15-009-24693 TRILOBITE TESTING L.L.C. 3-17s-12w

OPERATOR : Eagle Petroleum DATE 12-2-00
WELL NAME: Stumps #B-7 KB 1855.00 ft TICKET NO: 13918 DST #1
LOCATION : 3-17s-12w Barton co KS GR 1850.00 ft FORMATION: LKC
INTERVAL : 3044.00 To 3110.00 ft TD 3110.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11085	11085			
SI 45	Range(Psi)	4300.0	4300.0	0.0	0.0	0.0
SF 45	Clock(hrs)	12	12			
FS 45	Depth(ft)	3045.0	3045.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. 0540 to 0610 hr
IS Fr. 0610 to 0655 hr
SF Fr. 0655 to 0740 hr
FS Fr. 0740 to 0825 hr

	Field	1	2	3	4
A. Init Hydro	1452.0	1455.0	0.0	0.0	0.0
B. First Flow	22.0	33.0	0.0	0.0	0.0
B1. Final Flow	22.0	14.0	0.0	0.0	0.0
C. In Shut-in	756.0	751.0	0.0	0.0	0.0
D. Init Flow	22.0	36.0	0.0	0.0	0.0
E. Final Flow	22.0	36.0	0.0	0.0	0.0
F. Fl Shut-in	528.0	527.0	0.0	0.0	0.0
G. Final Hydro	1441.0	1444.0	0.0	0.0	0.0
Inside/Outside	I	I			

T STARTED 0415 hr
T ON BOTM 0535 hr
T OPEN 0540 hr
T PULLED 0825 hr
T OUT 0955 hr

RECOVERY
Tot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
25.00 ft of Mud w/ show of oil
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

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

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	39000.00 lbs
Unseated Str Wt	39000.00 lbs
Bot Choke	0.75 in
Hole Size	7.75 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3024.00 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow throughout 1/2" to 3/4"
blow.
FInal Flow:
Weak surface blow throughout.
slid tool approximately 5' to bottom

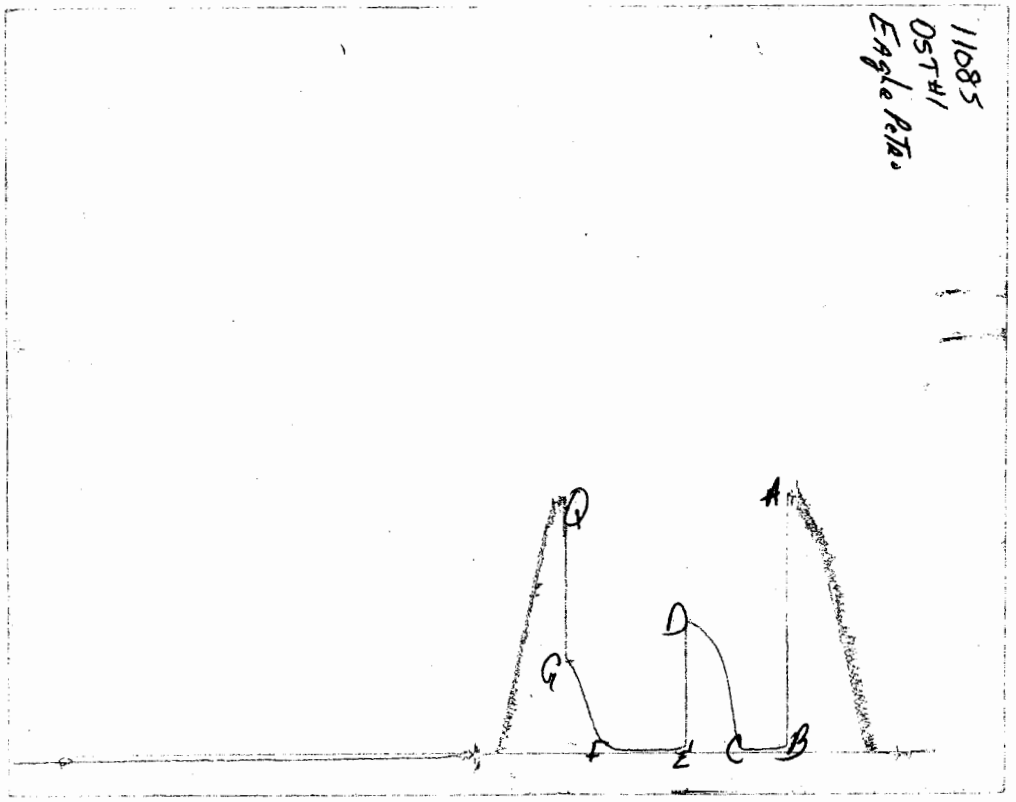
MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	47.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 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	Ray Schwager
Co. Rep.	Jim Musgrove
Contr.	LD Drilling
Rig #	1
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 13918

Test Ticket

Well Name & No. Stumps #8-7 Test No. 1 Date 12-2-00

Company Eagle Petroleum Zone Tested LKC

Address P.O. Box 106 Buston, Ks 67427 Elevation 1855 KB 1850 GL

Co. Rep / Geo. Jim Musgrove Cont. LD Drlg rig 1 Est. Ft. of Pay - Por. - %

Location: Sec. 3 Twp. 17s Rge. 12w Co. BARTON State Ks

No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3044-3110 Initial Str Wt./Lbs. 39000 Unseated Str Wt./Lbs. 39000

Anchor Length 66 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 45000

Top Packer Depth 3039 Tool Weight 2200

Bottom Packer Depth 3044 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes

Total Depth 3110 Wt. Pipe Run - Drill Collar Run -

Mud Wt. 9.1 LCM - Vis. 47 WL 8.4 Drill Pipe Size 4½XH Ft. Run 3024

Blow Description IFP-Weak Blow Throughout ½ To ¾" Blow

FFP-Weak surface Blow Throughout

Slid Tool approx 5' To Bottom

Recovery — Total Feet 25 GIP - Ft. in DC - Ft. in DP 25

Rec. 25	Feet Of Mud	%gas	%oil	%water	%mud
Rec.	Feet Of w/show of oil	%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 100 °F Gravity °API D@ °F Corrected Gravity °API

RW - @ - °F Chlorides - ppm Recovery Chlorides 3000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	1452		PSI	Recorder No.	11085	T-On Location	0300
(B) First Initial Flow Pressure	22		PSI	(depth)	3045	T-Started	0415
(C) First Final Flow Pressure	22		PSI	Recorder No.	13547	T-Open	0540
(D) Initial Shut-In Pressure	756		PSI	(depth)	3048	T-Pulled	0825
(E) Second Initial Flow Pressure	22		PSI	Recorder No.	-	T-Out	0955
(F) Second Final Flow Pressure	22		PSI	(depth)	-	T-Off Location	1000
(G) Final Shut-in Pressure	528		PSI	Initial Opening	30	Test ✓	700
(Q) Final Hydrostatic Mud	1441		PSI	Initial Shut-in	45	Jars	
				Final Flow	45	Safety Joint	
				Final Shut-in	45	Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	
						Mileage ✓	57 24
						Other	
						TOTAL PRICE $ ✓	724

6:55

Approved By Jim Musgrove

Our Representative Ray Schwager Thank you

TRILOBITE TESTING L.L.C.

OPERATOR : Eagle Petroleum — DATE 12-3-00
WELL NAME: Stumps #B-7 — KB 1855.00 ft — TICKET NO: 13919 — DST #2
LOCATION : 3-17s-12w Barton co KS — GR 1850.00 ft — FORMATION: Arbuckle
INTERVAL : 3292.00 To 3321.00 ft — TD 3321.00 ft — TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	11085	11085			
SI	45	Range(Psi)	4300.0	4300.0	0.0	0.0	0.0
SF	45	Clock(hrs)	12	12			
FS	45	Depth(ft)	3293.0	3293.0	0.0	0.0	0.0

TIME DATA----------
PF Fr. 0600 to 0645 hr
IS Fr. 0645 to 0715 hr
SF Fr. 0715 to 0800 hr
FS Fr. 0800 to 0830 hr

	Field	1	2	3	4
A. Init Hydro	1614.0	1637.0	0.0	0.0	0.0
B. First Flow	44.0	44.0	0.0	0.0	0.0
B1. Final Flow	209.0	211.0	0.0	0.0	0.0
C. In Shut-in	1126.0	1113.0	0.0	0.0	0.0
D. Init Flow	242.0	244.0	0.0	0.0	0.0
E. Final Flow	363.0	348.0	0.0	0.0	0.0
F. Fl Shut-in	1126.0	1110.0	0.0	0.0	0.0
G. Final Hydro	1603.0	1608.0	0.0	0.0	0.0
Inside/Outside	I	I			

T STARTED 0430 hr
T ON BOTM 0555 hr
T OPEN 0600 hr
T PULLED 0830 hr
T OUT 1030 hr

RECOVERY
Tot Fluid 795.00 ft of 0.00 ft in DC and 795.00 ft in DP
20.00 ft of Gas in pipe
20.00 ft of Clean Oil 100%
200.00 ft of Gas cut muddy watery oil
0.00 ft of 5% gas 35% oil 35% water 25% mud
225.00 ft of Gas cut muddy watery oil
0.00 ft of 10% gas 50% oil 32% water 8% mud
80.00 ft of Oil cut muddy water 10% oil 85% water 5% mud
270.00 ft of Water 100%
SALINITY 21000.00 P.P.M. A.P.I. Gravity 32.00

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

Tool Wt.	2200.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	50000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	45000.00 lbs
Bot Choke	0.75 in
Hole Size	7.75 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3272.00 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow in 8 minutes.

Final Flow:
Weak to strong blow in 40 minutes.

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

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	106.00 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	Ray Schwager
Co. Rep.	Jim Musgrove
Contr.	LD Drilling
Rig #	1
Unit #	
Pump T.	

SAMPLES:
SENT TO:

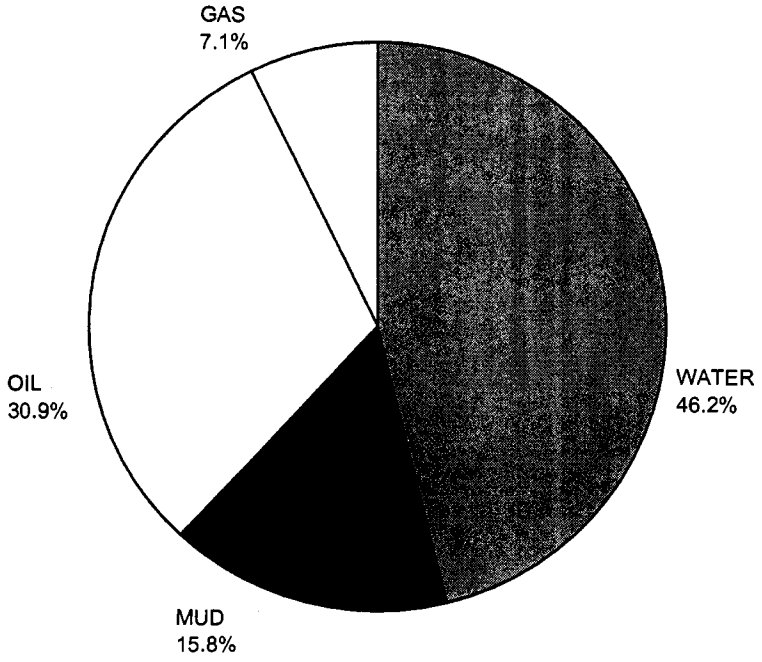
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 2 TICKET 13919

SAMPLE #		TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL PIPE	1	20	100	0	0	0	0	0	0	0
	2	20	0	0	100	20	0	0	0	0
	3	200	5	10	35	0	35	70	25	50
	4	225	10	22.5	50	112.5	32	72	8	18
	5	80	0	0	10	8	85	68	5	4
	6	270	0	0	0	0	100	270	0	0
WEIGHT PIPE	1	0	0	0	0	0	0	0	0	0
	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 COLLARS	1	0	0	0	0	0	0	0	0	0
	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		815	0	32.5	0	140.5	0	480	0	72

			HRS OPEN		BBL/DAY
BBL OIL=	1.99791	*	1.5	=	31.96656
BBL WATER=	2.9862	*		=	47.7792
BBL MUD=	1.02384				
BBL GAS =	0.46215				



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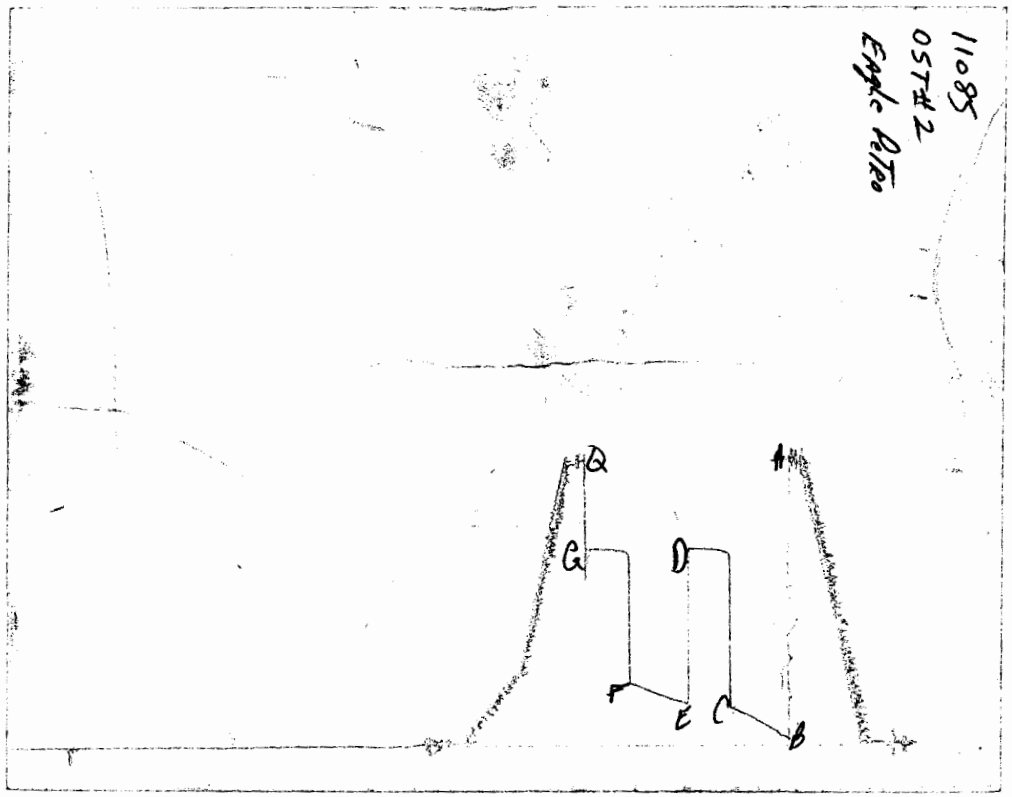

This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 № 13919

Test Ticket

Well Name & No. Stumps # 8 #7 Test No. 2 Date 12-3-00

Company Eagle Petroleum Zone Tested Arbuckle

Address P.O. Box 106 Bushton, Ks 67427 Elevation 1857 KB 1852 GL

Co. Rep / Geo. Jim Musgrove Cont. 20 Orlg rig 1 Est. Ft. of Pay — Por. — %

Location: Sec. 3 Twp. 17S Rge. 12W Co. Barton State Ks

No. of Copies Reg Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 3292-3321 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 44000

Anchor Length 29 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50000

Top Packer Depth 3287 Tool Weight 2200

Bottom Packer Depth 3292 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes

Total Depth 3321 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.3 LCM - Vis. 46 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3272

Blow Description IFP - STRONG BLOW IN 8 MIN

FFP - WEAK TO STRONG BLOW IN 40 MIN

Recovery — Total Feet 795 GIP 20' Ft. in DC — Ft. in DP 795

Rec. 20	Feet Of CLEAN OIL	%gas	%oil	%water	%mud
Rec. 200	Feet Of GCMWO	5 %gas	35 %oil	35 %water	25 %mud
Rec. 225	Feet Of GCMWO	10 %gas	50 %oil	32 %water	8 %mud
Rec. 80	Feet Of OCMW	%gas	10 %oil	85 %water	5 %mud
Rec. 270	Feet Of WATER	%gas	%oil	%water	%mud

BHT 106 °F Gravity 32 °API D@ 60 °F Corrected Gravity 32 °API

RW .63 @ 35 °F Chlorides 21000 ppm Recovery Chlorides 4000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	1614		PSI	Recorder No.	13647	T-On Location 0415
(B) First Initial Flow Pressure	44		PSI	(depth)	3318	T-Started 0430
(C) First Final Flow Pressure	209		PSI	Recorder No.	11085	T-Open 0600
(D) Initial Shut-In Pressure	1126		PSI	(depth)	3293	T-Pulled 0830
(E) Second Initial Flow Pressure	242		PSI	Recorder No.	—	T-Out 1030
(F) Second Final Flow Pressure	363		PSI	(depth)	—	T-Off Location 1045
(G) Final Shut-in Pressure	1126		PSI	Initial Opening	45	Test ✓ 700
(Q) Final Hydrostatic Mud	1603		PSI	Initial Shut-in	30	Jars
				Final Flow	45	Safety Joint
				Final Shut-in	30	Straddle
						Circ. Sub
						Sampler
						Extra Packer
						Elec. Rec.
						Mileage ✓ 57 24
						Other
						TOTAL PRICE $ ✓ 724

6.15

Approved By Jim Musgrove

Our Representative Ray Schwager Thank you