340 GIP 20' Ft. in DC — Ft. in DP 340'

Rec. 40'	Feet Of SGSOCMW	2 %gas	1 %oil	40 %water	57 %mud	
Rec. 120'	Feet Of MCW	%gas	spots %oil	70 %water	30 %mud	
Rec. 180'	Feet Of SMCW	%gas	%oil	85 %water	15 %mud	
Rec.	Feet Of	%gas	%oil	%water	%mud	
Rec.	Feet Of	%gas	%oil	%water	%mud	

BHT 114° °F Gravity — °API D@ — °F Corrected Gravity — °API

RW .25 @ 76° °F Chlorides 25,000 ppm Recovery Chlorides 6,500 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2132		PSI	Recorder No.	2023	T-On Location 07:10 AM
(B) First Initial Flow Pressure	77		PSI	(depth)	4248'	T-Started 08:30 A.M.
(C) First Final Flow Pressure	122		PSI	Recorder No.	11058	T-Open 10:20 A.M.
(D) Initial Shut-In Pressure	1386		PSI	(depth)	4279'	T-Pulled 14:05 P.M.
(E) Second Initial Flow Pressure	166		PSI	Recorder No.		T-Out 16:20 P.M.
(F) Second Final Flow Pressure	222		PSI	(depth)		T-Off Location 16:55 pm
(G) Final Shut-in Pressure	1364		PSI	Initial Opening	45	Test X 700
(Q) Final Hydrostatic Mud	2121		PSI	Initial Shut-in	60	Jars ___
				Final Flow	60	Safety Joint X 50
				Final Shut-in	60	Straddle ___
						Circ. Sub X N/C
						Sampler ___
						Extra Packer ___
						Elec. Rec. ___
						Mileage 58 miles
						Other ___
						TOTAL PRICE $ 750

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 Bud

TRILOBITE TESTING L.L.C.

OPERATOR : MidContinent Energy Corp DATE 4-30-00
WELL NAME: Stum #9 KB 2283.00 ft TICKET NO: 12712 DST #2
LOCATION : 31-19-23 Ness co KS GR 2278.00 ft FORMATION: Cherokee Sand
INTERVAL : 4306.00 To 4360.00 ft TD 4360.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	45	Rec.	11058	11058			
SI	60	Range(Psi)	4475.0	4475.0	0.0	0.0	0.0
SF	45	Clock(hrs)	12	12			
FS	60	Depth(ft)	4357.0	4357.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. 0820 to 0905 hr
IS Fr. 0905 to 1005 hr
SF Fr. 1005 to 1050 hr
FS Fr. 1050 to 1150 hr

	Field	1	2	3	4
A. Init Hydro	2154.0	2099.0	0.0	0.0	0.0
B. First Flow	122.0	90.0	0.0	0.0	0.0
B1. Final Flow	288.0	275.0	0.0	0.0	0.0
C. In Shut-in	647.0	626.0	0.0	0.0	0.0
D. Init Flow	355.0	334.0	0.0	0.0	0.0
E. Final Flow	422.0	405.0	0.0	0.0	0.0
F. Fl Shut-in	624.0	614.0	0.0	0.0	0.0
G. Final Hydro	2143.0	2031.0	0.0	0.0	0.0
Inside/Outside	O	O			

T STARTED 0635 hr
T ON BOTM 0815 hr
T OPEN 0820 hr
T PULLED 1150 hr
T OUT 1500 hr

RECOVERY
Tot Fluid 1095.00 ft of 0.00 ft in DC and 1095.00 ft in DP
50.00 ft of Gas in pipe.
100.00 ft of Clean gassy oil
0.00 ft of 20% gas 80% oil
485.00 ft of Mud cut gassy oil
0.00 ft of 30% gas 60% oil 10% mud
510.00 ft of Mud cut gassy oil
0.00 ft of 30% gas 45% oil 25% mud
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 35.00

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	62000.00 lbs
Unseated Str Wt	65000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3892.00 ft
H.W. I.D	2.70 in
H.W. Length	455.00 ft

BLOW DESCRIPTION
Initial Flow:
1/2" @ open built to bottom of bucket
in 6 minutes.
Initial Shut-In:
Bled off for 1 minute. Weak surface
return in 10 minutes. Built to 1/2".
Final Flow:
1/2" @ open built to bottom of bucket
in 11 minutes.
Final Shut-In:
Bled off for 1 1/2 minutes. Return in
5 minutes. Built to 1".

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	47.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	1180.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	John Rose
Contr.	Shields
Rig #	1
Unit #	
Pump T.	

SAMPLES:
SENT TO:

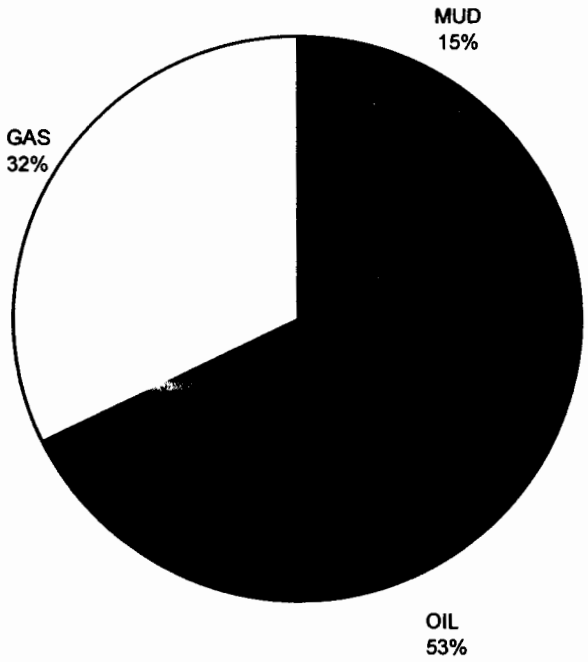
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 2 TICKET 12712

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL	1	50	100	50	0	0	0	0	0	0
PIPE	2	100	20	20	80	80	0	0	0	0
	3	485	30	145.5	60	291	0	0	10	48.5
	4	510	30	153	45	229.5	0	0	25	127.5
	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	0	0	0	0	0	0	0	0	0
COLLARS	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
TOTAL		1145	0	368.5	0	600.5	0	0	0	176

			HRS OPEN		BBL/DAY
BBL OIL=	8.53911	*	1.5	=	136.62576
BBL WATER=	0	*		=	0
BBL MUD=	2.50272				
BBL GAS =	5.24007				



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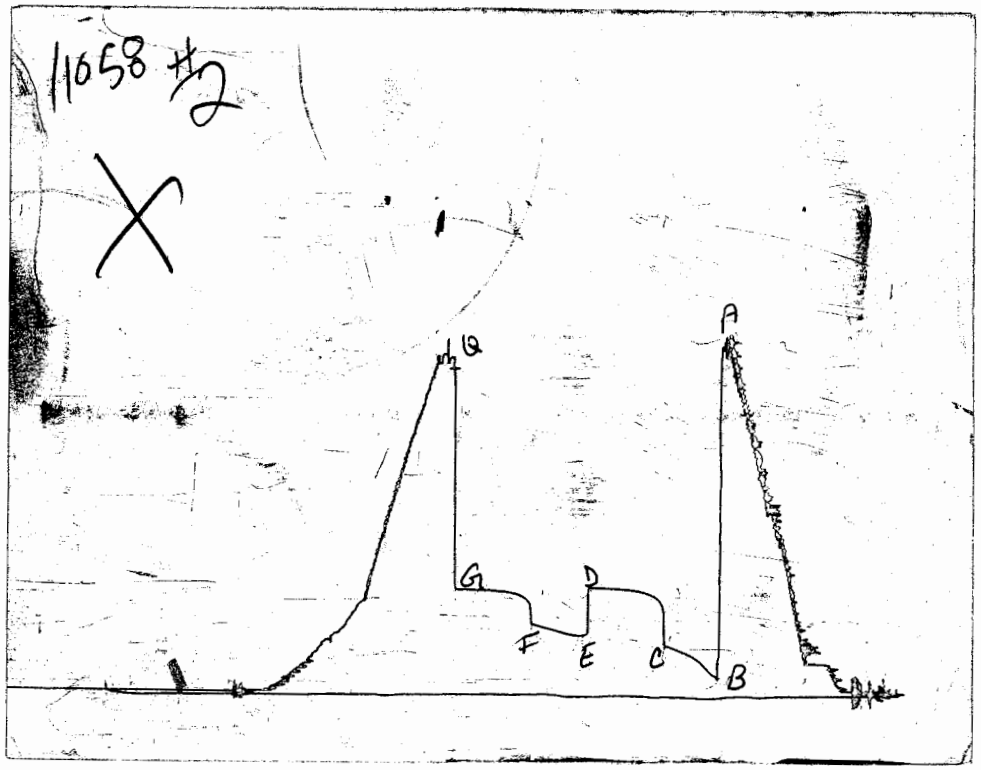

This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 12712

Well Name & No. Flynn #9 Test No. #2 Date 4-30-00

Company Mid Continent Energy Corp. Zone Tested Cherokee sand

Address 105 S. Broadway, Suite 960, Wichita, Ks Elevation 2283' KB 2278' GL

Co. Rep / Geo. John Rose Cont. Shields Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 31 Twp. 19 Rge. 23 Co. Ness State Ks

No. of Copies Norm Distribution Sheet (Y, N) ____ Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 4306' 4360' Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 65,000

Anchor Length 54' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 4301' Tool Weight 5,000

Bottom Packer Depth 4306' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4360 Wt. Pipe Run 455' XH Drill Collar Run —

Mud Wt. 9.1 LCM #1/2 Vis. 47 WL 10.0 Drill Pipe Size 4½ FH Ft. Run 3892'

Blow Description 1/2" in @ open built to B.O.B in 6 min.
Bleed off for 1 min, weak surface return in 10 min. built to 1/2" in.
1/2" in @ open built to B.O.B in 11 min.
Bleed off for 1½ min, return in 5 min built to 1" in.

Recovery — Total Feet 1095' GIP 50' Ft. in DC — Ft. in DP 1095'

Rec. 100'	Feet Of CGO	20 %gas	80 %oil	%water	%mud
Rec. 485'	Feet Of MCGO	30 %gas	60 %oil	%water	10 %mud
Rec. 510'	Feet Of MCGO	30 %gas	45 %oil	%water	25 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 118° °F Gravity 35 °API D@ 60° °F Corrected Gravity 35 °API

RW — @ — °F Chlorides — ppm Recovery Chlorides — ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	2154		PSI	Recorder No.	2023	T-On Location	05:20 A.M.
(B) First Initial Flow Pressure	122		PSI	(depth)	4323'	T-Started	06:35 A.M.
(C) First Final Flow Pressure	288		PSI	Recorder No.	11058	T-Open	08:20 A.M.
(D) Initial Shut-In Pressure	647		PSI	(depth)	4357'	T-Pulled	11:50 A.M.
(E) Second Initial Flow Pressure	355		PSI	Recorder No.		T-Out	15:00 p.m.
(F) Second Final Flow Pressure	422		PSI	(depth)		T-Off Location	16:10 p.m.
(G) Final Shut-in Pressure	624		PSI	Initial Opening	45	Test	700
(Q) Final Hydrostatic Mud	2143		PSI	Initial Shut-in	60	Jars	
				Final Flow	45	Safety Joint	50
				Final Shut-in	60	Straddle	
						Circ. Sub	N/C
						Sampler	
						Extra Packer	
						Elec. Rec.	
						Mileage	
						Other	
						TOTAL PRICE $	750

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