



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chieftain Oil Co

Donna #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 30354 DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2008.03.28 @ 13:53:39

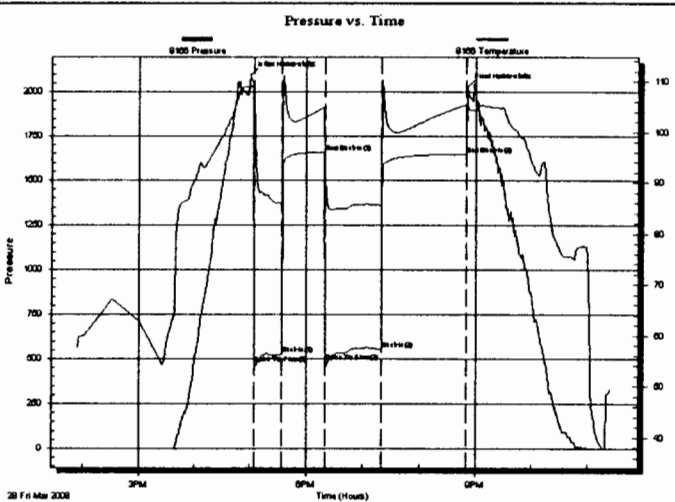
3-32-10W

GENERAL INFORMATION:

Formation: **Sw ope**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 17:04:59
 Time Test Ended: 23:26:28
 Interval: **4130.00 ft (KB) To 4156.00 ft (KB) (TVD)**
 Total Depth: **4156.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Leal Cason**
 Unit No: **24**
 Reference Elevations: **1552.00 ft (KB)**
1540.00 ft (CF)
 KB to GR/CF: **12.00 ft**

Serial #: 8166 **Inside**
 Press@RunDepth: **555.68 psig @ 4131.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2008.03.28** End Date: **2008.03.28** Last Calib.: **2008.03.28**
 Start Time: **13:53:44** End Time: **23:26:29** Time On Btrm: **2008.03.28 @ 17:00:49**
 Time Off Btrm: **2008.03.28 @ 20:50:48**

TEST COMMENT: IF Strong blow BOB in 15 sec GTS in 2 min gauged gas
 ISI Would not bleed off
 FF Strong blow BOB & GTS immediate gauged gas caught sample
 FSI Would not bleed off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.29	109.11	Initial Hydro-static
5	474.51	107.74	Open To Flow (1)
34	526.60	85.88	Shut-in(1)
80	1660.34	104.96	End Shut-in(1)
80	484.00	93.44	Open To Flow (2)
139	555.68	85.52	Shut-in(2)
229	1648.71	105.49	End Shut-in(2)
230	2028.87	105.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 3934	0.00
65.00	OCW 5%O 95%W	0.32
120.00	Oil	0.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	140.00	2411.71
Last Gas Rate	1.00	98.00	3231.37
Max. Gas Rate	0.75	140.00	2411.71



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TOOL DIAGRAM

Chieftain Oil Co

Donna #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 30354 **DST#: 1**

ATTN: Arden Ratzlaff

Test Start: 2008.03.28 @ 13:53:39

Tool Information

Drill Pipe:	Length: 3627.00 ft	Diameter: 3.80 inches	Volume: 50.88 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 492.00 ft	Diameter: 2.25 inches	Volume: 2.42 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 53.30 bbl	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4130.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			4107.00	
Change Over Sub	1.00			4108.00	
Shut In Tool	5.00			4113.00	
Hydraulic tool	5.00			4118.00	
Safety Joint	3.00			4121.00	
Packer	5.00			4126.00	24.00 Bottom Of Top Packer
Packer	4.00			4130.00	
Stubb	1.00			4131.00	
Recorder	0.00	8166	Inside	4131.00	
Recorder	0.00	8356	Outside	4131.00	
Perforations	22.00			4153.00	
Bullnose	3.00			4156.00	26.00 Bottom Packers & Anchor

Total Tool Length: 50.00

(Faint, illegible stamp or handwritten notes)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chieftain Oil Co

Donna #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 28850

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2008.03.30 @ 19:29:15

GENERAL INFORMATION:

Formation: **Viola**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 23:43:30

Time Test Ended: 07:00:45

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **23**

Interval: **4671.00 ft (KB) To 4690.00 ft (KB) (TVD)**

Reference Elevations: **1552.00 ft (KB)**

Total Depth: **4690.00 ft (KB) (TVD)**

1540.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **12.00 ft**

Serial #: 8370

Inside

Press@RunDepth: **23.69 psig @ 4672.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2008.03.30**

End Date:

2008.03.31

Last Calib.: **2008.03.31**

Start Time: **19:29:20**

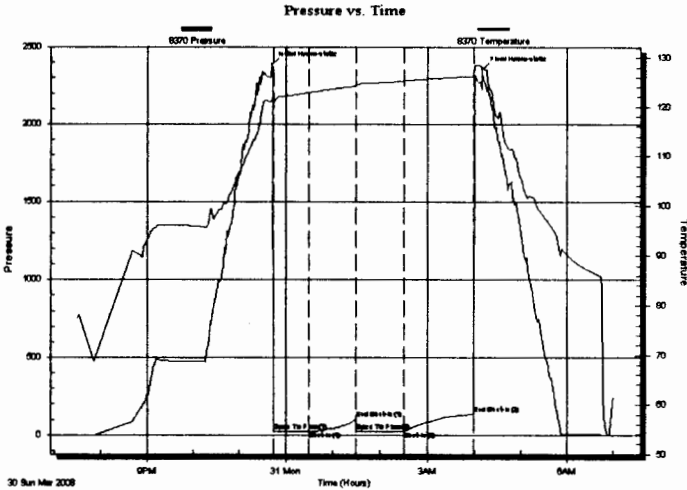
End Time:

07:00:45

Time On Btrr: **2008.03.30 @ 23:41:45**

Time Off Btrr: **2008.03.31 @ 04:10:30**

TEST COMMENT: IF Weak blow No more than 1 1/2 "
ISI Weak blow Surface blow no more than 1/4 "
FF Weak blow No more than 3 "
FSI Weak blow Surface blow no more than 1/4 "



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2384.22	121.15	Initial Hydro-static
2	20.92	120.89	Open To Flow (1)
47	21.92	122.86	Shut-In(1)
107	101.26	124.25	End Shut-In(1)
108	21.50	124.29	Open To Flow (2)
168	23.69	125.26	Shut-In(2)
258	135.71	126.28	End Shut-In(2)
269	2354.68	127.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DMw/O specs	0.05

Gas Rates

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

KANSAS DEPARTMENT OF REVENUE

APR 10 2008

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DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co

Donna #1

PO Box 124
Kiowa KS 67070

3 32S 10W Barber KS

Job Ticket: 28850 **DST#: 2**

ATTN: Arden Ratzlaff

Test Start: 2008.03.30 @ 19:29:15

Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 533.00 ft	Diameter: 2.25 inches	Volume: 2.62 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 60.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4671.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			4647.00	
Change Over Sub	1.00			4648.00	
Shut In Tool	5.00			4653.00	
Hydraulic tool	5.00			4658.00	
Safety Joint	3.00			4661.00	
Packer	5.00			4666.00	25.00 Bottom Of Top Packer
Packer	5.00			4671.00	
Stubb	1.00			4672.00	
Recorder	0.00	8370	inside	4672.00	
Recorder	0.00	8289	inside	4672.00	
Perforations	13.00			4685.00	
Bullnose	5.00			4690.00	19.00 Bottom Packers & Anchor

Total Tool Length: 44.00

KANSAS STATE UNIVERSITY

APR 1 2008
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