TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 04135815238

Well Name & No. Chris #1-17 Test No. 1 Date 12-30-10

Company Murfin Drilling Co. Inc Elevation 1847 KB 1842 GL

Address 250 N. Wtr Ste 300 Wichita Ks 67202

Co. Rep / Geo. Brad Rine Rig Murfin #16

Location: Sec. 17 Twp. 10 Rge. 14 Co. Osborne State Ks

Interval Tested 3793 - 3815 Zone Tested Topeka "B"

Anchor Length 22 Drill Pipe Run 3756 Mud Wt. 8.8

Top Packer Depth 3788 Drill Collars Run 30 Vis 76

Bottom Packer Depth 3793 Wt. Pipe Run — WL 6.4

Total Depth 3815 Chlorides 2000 ppm System LCM 3#

Blow Description I.F. Weak - died in 20 min.

F.F. No blow

Rec 5	Feet of OCM	%gas 30	%oil	%water 70	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 85 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic	1362	☐ Test 1125	T-On Location 07:54
(B) First Initial Flow	15	☐ Jars X 250	T-Started 08:47
(C) First Final Flow	17	☐ Safety Joint X 75	T-Open 10:35
(D) Initial Shut-In	920	☐ Circ Sub	T-Pulled 13:05
(E) Second Initial Flow	17	☐ Hourly Standby	T-Out 14:14
(F) Second Final Flow	20	☐ Mileage 100 RT 125	Comments
(G) Final Shut-In	890	☐ Sampler	
(H) Final Hydrostatic	1320	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open	30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	45	☐ Extra Recorder	Sub Total 8
Final Flow	30	☐ Day Standby	Total 1575
Final Shut-In	45	☐ Accessibility	MP/DST Disc't
		Sub Total 1575	

Approved By ____ Our Representative Dan Bangle

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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4/10

Test Ticket

NO. 041024

Well Name & No. Chris #1-17 Test No. 2 Date 12-31-10

Company Murfin Drilling Co Inc Elevation 1847 KB 1842 GL

Address 250 N Water Ste 300 Wichita KS 67202

Co. Rep / Geo. Brad Rine Rig Murfin #12

Location: Sec. 17 Twp. 10 S Rge. 14 W Co. Osborne State KS

Interval Tested 3053-3114 Zone Tested Lsg - A + B

Anchor Length 61 Drill Pipe Run 3010 Mud Wt. 8.8

Top Packer Depth 3048 Drill Collars Run 31 Vis 62

Bottom Packer Depth 3053 Wt. Pipe Run 0 WL 6.4

Total Depth 3114 Chlorides 2000 ppm System LCM 1.5

Blow Description IFP - Weak Blow Built to 2¼ in

ISI - Dead No Blow Back

FFP - Weak Blow Built to 1¼ in

FSI - Dead No Blow Back

Rec 10	Feet of SOCM	%gas 5	%oil	%water 95	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 94 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1501	☒ Test 1125	T-On Location 8:51	
(B) First Initial Flow 51	☒ Jars 250	T-Started 9:35	
(C) First Final Flow 42	☒ Safety Joint 75	T-Open 11:05	
(D) Initial Shut-In 1037	☐ Circ Sub	T-Pulled 15:10	
(E) Second Initial Flow 55	☐ Hourly Standby	T-Out 16:37	
(F) Second Final Flow 50	☒ Mileage 100 RT 125 ~~150~~	Comments	
(G) Final Shut-In 873	☐ Sampler		
(H) Final Hydrostatic 1487	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 60	☐ Day Standby	Total ~~1582.50~~	
Final Shut-In 90	☐ Accessibility	MP/DST Disc't	
	Sub Total ~~1582.50~~ 1575		

Approved By ____ Our Representative Jeff Brown

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4/10

Test Ticket

NO. 041025

Well Name & No. Chris #1-17 Test No. 3 Date 12-3-10

Company Murfin Drilling Co INC Elevation 1847 KB 1842 GL

Address 250 N Water Ste 300 Wichita KS 67202

Co. Rep / Geo. Brad Rine Rig Murfin #16

Location: Sec. 17 Twp. 10 S Rge. 14 W Co. Osborne State KS

Interval Tested 3010-3134 Zone Tested Lsg-D

Anchor Length 24 Drill Pipe Run ~~3070~~ 3074 Mud Wt. 8.8

Top Packer Depth 3105 Drill Collars Run 31 Vis 60

Bottom Packer Depth 3110 Wt. Pipe Run 0 WL 6.4

Total Depth 3134 Chlorides 2000 ppm System LCM 1½

Blow Description IKP Strong Blow BoB IN 4min
ISI-Weak Surface Blow Back Built To ½ IN
FKP-Strong Blow BoB IN 5½ min
FSI-Dead NO Blow Back

Rec 1	Feet of USOCMW	%gas	2 %oil	93 %water	5 %mud
Rec 252	Feet of MW With A Scum of oil	%gas	%oil	90 %water	10 %mud
Rec 508	Feet of MW	%gas	%oil	95 %water	5 %mud
Rec	Feet of 59 GIP	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 761 BHT 102 Gravity ____ API RW .164 @ 110 °F Chlorides 225,000 ppm

(A) Initial Hydrostatic	☒ Test 1125	T-On Location 22:02
(B) First Initial Flow	☒ Jars 250	T-Started 23:13
(C) First Final Flow	☒ Safety Joint 75	T-Open 00:49
(D) Initial Shut-In	☐ Circ Sub	T-Pulled 4:49
(E) Second Initial Flow	☐ Hourly Standby	T-Out 7:23
(F) Second Final Flow	☒ Mileage 10 LORT 132.50	Comments Loaded tools 16:00 1/2/11
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total ~~1582~~ 800
Final Flow 60	☐ Day Standby 800	Total 2382.50
Final Shut-In 90	☐ Accessibility 1575	MP/DST Disc't
	Sub Total ~~1582~~ .50 + 800	

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