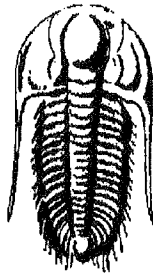


15-167-23487

27-13s-13w

NO



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

27 13 13W Russell KS

Reinhardt D #1

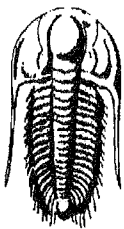
Start Date: 2008.02.27 @ 09:38:30

End Date: 2008.02.27 @ 14:41:30

Job Ticket #: 31518 DST #: 1

CONFIDENTIAL
MAR 17 2008
KCC

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 Inc

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

Reinhardt D #1

27 13 13W Russell KS

Job Ticket: 31518

DST#: 1

Test Start: 2008.02.27 @ 09:38:30

GENERAL INFORMATION:

Formation: **LKC "B-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:27:00

Time Test Ended: 14:41:30

Interval: **2996.00 ft (KB) To 3040.00 ft (KB) (TVD)**

Total Depth: 3040.00 ft (KB) (TVD)

Hole Diameter: 7.66 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Reference Elevations: 1819.00 ft (KB)

1814.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 34.07 psig @ 3003.00 ft (KB)

Start Date: 2008.02.27

End Date:

2008.02.27

Start Time: 09:38:31

End Time:

14:41:30

Capacity: 7000.00 psig

Last Calib.: 2008.02.27

Time On Btm: 2008.02.27 @ 11:26:30

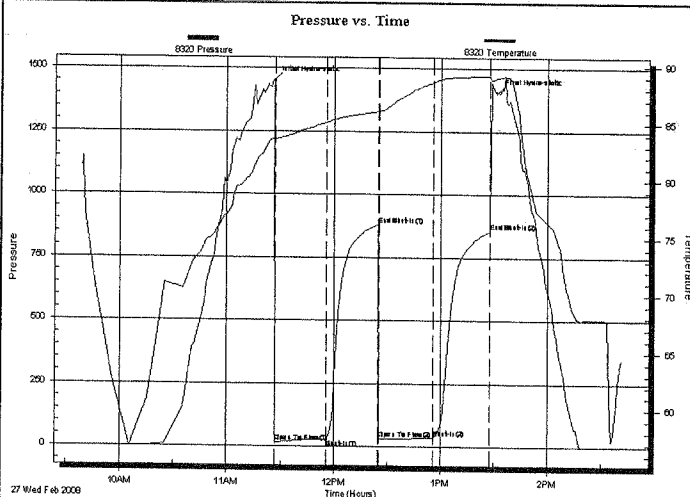
Time Off Btm: 2008.02.27 @ 13:32:00

TEST COMMENT: IFP Weak surface blow built to 1"

ISI No blow back

FFP Weak surface blow built to 3/4"

FSI No blow back



PRESSURE SUMMARY

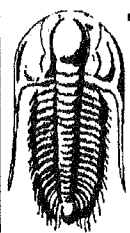
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1451.40	83.71	Initial Hydro-static
1	14.33	83.58	Open To Flow (1)
29	28.46	85.08	Shut-In(1)
58	879.68	86.05	End Shut-In(1)
59	29.77	86.00	Open To Flow (2)
90	34.07	88.61	Shut-In(2)
122	854.47	89.19	End Shut-In(2)
126	1404.04	88.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mw/scum O	0.29

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Reinhardt D #1

PO Box 352
Russell KS 67665

27 13 13W Russell KS

Job Ticket: 31518

DST#: 1

ATTN: Brad Hutchison

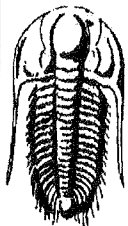
Test Start: 2008.02.27 @ 09:38:30

Tool Information

Drill Pipe:	Length: 2976.00 ft	Diameter: 3.82 inches	Volume: 42.19 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 42.34 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	2996.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 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			2976.00	
Shut In Tool	5.00			2981.00	
Hydraulic tool	5.00			2986.00	
Packer	5.00			2991.00	21.00 Bottom Of Top Packer
Packer	5.00			2996.00	
Stubb	1.00			2997.00	
Perforations	5.00			3002.00	
Change Over Sub	1.00			3003.00	
Recorder	0.00	8320	Inside	3003.00	
Recorder	0.00	8367	Inside	3003.00	
Blank Spacing	31.00			3034.00	
Change Over Sub	1.00			3035.00	
Perforations	2.00			3037.00	
Bullnose	3.00			3040.00	44.00 Bottom Packers & Anchor
Total Tool Length:		65.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Reinhardt D #1

PO Box 352
Russell KS 67665

27 13 13W Russell KS

Job Ticket: 31518

DST#: 1

ATTN: Brad Hutchison

Test Start: 2008.02.27 @ 09:38:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mw/scum O	0.289

Total Length: 40.00 ft

Total Volume: 0.289 bbl

Num Fluid Samples: 0

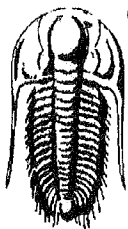
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

John O Farmer Inc

Reinhardt D #1

PO Box 352
Russell KS 67665

27 13 13W Russell KS

Job Ticket: 31518

DST#: 1

ATTN: Brad Hutchison

Test Start: 2008.02.27 @ 09:38:30

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

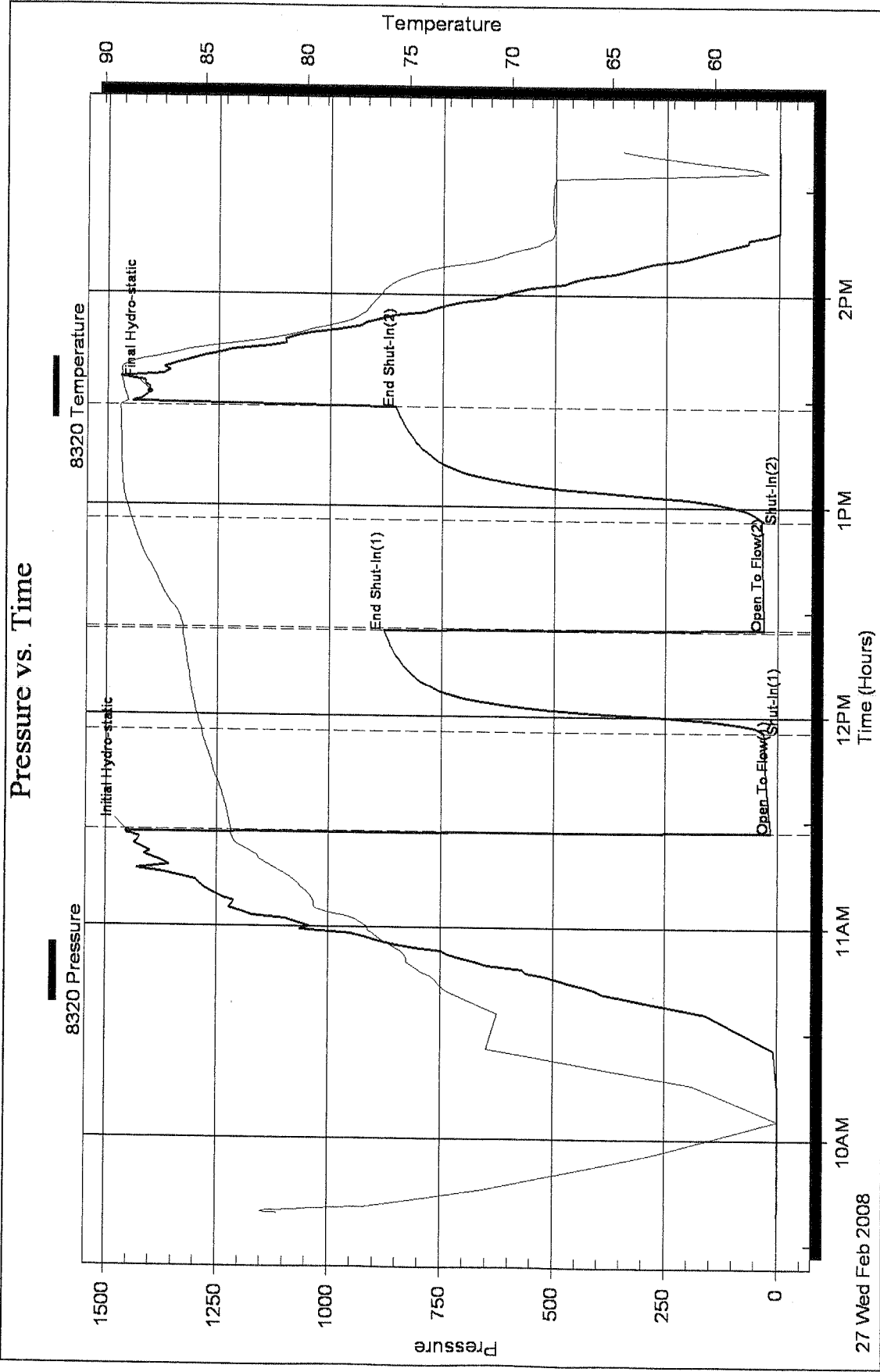
Serial #: 8320

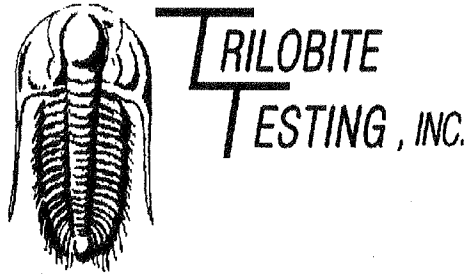
Inside

John O Farmer Inc

27 13 13W Russell KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

27 13 13W Russell KS

Reinhardt D #1

Start Date: 2008.02.27 @ 20:53:52

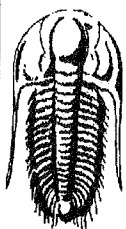
End Date: 2008.02.28 @ 01:26:52

Job Ticket #: 31519 DST #: 2

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 Inc

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

Reinhardt D #1

27 13 13W Russell KS

Job Ticket: 31519

DST#: 2

Test Start: 2008.02.27 @ 20:53:52

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:01:52

Time Test Ended: 01:26:52

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3076.00 ft (KB) To 3100.00 ft (KB) (TVD)**

Total Depth: 3100.00 ft (KB) (TVD)

Hole Diameter: 7.66 inches Hole Condition: Good

Reference Elevations: 1819.00 ft (KB)

1814.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 27.67 psig @ 3082.00 ft (KB)

Start Date: 2008.02.27

End Date:

2008.02.28

Start Time: 20:53:53

End Time:

01:26:52

Capacity: 7000.00 psig

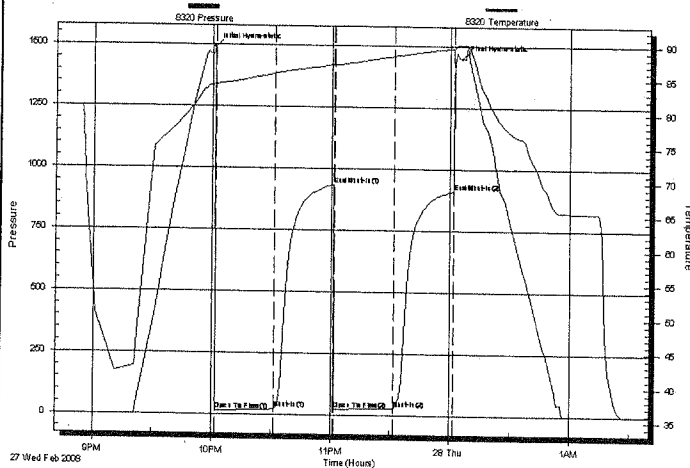
Last Calib.: 2008.02.28

Time On Btm: 2008.02.27 @ 22:01:22

Time Off Btm: 2008.02.28 @ 00:05:52

TEST COMMENT: IFP Weak blow built to 1/2 "
ISI No blow back
FFP Weak surface blow throughout
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

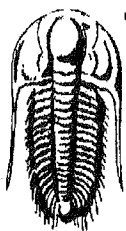
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.34	84.28	Initial Hydro-static
1	13.45	84.08	Open To Flow (1)
30	20.52	85.81	Shut-In(1)
60	933.99	87.16	End Shut-In(1)
61	22.45	86.97	Open To Flow (2)
91	27.67	88.45	Shut-In(2)
121	911.06	89.64	End Shut-In(2)
125	1448.84	90.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

Reinhardt D #1

27 13 13W Russell KS

Job Ticket: 31519

DST#: 2

Test Start: 2008.02.27 @ 20:53:52

Tool Information

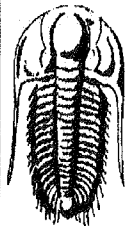
Drill Pipe:	Length: 3039.00 ft	Diameter: 3.82 inches	Volume: 43.08 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 lb
			Total Volume: 43.23 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3076.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	45.00 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			3056.00	
Shut In Tool	5.00			3061.00	
Hydraulic tool	5.00			3066.00	
Packer	5.00			3071.00	21.00 Bottom Of Top Packer
Packer	5.00			3076.00	
Stubb	1.00			3077.00	
Perforations	5.00			3082.00	
Recorder	0.00	8320	Inside	3082.00	
Recorder	0.00	8367	Inside	3082.00	
Perforations	15.00			3097.00	
Bullnose	3.00			3100.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Reinhardt D #1

PO Box 352
Russell KS 67665

27 13 13W Russell KS

Job Ticket: 31519

DST#: 2

ATTN: Brad Hutchison

Test Start: 2008.02.27 @ 20:53:52

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

