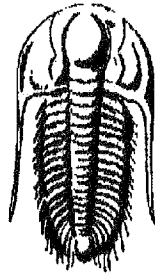


15-101-22208

16-16s-30w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources LLC**

303 E 17th Ave ste 940
Denver, CO 80202

ATTN: Tim Priest

16-16-30 Lane, KS

Schadel 43-16

Start Date: 2009.12.30 @ 02:04:19

End Date: 2009.12.30 @ 09:27:13

Job Ticket #: 35325 DST #: 1

CONFIDENTIAL
JAN 08 2010

KCC

RECEIVED

JAN 14 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Flatirons Resources LLC

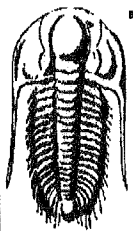
Schadel 43-16

16-16-30 Lane, KS

DST # 1

K

2009.12.30



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Flatirons Resources LLC

303 E 17th Ave ste 940
Denver, CO 80202

ATTN: Tim Priest

Schadel 43-16

16-16-30 Lane, KS

Job Ticket: 35325

DST#: 1

Test Start: 2009.12.30 @ 02:04:19

GENERAL INFORMATION:

Formation: **K**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 04:10:59
Time Test Ended: 09:27:13

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35

Interval: **4156.00 ft (KB) To 4188.00 ft (KB) (TVD)**
Total Depth: **4188.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2805.00 ft (KB)**
2800.00 ft (CF)
KB to GR/CF: **5.00 ft**

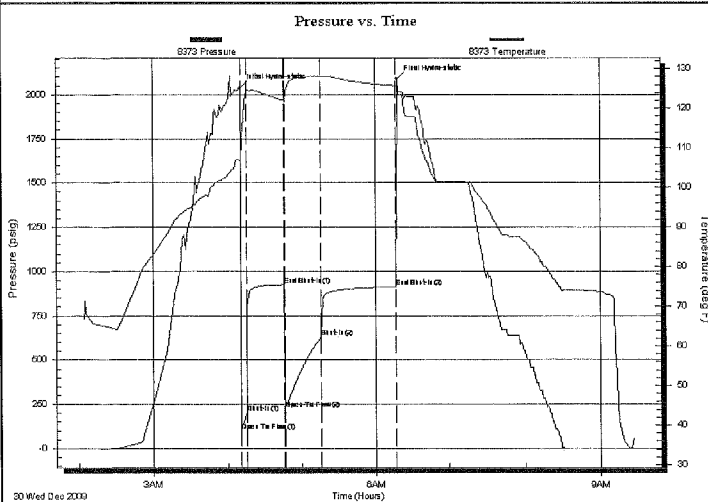
Serial #: 8373

Inside

Press@RunDepth: **630.65 psig @ 4157.00 ft (KB)**
Start Date: **2009.12.30** End Date: **2009.12.30**
Start Time: **02:04:19** End Time: **09:27:13**

Capacity: **8000.00 psig**
Last Calib.: **2009.12.30**
Time On Btm: **2009.12.30 @ 04:10:44**
Time Off Btm: **2009.12.30 @ 06:18:14**

TEST COMMENT: IF: BOB in 2 min.
IS: No return.
FF: BOB in 3 min.
FS: No return.



PRESSURE SUMMARY

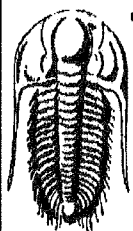
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.56	106.78	Initial Hydro-static
1	97.14	105.97	Open To Flow (1)
5	201.71	124.11	Shut-In(1)
36	924.36	122.22	End Shut-In(1)
36	220.97	121.87	Open To Flow (2)
66	630.65	128.01	Shut-In(2)
127	913.28	125.68	End Shut-In(2)
128	2086.77	125.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	water 100%w	7.57
372.00	mcw 90%w 10%m	5.22
355.00	w cm 10%w 90%m	4.98

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources LLC

Schadel 43-16

303 E 17th Ave ste 940
Denver, CO 80202

16-16-30 Lane, KS

Job Ticket: 35325

DST#: 1

ATTN: Tim Priest

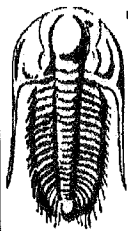
Test Start: 2009.12.30 @ 02:04:19

Tool Information

Drill Pipe:	Length: 4035.00 ft	Diameter: 3.80 inches	Volume: 56.60 bbl	Tool Weight:	1500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb	
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	75000.00 lb	
			Total Volume:	57.21 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	50000.00 lb	
Depth to Top Packer:	4156.00 ft			Final	56000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	32.00 ft					
Tool Length:	52.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4137.00	
Shut In Tool	5.00			4142.00	
Hydraulic tool	5.00			4147.00	
Packer	5.00			4152.00	20.00 Bottom Of Top Packer
Packer	4.00			4156.00	
Stubb	1.00			4157.00	
Recorder	0.00	6772	Inside	4157.00	
Recorder	0.00	8373	Inside	4157.00	
Perforations	26.00			4183.00	
Bullnose	5.00			4188.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources LLC

Schadel 43-16

303 E 17th Ave ste 940
Denver, CO 80202

16-16-30 Lane, KS

Job Ticket: 35325

DST#: 1

ATTN: Tim Priest

Test Start: 2009.12.30 @ 02:04:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	w ater 100%w	7.567
372.00	mcw 90%w 10%m	5.218
355.00	w cm 10%w 90%m	4.980

Total Length: 1347.00 ft

Total Volume: 17.765 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .36@60=22000

Serial #: 8373

Inside

Flatirons Resources LLC

16-16-30 Lane, KS

DST Test Number: 1

Pressure vs. Time

