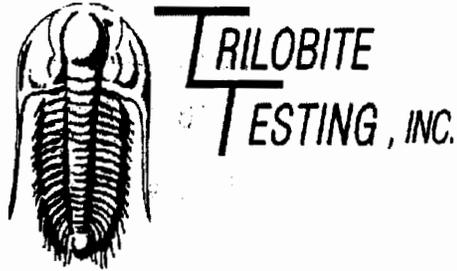


5-17s-8w

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DRILL STEM TEST REPORT

Prepared For: **Kent Operating Company**

5 Burlington Place
Norman, Ok 73072

ATTN: Kent Myers

5-17s-8w

Ashley #1

Start Date: 2002.01.20 @ 16:04:25

End Date: 2002.01.20 @ 23:54:55

Job Ticket #: 15591

DST #: 1

API # 15-053-21109-0000

1830 FSL 710 FEL

SE NE SE

Kent Operating Company

Ashley #1

5-17s-8w

DST # 1

L-Kc.

2002.01.20

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Kent Operating Company

Ashley #1

5 Burlington Place
Norman, Ok 73072

5-17s-8w

Job Ticket: 15591

DST#: 1

ATTN: Kent Myers

Test Start: 2002.01.20 @ 16:04:25

GENERAL INFORMATION:

Formation: **L-Kc.**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **18:14:55**
 Time Test Ended: **23:54:55**

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Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **2744.00 ft (KB) To 2804.00 ft (KB) (TVD)**
 Total Depth: **2804.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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Reference Elevations: **1899.00 ft (KB)**

1890.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 3017

Inside

Press@RunDepth: **57.74 psig @ 2749.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2002.01.20**

End Date:

2002.01.20

Last Calib.: **2002.01.20**

Start Time: **16:04:26**

End Time:

23:54:55

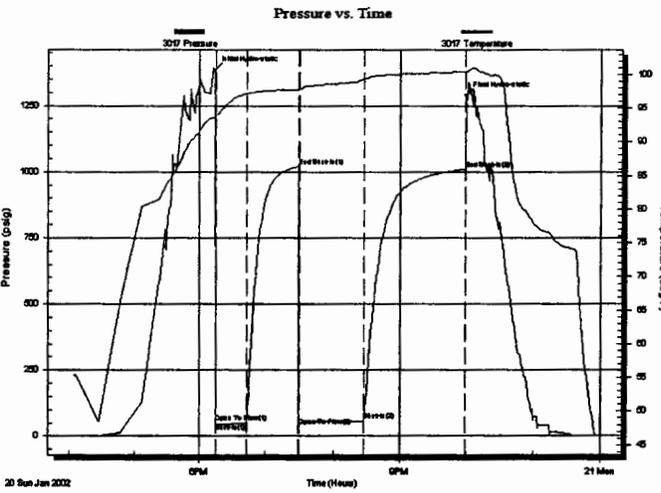
Time On Btm: **2002.01.20 @ 18:13:55**

Time Off Btm: **2002.01.20 @ 21:59:55**

TEST COMMENT: **IF-Strong B.O.B. Instantly G-T-S in 10min.**

FF-Strong B.O.B. Instantly

FSI-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1385.81	93.75	Initial Hydro-static
1	52.16	93.85	Open To Flow (1)
30	48.53	97.18	Shut-in(1)
75	1021.78	97.79	End Shut-in(1)
76	35.86	97.80	Open To Flow (2)
134	57.74	99.39	Shut-in(2)
226	1011.06	100.43	End Shut-in(2)
226	1288.32	100.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Drilling Mud	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	20.00	12.88
Last Gas Rate	0.13	5.00	7.26
Max. Gas Rate	0.13	20.00	12.88



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TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Kent Operating Company

Ashley #1

5 Burlington Place
Norman, Ok 73072

5-17s-8w

Job Ticket: 15591

DST#: 1

ATTN: Kent Myers

Test Start: 2002.01.20 @ 16:04:25

Tool Information

Drill Pipe:	Length: 2480.00 ft	Diameter: 3.80 inches	Volume: 34.79 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 244.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 35.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2744.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.02 ft			
Tool Length:	87.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			2718.00	
S.I. Tool	5.00			2723.00	
HMV	5.00			2728.00	
Jars	5.00			2733.00	
Safety Joint	2.00			2735.00	
Packer	4.00			2739.00	27.00 Bottom Of Top Packer
Packer	5.00			2744.00	
Stubb	1.00			2745.00	
Perforations	3.00			2748.00	
C.O. Sub	1.00			2749.00	
Recorder	0.01	3017	Inside	2749.01	
Blank Spacing	31.00			2780.01	
C.O. Sub	1.00			2781.01	
Perforations	20.00			2801.01	
Recorder	0.01	13308	Outside	2801.02	
Bullnose	3.00			2804.02	60.02 Bottom Packers & Anchor
Total Tool Length:	87.02				

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DRILL STEM TEST REPORT

FLUID SUMMARY

Kent Operating Company

Ashley #1

5 Burlington Place
Norman, Ok 73072

5-17s-8w

Job Ticket: 15591

DST#: 1

ATTN: Kent Myers

Test Start: 2002.01.20 @ 16:04:25

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DRILL STEM TEST REPORT

GAS RATES

Kent Operating Company

Ashley #1

5 Burlington Place
Norman, Ok 73072

5-17s-8w

Job Ticket: 15591

DST#: 1

ATTN: Kent Myers

Test Start: 2002.01.20 @ 16:04:25

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)
1	10	0.13	20.00	12.88
1	10	0.13	20.00	12.88
1	15	0.13	20.00	12.88
1	20	0.13	15.00	11.00
1	25	0.13	15.00	11.00
1	30	0.13	10.00	9.13
2	10	0.13	5.00	7.26

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DST Test Number: 1

5-17s-8w

Kent Operating Company

Inside

Serial #: 3017

