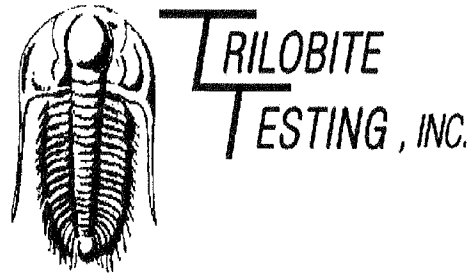


15-167-23548

4-11s-13w

IND



DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS 67665

ATTN: Steve Murphy

4 11s 13w Russell KS

Brown #1

Start Date: 2008.11.24 @ 17:50:35

End Date: 2008.11.25 @ 00:48:35

Job Ticket #: 34713 DST #: 1

KCC
JAN 23 2009
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

John O Farmer

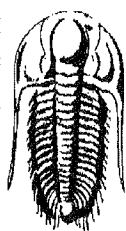
Brown #1

4 11s 13w Russell KS

DST # 1

LKC "C"

2008.11.24



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

Brown #1

PO Box 352
Russell, KS 67665

4 11s 13w Russell KS

ATTN: Steve Murphy

Job Ticket: 34713

DST#: 1

Test Start: 2008.11.24 @ 17:50:35

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:19:05

Time Test Ended: 00:48:35

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **2984.00 ft (KB) To 3000.00 ft (KB) (TVD)**

Total Depth: 3000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1683.00 ft (KB)

1678.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669 Inside

Press@RunDepth: 30.42 psig @ 2992.00 ft (KB)

Start Date: 2008.11.24

End Date:

2008.11.25

Start Time: 17:50:36

End Time:

00:48:35

Capacity: 7000.00 psig

Last Calib.: 2008.11.25

Time On Btm: 2008.11.24 @ 20:18:50

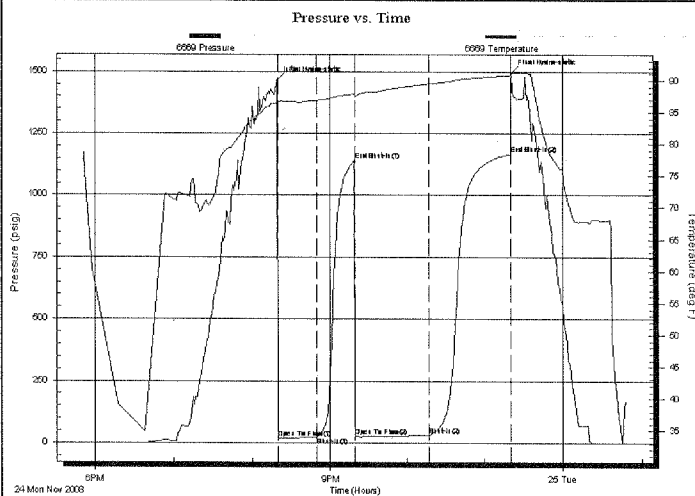
Time Off Btm: 2008.11.24 @ 23:21:05

TEST COMMENT: IFP-Weak surface blow built to 1" died to 3/4"

ISI-no blow back

FFP-Weak surface blow back throughout

FSI-no blow back



PRESSURE SUMMARY

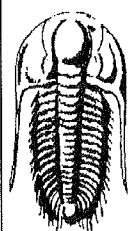
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1463.53	86.87	Initial Hydro-static
1	17.35	86.53	Open To Flow (1)
31	23.80	86.87	Shut-In(1)
61	1141.05	87.86	End Shut-In(1)
61	26.36	87.49	Open To Flow (2)
119	30.42	89.49	Shut-In(2)
182	1167.56	90.83	End Shut-In(2)
183	1495.57	91.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WMw scum of oil 10%W,90%M	0.15

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

Brown #1

PO Box 352
Russell, KS 67665

4 11s 13w Russell KS

Job Ticket: 34713

DST#: 1

ATTN: Steve Murphy

Test Start: 2008.11.24 @ 17:50:35

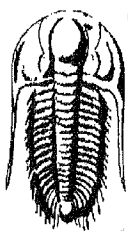
Tool Information

Drill Pipe:	Length: 2861.00 ft	Diameter: 3.82 inches	Volume: 40.56 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	41.17 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	2984.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	44.00 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			2962.00	
Shut In Tool	5.00			2967.00	
Hydraulic tool	5.00			2972.00	
Jars	5.00			2977.00	
Safety Joint	2.00			2979.00	
Packer	5.00			2984.00	23.00 Bottom Of Top Packer
Packer - Shale	5.00			2989.00	
Stubb	1.00			2990.00	
Perforations	2.00			2992.00	
Recorder	0.00	6669	Inside	2992.00	
Recorder	0.00	6672	Inside	2992.00	
Perforations	10.00			3002.00	
Bullnose	3.00			3005.00	21.00 Anchor Tool

Total Tool Length: 44.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Brown #1

PO Box 352
Russell, KS 67665

4 11s 13w Russell KS

ATTN: Steve Murphy

Job Ticket: 34713

DST#: 1

Test Start: 2008.11.24 @ 17:50:35

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WM w scum of oil 10%W,90%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6669

Inside

John O Farmer

4 11s 13w Russell KS

DST Test Number: 1

Pressure vs. Time

