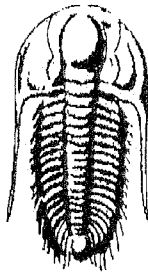


15-195-22222

12-13s-21w



TRILOBITE
TESTING, INC.

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AUG 01 2002

KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co. Inc.**

P.O.Box 372
Hays, KS 67601

ORIGINAL

ATTN: Ron Nelson

12--13s--21w

Newcomer-Kinzey"B"#1-12

Start Date: 2002.05.08 @ 18:31:01

End Date: 2002.05.09 @ 00:05:01

Job Ticket #: 15809 DST #: 1

API #15-195-22222-0000

E2 NW

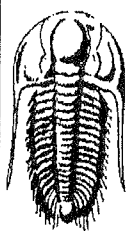
780 FNL 1690 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

ORIGINAL


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing-Nelson Oil Co. Inc.

 P.O.Box 372
Hays, KS 67601

ATTN: Ron Nelson

Newcomer-Kinzey "B" #1-12
12-13s-21w

Job Ticket: 15809

DST#: 1

Test Start: 2002.05.08 @ 18:31:01

GENERAL INFORMATION:

 Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:19:31

Time Test Ended: 00:05:01

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3809.00 ft (KB) To 3865.00 ft (KB) (TVD)

Total Depth: 3865.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2173.00 ft (KB)

2165.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 3017
Inside

Press@RunDepth: 23.61 psig @ 3812.01 ft (KB)

Start Date: 2002.05.08

End Date:

2002.05.09

Start Time: 18:31:02

End Time:

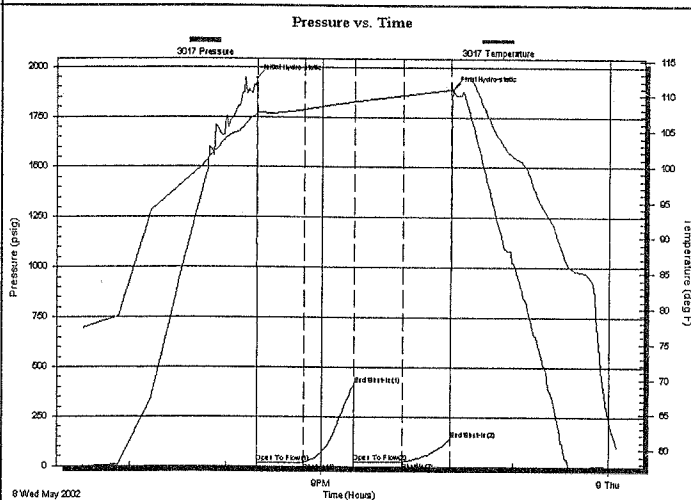
00:05:01

Capacity: 7000.00 psig

Last Calib.: 2002.05.09

Time On Btm: 2002.05.08 @ 20:19:01

Time Off Btm: 2002.05.08 @ 22:21:31

TEST COMMENT: IF-Weak Dead in 20 min.
FF-Dead Flush tool no help.


PRESSURE SUMMARY

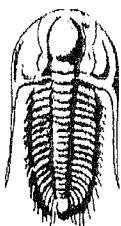
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.52	107.41	Initial Hydro-static
1	17.98	107.53	Open To Flow (1)
30	20.47	108.01	Shut-In (1)
61	415.32	109.19	End Shut-In (1)
62	21.51	109.21	Open To Flow (2)
92	23.61	110.03	Shut-In (2)
122	136.92	110.88	End Shut-In (2)
123	1888.23	110.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud W.Few oil specks	0.21

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co. Inc.

Newcomer-Kinzey"B"#1-12

P.O.Box 372
Hays,KS 67601

12--13s--21w

Job Ticket: 15809

DST#: 1

ATTN: Ron Nelson

Test Start: 2002.05.08 @ 18:31:01

Tool Information

Drill Pipe:	Length: 3804.00 ft	Diameter: 3.80 inches	Volume: 53.36 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 53.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3809.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.02 ft			
Tool Length:	76.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

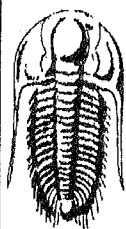
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3790.00		
S.I. Tool	5.00			3795.00		
HMV	5.00			3800.00		
Packer	4.00			3804.00	20.00	Bottom Of Top Packer
Packer	5.00			3809.00		
Stubb	1.00			3810.00		
Perforations	1.00			3811.00		
C.O. Sub	1.00			3812.00		
Recorder	0.01	3017	Inside	3812.01		
Blank Spacing	29.00			3841.01		
C.O. Sub	1.00			3842.01		
Perforations	20.00			3862.01		
Recorder	0.01	13308	Outside	3862.02		
Bullnose	3.00			3865.02	56.02	Bottom Packers & Anchor

Total Tool Length: 76.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co. Inc.

Newcomer-Kinzey"B"#1-12

P.O.Box 372
Hays, KS 67601

12-13s-21w

Job Ticket: 15809

DST#: 1

ATTN: Ron Nelson

Test Start: 2002.05.08 @ 18:31:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud W.Few oil specks	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

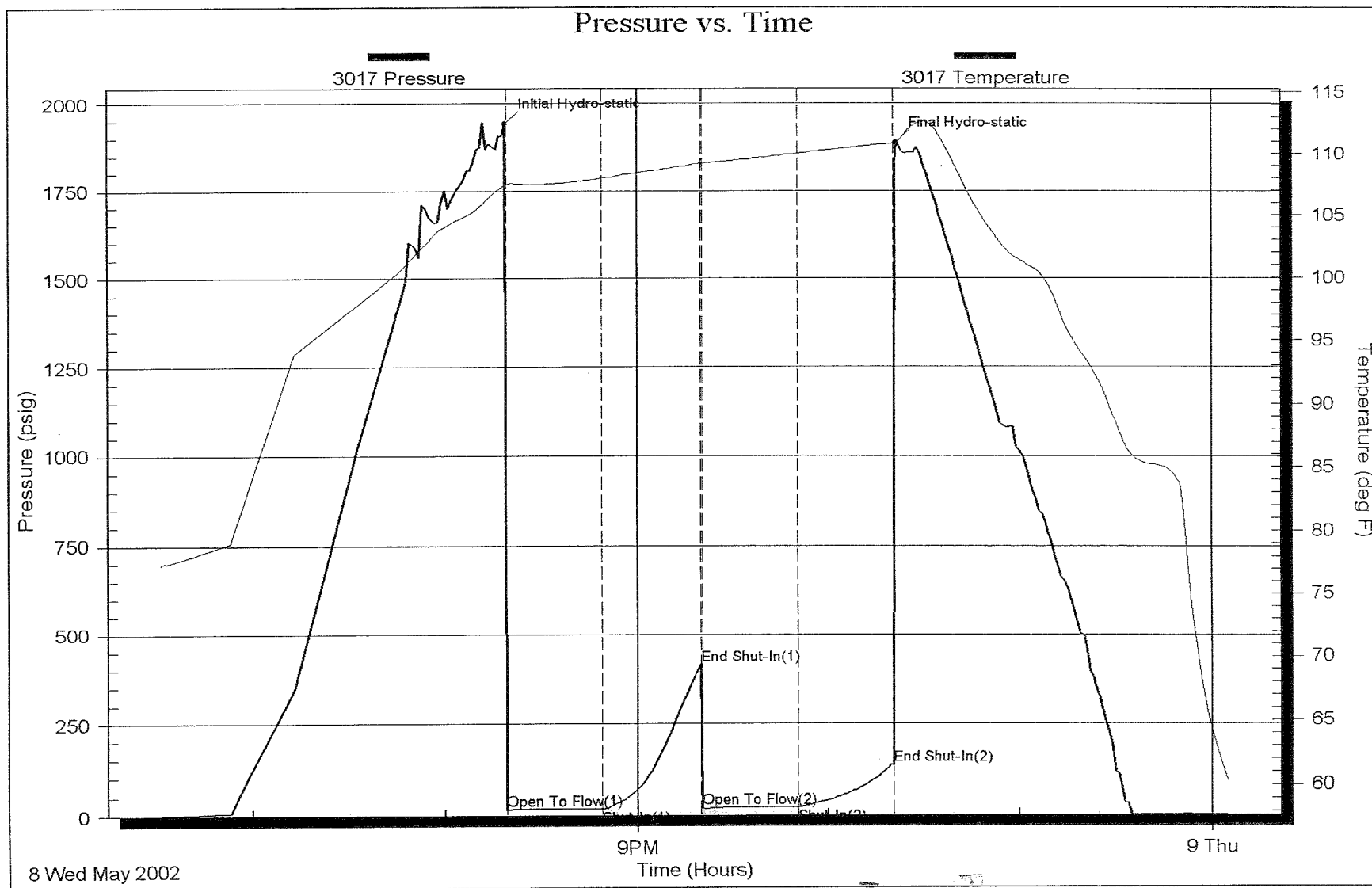
Num Gas Bombs: 0

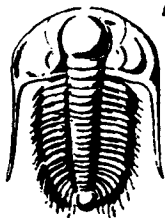
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15809

Test Ticket

Well Name & No. NEWCOMER-KINZEY "B" #1-12 Test No. #1 Date 5-8-02
 Company DOWNING-NELSON OIL CO. INC. Zone Tested ARBUCKLE
 Address P.O. BOX 372 HAYS, KS 67601 Elevation 2173 KB 2165 GL
 Co. Rep / Geo. RON NELSON Cont. DISCOVERY #1 Est. Ft. of Pay Por. %
 Location: Sec. 12 Twp. 13S Rge. 21W Co. TREGO State KS
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3809 To 3865 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 56' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3804 Tool Weight 3,000
 Bottom Packer Depth 3809 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 3865 Wt. Pipe Run — Drill Collar Run —
 Mud Wt. 9.4 LCM TR Vis. 42 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3804
 Blow Description IF-WEAK DEAD IN 20 mins
FF-DEAD FLUSH TOOL NO HELP

Recovery — Total Feet 15 GIP — Ft. in DC — Ft. in DP 15
 Rec. 15' Feet Of MUD @ FEW OIL %gas %oil %water %mud
 Rec. Feet Of SPECKS %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 110 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1942	PSI	Recorder No. 3017	T-On Location 17:30
(B) First Initial Flow Pressure			17	PSI	(depth) 3812	T-Started 18:30
(C) First Final Flow Pressure			20	PSI	Recorder No. 13308	T-Open 20:19
(D) Initial Shut-In Pressure			415	PSI	(depth) 3862	T-Pulled 22:19
(E) Second Initial Flow Pressure			21	PSI	Recorder No. <u> </u>	T-Out 00:05
(F) Second Final Flow Pressure			23	PSI	(depth) <u> </u>	T-Off Location 01:00
(G) Final Shut-in Pressure			137	PSI	Initial Opening 30	Test <u>BOTTOM HOLE</u> 700
(Q) Final Hydrostatic Mud			1888	PSI	Initial Shut-in 30	Jars <u> </u>
					Final Flow 30	Safety Joint <u> </u>
					Final Shut-in 30	Straddle <u> </u>

TRILOBITE TESTING INC. 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 John F. Schmidt

Elec. Rec. ✓ 150
 Mileage 18
 Other
 TOTAL PRICE \$ 868

CHART PAGE

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

