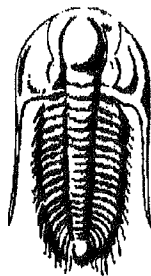


15-095-22129

19-295-6w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co Inc**

100 S Main Ste 505
Wichita KS 67202-3738

ATTN: Jerry Smith

19 29 6 Kingman KS

Cox B #7

Start Date: 2007.12.04 @ 13:15:43

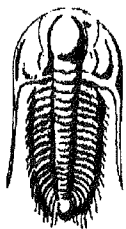
End Date: 2007.12.04 @ 21:47:43

Job Ticket #: 28144 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co Inc

100 S Main Ste 505
Wichita KS 67202-3738

ATTN: Jerry Smith

Cox B #7

19 29 6 Kingman KS

Job Ticket: 28144

DST#: 1

Test Start: 2007.12.04 @ 13:15:43

GENERAL INFORMATION:

Formation: **K.C. Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:43

Time Test Ended: 21:47:43

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3710.00 ft (KB) To 3733.00 ft (KB) (TVD)**

Total Depth: 3733.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1557.00 ft (KB)

1553.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6668

Inside

Press@RunDepth: 301.40 psig @ 3710.00 ft (KB)

Start Date: 2007.12.04

End Date: 2007.12.04

Start Time: 13:16:43

End Time: 21:47:43

Capacity: 7000.00 psig

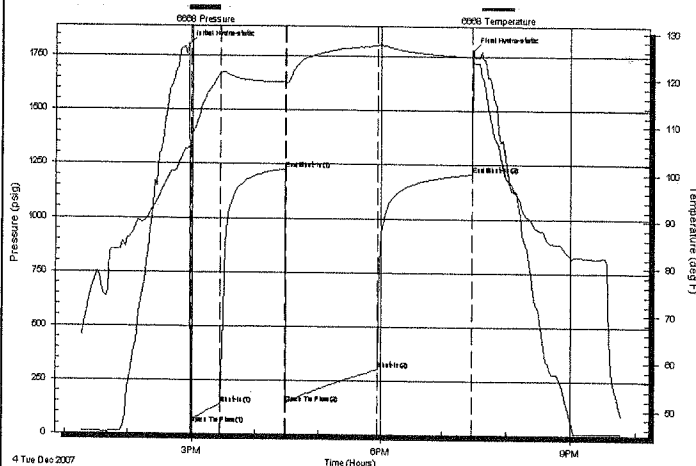
Last Calib.: 2007.12.04

Time On Btm: 2007.12.04 @ 14:56:43

Time Off Btm: 2007.12.04 @ 19:28:43

TEST COMMENT: IF Strong blow BOB in 11 mins.
ISI Bled off No blow back
FF Strong blow BOB on 20 mins.
FSI Bledoff No blow back

Pressure vs. Time



PRESSURE SUMMARY

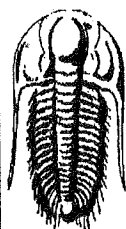
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1801.82	105.39	Initial Hydro-static
2	43.73	106.42	Open To Flow (1)
30	136.72	121.23	Shut-In (1)
91	1227.24	119.44	End Shut-In (1)
92	143.27	118.98	Open To Flow (2)
180	301.40	127.26	Shut-In (2)
271	1207.02	124.91	End Shut-In (2)
272	1776.54	123.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GWM 2%G 38%W 60%M	0.30
300.00	GMW 4%G 92%W 4%M	3.65
60.00	GMW 4%G 76%W 20%M	0.84
10.00	GOcMW 2%G 20%O 60%W 20%M	0.14

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co Inc

100 S Main Ste 505
Wichita KS 67202-3738

ATTN: Jerry Smith

Cox B #7

19 29 6 Kingman KS

Job Ticket: 28144

DST#: 1

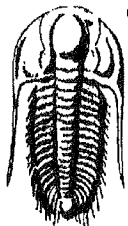
Test Start: 2007.12.04 @ 13:15:43

Tool Information

Drill Pipe:	Length: 3594.00 ft	Diameter: 3.80 inches	Volume: 50.41 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	51.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3710.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	46.00 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			3692.00	
Hydraulic tool	5.00			3697.00	
Safety Joint	3.00			3700.00	
Packer	5.00			3705.00	23.00 Bottom Of Top Packer
Packer	5.00			3710.00	
Recorder	0.00	8359	Inside	3710.00	
Recorder	0.00	6668	Inside	3710.00	
Perforations	20.00			3730.00	
Bullnose	3.00			3733.00	23.00 Bottom Packers & Anchor
Total Tool Length:		46.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co Inc

Cox B #7

100 S Main Ste 505
Wichita KS 67202-3738

19 29 6 Kingman KS

Job Ticket: 28144

DST#: 1

ATTN: Jerry Smith

Test Start: 2007.12.04 @ 13:15:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: 0.07 ohm.m

Salinity: 7500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 150000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GWM 2%G 38%W 60%M	0.295
300.00	GMW 4%G 92%W 4%M	3.653
60.00	GMW 4%G 76%W 20%M	0.842
10.00	GOcMW 2%G 20%O 60%W 20%M	0.140

Total Length: 430.00 ft

Total Volume: 4.930 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

