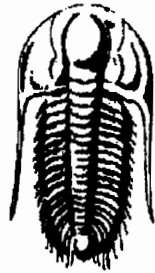


15-167-23584

35-12_s-15_w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Brad H

35 32-12-15 Russell KS

SV #1

Start Date: 2009.07.25 @ 14:47:22

End Date: 2009.07.25 @ 19:03:22

Job Ticket #: 35526 DST #: 1

RECEIVED
SEP 15 2009
KCC WICHITA

John O Farmer

SV #1

35 32-12-15 Russell KS

DST # 1

Arb

2009.07.25

Section is 35, not 32 as printed

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer
PO Box 352
Russell KS 67665
ATTN: Brad H

SV #1

32-12-15 Russell KS

Job Ticket: 35526

DST#: 1

Test Start: 2009.07.25 @ 14:47:22

GENERAL INFORMATION:

Formation: **Arb**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 16:26:22
Time Test Ended: 19:03:22

Test Type: **Conventional Straddle**
Tester: **Kyle Kinderknecht**
Unit No: **47**

Interval: **3218.00 ft (KB) To 3260.00 ft (KB) (TVD)**
Total Depth: **3310.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1797.00 ft (KB)**
1789.00 ft (CF)
KB to GR/CF: **8.00 ft**

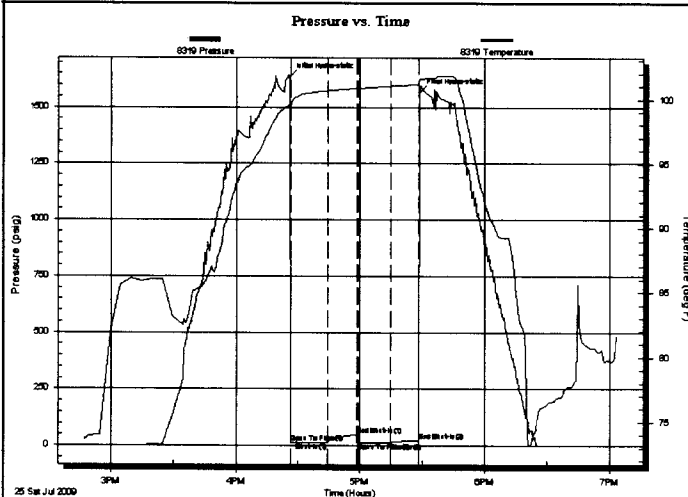
Serial #: 8319

Inside

Press@RunDepth: **14.94 psig @ 3222.00 ft (KB)**
Start Date: **2009.07.25** End Date: **2009.07.25**
Start Time: **14:47:27** End Time: **19:03:22**

Capacity: **7000.00 psig**
Last Calib.: **2009.07.25**
Time On Btm: **2009.07.25 @ 16:25:52**
Time Off Btm: **2009.07.25 @ 17:28:52**

TEST COMMENT: IF Weak died 6 min
FF No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1634.39	99.66	Initial Hydro-static
1	14.25	99.54	Open To Flow (1)
19	14.44	100.68	Shut-In(1)
33	48.55	100.88	End Shut-In(1)
33	14.84	100.86	Open To Flow(2)
49	14.94	101.04	Shut-In(2)
63	22.38	101.17	End Shut-In(2)
63	1568.22	101.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

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

SV #1

PO Box 352
Russell KS 67665

32-12-15 Russell KS

Job Ticket: 35526

DST#: 1

ATTN: Brad H

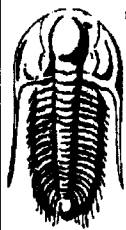
Test Start: 2009.07.25 @ 14:47:22

Tool Information

Drill Pipe:	Length: 3216.00 ft	Diameter: 3.82 inches	Volume: 45.59 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:	47000.00 lb
		Total Volume:	45.59 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3218.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	3260.00 ft				
Interval between Packers:	42.00 ft				
Tool Length:	119.00 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			3192.00	
Shut In Tool	5.00			3197.00	
Hydraulic tool	5.00			3202.00	
Jars	4.00			3206.00	
Safety Joint	3.00			3209.00	
Packer	4.00			3213.00	27.00 Bottom Of Top Packer
Packer	5.00			3218.00	
Stubb	1.00			3219.00	
Perforations	2.00			3221.00	
Change Over Sub	1.00			3222.00	
Recorder	0.00	8319	Inside	3222.00	
Blank Spacing	32.00			3254.00	
Change Over Sub	1.00			3255.00	
Perforations	1.00			3256.00	
Recorder	0.00	13308	Inside	3256.00	
Blank Off Sub	1.00			3257.00	
Blank Spacing	3.00			3260.00	42.00 Tool Interval
Packer	0.00			3260.00	
Stubb	1.00			3261.00	
Recorder	0.00	8369	Below	3261.00	
Perforations	2.00			3263.00	
Change Over Sub	1.00			3264.00	
Blank Spacing	32.00			3296.00	
Change Over Sub	1.00			3297.00	
Perforations	10.00			3307.00	
Bullnose	3.00			3310.00	50.00 Bottom Packers & Anchor
Total Tool Length:		119.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

SV #1

PO Box 352
Russell KS 67665

32-12-15 Russell KS

Job Ticket: 35526

DST#: 1

ATTN: Brad H

Test Start: 2009.07.25 @ 14:47:22

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.071

Total Length: 5.00 ft

Total Volume: 0.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

