

DRILL STEM TEST REPORT

Prepared For: **K & B Norton Oil Investments LLC**

510 W 36th St
Hays KS 67601

ATTN: Ken Norton

7 13 14 Russell KS

Hilger # 2

Start Date: 2006.04.25 @ 19:05:15

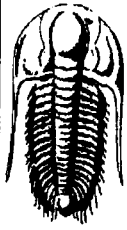
End Date: 2006.04.26 @ 00:39:45

Job Ticket #: 23059 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

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Hilger # 2

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Job Ticket: 23059

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Test Start: 2006.04.25 @ 19:05:15

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:00:00

Time Test Ended: 00:39:45

Test Type: Inflate Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3216.00 ft (KB) To 3250.00 ft (KB) (TVD)**

Reference Elevations: 1795.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1790.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 214.53 psig @ 3217.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.04.25

End Date: 2006.04.26

Last Calib.: 2006.04.26

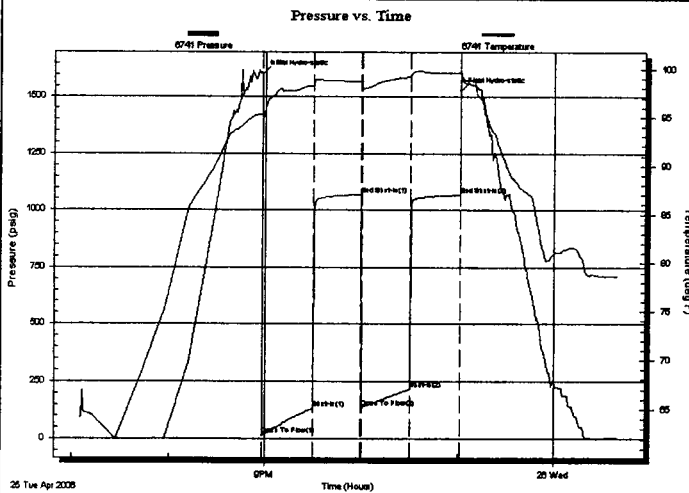
Start Time: 19:05:17

End Time: 00:39:45

Time On Btm: 2006.04.25 @ 20:57:45

Time Off Btm: 2006.04.25 @ 23:01:45

TEST COMMENT: F Strong B B in 10"
FF Weak building to 10 in
Times 30 30 30 30



PRESSURE SUMMARY

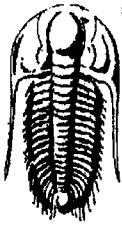
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.23	95.29	Initial Hydro-static
1	16.88	94.91	Open To Flow (1)
33	131.09	98.31	Shut-In(1)
62	1068.62	98.76	End Shut-In(1)
63	135.86	98.15	Open To Flow (2)
93	214.53	99.22	Shut-In(2)
124	1067.20	99.64	End Shut-In(2)
124	1527.98	99.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW Rw .13 @ 76 =30000ppm	1.68
240.00	HMCO 60%O 40%M	3.37
100.00	CO	1.40

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

K & B Norton Oil Investments LLC

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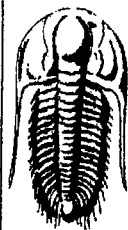
Test Start: 2006.04.25 @ 19:05:15

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 45.17 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3216.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3196.00	
Shut In Tool	5.00			3201.00	
Hydraulic tool	5.00			3206.00	
Packer	5.00			3211.00	21.00 Bottom Of Top Packer
Packer	5.00			3216.00	
Stubb	1.00			3217.00	
Recorder	0.00	6741	Inside	3217.00	
Perforations	30.00			3247.00	
Recorder	0.00	13254	Outside	3247.00	
Bullnose	3.00			3250.00	34.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



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FLUID SUMMARY

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Hilger # 2

510 W 36th St.
Hays KS 67601

7 13 14 Russell KS

Job Ticket: 23059

DST#: 1

ATTN: Ken Norton

Test Start: 2006.04.25 @ 19:05:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 24 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 30000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW Rv .13 @ 76 =30000ppm	1.683
240.00	HMCO 60%O 40%M	3.367
100.00	CO	1.403

Total Length: 460.00 ft Total Volume: 6.453 bbl

Num Fluid Samples: 0

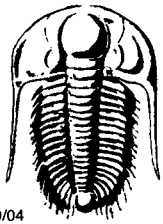
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8691

No 23059

Test Ticket

Well Name & No. Hilger #2 Test No. 1 Date 4-25-06
 Company K & B Norton Oil & Investments LLC Zone Tested Arbuckle
 Address 510 W. 36th St. Hays, KS 67601 Elevation 1795 KB 1790 GL
 Co. Rep / Geo. Brad Hutchison Cont. Vonfeldt Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 7 Twp. 13 Rge. 14 Co. Russell State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3216 — 3250 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 34 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 59,000
 Top Packer Depth _____ Tool Weight 2000
 Bottom Packer Depth 3216 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3250 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.2 LCM 1/4" Vis. 5-2 WL 10.4 Drill Pipe Size 4.5 x 14 Ft. Run 3220
 Blow Description I.F. Strong B-B in 10 min.

E.F. Weak - building to 10"

Recovery - Total Feet 460 GIP _____ Ft. in DC _____ Ft. in DP 460
 Rec. 100 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 240 Feet of HMC0 %gas 60 %oil _____ %water 40 %mud _____
 Rec. 120 Feet of mdy WTR %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 99 °F Gravity _____ °API D @ _____ °F Corrected Gravity 24 °API
 RW .13 @ 76 °F Chlorides 3000 ppm Recovery _____ Chlorides 3000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1607</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>16</u> PSI	(depth) <u>3217</u>	Jars _____
(C) First Final Flow Pressure		<u>131</u> PSI	Recorder No. <u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1068</u> PSI	(depth) <u>3247</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>135</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>214</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1067</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1603</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage <u>58</u> <u>72.50</u>
			T-On Location <u>18:00</u>	Sub Total: <u>1512.50</u>
			T-Started <u>19:05</u>	Std. By _____
			T-Open <u>21:00</u>	Other _____
			T-Pulled <u>23:00</u>	Total: _____
			T-Out <u>00:39</u>	

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Approved By _____
 Our Representative Dan Bangle

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

