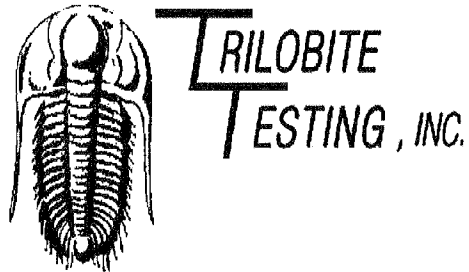


15-051-25885

27-13s-20w

IND



DRILL STEM TEST REPORT

Prepared For: **Taurus Oil Company**

PO Box 981
Hays KS 67601

ATTN: Marc Downing

27 13s 20w Ellis KS

Koron Giebler #1

Start Date: 2009.07.31 @ 02:40:01

End Date: 2009.07.31 @ 10:02:01

Job Ticket #: 35228 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Taurus Oil Company

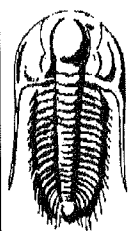
Koron Giebler #1

27 13s 20w Ellis KS

DST # 1

Arbuckle

2009.07.31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Taurus Oil Company

PO Box 981
Hays KS 67601

ATTN: Marc Downing

Koron Giebler #1

27 13s 20w Ellis KS

Job Ticket: 35228

DST#: 1

Test Start: 2009.07.31 @ 02:40:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:45:31

Time Test Ended: 10:02:01

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 32

Interval: **3826.00 ft (KB) To 3839.00 ft (KB) (TVD)**

Reference Elevations: 2200.00 ft (KB)

Total Depth: 3922.00 ft (KB) (TVD)

2190.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8360

Inside

Press@RunDepth: 80.14 psig @ 3827.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.07.31

End Date:

2009.07.31

Last Calib.: 2009.07.31

Start Time: 02:40:03

End Time:

10:02:01

Time On Btm: 2009.07.31 @ 04:45:01

Time Off Btm: 2009.07.31 @ 07:49:01

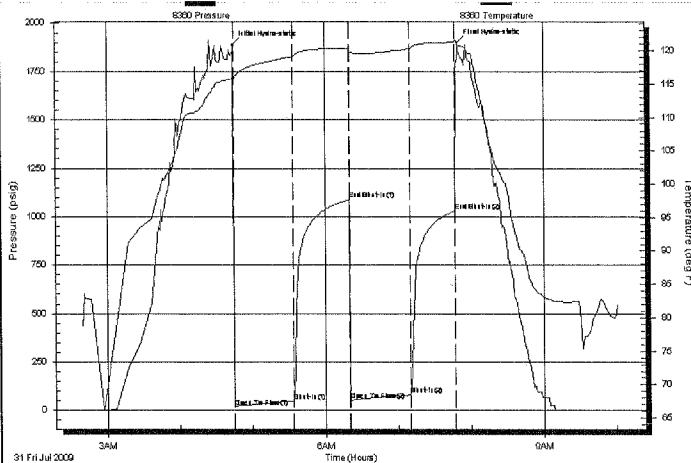
TEST COMMENT: IFP-Good Blow ,BOB in 28 Min.

ISI-Dead

FFP-Good Blow ,BOB in 29 Min.

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

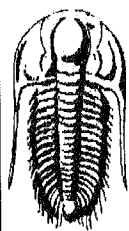
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.61	115.88	Initial Hydro-static
1	16.97	115.37	Open To Flow (1)
49	48.20	119.08	Shut-In (1)
95	1086.47	120.34	End Shut-In (1)
96	51.59	119.87	Open To Flow (2)
145	80.14	120.27	Shut-In (2)
182	1030.11	121.28	End Shut-In (2)
184	1898.17	121.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Gassy OCWM-10%G-20%O-30%W-40%F0.15	
150.00	Gassy Oil-20%G-80%O	2.09
0.00	270' Gas In Pipe	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

Taurus Oil Company

Koron Giebler #1

PO Box 981
Hays KS 67601

27 13s 20w Ellis KS

Job Ticket: 35228

DST#: 1

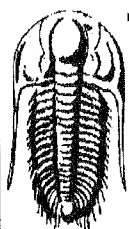
ATTN: Marc Downing

Test Start: 2009.07.31 @ 02:40:01

Tool Information

Drill Pipe:	Length: 3804.00 ft	Diameter: 3.80 inches	Volume: 53.36 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 53.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3826.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	3839.00 ft			
Interval between Packers:	13.00 ft			
Tool Length:	117.00 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			3806.00	
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Packer	5.00			3821.00	21.00 Bottom Of Top Packer
Packer	5.00			3826.00	
Stubb	1.00			3827.00	
Recorder	0.00	8360	Inside	3827.00	
Perforations	1.00			3828.00	
Perforations	7.00			3835.00	
Blank Off Sub	1.00			3836.00	
Blank Spacing	3.00			3839.00	13.00 Tool Interval
Packer	1.00			3840.00	
Stubb	1.00			3841.00	
Perforations	13.00			3854.00	
Recorder	0.00	6755	Below	3854.00	
Change Over Sub	1.00			3855.00	
Blank Spacing	63.00			3918.00	
Change Over Sub	1.00			3919.00	
Recorder	0.00	13252	Below	3919.00	
Bullnose	3.00			3922.00	83.00 Bottom Packers & Anchor
Total Tool Length:		117.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Taurus Oil Company

Koron Giebler #1

PO Box 981
Hays KS 67601

27 13s 20w Ellis KS

Job Ticket: 35228

DST#: 1

ATTN: Marc Downing

Test Start: 2009.07.31 @ 02:40:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Gassy OCWM-10%G-20%O-30%W-40%M	0.148
150.00	Gassy Oil-20%G-80%O	2.095
0.00	270' Gas In Pipe	0.000

Total Length: 180.00 ft Total Volume: 2.243 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .192 @ 75F = 32000 chlorides

DST Test Number: 1

27 13s 20w Ellis KS

Taurus Oil Company

Inside

Serial #: 8360

