

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **IA Operating**

9915 W 21st St N Ste B
Wichita KS 67205

ATTN: Randy Killian

33 8S 25W Graham KS

Cully Trust #33-3

Start Date: 2008.03.01 @ 04:20:45

End Date: 2008.03.01 @ 11:15:45

Job Ticket #: 31520 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

IA Operating

Cully Trust #33-3

33 8S 25W Graham KS

DST # 1

LKC "I-K"

2008.03.01



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IA Operating
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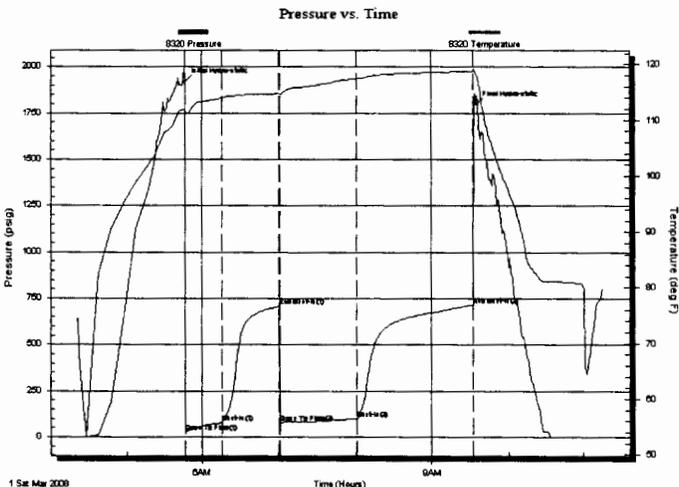
Cully Trust #33-3
33 8S 25W Graham KS
 Job Ticket: 31520 **DST#: 1**
 Test Start: 2008.03.01 @ 04:20:45

GENERAL INFORMATION:

Formation: **LKC "I-K"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 05:47:15
 Tester: Tyson Flax
 Time Test Ended: 11:15:45
 Unit No: 21
 Interval: **3864.00 ft (KB) To 3925.00 ft (KB) (TVD)**
 Reference Elevations: 2443.00 ft (KB)
 Total Depth: 3925.00 ft (KB) (TVD)
 2438.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8320 **Inside**
 Press@RunDepth: 99.01 psig @ 3871.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.03.01 End Date: 2008.03.01 Last Calib.: 2008.03.01
 Start Time: 04:20:46 End Time: 11:15:45 Time On Btm: 2008.03.01 @ 05:46:45
 Time Off Btm: 2008.03.01 @ 09:34:45

TEST COMMENT: IFF Weak surface blow built to 7"
 ISI Weak surface blow back died in 15 min
 FFP BOB in 21 min
 FSI Weak surface blow back built to 1.5"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1918.77	111.61	Initial Hydro-static
1	27.63	111.33	Open To Flow (1)
30	76.86	113.88	Shut-In (1)
74	707.47	114.70	End Shut-In (1)
75	79.25	114.64	Open To Flow (2)
134	99.01	117.40	Shut-In (2)
226	716.13	118.79	End Shut-In (2)
228	1796.30	118.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 60%O 40%M	0.30
150.00	HOOM 40%O 60%M	1.27
0.00		0.00

Gas Rates

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



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TOOL DIAGRAM

IA Operating

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33 8S 25W Graham KS

Job Ticket: 31520

DST#: 1

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Test Start: 2008.03.01 @ 04:20:45

Tool Information

Drill Pipe:	Length: 3699.00 ft	Diameter: 3.82 inches	Volume: 52.43 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: 20000.00 lb
Drill Collar:	Length: 153.00 ft	Diameter: 2.25 inches	Volume: 0.75 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 53.18 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3864.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	82.00 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			3844.00	
Shut In Tool	5.00			3849.00	
Hydraulic tool	5.00			3854.00	
Packer	5.00			3859.00	21.00 Bottom Of Top Packer
Packer	5.00			3864.00	
Stubb	1.00			3865.00	
Perforations	5.00			3870.00	
Change Over Sub	1.00			3871.00	
Recorder	0.00	8320	Inside	3871.00	
Recorder	0.00	8367	Inside	3871.00	
Blank Spacing	32.00			3903.00	
Change Over Sub	1.00			3904.00	
Perforations	18.00			3922.00	
Bullnose	3.00			3925.00	61.00 Bottom Packers & Anchor

Total Tool Length: 82.00



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FLUID SUMMARY

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DST#: 1

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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:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCO 60%O 40%M	0.295
150.00	HOCM 40%O 60%M	1.265
0.00		0.000

Total Length: 210.00 ft

Total Volume: 1.560 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

