

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas INC**

PO Box 195
Attica KS 67009

ATTN: Randy Newberry/Tim P

Fischer-Crask #2

33-32-10 Barber Co

Start Date: 2012.12.20 @ 14:47:46

End Date: 2012.12.20 @ 23:31:01

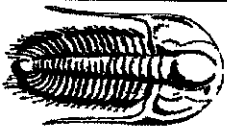
Job Ticket #: 49518 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Printed: 2012.12.24 @ 11:48:28



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TESTING, INC

DRILL STEM TEST REPORT

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33-32-10 Barber Co

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Fischer-Crask #2

Job Ticket: 49518

DST#-1

ATTN: Randy Newberry/Tim P

Test Start: 2012.12.20 @ 14:47:46

GENERAL INFORMATION:

Formation: **Misener**
Deviated: No Whipslock: ft (KB)
Time Tool Opened: 17:52:01
Time Test Ended: 23:31:01
Interval: **4770.00 ft (KB) To 4790.00 ft (KB) (TVD)**
Total Depth: **4790.00 ft (KB) (TVD)**
Hole Diameter: 7.88 inches Hole Condition: Fair

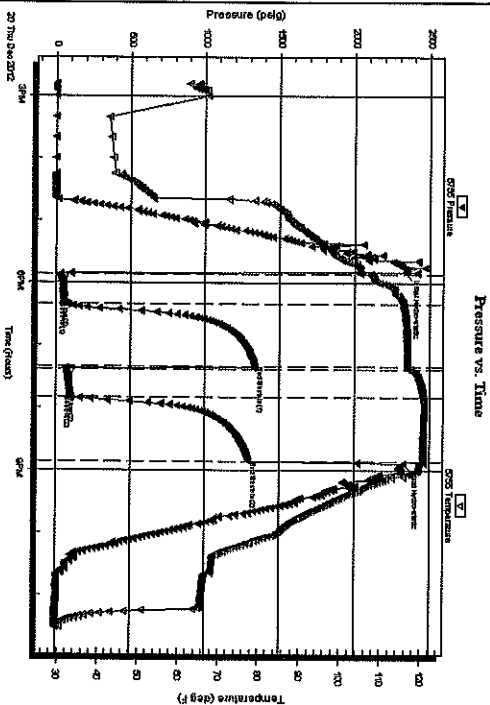
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 47

Reference Elevations: 1505.00 ft (KB)
1495.00 ft (CP)
10.00 ft
KB to GRCF:

Serial #: 6755 Outside
Press@RunDepth: 105.32 psig @ 4771.00 ft (KB)
Start Date: 2012.12.20 End Date:
Start Time: 14:47:51 End Time:

Capacity: 8000.00 psig
Last Callb.: 2012.12.20
Time On Btm: 2012.12.20 @ 17:49:46
Time Off Btm: 2012.12.20 @ 20:53:46

TEST COMMENT: FF: Strong blow BOB 30 sec
SI: Weak surface blow back
FF: Strong blow BOB 11 min
FSI: Weak blow back 2"



PRESSURE SUMMARY

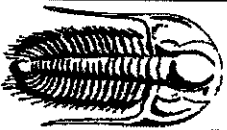
Time (Mfn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.89	105.01	Initial Hydro-static
3	30.11	107.66	Open To Flow (1)
31	71.94	115.79	Shut-In(1)
91	1339.09	116.82	End Shut-In(1)
93	70.36	117.37	Open To Flow (2)
121	105.32	120.71	Shut-In(2)
182	1295.77	120.70	End Shut-In(2)
184	2328.70	119.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1365' GIP	0.00
60.00	M,W 10% mud 90% w ater	0.30
60.00	O,M,W 3% oil 17% mud 80% w ater	0.31
60.00	G,O,M,W 5% gas 20% oil 35% w ater 40% r0.84	
10.00	G,W,O,M 10% gas 20% w ater 35% oil 35% r0.141	

Gas Rates

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



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Job Ticket: 49518

DST #: 1

ATTN: Randy Newberry/Tim P

Test Start: 2012.12.20 @ 14:47:46

GENERAL INFORMATION:

Formation: **Misener**
Deviated: No Whipstock: ft (KB)
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Time Test Ended: 23:31:01
Interval: **4770.00 ft (KB) To 4790.00 ft (KB) (TVD)**
Total Depth: **4790.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches**Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Staats
Unit No: 47

Reference Elevations: 1505.00 ft (KB)
1495.00 ft (CF)
KB to GRVCF: 10.00 ft

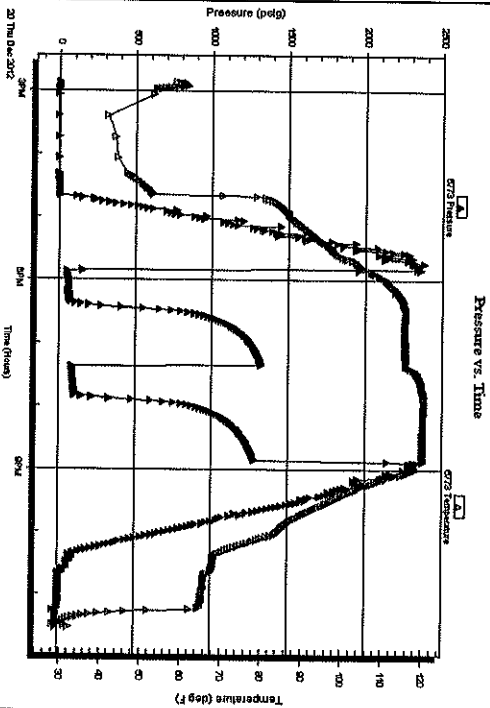
Serial #: 6773 Outside

Press.@RunDepth: psig @ 4771.00 ft (KB)
Start Date: 2012.12.20 End Date:
Start Time: 14:51:50 End Time:

Capacity: 8000.00 psig
Last Callb.: 2012.12.20
Time On Btm:
Time Off Btm:

TEST COMMENT:

IF: Strong blow BOB 30 sec
IS: Weak surface blow back
FF: Strong blow BOB 11 min
FS: Weak blow back 2"



PRESSURE SUMMARY

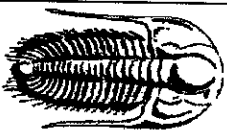
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1365 GIP	0.00
60.00	M,W 10% mud 90% w ater	0.30
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Gas Rates

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



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TOOL DIAGRAM

R & B Oil & Gas INC

33-32-10 Barber Co

PO Box 195
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Fischer-Crask #2

Job Ticket: 49518

DST#: 1

ATTN: Randy Newberry/Tim P

Test Start: 2012.12.20 @ 14:47:46

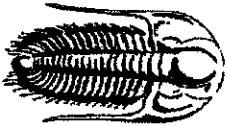
Tool Information

Drill Pipe:	Length: 4646.00 ft	Diameter:	3.80 inches	Volume:	65.17 bbl	Tool Weight:	2000.00 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: 118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	78000.00 lb
				Total Volume:	65.75 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	15.00 ft					String Weight: Initial	68000.00 lb
Depth to Top Packer:	4770.00 ft					Final	68000.00 lb
Depth to Bottom Packer:	ft						
Interval between Packers:	20.00 ft						
Tool Length:	41.00 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			4750.00	
Shut In Tool	5.00			4755.00	
Hydraulic tool	5.00			4760.00	
Packer	5.00			4765.00	21.00
Packer	5.00			4770.00	
Stubb	1.00			4771.00	
Recorder	0.00	6773	Outside	4771.00	
Recorder	0.00	6755	Outside	4771.00	
Perforations	16.00			4787.00	
Bullhose	3.00			4790.00	20.00
Total Tool Length:	41.00				Bottom Packers & Anchor



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FLUID SUMMARY

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Fischer-Crask #2
Job Ticket: 49518
DST#: 1
Test Start: 2012.12.20 @ 14:47:46

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 9.59 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: 125 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1365 GIP	0.000
60.00	M/W 10% mud 90% w ater	0.295
60.00	O.M.W. 3% oil 17% mud 80% w ater	0.313
60.00	G.O.M.W 5% gas 20% oil 35% w ater 40% mud	0.842
10.00	G.W.O.M 10% gas 20% w ater 35% oil 35% mu	0.140

Total Length: 190.00 ft Total Volume: 1.590 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

