



# DRILL STEM TEST REPORT

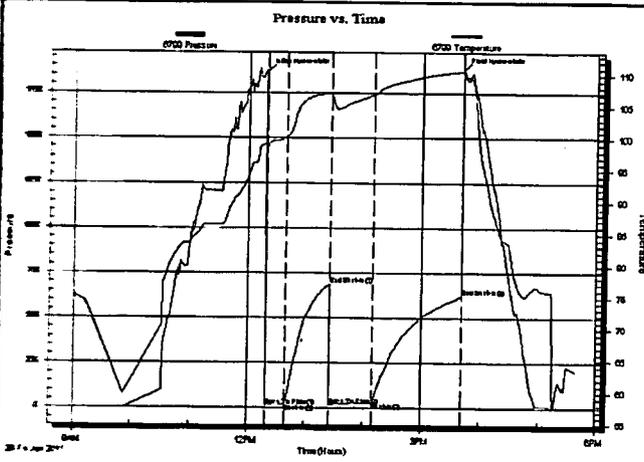
G&T Petro. Consulting & Mgt. Morris Trust #1  
 P.O. Box 8 14-24w14sStafford KS  
 McCracken, KS 67556 Job Ticket: 41380 DST#: 1  
 ATTN: Jim Rutherford Test Start: 2011.01.28 @ 09:00:00

## GENERAL INFORMATION:

**Location:** Kansas City I-J  
**Well:** No Whipstock ft (KB)  
**Test Type:** Conventional Bottom Hole  
**Test Started:** 12:19:30 **Tester:** Jake Fahrenbruch  
**Test Ended:** 17:40:00 **Unit No:** 43  
**Interval:** 3770.00 ft (KB) To 3795.00 ft (KB) (TVD) **Reference Elevations:** 1955.00 ft (KB)  
**Total Depth:** 3795.00 ft (KB) (TVD) **1948.00 ft (CF)**  
**Well Diameter:** 7.88 inches **Hole Condition:** Good **KB to GR/CF:** 7.00 ft

**Serial #:** 6799 **Outside**  
**Pressure/Run Depth:** 33.76 psig @ 3771.00 ft (KB) **Capacity:** 8000.00 psig  
**Start Date:** 2011.01.28 **End Date:** 2011.01.28 **Last Calib.:** 2011.01.28  
**Start Time:** 09:00:05 **End Time:** 17:40:00 **Time On Btm:** 2011.01.28 @ 12:18:45  
**Time Off Btm:** 2011.01.28 @ 15:41:30

**TEST COMMENT:** IF: Strong blow, BOB 3 minutes 40 seconds.  
 IS: Bled off, no blow back.  
 FF: Strong blow, BOB 5 minutes.  
 FST: Bled off, no blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.90	99.24	Initial Hydro-static
1	14.46	98.74	Open To Flow (1)
21	20.92	100.31	Shut-In(1)
67	686.09	107.20	End Shut-In(1)
67	18.56	106.78	Open To Flow (2)
111	33.76	106.96	Shut-In(2)
203	621.84	110.55	End Shut-In(2)
203	1877.89	110.98	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	HGCMMO 25%g 15%m 28%w 37%o	0.91
0.00	600' GIP	0.00

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

G&T Petro. Consulting & Mgt.

Morris Trust #1

P.O. Box 8  
McCracken, KS 67556

14-24w14sStafford KS

Job Ticket: 41380

DST#: 1

ATTN: Jim Rutherford

Test Start: 2011.01.28 @ 09:00:00

### Tool Information

Drill Pipe:	Length: 3774.00 ft	Diameter: 3.80 inches	Volume: 52.94 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 52.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3770.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3747.00	
Hydraulic tool	5.00			3752.00	
Jars	5.00			3757.00	
Safety Joint	3.00			3760.00	
Packer	5.00			3765.00	28.00 Bottom Of Top Packer
Packer	5.00			3770.00	
Stubb	1.00			3771.00	
Recorder	0.00	8648	Inside	3771.00	
Recorder	0.00	6799	Outside	3771.00	
Perforations	19.00			3790.00	
Bullnose	5.00			3795.00	25.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>53.00</b>			



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

G&T Petro. Consulting & Mgt.

**Morris Trust #1**

P.O. Box 8  
McCracken, KS 67556

**14-24w14sStafford KS**

ATTN: Jim Rutherford

Job Ticket: 41381 **DST#: 2**

Test Start: 2011.01.29 @ 01:15:00

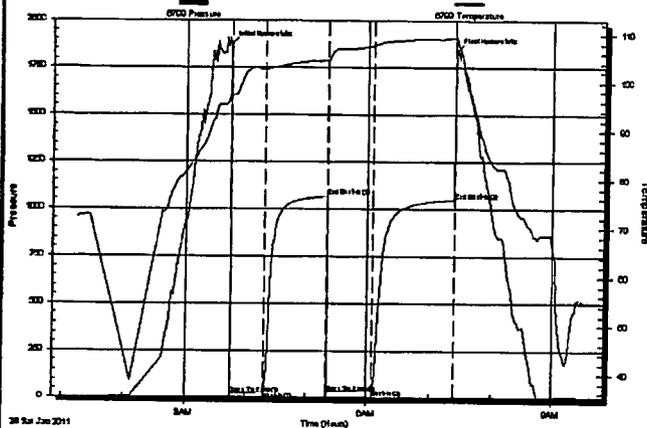
## GENERAL INFORMATION:

Formation: **KANSAS CITY**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:44:45 Test Type: Conventional Bottom Hole  
 Time Test Ended: 09:26:15 Tester: Jake Fahrenbruch  
 Unit No: 43  
 Interval: 3797.00 ft (KB) To 3825.00 ft (KB) (TVD) Reference Elevations: 1955.00 ft (KB)  
 Total Depth: 3825.00 ft (KB) (TVD) 1948.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 6799 Outside  
 Press@RunDepth: 41.05 psig @ 3798.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.01.29 End Date: 2011.01.29 Last Calib.: 2011.01.29  
 Start Time: 01:15:05 End Time: 09:26:14 Time On Btm: 2011.01.29 @ 03:44:15  
 Time Off Btm: 2011.01.29 @ 07:24:15

**TEST COMMENT:** IF: Weak blow, built to 3.5"  
 IS: No blow back.  
 FF: Weak blow, built to 3"  
 FS: No blow back.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.97	97.66	Initial Hydro-static
1	17.18	97.20	Open To Flow (1)
34	27.07	102.77	Shut-In(1)
96	1065.64	104.68	End Shut-In(1)
97	28.63	104.37	Open To Flow (2)
141	41.05	107.73	Shut-In(2)
220	1048.87	109.23	End Shut-In(2)
220	1838.56	109.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	MCW 15% m 85% w	0.21
10.00	Heavy mud 100% m	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

G&T Petro. Consulting & Mgt.

**Morris Trust #1**

P.O. Box 8  
McCracken, KS 67556

**14-24w14sStafford KS**

Job Ticket: 41381

**DST#: 2**

ATTN: Jim Rutherford

Test Start: 2011.01.29 @ 01:15:00

**Tool Information**

Drill Pipe:	Length: 3774.00 ft	Diameter: 3.80 inches	Volume: 52.94 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 52.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3797.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description      Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Shut in Tool	5.00			3774.00	
Hydraulic tool	5.00			3779.00	
Jars	5.00			3784.00	
Safety Joint	3.00			3787.00	
Packer	5.00			3792.00	28.00      Bottom Of Top Packer
Packer	5.00			3797.00	
Stubb	1.00			3798.00	
Recorder	0.00	8648	Inside	3798.00	
Recorder	0.00	6799	Outside	3798.00	
Perforations	22.00			3820.00	
Bullnose	5.00			3825.00	28.00      Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

G&T Petro. Consulting & Mgt.

P.O. Box 8  
McCracken, KS 67556

ATTN: Jim Rutherford

**Morris Trust #1**

**14-24w14sStafford KS**

Job Ticket: 41382      DST#: 3

Test Start: 2011.01.30 @ 08:36:00

### GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 11:09:15  
Time Test Ended: 16:56:00

Test Type: **Conventional Bottom Hole**  
Tester: **Jake Fahrenbruch**  
Unit No: **43**

Interval: **4005.00 ft (KB) To 4030.00 ft (KB) (TVD)**  
Total Depth: **4030.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1955.00 ft (KB)**  
**1948.00 ft (CF)**  
KB to GR/CF: **7.00 ft**

**Serial #: 6799**

**Outside**

Press@RunDepth: **14.89 psig @ 4006.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.01.30**

End Date:

**2011.01.30**

Last Calib.:

**2011.01.30**

Start Time: **08:36:05**

End Time:

**16:55:59**

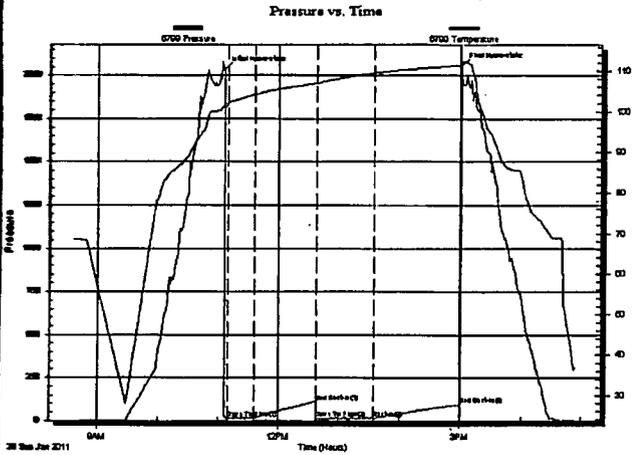
Time On Btm:

**2011.01.30 @ 11:05:30**

Time Off Btm:

**2011.01.30 @ 15:01:00**

**TEST COMMENT:** IF: Weak blow, built to 5".  
IS: Bled off, no blow back.  
FF: Weak blow, 3" immediately, building to 6".  
FS: Bled off, no blow back.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.58	101.41	Initial Hydro-static
4	12.61	102.06	Open To Flow (1)
31	15.87	104.11	Shut-in(1)
92	112.67	106.93	End Shut-in(1)
93	12.76	106.86	Open To Flow (2)
150	14.89	109.46	Shut-in(2)
235	95.55	111.41	End Shut-in(2)
236	2055.75	112.46	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOSM 1%o 99%m	0.28

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

G&T Petro. Consulting & Mgt.

**Morris Trust #1**

P.O. Box 8  
McCracken, KS 67556

**14-24w14sStafford KS**

Job Ticket: 41382

**DST#: 3**

ATTN: Jim Rutherford

Test Start: 2011.01.30 @ 08:36:00

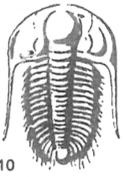
**Tool Information**

Drill Pipe:	Length: 3992.00 ft	Diameter: 3.80 inches	Volume: 56.00 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 56.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4005.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Jars	5.00			3992.00	
Safety Joint	3.00			3995.00	
Packer	5.00			4000.00	28.00 Bottom Of Top Packer
Packer	5.00			4005.00	
Stubb	1.00			4006.00	
Recorder	0.00	8648	Inside	4006.00	
Recorder	0.00	6799	Outside	4006.00	
Perforations	19.00			4025.00	
Bullnose	5.00			4030.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

FEB 02 2011

NO. 041380 15339

Well Name & No. MORRIS TRUST #1 Test No. ONE Date 28 JANUARY, 2011  
 Company G&T PETROLEUM CONSULTING & MANAGEMENT Elevation 1955 KB 1948 GL  
 Address P.O. Box 8, McCracken, Kansas, 67556  
 Co. Rep / Geo. JIM RUTHERFORD Rig HD DRILG. LLC., REC #3  
 Location: Sec. 14 Twp. 243 Rge. 14 W Co. STAFFORD State KANSAS

Interval Tested 3770 - 3795 Zone Tested KANSAS CITY "I & J"  
 Anchor Length 25 Drill Pipe Run 3774' (4 1/2" x 16") Mud Wt. 9.4  
 Top Packer Depth 3765 Drill Collars Run NONE Vis 45  
 Bottom Packer Depth 3770 Wt. Pipe Run NONE WL 10.8  
 Total Depth 3795 Chlorides 8,200 ppm System LCM 1"  
 Blow Description IF: STRONG BLOW, BUILT TO B.O.B IN 3 MINUTES 40 SECONDS.  
ISI: BLED OFF, NO BLOWBACK.  
FF: STRONG BLOW, BUILT TO B.O.B IN 5 MINUTES.  
FBI: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>FEET OF HGC MWO</u>	<u>25</u>	<u>37</u>	<u>28</u>	<u>15</u>
<u>-</u>	<u>FEET OF 600' G.I.P.</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 111°F Gravity NC API RW - @ - °F Chlorides 46,000 ppm

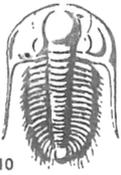
(A) Initial Hydrostatic <u>1867</u>	<input checked="" type="checkbox"/> Test <u>\$1,125.00</u>	T-On Location <u>0900</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>0900</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>1219</u>
(D) Initial Shut-In <u>686</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHARGE</u>	T-Pulled <u>1541</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1730</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>50 R.T. = \$62.50</u>	Comments
(G) Final Shut-In <u>622</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1878</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>20</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1512.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1512.50</u>	

Approved By [Signature]

Our Representative [Signature]

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.

620.770.9479 OR 785.650.7709 THANKS



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

FEB 02 2011

NO. 041381

Well Name & No. MORRIS TRUST #1 Test No. TWO Date 29 JANUARY 2011  
 Company GIT PETROLEUM CONSULTING & MANAGEMENT Elevation 1955 KB 1948 GL  
 Address P.O. Box 8, McCRACKEN, KANSAS, 67556  
 Co. Rep / Geo. JIM RUTHERFORD Rig HD DRILLING, RIG #3  
 Location: Sec. 14 Twp. 24N Rge. 14S Co. STAFFORD State KANSAS

Interval Tested 3797 - 3825 Zone Tested KANSAS CITY  
 Anchor Length 28 Drill Pipe Run 3774 (4 1/2 x 16") Mud Wt. 9.4  
 Top Packer Depth 3792 Drill Collars Run NONE Vis 45  
 Bottom Packer Depth 3797 Wt. Pipe Run NONE Wt 10.8  
 Total Depth 3825 Chlorides 8200 ppm System LCM 1\*  
 Blow Description IF: WEAK BLOW, BUILT TO 3 1/2"  
ISI: NO BLOWBACK.  
FF: WEAK BLOW, BUILT TO 3"  
FSI: NO BLOWBACK.

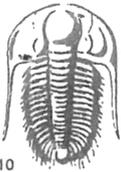
Rec	Feet of	%gas	%oil	%water	%mud
15	Feet of <u>MCW</u>		<u>85</u>	<u>15</u>	
10	Feet of <u>HEAVY MUD</u>			<u>100</u>	
	Feet of				
	Feet of				
	Feet of				

Rec Total 25 BHT 109°F Gravity NA API RW --- @ --- F Chlorides 38,000 ppm  
 (A) Initial Hydrostatic 1874  Test \$1,125.00 T-On Location 0115  
 (B) First Initial Flow 17  Jars \$250.00 T-Started 0115  
 (C) First Final Flow 27  Safety Joint 375.00 T-Open 0344  
 (D) Initial Shut-In 1066  Circ Sub NO CHARGE T-Pulled 0723  
 (E) Second Initial Flow 29  Hourly Standby \_\_\_\_\_ T-Out 0915  
 (F) Second Final Flow 41  Mileage 50 RT. = \$62.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1049  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1839  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 60  Day Standby \_\_\_\_\_ Total 1512.50  
 Final Flow 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60 Sub Total 1512.50

Approved By [Signature] Our Representative [Signature]

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.

620.770.9479 OR 785.650.7709 THANKS



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

FEB 02 2011

NO. 041382

Well Name & No. MORRIS TRUST #1 Test No. THREE Date 30 JANUARY, 2011  
 Company GAT PETROLEUM CONSULTING & MANAGEMENT Elevation 1955 KB 1948 GL  
 Address P.O. Box 8, McCRACKEN, KANSAS, 67556  
 Co. Rep / Geo. JIM RUTHERFORD Rig HO DRILLING, RIG #3  
 Location: Sec. 14 Twp. 24W Rge. 14s Co. STAFFORD State KANSAS

Interval Tested 4005 - 4030 Zone Tested MISSISSIPPIAN  
 Anchor Length 25 Drill Pipe Run 3992' (4 1/2" x 16 #) Mud Wt. 9.6  
 Top Packer Depth 4000 Drill Collars Run NONE Vis 52  
 Bottom Packer Depth 4005 Wt. Pipe Run NONE WL 9.6  
 Total Depth 4030 Chlorides 9,600 ppm System LCM 0#

Blow Description IF: WEAK BLOW, BUILT TO 5" IN BUCKET.  
IST: BLED OFF, NO BLOWBACK.  
FF: WEAK BLOW, 3" IMMEDIATELY, BUILDING TO 6"  
FSL: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>SOSM</u>	<u>1</u>		<u>99</u>	
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 20 BHT 111°F Gravity NC API RW — @ — °F Chlorides NC ppm

(A) Initial Hydrostatic <u>2037</u>	<input checked="" type="checkbox"/> Test <u>\$1,225.00</u>	T-On Location <u>0815</u>
(B) First Initial Flow <u>13</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>0836</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>1105</u>
(D) Initial Shut-In <u>113</u>	<input checked="" type="checkbox"/> Circ Sub <u>NO CHARGE</u>	T-Pulled <u>1500</u>
(E) Second Initial Flow <u>13</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0455</u>
(F) Second Final Flow <u>15</u>	<input checked="" type="checkbox"/> Mileage <u>50 R.T. = \$62.50</u>	Comments
(G) Final Shut-In <u>96</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2056</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Ruined Packer  
 Extra Copies  
 Sub Total 8  
 Total 1612.50  
 MP/DST Disc't

Sub Total 1612.50

Approved By [Signature]

Our Representative [Signature]

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620.770.9479 or 785.650.7709