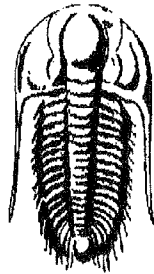


15-065-23277

11-10s-2lw

KCS ✓



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

Box 352
Russell KS 67665

ATTN: J O Farmer

11 10 21 Graham KS

DeYoung # 2 'A'

Start Date: 2007.02.03 @ 18:00:12

End Date: 2007.02.04 @ 00:52:42

Job Ticket #: 27555 DST #: 1

KCC
MAY 21 2007
CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

DeYoung # 2

11 10 21 Graham KS

DST # 1

Arbuckle

2007.02.03



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

DeYoung # 2

Box 352
Russell KS 67665

11 10 21 Graham KS

ATTN: J O Farmer

Job Ticket: 27555

DST#: 1

Test Start: 2007.02.03 @ 18:00:12

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:49:02

Time Test Ended: 00:52:42

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3815.00 ft (KB) To 3830.00 ft (KB) (TVD)**

Total Depth: 3830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2273.00 ft (KB)

2268.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6741** Inside

Press@RunDepth: 470.42 psig @ 3816.00 ft (KB)

Start Date: 2007.02.03

End Date:

2007.02.04

Start Time: 18:00:14

End Time:

00:52:42

Capacity: 7000.00 psig

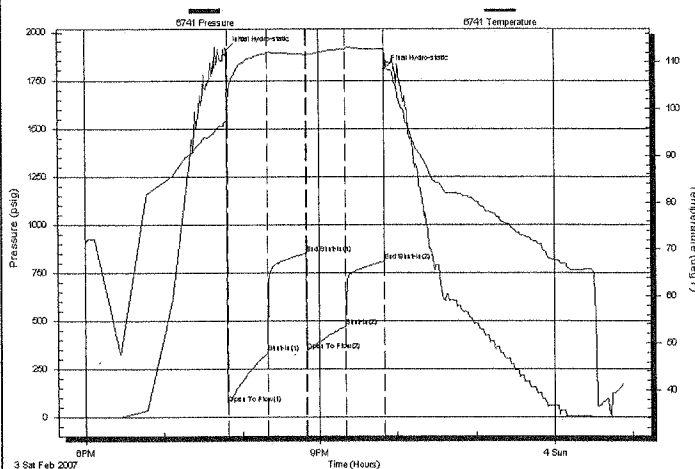
Last Calib.: 2007.02.04

Time On Btm: 2007.02.03 @ 19:48:42

Time Off Btm: 2007.02.03 @ 21:50:42

TEST COMMENT: IF Strong B-B in 1 1/2 min
ISI Weak steady 1/2 " blow
FF Strong B-B in 4 min
FSI Weak steady 1/2 " blow

Pressure vs. Time



PRESSURE SUMMARY

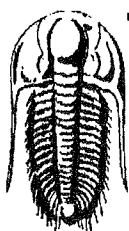
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.62	97.38	Initial Hydro-static
1	68.40	98.17	Open To Flow (1)
32	333.58	111.84	Shut-In (1)
62	851.43	111.57	End Shut-In (1)
63	346.69	111.50	Open To Flow (2)
92	470.42	112.78	Shut-In (2)
122	808.79	112.66	End Shut-In (2)
122	1807.43	112.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Wtr	0.66
62.00	OCWtr 40%O 60%W	0.87
995.00	CGsyO 20%G 80%O	13.96
0.00	240 GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

DeYoung # 2

Box 352
Russell KS 67665

11 10 21 Graham KS

Job Ticket: 27555

DST#: 1

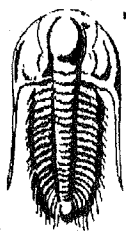
ATTN: J O Farmer

Test Start: 2007.02.03 @ 18:00:12

Tool Information

Drill Pipe:	Length: 3687.00 ft	Diameter: 3.80 inches	Volume: 51.72 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:	20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	52.31 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3815.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	36.00 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			3795.00	
Shut In Tool	5.00			3800.00	
Hydraulic tool	5.00			3805.00	
Packer	5.00			3810.00	21.00 Bottom Of Top Packer
Packer	5.00			3815.00	
Stubb	1.00			3816.00	
Recorder	0.00	6741	Inside	3816.00	
Perforations	11.00			3827.00	
Recorder	0.00	13254	Outside	3827.00	
Bullnose	3.00			3830.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

DeYoung # 2

Box 352
Russell KS 67665

11 10 21 Graham KS

Job Ticket: 27555

DST#: 1

ATTN: J O Farmer

Test Start: 2007.02.03 @ 18:00:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Wtr	0.655
62.00	OCWtr 40%O 60%W	0.870
995.00	CGsyO 20%G 80%O	13.957
0.00	240 GIP	0.000

Total Length: 1181.00 ft

Total Volume: 15.482 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .24 @ 78 = 26000ppm

Pressure vs. Time

