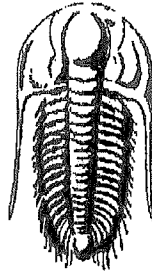


15-167-23636

36-15s-14w

IND



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **ALEO Oil Co**

5907 W. Broadway  
Great Bend, KS 67530

ATTN: Steve Murphy

**36-15s14w Russell KS**

**Deines #1**

Start Date: 2010.06.01 @ 19:17:59

End Date: 2010.06.01 @ 23:54:59

Job Ticket #: 36667                      DST #: 1

ALEO Oil Co

Deines #1

36-15s14w Russell KS

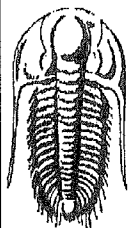
DST # 1

LKC "A-C"

2010.06.01

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

RECEIVED  
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

ALEO Oil Co  
5907 W. Broadway  
Great Bend, KS 67530  
ATTN: Steve Murphy

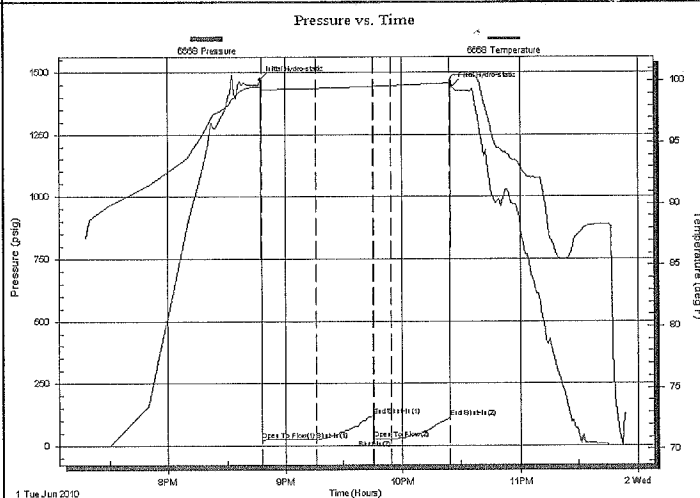
**Deines #1**  
**36-15s14w Russell KS**  
Job Ticket: 36667      **DST#: 1**  
Test Start: 2010.06.01 @ 19:17:59

## GENERAL INFORMATION:

Formation: **LKC "A-C"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:47:59  
Time Test Ended: 23:54:59  
Test Type: Conventional Bottom Hole  
Tester: Tyson Flax  
Unit No: 44  
Interval: **3042.00 ft (KB) To 3080.00 ft (KB) (TVD)**  
Reference Elevations: 1861.00 ft (KB)  
Total Depth: 3080.00 ft (KB) (TVD) 1853.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

**Serial #: 6668 Inside**  
Press@RunDepth: 24.54 psig @ 3047.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2010.06.01 End Date: 2010.06.01 Last Calib.: 2010.06.02  
Start Time: 19:18:00 End Time: 23:54:59 Time On Btm: 2010.06.01 @ 20:46:59  
Time Off Btm: 2010.06.01 @ 22:25:29

**TEST COMMENT:** IFF-Blow surged to 2" died to 1/2"  
ISI-no blow back  
FFP-Weak surface blow died in 4 min  
FSI-no blow back



## PRESSURE SUMMARY

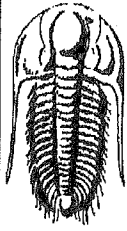
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1469.13	99.51	Initial Hydro-static
1	24.59	99.20	Open To Flow (1)
29	24.15	99.42	Shut-In(1)
59	121.37	99.57	End Shut-In(1)
59	25.77	99.58	Open To Flow (2)
68	24.54	99.63	Shut-In(2)
97	113.00	99.83	End Shut-In(2)
99	1442.09	100.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.28

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

ALEO Oil Co  
5907 W. Broadway  
Great Bend, KS 67530  
ATTN: Steve Murphy

**Deines #1**  
**36-15s14w Russell KS**  
Job Ticket: 36667      **DST#: 1**  
Test Start: 2010.06.01 @ 19:17:59

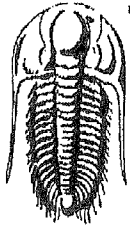
**Tool Information**

Drill Pipe:	Length: 3048.00 ft	Diameter: 3.82 inches	Volume: 43.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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: 60000.00 lb
			<u>Total Volume: 43.21 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3042.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 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			3015.00	
Shut In Tool	5.00			3020.00	
Hydraulic tool	5.00			3025.00	
Jars	5.00			3030.00	
Safety Joint	2.00			3032.00	
Packer	5.00			3037.00	28.00      Bottom Of Top Packer
Packer	5.00			3042.00	
Stubb	1.00			3043.00	
Perforations	3.00			3046.00	
Change Over Sub	1.00			3047.00	
Recorder	0.00	6668	Inside	3047.00	
Recorder	0.00	6669	Inside	3047.00	
Blank Spacing	29.00			3076.00	
Change Over Sub	1.00			3077.00	
Bullnose	3.00			3080.00	38.00      Bottom Packers & Anchor

**Total Tool Length: 66.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

ALEO Oil Co  
5907 W. Broadway  
Great Bend, KS 67530  
ATTN: Steve Murphy

**Deines #1**  
**36-15s14w Russell KS**  
Job Ticket: 36667      **DST#: 1**  
Test Start: 2010.06.01 @ 19:17:59

## 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: 51.00 sec/l	Cushion Volume: bbl		
Water Loss: 7.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.284

Total Length: 20.00 ft      Total Volume: 0.284 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6668

Inside

ALEO Oil Co

36-15s14w Russell KS

DST Test Number: 1

### Pressure vs. Time

