

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Brad Hutchison

8 12S 13S Russell KS

Trapp B #2

Start Date: 2007.01.28 @ 04:02:00

End Date: 2007.01.28 @ 09:16:30

Job Ticket #: 27489 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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ATTN: Brad Hutchison

Trapp B #2

8 12S 13S Russell KS

Job Ticket: 27489

DST#: 1

Test Start: 2007.01.28 @ 04:02:00

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:25:20

Time Test Ended: 09:16:30

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **2850.00 ft (KB) To 2900.00 ft (KB) (TVD)**

Total Depth: 2900.00 ft (KB) (TVD)

Hole Diameter: 7.66 inches Hole Condition: Good

Reference Elevations: 1636.00 ft (KB)

1628.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320

Inside

Press@RunDepth: 25.23 psig @ 2859.00 ft (KB)

Start Date: 2007.01.28

End Date:

2007.01.28

Capacity: 7000.00 psig

Last Calib.: 2007.01.28

Start Time: 04:02:02

End Time:

09:16:30

Time On Btm: 2007.01.28 @ 05:25:10

Time Off Btm: 2007.01.28 @ 07:25:40

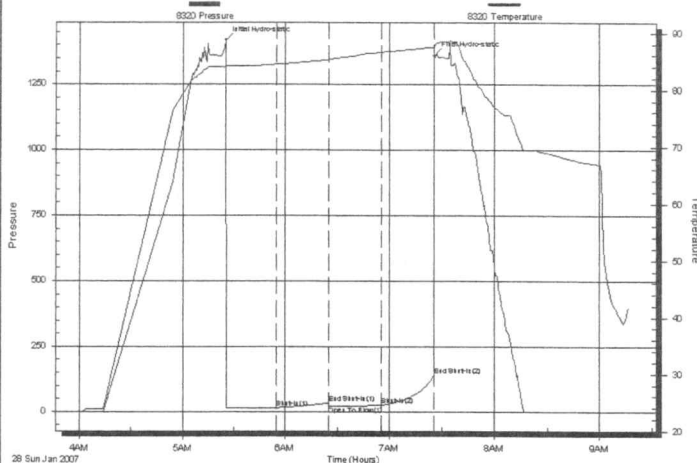
TEST COMMENT: IFP Weak surface blow built to 1.5 "

ISI No blow back

FFP Weak surface blow died in 3 min

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1416.69	84.24	Initial Hydro-static
30	15.53	84.47	Shut-In(1)
60	33.15	85.29	End Shut-In(1)
60	19.86	85.30	Open To Flow (1)
90	25.23	86.60	Shut-In(2)
121	137.60	87.48	End Shut-In(2)
121	1358.95	87.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.50	OCM 20%O 80%M	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
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Trapp B #2

8 12S 13S Russell KS

Job Ticket: 27489

DST#: 1

Test Start: 2007.01.28 @ 04:02:00

Tool Information

Drill Pipe:	Length: 2789.00 ft	Diameter: 3.82 inches	Volume: 39.54 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:	34000.00 lb
			<u>Total Volume: 39.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	2850.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	97.00 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			2804.00	
Shut In Tool	5.00			2809.00	
Telemetry tool	26.00			2835.00	
Hydraulic tool	5.00			2840.00	
Packer	5.00			2845.00	47.00 Bottom Of Top Packer
Packer	5.00			2850.00	
Stubb	1.00			2851.00	
Perforations	7.00			2858.00	
Change Over Sub	1.00			2859.00	
Recorder	0.00	8320	Inside	2859.00	
Blank Spacing	32.00			2891.00	
Change Over Sub	1.00			2892.00	
Perforations	5.00			2897.00	
Recorder	0.00	3351	Inside	2897.00	
Bullnose	3.00			2900.00	50.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Trapp B #2

PO Box 352
Russell KS 67665

8 12S 13S Russell KS

Job Ticket: 27489

DST#: 1

ATTN: Brad Hutchison

Test Start: 2007.01.28 @ 04:02:00

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.50	OCM 20% O 80% M	0.002

Total Length: 0.50 ft

Total Volume: 0.002 bbl

Num Fluid Samples: 0

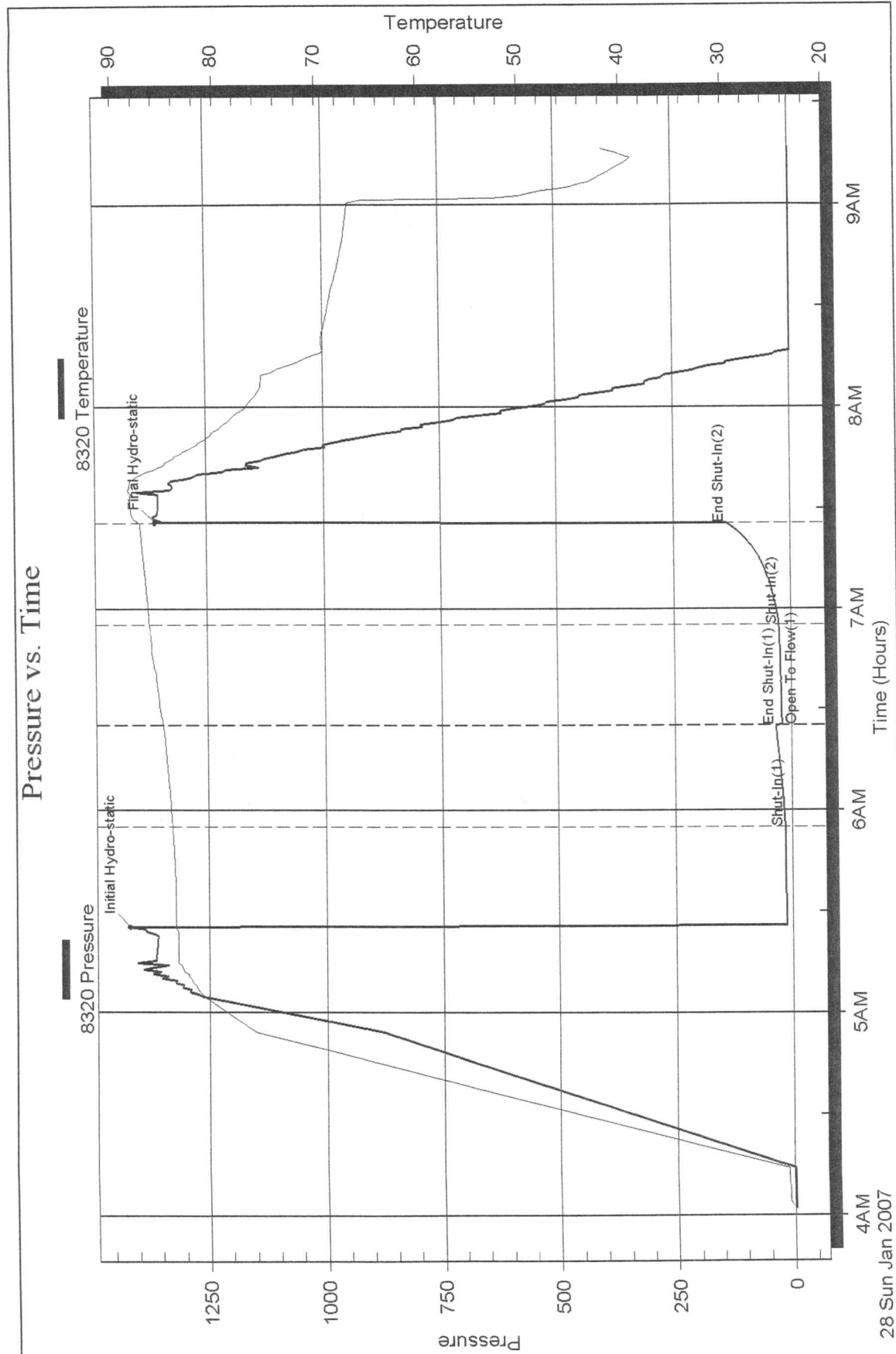
Num Gas Bombs: 0

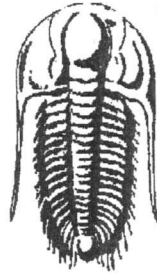
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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Prepared For: **John O Farmer Inc**

PO Box 352
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Trapp B #2

Start Date: 2007.01.28 @ 16:00:34

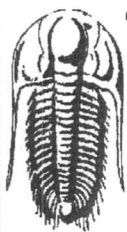
End Date: 2007.01.28 @ 23:56:43

Job Ticket #: 27490 DST #: 2

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Trapp B #2

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Job Ticket: 27490

DST#: 2

Test Start: 2007.01.28 @ 16:00:34

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:11:14

Time Test Ended: 23:56:43

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **2852.00 ft (KB) To 2954.00 ft (KB) (TVD)**

Total Depth: 2954.00 ft (KB) (TVD)

Hole Diameter: 7.66 inches Hole Condition: Good

Reference Elevations: 1636.00 ft (KB)

1628.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320

Inside

Press@RunDepth: 650.04 psig @ 2863.00 ft (KB)

Start Date: 2007.01.28

End Date: 2007.01.28

Capacity: 7000.00 psig

Last Calib.: 2007.01.28

Start Time: 16:00:36

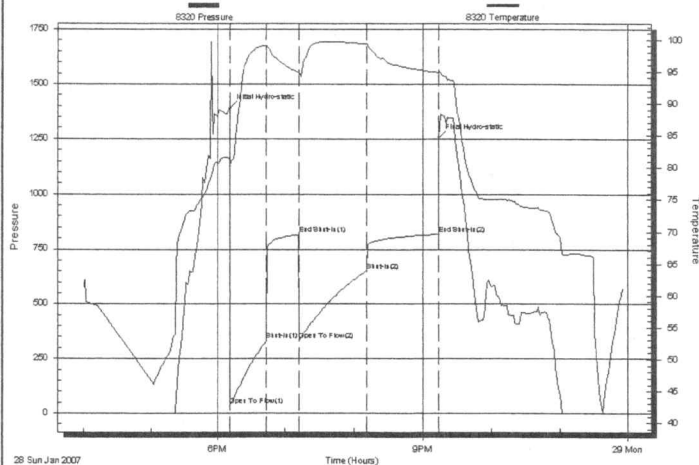
End Time: 23:56:44

Time On Btm: 2007.01.28 @ 18:11:04

Time Off Btm: 2007.01.28 @ 21:13:44

TEST COMMENT: IFP BOB in 4 min
ISI Weak surface blow back died in 13 min
FFP BOB in 3 min
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1388.17	81.06	Initial Hydro-static
1	34.58	80.27	Open To Flow (1)
32	333.37	99.12	Shut-In (1)
61	816.17	94.86	End Shut-In (1)
62	334.79	94.73	Open To Flow (2)
120	650.04	99.31	Shut-In (2)
183	818.18	94.86	End Shut-In (2)
183	1254.81	95.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GWM w/scum of Oil 10%G 10%W 80%M	0.15
120.00	MW 50%W 50%M	1.70
60.00	MW 80%W 20%M	0.85
1020.00	Salt Water	14.46

Gas Rates

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

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Job Ticket: 27490

DST#: 2

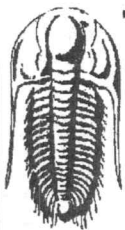
Test Start: 2007.01.28 @ 16:00:34

Tool Information

Drill Pipe:	Length: 2820.00 ft	Diameter: 3.82 inches	Volume: 39.97 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:	50000.00 lb
		Total Volume:	40.12 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	2852.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	102.00 ft				
Tool Length:	123.00 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			2832.00	
Shut In Tool	5.00			2837.00	
Hydraulic tool	5.00			2842.00	
Packer	5.00			2847.00	21.00 Bottom Of Top Packer
Packer	5.00			2852.00	
Stubb	1.00			2853.00	
Perforations	9.00			2862.00	
Change Over Sub	1.00			2863.00	
Recorder	0.00	8320	Inside	2863.00	
Blank Spacing	64.00			2927.00	
Change Over Sub	1.00			2928.00	
Perforations	23.00			2951.00	
Recorder	0.00	3351	Inside	2951.00	
Bullnose	3.00			2954.00	102.00 Bottom Packers & Anchor

Total Tool Length: 123.00



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ATTN: Brad Hutchison

Job Ticket: 27490

DST#: 2

Test Start: 2007.01.28 @ 16:00:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 40.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

15000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GWM w/scum of Oil 10%G 10%W 80%M	0.148
120.00	MW 50%W 50%M	1.701
60.00	MW 80%W 20%M	0.851
1020.00	Salt Water	14.459

Total Length: 1230.00 ft

Total Volume: 17.159 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

