



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Comanche Resources Company

5/33s/8e Cowley KS

6520 Western AVE STE 300
Oklahoma City OK 73116

Massy #5-1

Job Ticket: 47473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.04.10 @ 10:24:14

GENERAL INFORMATION:

Formation: **Pawnee / Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:53:44

Time Test Ended: 19:55:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Taylor

Unit No: 43

Interval: 2122.00 ft (KB) To 2176.00 ft (KB) (TVD)

Reference Elevations: 1055.00 ft (KB)

Total Depth: 2176.00 ft (KB) (TVD)

1046.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 73.65 psig @ 2127.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.10

End Date:

2012.04.10

Last Calib.:

2012.04.10

Start Time: 10:24:19

End Time:

19:55:14

Time On Btm:

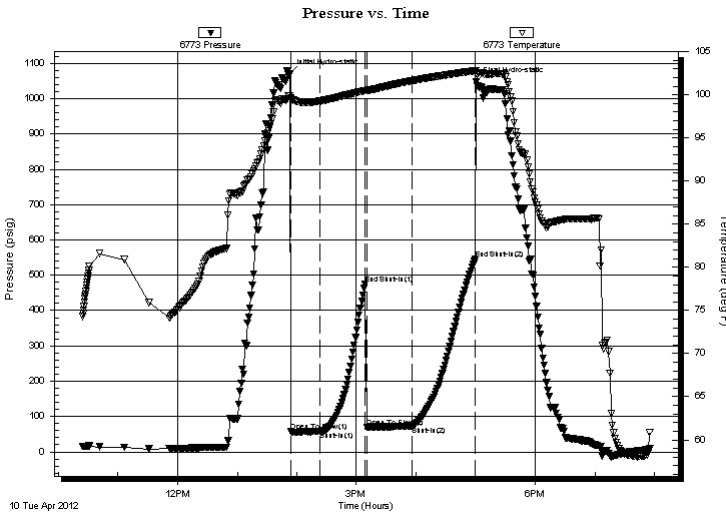
2012.04.10 @ 13:53:14

Time Off Btm:

2012.04.10 @ 17:00:14

TEST COMMENT: I.F. Weak Blow Built To 4" In 30 Min
I.S.I. No Blow
F.F. Weak Blow Building To 6 1/4" In 45 Min
F.S.I. No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1070.56	99.85	Initial Hydro-static
1	58.54	99.63	Open To Flow (1)
30	58.81	99.26	Shut-In(1)
76	475.79	100.48	End Shut-In(1)
78	68.84	100.48	Open To Flow (2)
123	73.65	101.62	Shut-In(2)
187	545.83	102.78	End Shut-In(2)
187	1047.20	102.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
37.00	Oil Spotted Mud	0.18
0.00	203 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Comanche Resources Company

5/33s/8e Cowley KS

6520 Western AVE STE 300
Oklahoma City OK 73116

Massy #5-1

Job Ticket: 47473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.04.10 @ 10:24:14

GENERAL INFORMATION:

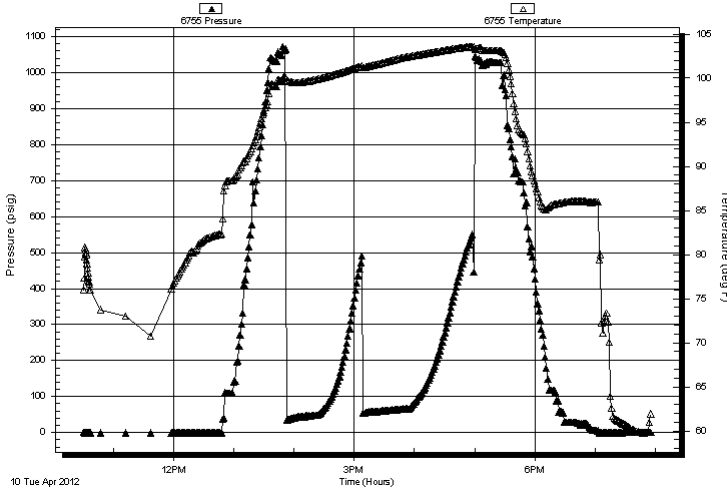
Formation: **Pawnee / Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:53:44
 Time Test Ended: 19:55:14
 Interval: **2122.00 ft (KB) To 2176.00 ft (KB) (TVD)**
 Total Depth: 2176.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Taylor
 Unit No: 43
 Reference Elevations: 1055.00 ft (KB)
 1046.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6755

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.10 End Date: 2012.04.10 Last Calib.: 2012.04.10
 Start Time: 10:30:33 End Time: 19:55:13 Time On Btm:
 Time Off Btm:

TEST COMMENT: I.F. Weak Blow Built To 4" In 30 Min
 I.S.I. No Blow
 F.F. Weak Blow Building To 6 1/4" In 45 Min
 F.S.I. No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
37.00	Oil Spotted Mud	0.18
0.00	203 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Comanche Resources Company

5/33s/8e Cowley KS

6520 Western AVE STE 300
Oklahoma City OK 73116

Massy #5-1

Job Ticket: 47473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.04.10 @ 10:24:14

Tool Information

Drill Pipe:	Length: 1898.00 ft	Diameter: 3.80 inches	Volume: 26.62 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 211.00 ft	Diameter: 2.25 inches	Volume: 1.04 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 27.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	2122.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2094.00	
Shut In Tool	5.00			2099.00	
Hydraulic tool	5.00			2104.00	
Jars	5.00			2109.00	
Safety Joint	3.00			2112.00	
Packer	5.00			2117.00	29.00 Bottom Of Top Packer
Packer	5.00			2122.00	
Stubb	1.00			2123.00	
Perforations	3.00			2126.00	
Change Over Sub	1.00			2127.00	
Recorder	0.00	6773	Outside	2127.00	
Recorder	0.00	6766	Outside	2127.00	
Drill Pipe	31.00			2158.00	
Change Over Sub	1.00			2159.00	
Perforations	14.00			2173.00	
Bullnose	3.00			2176.00	54.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Comanche Resources Company

5/33s/8e Cowley KS

6520 Western AVE STE 300
Oklahoma City OK 73116

Massy #5-1

Job Ticket: 47473

DST#: 1

ATTN: Sean Deenihan

Test Start: 2012.04.10 @ 10:24:14

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
37.00	Oil Spoted Mud	0.182
0.00	203 GIP	0.000

Total Length: 37.00 ft Total Volume: 0.182 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

