

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd
Ste 800
Dallas TX 75225-5520
ATTN: Kurt Mai

Flegler B#2
11-15-14 Russell, KS
Job Ticket: 43475 DST#: 1
Test Start: 2011.06.04 @ 04:35:00

GENERAL INFORMATION:

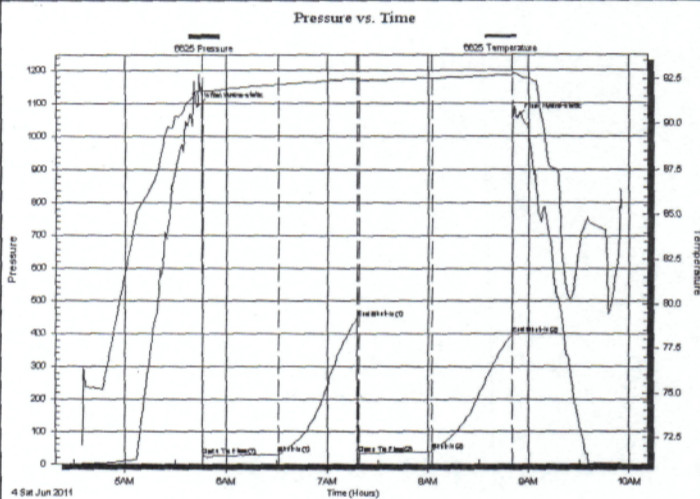
Formation: **Tarkio**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:45:55
Time Test Ended: 09:55:24
Interval: **2348.00 ft (KB) To 2400.00 ft (KB) (TVD)**
Total Depth: **2400.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **1797.00 ft (KB)**
1789.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6625

Inside

Press@RunDepth: **39.49 psig @ 2364.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.06.04** End Date: **2011.06.04** Last Calib.: **2011.06.04**
Start Time: **04:35:00** End Time: **09:55:24** Time On Btm: **2011.06.04 @ 05:42:55**
Time Off Btm: **2011.06.04 @ 08:52:54**

TEST COMMENT: 45-IFP-w k to a gd bl 1"to 8"bl
45-ISIP-no bl
45-FFP-w k bl 1/2"to 3"bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1091.20	91.82	Initial Hydro-static
3	24.94	91.88	Open To Flow (1)
48	30.86	92.22	Shut-In(1)
95	446.61	92.52	End Shut-In(1)
96	31.67	92.44	Open To Flow (2)
139	39.49	92.54	Shut-In(2)
187	396.88	92.72	End Shut-In(2)
190	1057.17	92.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	265'GIP	0.00
45.00	O&GCM 10%G15%O75%M	0.63

Gas Rates

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



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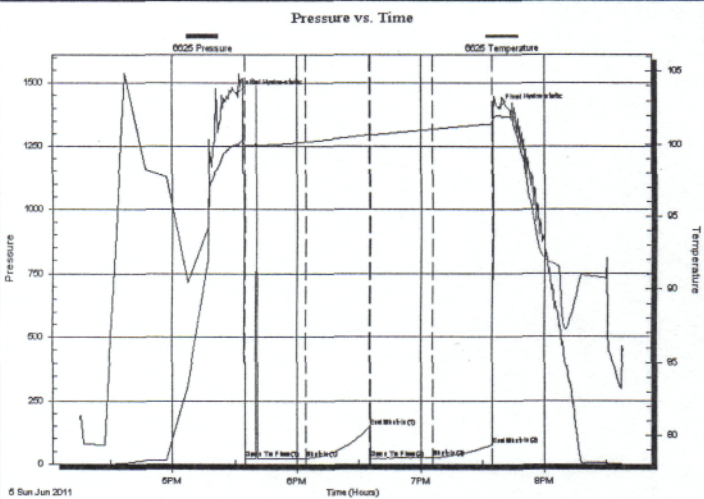
Flegler B#2
11-15-14 Russell, KS
 Job Ticket: 43601 **DST#: 2**
 Test Start: 2011.06.05 @ 16:15:06

GENERAL INFORMATION:

Formation: **LKC A-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:34:31
 Time Test Ended: 20:39:00
 Interval: **2980.00 ft (KB) To 3028.00 ft (KB) (TVD)**
 Total Depth: 3028.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1797.00 ft (KB)
 1789.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 24.10 psig @ 2992.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.05 End Date: 2011.06.05 Last Calib.: 2011.06.05
 Start Time: 16:15:06 End Time: 20:39:00 Time On Btm: 2011.06.05 @ 17:31:01
 Time Off Btm: 2011.06.05 @ 19:38:01

TEST COMMENT: 30-IFP-surge w/tool opened, flushed tool
 30-ISIP-no bl
 30-FFP-no bl
 30-FSIP-no bl



PRESSURE SUMMARY

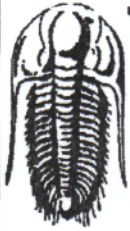
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1458.75	99.96	Initial Hydro-static
4	22.11	99.99	Open To Flow (1)
33	23.25	100.15	Shut-In(1)
64	146.25	100.65	End Shut-In(1)
65	23.37	100.64	Open To Flow (2)
95	24.10	101.03	Shut-In(2)
124	76.37	101.42	End Shut-In(2)
127	1402.06	101.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/show of oil	0.07

Gas Rates

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



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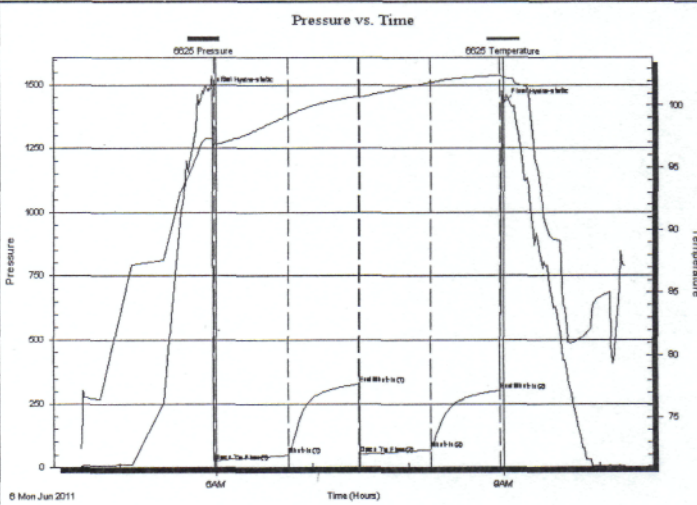
Flegler B#2
11-15-14 Russell,KS
 Job Ticket: 43602 **DST#: 3**
 Test Start: 2011.06.06 @ 04:35:48

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: 05:58:43
 Time Test Ended: 10:16:42
 Interval: **3035.00 ft (KB) To 3080.00 ft (KB) (TVD)**
 Total Depth: **3080.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **42**
 Reference Elevations: **1797.00 ft (KB)**
1789.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6625 Inside
 Press@RunDepth: **70.12 psig @ 3044.00 ft (KB)**
 Start Date: **2011.06.06** End Date: **2011.06.06**
 Start Time: **04:35:48** End Time: **10:16:42**
 Capacity: **8000.00 psig**
 Last Calib.: **2011.06.06**
 Time On Btm: **2011.06.06 @ 05:55:13**
 Time Off Btm: **2011.06.06 @ 09:00:12**

TEST COMMENT: 45-IFP-wk to a fr bl 1/2"to 6"bl
 45-ISIP-no bl
 45-FFP-wk bl 1/2"to 3"bl
 45-FSIP-no bl



PRESSURE SUMMARY

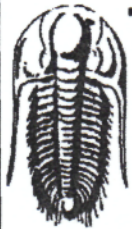
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1478.98	97.33	Initial Hydro-static
4	23.62	96.94	Open To Flow (1)
50	47.68	99.19	Shut-In(1)
94	330.06	100.78	End Shut-In(1)
95	51.67	100.74	Open To Flow (2)
139	70.12	101.88	Shut-In(2)
182	303.43	102.47	End Shut-In(2)
185	1432.29	102.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	245'GIP	0.00
40.00	O&GCM 10%O15%O75%M	0.56
60.00	SOCMV 2%O40%M58%W	0.84

Gas Rates

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



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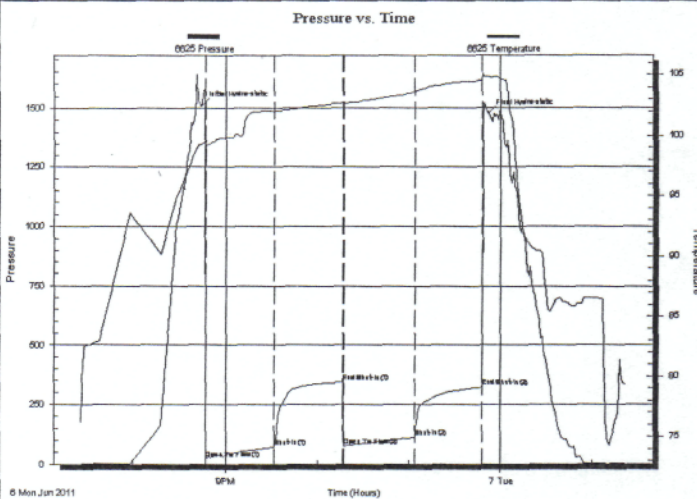
11-15-14 Russell, KS
Job Ticket: 43603 DST#: 4
Test Start: 2011.06.06 @ 19:25:52

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:46:47
 Time Test Ended: 01:22:46
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Interval: **3133.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Reference Elevations: 1797.00 ft (KB)
 Total Depth: 3200.00 ft (KB) (TVD) 1789.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 111.54 psig @ 3142.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.06 End Date: 2011.06.07 Last Calib.: 2011.06.07
 Start Time: 19:25:52 End Time: 01:22:46 Time On Btm: 2011.06.06 @ 20:44:17
 Time Off Btm: 2011.06.06 @ 23:51:46

TEST COMMENT: 45-IFP-w k to strg in 40 min
 45-ISIP-no bl
 45-FFP-w k to a gd bl 1/2" to 8" bl
 45-FSIP-surface bl bk



PRESSURE SUMMARY

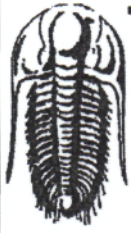
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1510.80	99.31	Initial Hydro-static
3	24.56	99.14	Open To Flow (1)
48	72.63	102.03	Shut-In(1)
92	343.30	102.75	End Shut-In(1)
93	76.40	102.71	Open To Flow (2)
139	111.54	103.66	Shut-In(2)
184	321.84	104.53	End Shut-In(2)
188	1476.66	104.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	175'GIP	0.00
2.00	CO	0.03
70.00	MGO 10%G40%M50%O	0.98
62.00	O&GCM 10%G10%O80%M	0.87
62.00	OCVM 5%O35%W60%M	0.87

Gas Rates

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



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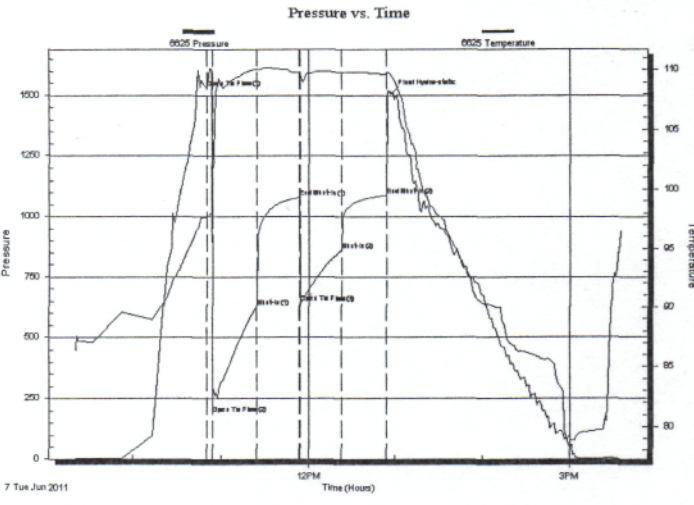
Flegler B#2
11-15-14 Russell,KS
 Job Ticket: 43604 **DST#: 5**
 Test Start: 2011.06.07 @ 09:20:52

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:50:22
 Time Test Ended: 15:35:22
 Interval: **3198.00 ft (KB) To 3245.00 ft (KB) (TVD)**
 Total Depth: 3245.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1797.00 ft (KB)
 1789.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 626.68 psig @ 3210.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.06.07 End Date: 2011.06.07 Last Calib.: 2011.06.07
 Start Time: 09:20:57 End Time: 15:35:21 Time On Btm
 Time Off Btm 2011.06.07 @ 12:56:52

TEST COMMENT: 30-IFP-strg bl in 1 min
 30-ISIP-no bl
 30-FFP-strg bl in 2 min
 30-FSIP-no bl



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.18	97.59	Open To Flow (1)
4	187.12	97.62	Open To Flow (2)
34	626.68	110.07	Shut-In(1)
64	1080.64	109.73	End Shut-In(1)
64	640.13	109.60	Open To Flow (3)
93	861.59	109.78	Shut-In(2)
124	1088.41	109.60	End Shut-In(2)
127	1508.93	109.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	125'GIP	0.00
435.00	GMMCO 25%G5%M20%W50%O	6.10
186.00	GMMCO 10%G3%M30%W84%O	2.61
990.00	GWCO 15%G30%W55%O	13.89
372.00	Water	5.22

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)