



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum Inc**

513 West 6th
Ellinwood Ks 67526

ATTN: Ed Nemnich

27-25s-17w Edwards

Fisher #1

Start Date: 2004.10.12 @ 11:48:15

End Date: 2004.10.12 @ 17:47:44

Job Ticket #: 18523 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K&N Petroleum Inc
513 West 6th
Ellinwood Ks 67526
ATTN: Ed Nemnich

Fisher #1
27-25s-17w Edwards
Job Ticket: 18523 **DST#: 1**
Test Start: 2004.10.12 @ 11:48:15

GENERAL INFORMATION:

Formation: **Cher Sd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:41:44
Time Test Ended: 17:47:44

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 28

Interval: **4406.00 ft (KB) To 4460.00 ft (KB) (TVD)**
Total Depth: 4460.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2117.00 ft (KB)
2107.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6668

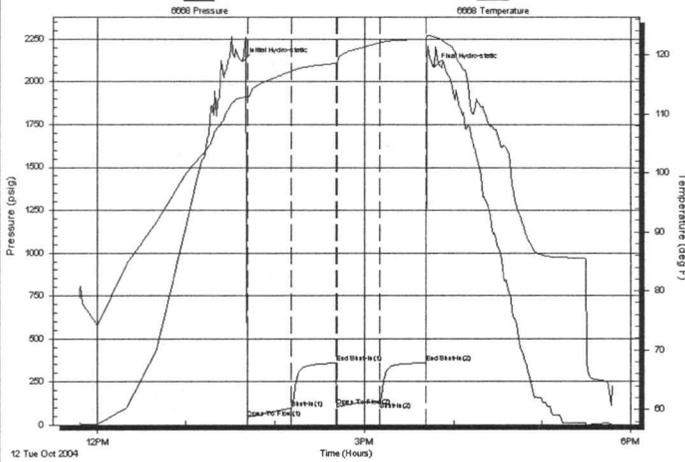
Inside

Press@RunDepth: 135.51 psig @ 4409.01 ft (KB)
Start Date: 2004.10.12 End Date: 2004.10.12
Start Time: 11:48:15 End Time: 17:47:44

Capacity: 7000.00 psig
Last Calib.: 2004.10.12
Time On Btm: 2004.10.12 @ 13:38:44
Time Off Btm: 2004.10.12 @ 15:46:44

TEST COMMENT: IFP-w k to a gd bl 1/2" to 8"bl
FFP-w k to strg in 10 min
Times 30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.65	112.76	Initial Hydro-static
3	38.85	112.68	Open To Flow (1)
33	95.96	117.21	Shut-In(1)
62	358.13	118.55	End Shut-In(1)
63	106.06	118.49	Open To Flow (2)
92	135.51	122.02	Shut-In(2)
123	360.64	122.62	End Shut-In(2)
128	2086.49	122.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
245.00	SGCM 5%gas 95%mud	1.20
0.00	840'GIP	0.00

Gas Rates

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



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TOOL DIAGRAM

K&N Petroleum Inc

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DST#: 1

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Test Start: 2004.10.12 @ 11:48:15

Tool Information

Drill Pipe:	Length: 4105.00 ft	Diameter: 3.80 inches	Volume: 57.58 bbl	Tool Weight: 2200.00 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4406.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.02 ft			
Tool Length:	75.02 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Packer	5.00			4401.00	21.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Perforations	2.00			4409.00	
Recorder	0.01	6668	Inside	4409.01	
Blank Spacing	33.00			4442.01	
Recorder	0.01	13534	Outside	4442.02	
Perforations	15.00			4457.02	
Bullnose	3.00			4460.02	54.02 Bottom Packers & Anchor

Total Tool Length: 75.02



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FLUID SUMMARY

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Job Ticket: 18523

DST#: 1

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Test Start: 2004.10.12 @ 11:48:15

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:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
245.00	SGCM 5%gas 95%mud	1.205
0.00	840'GIP	0.000

Total Length: 245.00 ft

Total Volume: 1.205 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6668

Inside

K&N Petroleum Inc

27-25s-17w Edw ards

DST Test Number: 1

