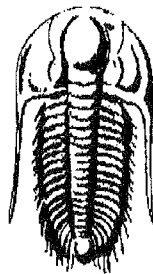


15-135-24883

21-20s-23w

RED



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

CONFIDENTIAL
MAY 18 2009
KCC

225 N Market
Suite 300
Wichita, KS 67202

ATTN: Flip Phillips

21-20s-23w Ness KS

Petersilie "VN" #3-21

Start Date: 2009.03.26 @ 19:54:40

End Date: 2009.03.27 @ 03:22:55

Job Ticket #: 36316 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Pintail Petroleum

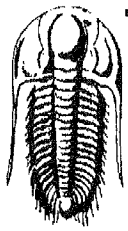
Petersilie "VN" #3-21

21-20s-23w Ness KS

DST # 1

Cherokee Sand

2009.03.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market
Suite 300
Wichita, KS 67202
ATTN: Flip Phillips

Petersilie "VN" #3-21

21-20s-23w Ness KS

Job Ticket: 36316

DST#: 1

Test Start: 2009.03.26 @ 19:54:40

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:59:25

Time Test Ended: 03:22:55

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **4310.00 ft (KB) To 4373.00 ft (KB) (TVD)**

Total Depth: 4373.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2247.00 ft (KB)

2242.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: 1113.07 psig @ 4318.00 ft (KB)

Start Date: 2009.03.26

End Date:

2009.03.27

Start Time: 19:54:41

End Time:

03:22:55

Capacity: 7000.00 psig

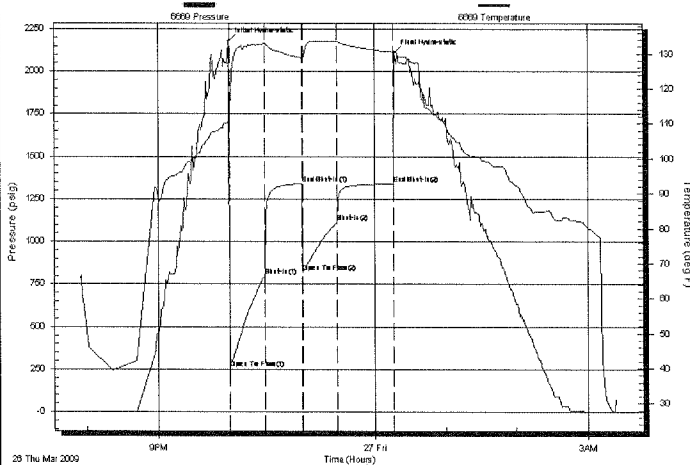
Last Calib.: 2009.03.27

Time On Btm: 2009.03.26 @ 21:58:55

Time Off Btm: 2009.03.27 @ 00:16:55

TEST COMMENT: IFP-BOB in 1 min
ISI-Weak surface blow back died in 3 min
FFP-BOB in 2 min
FSI-weak surface blow back died in 5 min

Pressure vs. Time



PRESSURE SUMMARY

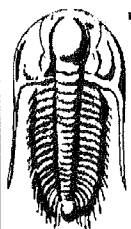
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.53	111.04	Initial Hydro-static
1	258.17	110.85	Open To Flow (1)
29	799.90	132.86	Shut-In (1)
61	1340.85	128.82	End Shut-In (1)
61	821.39	128.67	Open To Flow (2)
90	1113.07	133.41	Shut-In (2)
138	1338.67	130.60	End Shut-In (2)
138	2110.23	130.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	WM 20%W,80%M	1.98
2020.00	Water	28.63

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market
Suite 300
Wichita, KS 67202
ATTN: Flip Phillips

Petersilie "VN" #3-21

21-20s-23w Ness KS

Job Ticket: 36316

DST#: 1

Test Start: 2009.03.26 @ 19:54:40

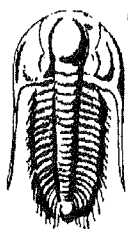
Tool Information

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.82 inches	Volume: 57.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 58.62 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4310.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	84.00 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			4290.00	
Shut In Tool	5.00			4295.00	
Hydraulic tool	5.00			4300.00	
Packer	5.00			4305.00	21.00 Bottom Of Top Packer
Packer	5.00			4310.00	
Stubb	1.00			4311.00	
Perforations	6.00			4317.00	
Change Over Sub	1.00			4318.00	
Recorder	0.00	6672	Inside	4318.00	
Recorder	0.00	6669	Inside	4318.00	
Blank Spacing	31.00			4349.00	
Change Over Sub	1.00			4350.00	
Perforations	20.00			4370.00	
Bullnose	3.00			4373.00	63.00 Bottom Packers & Anchor

Total Tool Length: 84.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Petersilie "VN" #3-21

225 N Market
Suite 300
Wichita, KS 67202
ATTN: Flip Phillips

21-20s-23w Ness KS

Job Ticket: 36316

DST#: 1

Test Start: 2009.03.26 @ 19:54:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

16000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	WM 20%W, 80%M	1.985
2020.00	Water	28.634

Total Length: 2320.00 ft

Total Volume: 30.619 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

