

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations

PO Box 33
Russell, KS 67665

ATTN: Kitt Noah

Maneth-McCurry #1

30-17s-14w Barton KS

Job Ticket: 38075

DST#: 1

Test Start: 2010.02.05 @ 13:30:41

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:11

Time Test Ended: 20:33:41

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: 3398.00 ft (KB) To 3435.00 ft (KB) (TVD)

Total Depth: 3435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1922.00 ft (KB)

1914.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6669

Inside

Press@RunDepth: 61.03 psig @ 3402.00 ft (KB)

Start Date: 2010.02.05

End Date:

2010.02.05

Capacity: 8000.00 psig

Last Calib.: 2010.02.05

Start Time: 13:30:42

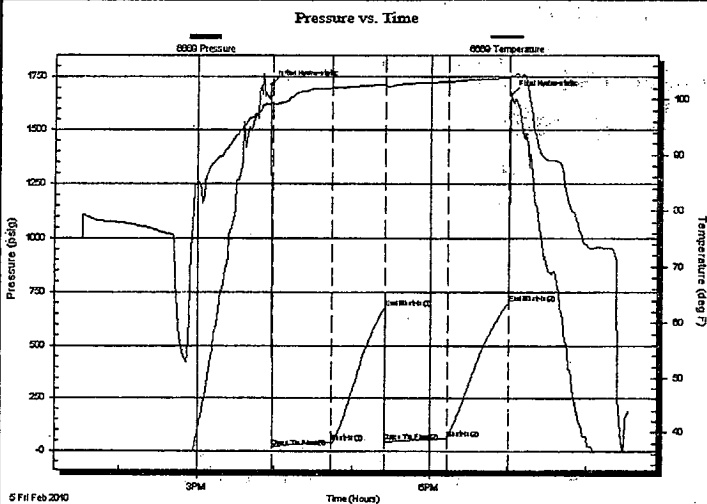
End Time:

20:33:41

Time On Btm: 2010.02.05 @ 15:57:11

Time Off Btm: 2010.02.05 @ 19:01:41

TEST COMMENT: IFP-BOB in 29 min
ISI-weak surface blow back died in 11 min
FP-BOB in 36 min
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
.0	1712.41	99.45	Initial Hydro-static
1	17.84	99.12	Open To Flow (1)
47	41.34	102.07	Shut-In (1)
88	676.42	102.71	End Shut-In (1)
88	45.21	102.44	Open To Flow (2)
136	61.03	103.19	Shut-In (2)
183	700.80	103.90	End Shut-In (2)
185	1666.61	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	MCO 70%O,30%M	1.49
5.00	CO	0.07
0.00	130' GIP	0.00

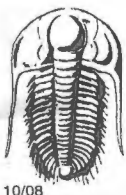
Gas Rates

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

MAY 24 2010

KCC WICHITA



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 38075

13903

RECEIVE

FEB 10 2010

Well Name & No. Maneth - McCurry #1 Test No. _____ Date 2-5-10
 Company Man Oil Operations BY: _____ Elevation 1922 KB 1914 GL _____
 Address PO Box 33 Russell, KS 67665
 Co. Rep / Geo. Kirt Noah Rig Southwind #3
 Location: Sec. 30 Twp. 17S Rge. 14W Co. Barton State KS

Interval Tested 3398 - 3435 Zone Tested Arbuckle
 Anchor Length 37 Drill Pipe Run 3387 Mud Wt. 9.4
 Top Packer Depth 3393 Drill Collars Run _____ Vis 54
 Bottom Packer Depth 3398 Wt. Pipe Run _____ WL 9.0
 Total Depth 3435 Chlorides 8100 ppm System LCM _____

Blow Description IFP - BOB in 29 min
ISI - weak surface blow back died in 11 min
FFP - BOB in 36 min
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CO</u>				
<u>105</u>	<u>MCO</u>		<u>70</u>		<u>30</u>
<u>130</u>	<u>GIP</u>				
<u>110</u>	<u>BHT 104</u>				

(A) Initial Hydrostatic 1712 ☒ Test 1090- T-On Location 12:10
 (B) First Initial Flow 18 ☐ Jars _____ T-Started 13:30
 (C) First Final Flow 41 ☐ Safety Joint _____ T-Open 15:58
 (D) Initial Shut-In 676 ☐ Circ Sub _____ T-Pulled 18:58
 (E) Second Initial Flow 45 ☐ Hourly Standby _____ T-Out 20:33
 (F) Second Final Flow 61 ☒ Mileage 99.1 Comments _____
 (G) Final Shut-In 70 ☐ Sampler _____
 (H) Final Hydrostatic 1635 ☐ Straddle _____

Initial Open 45 ☐ Shale Packer _____ ☐ Ruined Shale Packer _____
 Initial Shut-In 45 ☐ Extra Packer _____ ☐ Ruined Packer _____
 Final Flow 45 ☐ Extra Recorder _____ ☐ Extra Copies _____
 Final Shut-In 45 ☐ Day Standby _____ Sub Total 0
 Sub Total 1149- Total 1149-

Approved By _____ Our Representative [Signature]
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