



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil**

PO Box 871
Russell KS 67665

ATTN: Gary Brungardt

15-167-23491-00-00

20 13 12W Russell KS

Holland #1

Start Date: 2008.04.20 @ 08:42:49

End Date: 2008.04.20 @ 14:12:49

Job Ticket #: 31977

DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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Holland #1

20 13 12W Russell KS

Job Ticket: 31977

DST#: 1

Test Start: 2008.04.20 @ 08:42:49

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:28:19

Time Test Ended: 14:12:49

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 42

Interval: **2865.00 ft (KB) To 2882.00 ft (KB) (TVD)**

Total Depth: 2882.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1647.00 ft (KB)

1642.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365 Inside

Press@RunDepth: 13.15 psig @ 2869.00 ft (KB)

Start Date: 2008.04.20

End Date:

2008.04.20

Start Time: 08:42:54

End Time:

14:12:48

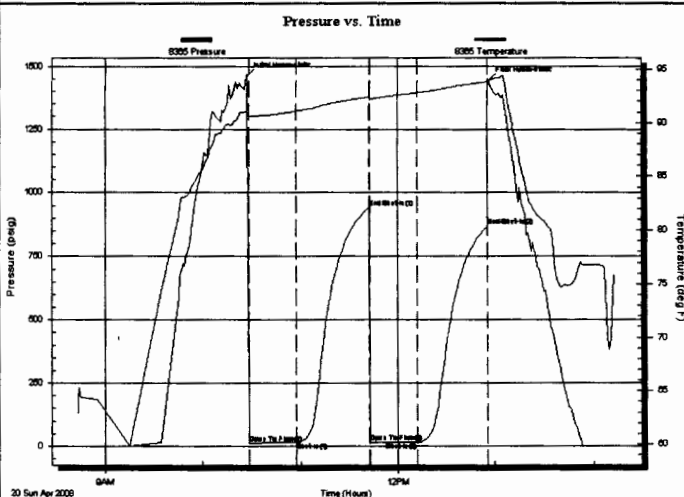
Capacity: 7000.00 psig

Last Calib.: 2008.04.20

Time On Btm: 2008.04.20 @ 10:27:19

Time Off Btm: 2008.04.20 @ 12:56:49

TEST COMMENT: IF Weak surface died 10 min
FF No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1461.72	91.02	Initial Hydro-static
1	11.17	90.58	Open To Flow(1)
30	13.62	91.06	Shut-In(1)
75	943.28	92.42	End Shut-In(1)
76	13.74	92.11	Open To Flow(2)
105	13.15	92.80	Shut-In(2)
149	869.10	93.83	End Shut-In(2)
150	1440.89	93.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil spec Mud	0.02

Gas Rates

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

Brungardt Oil

Holland #1

PO Box 871
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20 13 12W Russell KS

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DST#: 1

ATTN: Gary Brungardt

Test Start: 2008.04.20 @ 08:42:49

Tool Information

Drill Pipe:	Length: 2569.00 ft	Diameter: 3.82 inches	Volume: 36.42 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	37.90 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	2865.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	38.00 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			2845.00	
Shut In Tool	5.00			2850.00	
Hydraulic tool	5.00			2855.00	
Packer	5.00			2860.00	21.00 Bottom Of Top Packer
Packer	5.00			2865.00	
Stubb	1.00			2866.00	
Perforations	3.00			2869.00	
Recorder	0.00	8365	Inside	2869.00	
Recorder	0.00	6625	Outside	2869.00	
Perforations	10.00			2879.00	
Bullnose	3.00			2882.00	17.00 Bottom Packers & Anchor

Total Tool Length: 38.00



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FLUID SUMMARY

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DST#: 1

ATTN: Gary Brungardt

Test Start: 2008.04.20 @ 08:42:49

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: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil spec Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

