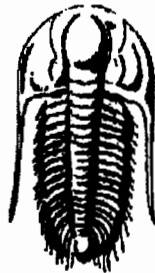


15-009-25457

33-17s-13w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Abarta Oil & Gas Co, Inc**

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238

ATTN: Ken Fleeman

33-17s-13w Barton,KS

Herres #1

Start Date: 2010.08.11 @ 21:25:41

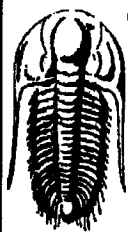
End Date: 2010.08.12 @ 02:46:11

Job Ticket #: 38501 DST #: 1

KCC
OCT 12 2010
CONFIDENTIAL

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

RECEIVED
OCT 13 2010
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Abarta Oil & Gas Co, Inc

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

Herres #1

33-17s-13w Barton, KS

Job Ticket: 38501

DST#: 1

Test Start: 2010.08.11 @ 21:25:41

GENERAL INFORMATION:

Formation: LKC A-E

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:07:11

Time Test Ended: 02:46:11

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3166.00 ft (KB) To 3240.00 ft (KB) (TVD)

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1908.00 ft (KB)

1901.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8321

Inside

Press@RunDepth: 27.31 psig @ 3173.00 ft (KB)

Start Date: 2010.08.11

End Date:

2010.08.12

Start Time: 21:25:42

End Time:

02:46:11

Capacity: 8000.00 psig

Last Calib.: 2010.08.12

Time On Btm: 2010.08.11 @ 23:06:11

Time Off Btm: 2010.08.12 @ 01:11:11

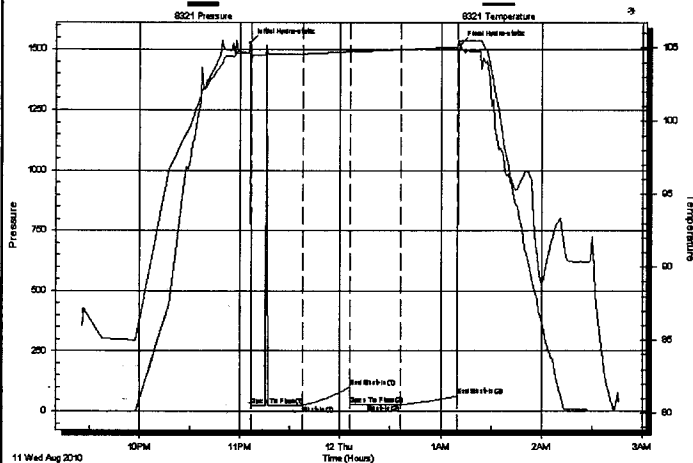
TEST COMMENT: IFP-Weak blow built to 1/8 in died to a weak surface blow

ISI-Dead no blow back

FFP-Dead no blow

FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.38	104.64	Initial Hydro-static
1	23.57	104.35	Open To Flow (1)
32	26.04	104.59	Shut-In(1)
60	101.31	104.75	End Shut-In(1)
61	27.23	104.71	Open To Flow (2)
91	27.31	104.89	Shut-In(2)
124	62.63	105.06	End Shut-In(2)
125	1521.18	105.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	VSOCM2%O98)M	0.43

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abarta Oil & Gas Co, Inc

Herres #1

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

33-17s-13w Barton,KS

Job Ticket: 38501

DST#: 1

Test Start: 2010.08.11 @ 21:25:41

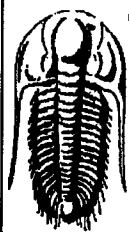
Tool Information

Drill Pipe:	Length: 3177.00 ft	Diameter: 3.80 inches	Volume: 44.56 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			Total Volume: 44.56 bbl	Tool Chased 15.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3166.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	94.00 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			3147.00	
Shut In Tool	5.00			3152.00	
Hydraulic tool	5.00			3157.00	
Packer	4.00			3161.00	20.00 Bottom Of Top Packer
Packer	5.00			3166.00	
Stubb	1.00			3167.00	
Perforations	5.00			3172.00	
Change Over Sub	1.00			3173.00	
Recorder	0.00	8321	Inside	3173.00	
Recorder	0.00	8672	Outside	3173.00	
Drill Pipe	32.00			3205.00	
Change Over Sub	1.00			3206.00	
Perforations	31.00			3237.00	
Bullnose	3.00			3240.00	74.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abarta Oil & Gas Co, Inc

Herres #1

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

33-17s-13w Barton, KS
Job Ticket: 38501 **DST#: 1**
Test Start: 2010.08.11 @ 21:25:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/l

Water Loss: 10.37 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	VSOCM2%O98)M	0.435

Total Length: 31.00 ft Total Volume: 0.435 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

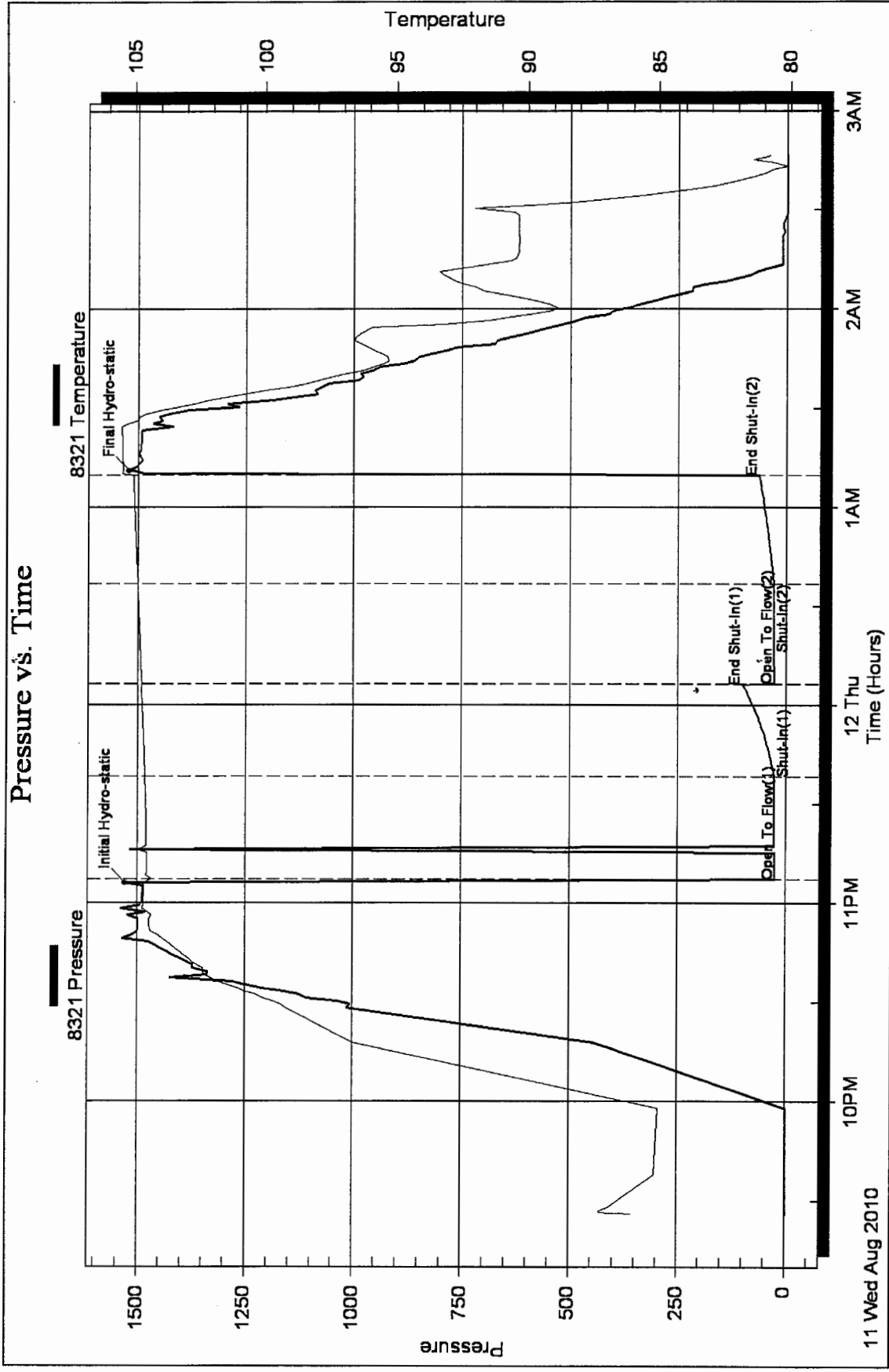
Serial #: 8321

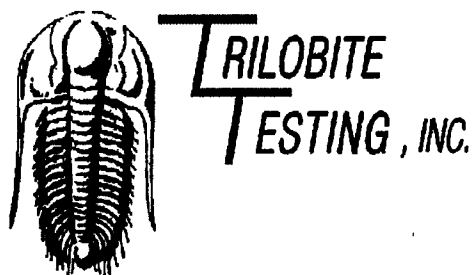
Inside

Abarta Oil & Gas Co, Inc

33-17s-13w Barton, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Abarta Oil & Gas Co, Inc**

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238

ATTN: Ken Fleeman

33-17s-13w Barton,KS

Herres #1

Start Date: 2010.08.12 @ 15:26:50

End Date: 2010.08.12 @ 20:54:20

Job Ticket #: 38502 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

Abarta Oil & Gas Co, Inc

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

Herres #1

33-17s-13w Barton,KS

Job Ticket: 38502

DST#: 2

Test Start: 2010.08.12 @ 15:26:50

GENERAL INFORMATION:

Formation: **LKC H-I-J-K**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 17:15:50

Time Test Ended: 20:54:20

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **44**

Interval: **3293.00 ft (KB) To 3382.00 ft (KB) (TVD)**

Total Depth: **3382.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1908.00 ft (KB)**

1901.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8679 **Outside**

Press@RunDepth: **17.75 psig @ 3300.00 ft (KB)**

Start Date: **2010.08.12**

End Date:

2010.08.12

Capacity: **8000.00 psig**

Last Calib.: **2010.08.12**

Start Time: **15:26:51**

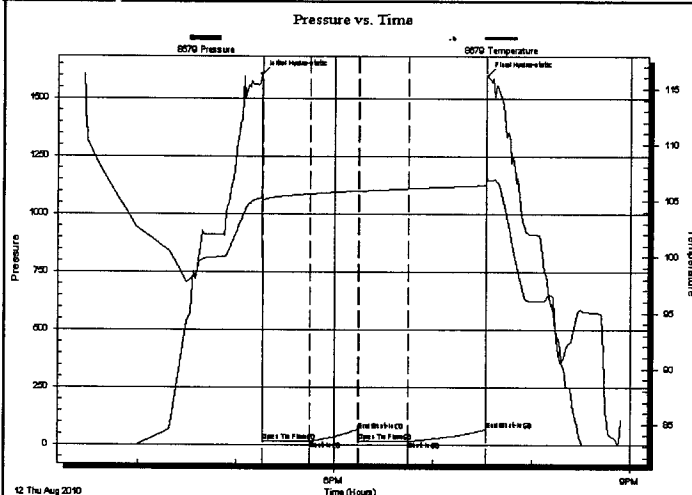
End Time:

20:54:20

Time On Btm: **2010.08.12 @ 17:15:20**

Time Off Btm: **2010.08.12 @ 19:32:50**

TEST COMMENT: IFF-Weak blow built to a 1/4 in die in 24 min
ISI-Dead no blow back
FFP-Dead no blow
Fsi-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.62	105.43	Initial Hydro-static
1	16.44	104.98	Open To Flow (1)
30	17.21	105.62	Shut-In(1)
60	64.44	105.90	End Shut-In(1)
60	17.50	105.88	Open To Flow (2)
90	17.75	106.09	Shut-In(2)
137	67.58	106.39	End Shut-In(2)
138	1600.41	106.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud with a scum of oil	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abarta Oil & Gas Co, Inc

Herres #1

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

33-17s-13w Barton, KS

Job Ticket: 38502

DST#: 2

Test Start: 2010.08.12 @ 15:26:50

Tool Information

Drill Pipe:	Length: 3305.00 ft	Diameter: 3.80 inches	Volume: 46.36 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			Total Volume: 46.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3293.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3274.00	
Shut In Tool	5.00			3279.00	
Hydraulic tool	5.00			3284.00	
Packer	4.00			3288.00	20.00 Bottom Of Top Packer
Packer	5.00			3293.00	
Stubb	1.00			3294.00	
Perforations	5.00			3299.00	
Change Over Sub	1.00			3300.00	
Recorder	0.00	8321	Inside	3300.00	
Recorder	0.00	8679	Outside	3300.00	
Drill Pipe	62.00			3362.00	
Change Over Sub	1.00			3363.00	
Perforations	16.00			3379.00	
Bullnose	3.00			3382.00	89.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abarta Oil & Gas Co, Inc

Herres #1

1000 Gamma Dr
Ste 400
Pittsburgh, Pa 15238
ATTN: Ken Fleeman

33-17s-13w Barton,KS

Job Ticket: 38502

DST#: 2

Test Start: 2010.08.12 @ 15:26:50

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/l

Water Loss: 11.98 in³

Resistivity: ohm.m

Salinity: 4000.00 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
5.00	Mud with a scum of oil	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8679

Outside Abarta Oil & Gas Co, Inc

33-17s-13w Barton, KS

DST Test Number: 2

