15-167-23227 36-13s-12w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared for

Grady Bolding Corp
Box 486
Ellinwood, KS 67526

Lawson #1
36-13s-12w
Russell co KS

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
Grady Bolding Corp
Box 486
Ellinwood, KS 67526

		Date:	1/29/2003
Well name#:	Lawson #1	Ticket #:	16742
Location#:	36-13s-12w Russell co KS	DST#	1

General Informaion:

Formation:	LKC 35'	Test Type:	Conventional			BHT:	
Interval:	2927-2948	Tester:	Paul Simpson			OIL API:	
Total Depth:	2948	Elevation:	1805	ft(KB)		H2O Salinity:	6000
Hole Diameter:	7 7/8"		1800	ft(CF)			
Start Data:	1/29/2003	Tool Weight:		2200		Mud Type:	Chemical
Start Time:	11:55:00	Weight Set on Packers:		20000		Mud Weight:	9.2
Time tool opened:	13:19:00	Weight to Pull Loose:		46000		Viscosity:	49
Time Off Btm:	14:59:00	Initial String Weight:		46000		Water Loss:	10
End Date:	1/29/03	Final String Weight:		46000		Resistivity;	-
End Time:	16:05:00	Drill Pipe Length:		2919		Salinity:	
		Drill Collar Length:					
		Wt. Pipe Length:		409			

Test Comment:
IF: Weak - died in 20 minutes

FF: No blow - Flushed tool - no blow after surge

Recovery
Length(ft):

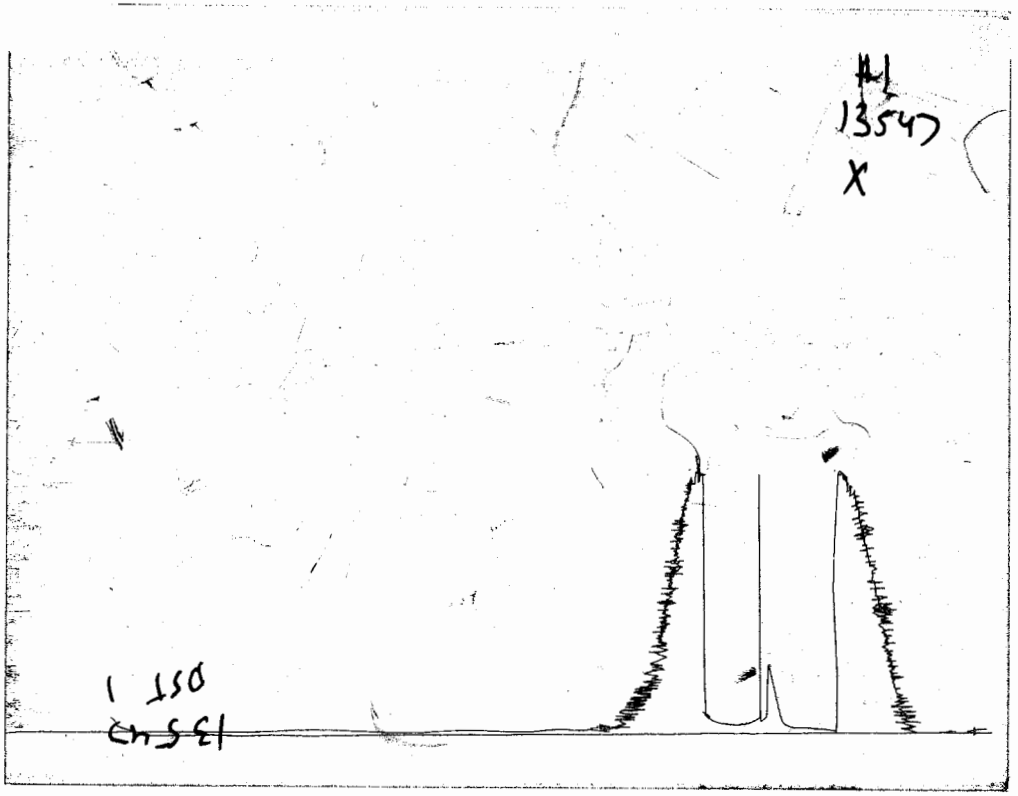
5	Mud - oil specks in tool

Gas Volume Report

Recorder #:	13547		Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:		Time:(min)		PSIG	size	
Initial Hydro-static:	1423					
Open to Flow (1):	18	30				
Shut-in (1):	30	20				
End Shut-in (1):	380					
Open to Flow (2):	52	20				
Shut-in (2):	52	30				
End Shut-in (2);	101					
Final Hydro-static:	1416					

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

#5376

№ 16742

Test Ticket

Well Name & No. Lawson #1 Test No. 1 Date 1-29-03

Company Grady Bolding Corp Zone Tested L KC 35' zone

Address Box 486 Ellinwood Ks 67526 Elevation 1805 KB 1800 GL

Co. Rep / Geo. Jim Musgrove Cont. Shields Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 36 Twp. 13s Rge. 12w Co. Russell State Ks

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

Interval Tested 2927 - 2948 Initial Str Wt./Lbs. 46000 Unseated Str Wt./Lbs. 46,000

Anchor Length 21 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 46,000

Top Packer Depth 2922 Tool Weight 2200

Bottom Packer Depth 2927 Hole Size — 7 7/8" ___ Rubber Size — 6 3/4" ___

Total Depth 2948 Wt. Pipe Run 409 Drill Collar Run -0-

Mud Wt. 9.2 LCM ___ Vis. 49 WL 10.0 Drill Pipe Size 4½ XH Ft. Run 2919

Blow Description Weak - died in 20 minutes

FF - no blow - Flushed tool - no blow after surge

Recovery — Total Feet 5 GIP ___ Ft. in ~~DC~~ WP 5 Ft. in DP ___

Rec. 5	Feet Of Mud - oil specks in tool	%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 6000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	1427		PSI	Recorder No.	13547	T-On Location	1100
(B) First Initial Flow Pressure	11		PSI	(depth)	2930	T-Started	1155
(C) First Final Flow Pressure	21		PSI	Recorder No.	11085	T-Open	1319 (5.05)
(D) Initial Shut-In Pressure	381		PSI	(depth)	2945	T-Pulled	1459
(E) Second Initial Flow Pressure	32		PSI	Recorder No.		T-Out	1605
(F) Second Final Flow Pressure	32		PSI	(depth)		T-Off Location	1640
(G) Final Shut-in Pressure	106		PSI	Initial Opening	30	Test X	700
(Q) Final Hydrostatic Mud	1406		PSI	Initial Shut-in	20	Jars	
				Final Flow	20	Safety Joint	
				Final Shut-in	30	Straddle	
						Circ. Sub	
						Sampler	
						Extra Packer	
						Elec. Rec.	
						Mileage	42
						Other	
						TOTAL PRICE $	747

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Approved By Jim Musgrove

Our Representative Tom Simpson