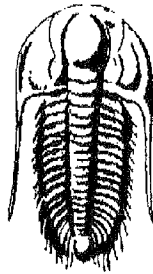


15-051-25845

23-13s-18w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Ernst Oil**

1234 Walker Ave.
Walker, Ks
67674

ATTN: Rich Bell

23-13s-18w Ellis KS

Witt #1

Start Date: 2008.11.10 @ 19:57:48

End Date: 2008.11.11 @ 02:22:12

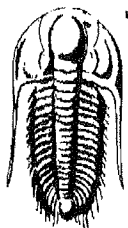
Job Ticket #: 33095

DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Ernst Oil

1234 Walker Ave.
Walker, Ks
67674
ATTN: Rich Bell

Witt #1

23-13s-18w Ellis KS

Job Ticket: 33095

DST#: 1

Test Start: 2008.11.10 @ 19:57:48

GENERAL INFORMATION:

Formation: LKC "G-I"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:43

Time Test Ended: 02:22:12

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3489.00 ft (KB) To 3570.00 ft (KB) (TVD)

Total Depth: 3570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2109.00 ft (KB)

2102.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8371 Inside

Press@RunDepth: 48.48 psig @ 3493.00 ft (KB)

Start Date: 2008.11.10

End Date:

2008.11.11

Start Time: 19:57:48

End Time:

02:22:12

Capacity: 7000.00 psig

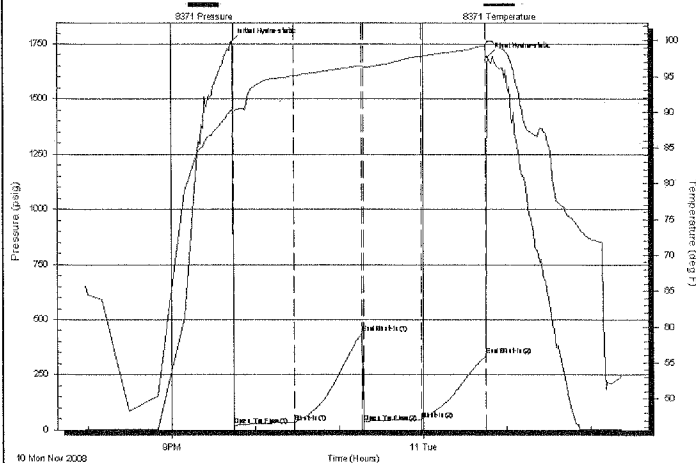
Last Calib.: 2008.11.11

Time On Btm: 2008.11.10 @ 21:43:43

Time Off Btm: 2008.11.11 @ 00:46:42

TEST COMMENT: IFP - BOB 30 min.
ISI - no blow back
FFP - BOB 30 min.
FSI - no blow back TIME - 45-45-45-45

Pressure vs. Time



PRESSURE SUMMARY

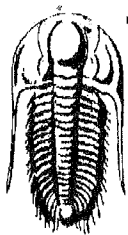
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.20	90.28	Initial Hydro-static
1	20.03	89.81	Open To Flow (1)
44	35.84	95.05	Shut-In (1)
93	438.65	96.47	End Shut-In (1)
94	35.81	96.26	Open To Flow (2)
135	48.48	97.80	Shut-In (2)
182	338.06	99.27	End Shut-In (2)
183	1691.58	99.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GOCM 15%G, 15%O, 70%M	0.91
0.00	215' GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ernst Oil

Witt #1

1234 Walker Ave.

Walker, Ks

67674

ATTN: Rich Bell

23-13s-18w Ellis KS

Job Ticket: 33095

DST#: 1

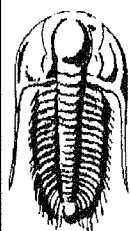
Test Start: 2008.11.10 @ 19:57:48

Tool Information

Drill Pipe:	Length: 3475.00 ft	Diameter: 3.80 inches	Volume: 48.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 53000.00 lb
		Total Volume: 48.75 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3489.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3474.00	
Hydraulic tool	5.00			3479.00	
Packer	5.00			3484.00	20.00 Bottom Of Top Packer
Packer	5.00			3489.00	
Stubb	1.00			3490.00	
Perforations	2.00			3492.00	
Change Over Sub	1.00			3493.00	
Recorder	0.00	8018	Inside	3493.00	
Recorder	0.00	8371	Inside	3493.00	
Blank Spacing	63.00			3556.00	
Change Over Sub	1.00			3557.00	
Perforations	10.00			3567.00	
Bullnose	3.00			3570.00	81.00 Bottom Packers & Anchor

Total Tool Length: 101.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ernst Oil

Witt #1

1234 Walker Ave.

Walker, Ks

67674

ATTN: Rich Bell

23-13s-18w Ellis KS

Job Ticket: 33095

DST#: 1

Test Start: 2008.11.10 @ 19:57:48

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 11.14 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	GOCM 15%G, 15%O, 70%M	0.912
0.00	215' GIP	0.000

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

