



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

D K Operating Inc  
24583 NW 208 Rd  
Jetmore Ks 67584-5311  
ATTN: Jason Alm

**17 21n 22w Hodgeman**  
**Antrim Unit # 1-17**  
Job Ticket: 46525      **DST#: 1**  
Test Start: 2012.06.04 @ 09:40:00

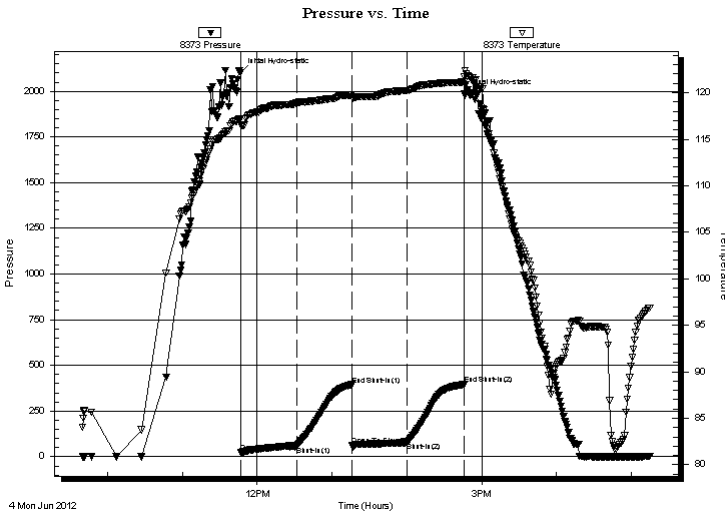
## GENERAL INFORMATION:

Formation: **Ft Scott**  
Deviated: No Whipstock: 2282.00 ft (KB)  
Time Tool Opened: 11:46:45  
Time Test Ended: 17:15:00  
Interval: **4239.00 ft (KB) To 4290.00 ft (KB) (TVD)**  
Total Depth: 4290.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jim Svaty  
Unit No: 60  
Reference Elevations: 2282.00 ft (KB)  
2273.00 ft (CF)  
KB to GR/CF: 9.00 ft

**Serial #: 8373      Inside**  
Press @ Run Depth: 77.48 psig @ 4240.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.06.04      End Date: 2012.06.04      Last Calib.: 2012.06.04  
Start Time: 09:40:05      End Time: 17:14:44      Time On Btm: 2012.06.04 @ 11:46:30  
Time Off Btm: 2012.06.04 @ 14:45:45

**TEST COMMENT:** 45-IFP- BOB in 11min  
45-ISIP- No Blow  
45-FFP- BOB in 30sec  
45-FSIP- Surface Blow Building to 1/2in Died in 5min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.67	117.23	Initial Hydro-static
1	21.97	116.58	Open To Flow (1)
45	59.24	118.88	Shut-In(1)
90	391.81	119.72	End Shut-In(1)
90	61.44	119.52	Open To Flow (2)
134	77.48	120.23	Shut-In(2)
179	394.32	121.13	End Shut-In(2)
180	1986.38	121.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	OSM	0.20
123.00	GOCM 50%g 22%m 23%o	0.97
1260.00	GIP	17.67

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

DK Operating Inc  
24583 NW 208 Rd  
Jetmore Ks 67584-5311  
ATTN: Jason Alm

**17 21n 22w Hodgeman**  
**Antrim Unit # 1-17**  
Job Ticket: 46525      **DST#: 1**  
Test Start: 2012.06.04 @ 09:40:00

## 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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OSM	0.197
123.00	GOCM 50%g 22%m 23%o	0.969
1260.00	GIP	17.674

Total Length: 1423.00 ft      Total Volume: 18.840 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8373

Inside

DK Operating Inc

Antrim Unit # 1-17

DST Test Number: 1

