

Plugged 9-13-93

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 051-24851-0000

County Ellis

110' W  
C - NW - NE - SW Sec. 8 Twp. 11S Rge. 19W E

2310 Feet from S/RK (circle one) Line of Section

3740 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Mick Well # 1-8

Field Name Unknown

Producing Formation \_\_\_\_\_

Elevation: Ground 2118 KB 2123

Total Depth 3760 PBTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 276 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan ART II DSA  
(Data must be collected from the Reserve Pit)

Chloride content 27000 ppm Fluid volume 2500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 30606

Name: Murfin Drilling Co., Inc.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Larry M. Jack

Phone ( ) 267-3241

Contractor: Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Steve Parker

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBTD

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

9/4/93 9/13/93

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature By: [Signature]

Title Pat Canaday, Production Engineer Date 10/5/93

Subscribed and sworn to before me this 5 day of October

19 93

Notary Public [Signature] **KERRAN REDINGTON**  
NOTARY PUBLIC  
STATE OF KANSAS

Date Commission Expires 2/6/94 My Appl. Exp. 2-6-94

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution **OCT 06 1993**  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
RECEIVED  
STATE CORPORATION COMMISSION  
10-6-1993  
OCT 06 1993  
CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Murfin Drilling Co., Inc. Lease Name Mick Well # 1-8  
 Sec. 8 Twp. 11S Rge. 19W  East County Ellis  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:

Name	Top	Datum	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
			Anhydrite	1481 (+ 642)	
B/Anhydrite	1523 (+ 600)				
Topeka	3120 (- 997)				
Heebner	3337 (-1214)				
Toronto	3357 (-1234)				
LKC	3376 (-1253)				
B/KC	3590 (-1467)				
Arbuckle	3713 (-1590)				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24	276 ✓	60/40 Poz	170 ✓	60/40 Poz 2% gel, 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

15-051-24851-00-00

*NEW*

13-483-2627, Russell, Kansas  
 none 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31      Russell, Kansas 67665

4605

Date	9-4-93	Sec.	8	Twp.	11	Range	19	Called Out	6:30 PM	On Location	7:45 PM	Job Start	9:30 PM	Finish	10:10 PM
Lease	Mick	Well No.	1-8	Location	9S6 1/2 W 15 3 W 2 N 15 1/2 E 1/2 SW				County	ELLI'S		State	KS		
Contractor	Murfin Rig 8				Owner	Murfin Drig Co Inc									
Type Job	Surface														
Hole Size	12 1/4	T.D.	277'												
Csg.	8 5/8	Depth	276												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line	NO	Displace	16 3/4 dls												
Perf.															

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *Murfin Drig Co Inc*  
 Street *250 N Market suite 300*  
 City *Wichita* State *Kan 67202*  
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *X [Signature]*  
**CEMENT**

Amount Ordered	<i>170 sk 60/40 3% cc 29.6 gal</i>		
Consisting of			
Common	<i>102 sks</i>	<i>5.75</i>	<i>586.50</i>
Poz. Mix	<i>68 sks</i>	<i>3.00</i>	<i>204.00</i>
Gel.	<i>3.5 sks</i>	<i>7.00</i>	<i>NC</i>
Chloride	<i>5 sks</i>	<i>25.00</i>	<i>125.00</i>
Quickset			

**EQUIPMENT**

Hays	No.	Cementer	<i>Dean Runda</i>
Pumptrk	<i>277</i>	Helper	
Pumptrk	<i>279</i>	Cementer	
		Helper	<i>Carl Patton</i>
		Driver	<i>Wayne</i>
Bulktrk	<i>282</i>	Driver	

Handling	<i>100</i>	<i>170.00</i>
Mileage	<i>24</i>	<i>.04</i>
Sub Total		<i>1248.70</i>
Total		

**DEPTH of Job**

Reference:	<i>Pump Trk chrg</i>	<i>430.00</i>
	<i>2 25 per mile 24 Miles</i>	<i>54.00</i>
	<i>Surface Plug</i>	<i>42.00</i>
	Sub Total	<i>526.00</i>
	Tax	
	Total	

Floating Equipment

Remarks: *Ran 6 Joints 8 5/8 Csg cement did circulate ✓*

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*Thank you*

83-2627, Russell, Kansas  
 6-793-5861, Great Bend, Kansas

15-051-24851-00-00

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

4376

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	9-12-93	Sec.	8	Twp.	11	Range	19	Called Out		On Location		Job Start	5:15 PM	Finish	8:00 PM
Lease	Mick	Well No.	1-8	Location	Yocemento N to River Rd			County	Ellis	State	KS				
Contractor	Murfin Drtg Riv 8			Owner	3 W 2 N 1 E 3 S E										
Type Job	plug			To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	7 7/8		T.D.	3760											
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

Charge To *Murfin Drtg Co Inc*  
 Street *250 W. Water Suite 300*  
 City *Wichita* State *Kansas*  
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Paul Delt*

**EQUIPMENT**

Pumptrk	No.	Cementor	<i>Dave</i>
	<i>153</i>	Helper	
Pumptrk	No.	Cementor	<i>Bill</i>
		Helper	
Bulktrk		Driver	<i>Bill</i>
	<i>283</i>	Driver	

Amount Ordered *215.60 6% gel 2 flow seal*

Consisting of

Common	<i>129 @ 5.75</i>	<i>741.75</i>
Poz. Mix	<i>86 @ 3.00</i>	<i>258.00</i>
Gel.	<i>8 @ 7.00</i>	<i>56.00</i>
Chloride		
Quickset		
<i>Flow Seal - 2 Seal @ 27.50</i>		<i>55.00</i>
Sales Tax		
Handling	<i>@ 1.00</i>	<i>215.00</i>
Mileage	<i>4 @ 1.50 / mile</i>	<i>215.00</i>
Sub Total		
Total		<i>1580.75</i>

**DEPTH of Job**

Reference:	<i>pump trk chg</i>	<i>430.00</i>
	<i>2.25 per mile</i>	<i>56.25</i>
	<i>plug</i>	<i>21.00</i>
	Sub Total	
	Tax	
	Total	<i>507.25</i>

Remarks:

*25 sk @ 3700*  
*25 @ 1485*  
*100 @ 820*  
*40 @ 320*  
*10 @ 40*      *15 Rod hole*

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 10-6-1993  
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 Wichita, Kansas

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Drill-Stem Test Data

API #15-051-24851-00-00

Well Name MICK #1-8 Test No. 1 Date 9/8/93  
 Company MURFIN DRILLING CO INC Zone TOPEKA  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3139-3162 Drill Pipe Size 4.5" XH  
 Anchor Length 23 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3134 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3139 Mud Wt. 9.7 lb/Gal.  
 Total Depth 3162 Viscosity 43 Filtrate N/A

Tool Open @ 3:52 AM Initial Blow WEAK-BUILDING TO 1.5"

Final Blow WEAK-BUILDING TO 1"

Recovery - Total Feet 70 Flush Tool? NO

Rec. 70 Feet of MUDDY WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 101 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 30000 ppm System

(A) Initial Hydrostatic Mud 1623.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 17.5 PSI @ (depth) 3141 w / Clock No. 27501

(C) First Final Flow Pressure 30.1 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 733.4 PSI @ (depth) 3158 w / Clock No. 27567

(E) Second Initial Flow Pressure 48.6 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 71.2 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

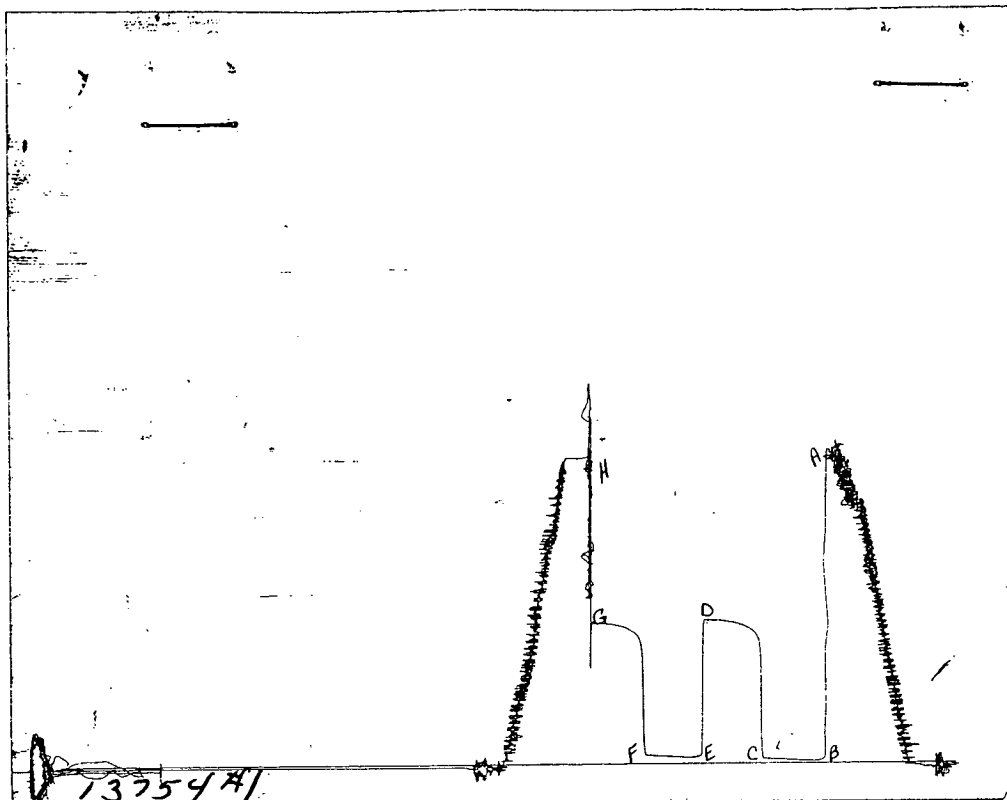
(G) Final Shut-in Pressure 722.5 PSI Initial Opening 45 Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1588.9 PSI Initial Shut-in 45 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

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 10-6-1993  
 CONSERVATION DIVISION  
 Wichita, Kansas

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1626	1623.9
(B) FIRST INITIAL FLOW PRESSURE	19	17.5
(C) FIRST FINAL FLOW PRESSURE	29	30.1
(D) INITIAL CLOSED-IN PRESSURE	729	733.4
(E) SECOND INITIAL FLOW PRESSURE	49	48.6
(F) SECOND FINAL FLOW PRESSURE	68	71.2
(G) FINAL CLOSED-IN PRESSURE	719	722.5
(H) FINAL HYDROSTATIC MUD	1586	1588.9

ORIGINAL

Test Ticket

No 6170

Well Name & No. Mick # 1-8 Test No. 1 Date 9-8-93  
 Company Murfin Drilg. Co, Inc. Zone Tested Topeka  
 Address 250 N. Wtn. Wichita, Ks. 67202 Elevation 2123 K.B.  
 Co. Rep./Geo. Steve Parker Cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies 5? Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3139 - 3162 Drill Pipe Size 4.5 x H  
 Anchor Length 23 Top Choke — 1" \_\_\_\_\_ Bottom Choke — ¼" \_\_\_\_\_  
 Top Packer Depth 3134 Hole Size — 77/8" \_\_\_\_\_ Rubber Size — 63/4" \_\_\_\_\_  
 Bottom Packer Depth 3139 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3162 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.7 lb/gal. Viscosity 43 Filtrate \_\_\_\_\_  
 Tool Open @ 3:52 a.m. Initial Blow Weak - building to 1 1/2"

Final Blow Weak - building to 1"

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
Rec. <u>70</u> Feet Of <u>mdy wtn.</u>	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil
Rec. _____ Feet Of _____	% gas	% oil

BHT 101 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 30,000 ppm System

- (A) Initial Hydrostatic Mud 1626 PSI AK1 Recorder No. 13754 Range 4000
- (B) First Initial Flow Pressure 19 PSI @ (depth) 3141 w/Clock No. 27501
- (C) First Final Flow Pressure 29 PSI AK1 Recorder No. 7437 Range 4200
- (D) Initial Shut-In Pressure 729 PSI @ (depth) 3158 w/Clock No. 27567
- (E) Second Initial Flow Pressure 49 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_
- (F) Second Final Flow Pressure 68 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-In Pressure 719 PSI Initial Opening 45 Test \_\_\_\_\_ 600.00
- (H) Final Hydrostatic Mud 1586 PSI Initial Shut-In 45 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By [Signature]  
 Our Representative Dan Bouffe

Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-In 45 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

15-051-24851-00-00

ORIGINAL

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MICK #1-8 Test No. 2 Date 9/9/93  
 Company MURFIN DRILLING CO INC Zone KS CITY  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3394-3423 Drill Pipe Size 4.5" XH  
 Anchor Length 29 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3389 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3394 Mud Wt. 9.8 lb/Gal.  
 Total Depth 3423 Viscosity 42 Filtrate 8

Tool Open @ 5:05 AM Initial Blow WEAK-BUILDING TO 4"  
 Final Blow WEAK-BUILDING TO 1"

Recovery - Total Feet 135 Flush Tool? NO  
 Rec. 135 Feet of MUDDY WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 106 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 29000 ppm System

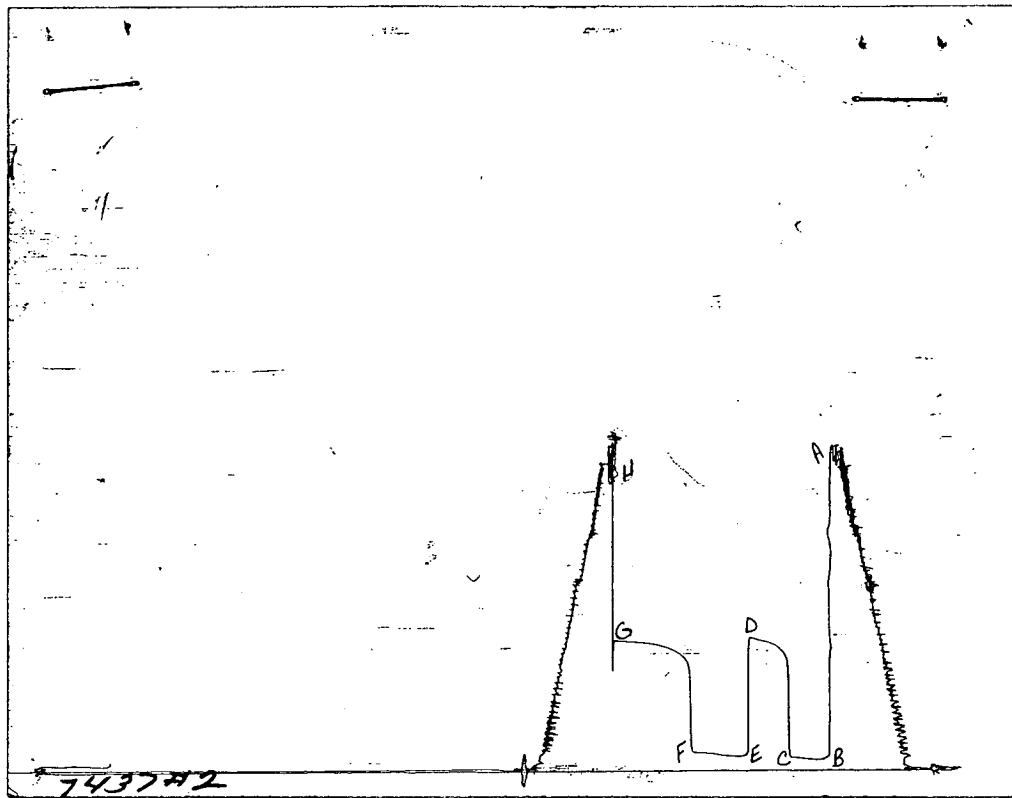
(A) Initial Hydrostatic Mud 1760.9 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 69.1 PSI @ (depth) 3398 w / Clock No. 27501  
 (C) First Final Flow Pressure 90.1 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-in Pressure 748.3 PSI @ (depth) 3419 w / Clock No. 27567  
 (E) Second Initial Flow Pressure 90.1 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 116.9 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 731.4 PSI Initial Opening 30 Final Flow \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1670.8 PSI Initial Shut-in 30 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

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 STATE CORPORATION COMMISSION  
 OCT 06 1993  
 10-6-1993  
 CONSERVATION DIVISION  
 Wichita, Kansas



# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1757	1760.9
(B) FIRST INITIAL FLOW PRESSURE	66	69.1
(C) FIRST FINAL FLOW PRESSURE	88	90.1
(D) INITIAL CLOSED-IN PRESSURE	747	748.3
(E) SECOND INITIAL FLOW PRESSURE	88	90.1
(F) SECOND FINAL FLOW PRESSURE	110	116.9
(G) FINAL CLOSED-IN PRESSURE	726	731.4
(H) FINAL HYDROSTATIC MUD	1673	1670.8

Test Ticket

No 6171

Well Name & No. MICK #1-8 Test No. 2 Date 9-9-93  
 Company Murfin Drilg. Co. Inc. Zone Tested KC  
 Address \_\_\_\_\_ Elevation 2123 K.B.  
 Co. Rep./Geo. Steve Parker Cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies 5? Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3394-3423 Drill Pipe Size 4.5 XH  
 Anchor Length 29 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 3389 Hole Size — 77/8" \_\_\_\_\_ Rubber Size — 63/4" \_\_\_\_\_  
 Bottom Packer Depth 3394 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3423 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.8 lb/gal. Viscosity 42 Filtrate 8  
 Tool Open @ 5:05 a.m. Initial Blow Weak-building to 4"

Final Blow Weak-building to 1"

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>135</u> Feet Of <u>mdy wtr.</u>	%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. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 106 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 29,000 ppm System

- (A) Initial Hydrostatic Mud 1757 PSI AK1 Recorder No. 13754 Range 4000
- (B) First Initial Flow Pressure 66 PSI @ (depth) 3398 w/Clock No. 27501
- (C) First Final Flow Pressure 88 PSI AK1 Recorder No. 7437 Range 4200
- (D) Initial Shut-In Pressure 747 PSI @ (depth) 3419 w/Clock No. 27567
- (E) Second Initial Flow Pressure 88 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_
- (F) Second Final Flow Pressure 110 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-In Pressure 726 PSI Initial Opening 30 Test 600.00
- (H) Final Hydrostatic Mud 1673 PSI Initial Shut-In 30 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-In 60 Straddle \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative Dan Burdette

RECEIVED  
 STATE CORPORATION COMMISSION  
 OCT 06 1993  
 10-6-1993  
 CONSERVATION DIVISION  
 Topeka, Kansas  
 TOTAL PRICE \$ 600.00

ORIGINAL

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MICK #1-8 Test No. 3 Date 9/9/93  
 Company MURFIN DRILLING CO INC Zone KS CITY  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3422-3444 Drill Pipe Size 4.5" XH  
 Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3417 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3422 Mud Wt. 9.5 lb/Gal.  
 Total Depth 3444 Viscosity 49 Filtrate 6.4

Tool Open @ 4:12 PM Initial Blow WEAK-BUILDING TO STRONG-BOTTOM OF BUCKET IN 16 MINUTES

Final Blow WEAK-BUILDING TO STRONG-BOTTOM OF BUCKET IN 58 MINUTES

Recovery - Total Feet 480 Flush Tool? NO

Rec. 480 Feet of WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 105 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.06 @ 68 °F Chlorides 160000 ppm Recovery Chlorides 24000 ppm System

(A) Initial Hydrostatic Mud 1744.3 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 61.2 PSI @ (depth) 3426 w / Clock No. 27501

(C) First Final Flow Pressure 124.7 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 764.8 PSI @ (depth) 3440 w / Clock No. 19960

(E) Second Initial Flow Pressure 135.9 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 244.7 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

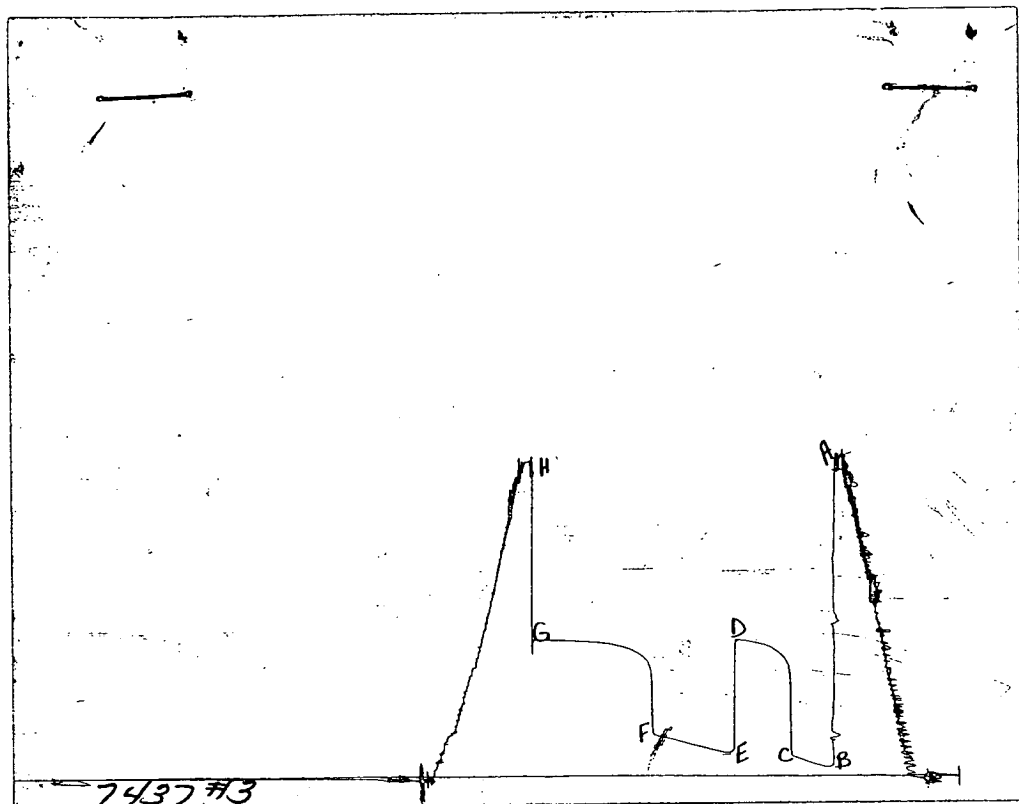
(G) Final Shut-in Pressure 733.4 PSI Initial Opening 30 Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1711.4 PSI Initial Shut-in 45 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

RECEIVED  
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 10-6-1993  
 OCT 06 1993  
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 Wichita, Kansas

# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1746	1744.3
(B) FIRST INITIAL FLOW PRESSURE	55	61.2
(C) FIRST FINAL FLOW PRESSURE	121	124.7
(D) INITIAL CLOSED-IN PRESSURE	757	764.8
(E) SECOND INITIAL FLOW PRESSURE	132	135.9
(F) SECOND FINAL FLOW PRESSURE	242	244.7
(G) FINAL CLOSED-IN PRESSURE	736	733.4
(H) FINAL HYDROSTATIC MUD	1704	1711.4

ORIGINAL  
 No 6172

Test Ticket

Well Name & No. MICK #1-8 Test No. 3 Date 9-9-93  
 Company Murfin Drilg. Co. Inc. Zone Tested KC  
 Address \_\_\_\_\_ Elevation 2123 K.B.  
 Co. Rep./Geo. Steve Parker Cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3422 - 3444 Drill Pipe Size 4.5 X H  
 Anchor Length 22 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3417 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3422 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3444 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.5 lb/gal. Viscosity 49 Filtrate 6.4  
 Tool Open @ 4:12 p.m. Initial Blow Weak - building to strong BOB  
in 16 min.  
 Final Blow Weak - building to strong BOB in 58 min.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?			
Rec. <u>480</u>	Feet Of <u>WTP.</u>	%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. _____	Feet Of _____	%gas	%oil	%water	%mud

BHT 105 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 106 @ 68 °F Chlorides 169000 ppm Recovery Chlorides 24000 ppm System  
 (A) Initial Hydrostatic Mud 1746 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 55 PSI @ (depth) 3426 w/Clock No. 27501  
 (C) First Final Flow Pressure 121 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-In Pressure 757 PSI @ (depth) 3440 w/Clock No. 19960  
 (E) Second Initial Flow Pressure 132 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 242 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 736 PSI Initial Opening 30 Test X 600.00  
 (H) Final Hydrostatic Mud 1704 PSI Initial Shut-In 45 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Final Flow 60 Safety Joint \_\_\_\_\_  
 Final Shut-In 90 Straddle \_\_\_\_\_

Approved By [Signature]  
 Our Representative Dan Bunge

RECEIVED  
 STATE CORPORATION COMMISSION  
 10-6-1993  
 OCT 06 1993  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 TOTAL PRICE \$ \_\_\_\_\_

15-051-24851-00-00

# TRILOBITE TESTING, L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MICK #1-8 Test No. 4 Date 9/10/93  
 Company MURFIN DRILLING CO INC Zone KS CITY  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3442-3466 Drill Pipe Size 4.5" XH  
 Anchor Length 24 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3437 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3442 Mud Wt. 9.5 lb/Gal.  
 Total Depth 3466 Viscosity 49 Filtrate 6.4

Tool Open @ 5:40 AM Initial Blow WEAK-BUILDING TO STRONG-BOTTOM OF BUCKET IN 15 MINUTES

Final Blow WEAK-BUILDING TO STRONG-BOTTOM OF BUCKET IN 55 MINUTES

Recovery - Total Feet 555 Flush Tool? NO

Rec. 555 Feet of WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 107 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.06 @ 66 °F Chlorides 170000 ppm Recovery Chlorides 24000 ppm System

(A) Initial Hydrostatic Mud 1831.4 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 48.6 PSI @ (depth) 3446 w / Clock No. 27501

(C) First Final Flow Pressure 114.7 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 764.8 PSI @ (depth) 3462 w / Clock No. 19960

(E) Second Initial Flow Pressure 142.3 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 288.9 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 748.3 PSI Initial Opening 30 Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1744.3 PSI Initial Shut-in 45 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

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 10-6-1993  
 OCT 06 1993  
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 Wichita, Kansas

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1826	1831.4
(B) FIRST INITIAL FLOW PRESSURE	49	48.6
(C) FIRST FINAL FLOW PRESSURE	108	114.7
(D) INITIAL CLOSED-IN PRESSURE	758	764.8
(E) SECOND INITIAL FLOW PRESSURE	137	142.3
(F) SECOND FINAL FLOW PRESSURE	285	288.9
(G) FINAL CLOSED-IN PRESSURE	749	748.3
(H) FINAL HYDROSTATIC MUD	1726	1744.3

ORIGINAL

Test Ticket

No 6173

Well Name & No. mick #1-8 Test No. 4 Date 9-10-93  
 Company Murfin Drilg. Co. Inc. Zone Tested KC  
 Address \_\_\_\_\_ Elevation 2123 K.B  
 Co. Rep./Geo. Steve Parker cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3442 - 3466 Drill Pipe Size 4.5 X H  
 Anchor Length 24 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3437 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3442 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3466 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.05 lb/gal. Viscosity 49 Filtrate 6.4  
 Tool Open @ 5:40 a.m. Initial Blow Weak-building to strong B.O.B in 15 min.  
 Final Blow Weak-building to strong B.O.B in 55 min.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?			
Rec. <u>555</u> Feet Of <u>WTA.</u>		%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. _____ Feet Of _____		%gas	%oil	%water	%mud

BHT 107 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .06 @ 66 °F Chlorides 179,000 ppm Recovery Chlorides 24,000 ppm System  
 (A) Initial Hydrostatic Mud 1826 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 49 PSI @ (depth) 3446 w/Clock No. 27501  
 (C) First Final Flow Pressure 108 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-in Pressure 758 PSI @ (depth) 3462 w/Clock No. 19960  
 (E) Second Initial Flow Pressure 137 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 285 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 749 PSI Initial Opening 30 Test 600.00  
 (H) Final Hydrostatic Mud 1726 PSI Initial Shut-in 45 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Approved By [Signature]  
 Our Representative Dan Banoff

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 10-6-1993  
 OCT 06 1993  
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 Wichita, Kansas  
 TOTAL PRICE \$ \_\_\_\_\_



15-051-24851-00-00

# TRILOBITE TESTING, L.L.C.

ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MICK #1-8 Test No. 5 Date 9/10/93  
 Company MURFIN DRILLING CO INC Zone KS CITY  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3472-3485 Drill Pipe Size 4.5" XH  
 Anchor Length 13 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3467 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3472 Mud Wt. 9.5 lb/Gal.  
 Total Depth 3485 Viscosity 42 Filtrate 8

Tool Open @ 7:55 PM Initial Blow WEAK-BUILDING TO 6" FAIR BLOW  
HIT BRIDGE @3175'  
 Final Blow WEAK-BUILDING TO 8" FAIR BLOW

Recovery - Total Feet 310 Flush Tool? NO  
 Rec. 310 Feet of WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

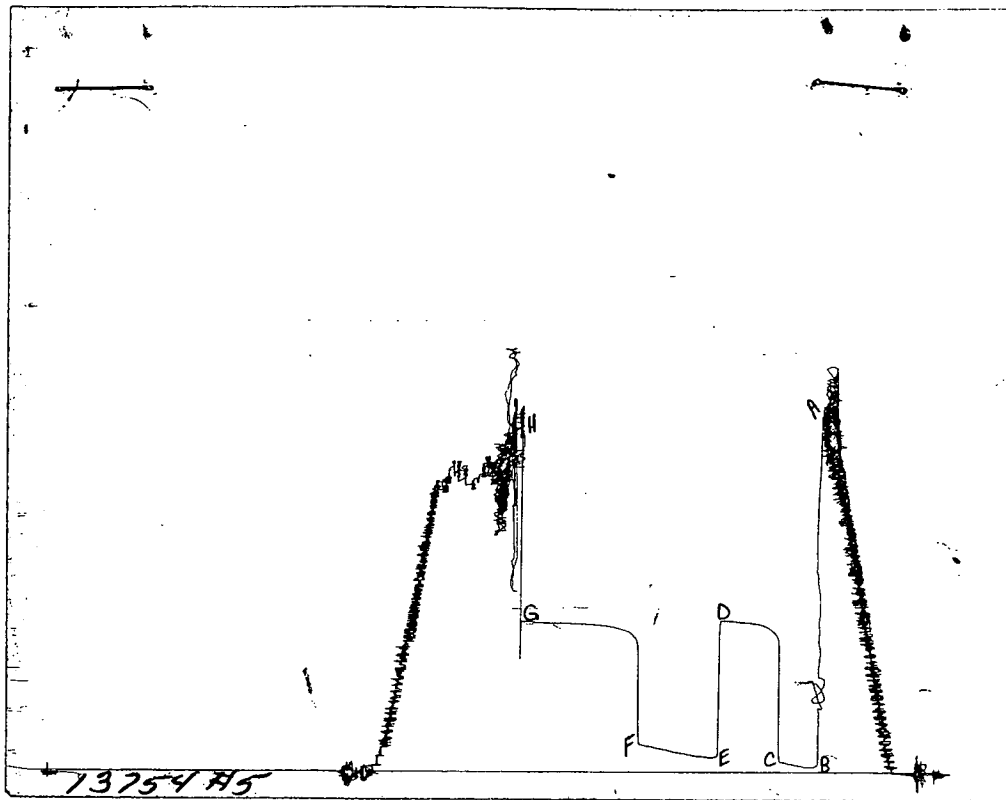
BHT 107 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.06 @ 62.3 °F Chlorides 150000 ppm Recovery Chlorides 27000 ppm System

(A) Initial Hydrostatic Mud 2011.3 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 30.1 PSI @ (depth) 3476 w / Clock No. 27501  
 (C) First Final Flow Pressure 61.2 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-in Pressure 770.6 PSI @ (depth) 3481 w / Clock No. 19960  
 (E) Second Initial Flow Pressure 82.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 146.9 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 764.8 PSI Initial Opening 30 Final Flow 60  
 (H) Final Hydrostatic Mud 1844.7 PSI Initial Shut-in 45 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

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 Wichita, Kansas

# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2006	2011.3
(B) FIRST INITIAL FLOW PRESSURE	29	30.1
(C) FIRST FINAL FLOW PRESSURE	59	61.2
(D) INITIAL CLOSED-IN PRESSURE	768	770.6
(E) SECOND INITIAL FLOW PRESSURE	78	82.4
(F) SECOND FINAL FLOW PRESSURE	147	146.9
(G) FINAL CLOSED-IN PRESSURE	758	764.8
(H) FINAL HYDROSTATIC MUD	1836	1844.7

# TRILOBITE TESTING L.L.C.

15-051-24851-00-00

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Test Ticket

No 6174

Well Name & No. Mick #1-8 Test No. 5 Date 9-10-93  
 Company Murfin Drilg Co. Inc. Zone Tested KC G'  
 Address \_\_\_\_\_ Elevation 2123 K.B  
 Co. Rep./Geo. Steve Parker Cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3472-3485 Drill Pipe Size 4.5 XH  
 Anchor Length 13 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3467 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3472 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3485 Drill Collar — 2.25 Ft. Run \_\_\_\_\_

Mud Wt. 9.5 lb/gal. Viscosity 42 Filtrate 8

Tool Open @ 7:55 p.m. Initial Blow Weak - building to 6" fair blow  
Hit bridge @ 3175  
 Final Blow Weak - building to 8" fair blow.

Recovery — Total Feet 310 Feet of Gas In Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>310</u>	<u>WTC</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

BHT 107 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 1.06 @ 62.3 °F Chlorides 150,000 ppm Recovery Chlorides 27,000 ppm System

(A) Initial Hydrostatic Mud 2006 PSI AK1 Recorder No. 13754 Range 4000  
 (B) First Initial Flow Pressure 29 PSI @ (depth) 3426 w/Clock No. 27501  
 (C) First Final Flow Pressure 59 PSI AK1 Recorder No. 7437 Range 4200  
 (D) Initial Shut-In Pressure 768 PSI @ (depth) 3481 w/Clock No. 19960  
 (E) Second Initial Flow Pressure 78 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 147 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 758 PSI Initial Opening 30 Test 600.00  
 (H) Final Hydrostatic Mud 1836 PSI Initial Shut-In 45 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Final Flow 60 Safety Joint \_\_\_\_\_  
 Final Shut-In 90 Straddle \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Dan Banoff

Printcraft Printers - Hays, KS

Other \_\_\_\_\_  
 TOTAL PRICE \$ 600.00

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 Wichita, Kansas

15-051-24851-00-00

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MICK #1-8 Test No. 6 Date 9/11/93  
 Company MURFIN DRILLING CO INC Zone KC-"H-I-J"  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2123  
 Co. Rep./Geo. STEVE PARKER Cont. MURFIN RIG #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3496-3590 Drill Pipe Size 4.5" XH  
 Anchor Length 94 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 3491 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 3496 Mud Wt. 9.7 lb/Gal.  
 Total Depth 3590 Viscosity 41 Filtrate 8.8

Tool Open @ 2:40 PM Initial Blow WEAK-DIED IN 10 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 25 Flush Tool? NO

Rec. 25 Feet of DRILLING MUD  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 109 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 31000 ppm System

(A) Initial Hydrostatic Mud 1911.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 90.1 PSI @ (depth) 3500 w / Clock No. 27567

(C) First Final Flow Pressure 90.1 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 822.3 PSI @ (depth) 3586 w / Clock No. 19960

(E) Second Initial Flow Pressure 90.1 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 90.1 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

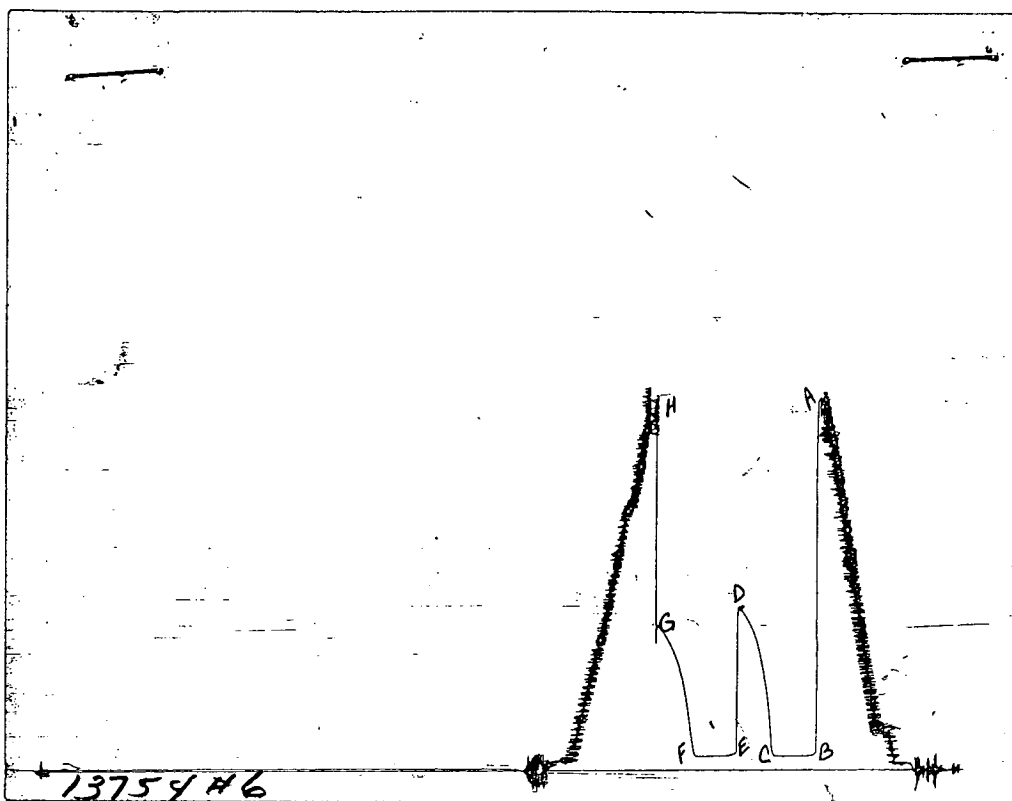
(G) Final Shut-in Pressure 722.5 PSI Initial Opening 30 Final Flow \_\_\_\_\_

(H) Final Hydrostatic Mud 1893.1 PSI Initial Shut-in 30 Final Shut-in \_\_\_\_\_

Our Representative DAN BANGLE

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 Wichita, Kansas  
**OCT 16 1993**  
 CONSERVATION DIVISION  
 Wichita, Kansas

# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1906	1911.2
(B) FIRST INITIAL FLOW PRESSURE	88	90.1
(C) FIRST FINAL FLOW PRESSURE	88	90.1
(D) INITIAL CLOSED-IN PRESSURE	818	822.3
(E) SECOND INITIAL FLOW PRESSURE	88	90.1
(F) SECOND FINAL FLOW PRESSURE	88	90.1
(G) FINAL CLOSED-IN PRESSURE	719	722.5
(H) FINAL HYDROSTATIC MUD	1886	1893.1

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-051-24851-00-00

## Test Ticket

No 6175

Well Name & No. Mick # 1-8 Test No. 6 Date 9-11-93  
 Company Murfin Drilg. Co. Inc. Zone Tested H-I-J  
 Address \_\_\_\_\_ Elevation 2123 K.B.  
 Co. Rep./Geo. Steve Parker cont. Murfin #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 8 Twp. 11 Rge. 19 Co. Ellis State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3496-3590 Drill Pipe Size 4.5 XH  
 Anchor Length 94 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3491 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3496 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 3590 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.7 lb/gal. Viscosity 41 Filtrate 8.8  
 Tool Open @ 2:40 p.m. Initial Blow Weak - Died in 10 min.

Final Blow No blow.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?			
Rec. <u>25</u> Feet Of <u>D.M.</u>		% 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. _____ Feet Of _____		% gas	% oil	% water	% mud

BHT 109 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 31,000 ppm System

- (A) Initial Hydrostatic Mud 1906 PSI Ak1 Recorder No. 13754 Range 4000
- (B) First Initial Flow Pressure 90.1 88 PSI @ (depth) 3500 w/Clock No. 27567
- (C) First Final Flow Pressure 88 PSI AK1 Recorder No. 7437 Range 4200
- (D) Initial Shut-In Pressure 818 PSI @ (depth) 3586 w/Clock No. 19960
- (E) Second Initial Flow Pressure 88 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_
- (F) Second Final Flow Pressure 88 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-In Pressure 722.5 719 PSI Initial Opening 30 Test 600.00
- (H) Final Hydrostatic Mud 1886 PSI Initial Shut-In 30 Jars \_\_\_\_\_

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE 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.

Final Flow 30 Safety Joint \_\_\_\_\_  
Final Shut-In 30 Straddle \_\_\_\_\_

Approved By \_\_\_\_\_  
Our Representative Don Bonafe

Printcraft Printers - Hays, KS

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Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_