

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Abarta**

1000 Gamma Dr. Ste 400
Pittsburg, Pa.
15238

ATTN: Jim Musgrove

18 15 13 Russell KS

Weeks trust #2

Start Date: 2008.08.31 @ 13:00:54

End Date: 2008.08.31 @ 19:29:18

Job Ticket #: 32463

DST #: 1

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KCC WICHITA

Trilobite Testing, Inc
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DRILL STEM TEST REPORT

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Test Start: 2008.08.31 @ 13:00:54

GENERAL INFORMATION:

Formation: LKC "B - C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:47:49

Time Test Ended: 19:29:18

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3032.00 ft (KB) To 3081.00 ft (KB) (TVD)

Total Depth: 3081.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1839.00 ft (KB)

1832.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8371

Outside

Press@RunDepth: 230.30 psig @ 3036.00 ft (KB)

Start Date: 2008.08.31

End Date:

2008.08.31

Capacity: 7000.00 psig

Last Calib.: 2008.08.31

Start Time: 13:00:54

End Time:

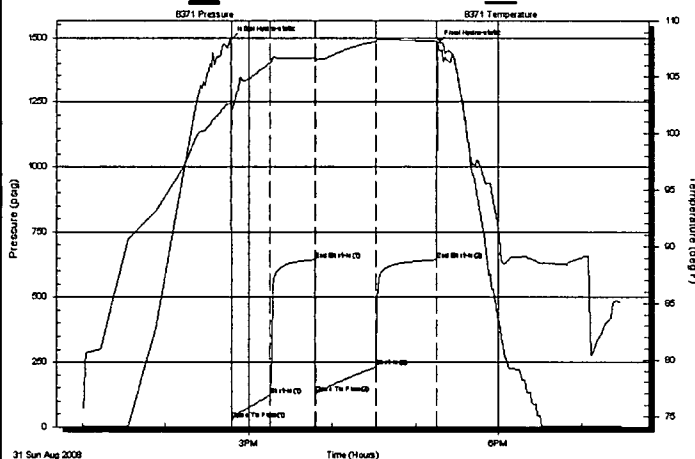
19:29:18

Time On Btm: 2008.08.31 @ 14:47:19

Time Off Btm: 2008.08.31 @ 17:16:19

TEST COMMENT: IFP BOB 7 min
ISI 1" blow back
FFP BOB 11 min
FSI BOB 35 min

Pressure vs. Time



PRESSURE SUMMARY

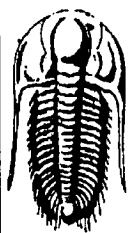
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1492.76	102.66	Initial Hydro-static
1	28.45	102.07	Open To Flow (1)
28	122.29	106.24	Shut-In(1)
60	641.98	106.70	End Shut-In(1)
61	127.13	106.37	Open To Flow (2)
104	230.30	108.16	Shut-In(2)
148	643.87	108.18	End Shut-In(2)
149	1478.60	108.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
215.00	MW 09%W, 10%M	3.02
190.00	GO & WCM 20%G, 10%O, 15%W, 55%M	2.67
75.00	G FREE OIL 10%G, 85%O, 5%M	1.05

Gas Rates

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

Abarta

Weeks trust #2

1000 Gamma Dr. Ste 400
Pittsburg, Pa.
15238
ATTN: Jim Musgrove

18 15 13 Russell KS

Job Ticket: 32463

DST#: 1

Test Start: 2008.08.31 @ 13:00:54

Tool Information

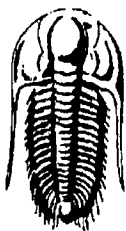
Drill Pipe:	Length: 3034.00 ft	Diameter: 3.80 inches	Volume: 42.56 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 42.56 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3032.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3017.00	
Hydraulic tool	5.00			3022.00	
Packer	5.00			3027.00	20.00 Bottom Of Top Packer
Packer	5.00			3032.00	
Stubb	1.00			3033.00	
Perforations	2.00			3035.00	
Change Over Sub	1.00			3036.00	
Recorder	0.00	8018	Inside	3036.00	
Recorder	0.00	8371	Outside	3036.00	
Blank Spacing	31.00			3067.00	
Change Over Sub	1.00			3068.00	
Perforations	10.00			3078.00	
Bullnose	3.00			3081.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



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FLUID SUMMARY

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1000 Gamma Dr. Ste 400

18 15 13 Russell KS

Pittsburg, Pa.

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DST#: 1

15238

Test Start: 2008.08.31 @ 13:00:54

ATTN: Jim Musgrove

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:

50000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.76 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
215.00	MV 09%W, 10%M	3.016
190.00	GO & WCM 20%G, 10%O, 15%W, 55%M	2.665
75.00	G FREE OIL 10%G, 85%O, 5%M	1.052

Total Length: 480.00 ft

Total Volume: 6.733 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: BHT 40API D @ 80F

RW .107 @ 82F

Serial #: 8371

Outside Abarta

18 15 13 Russell KS

DST Test Number: 1

