

# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
SEP 14 2011

## Test Ticket

NO. 44607 16307

4/10

BY: \_\_\_\_\_

Well Name & No. Denison 2-10 Test No. 1 Date 9/10/11  
 Company Cholla Production, LLC Elevation 2288 KB 2283 GL  
 Address 7851 S ELATI ST STE 201 Littleton CO 80120  
 Co. Rep / Geo. Bill Goff Rig W.W #6  
 Location: Sec. 10 Twp. 11s Rge. 23w Co. Trego State KS

Interval Tested 3496 - 3550 Zone Tested LKCA''  
 Anchor Length 54 Drill Pipe Run \_\_\_\_\_ Mud Wt. 8.9  
 Top Packer Depth 3491 Drill Collars Run 124 Vis 57  
 Bottom Packer Depth 3496 Wt. Pipe Run \_\_\_\_\_ WL 6.4  
 Total Depth 3550 Chlorides 2,000 ppm System LCM 2#  
 Blow Description IF - Very weak surface blow 1/8 in  
ISI - No blow  
FF - No blow  
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</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 15 BHT 105 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1,693</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>16:30</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>17:45</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>21:40</u>
(D) Initial Shut-In <u>606</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:40</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:15</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>43x2</u> <u>20RT 120.40</u>	Comments _____
(G) Final Shut-In <u>374</u>	<input checked="" type="checkbox"/> Sampler <u>250'</u>	
(H) Final Hydrostatic <u>1,673</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1820.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1820.40</u>	

Approved By \_\_\_\_\_ Our Representative Butt D...

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.



# TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 44607 Date 9/10/11  
 Company Name Cholla Production, LLC  
 Lease Denison #2-10 Test No. 1  
 County Trego Sec. 10 Twp. 11s Rng. 23w

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil \_\_\_\_\_ ML  
 Mud 3000 ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure 90 PSIA ~~MB~~  
 Total 3000 ML

### PIT MUD ANALYSIS

Chlorides 2,000 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 57  
 Mud Weight 8.9  
 Filtrate 6.4  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

#### TOP

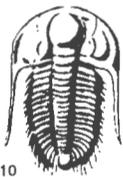
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.



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## Test Ticket

NO. 44608

4/10

BY: \_\_\_\_\_

Well Name & No. Denson 2-10 Test No. 2 Date 9/11/11

Company Chella Production, LLC Elevation 2288 KB 2283 GL

Address 7851 S Elati ST STE 201 Littleton CO 80120

Co. Rep / Geo. Bill Goff Rig WW #6

Location: Sec. 10 Twp. 11s Rge. 23w Co. Trego State KS

Interval Tested 3556 - 3580 Zone Tested LAC<sup>c</sup>"

Anchor Length 24 Drill Pipe Run \_\_\_\_\_ Mud Wt. 8.9

Top Packer Depth 3551 Drill Collars Run 124 Vis 57

Bottom Packer Depth 3556 Wt. Pipe Run \_\_\_\_\_ WL 6.4

Total Depth 3580 Chlorides 2,000 ppm System LCM 2#

Blow Description IF - 3/4 in blow

ISI - No blow

FF - Very weak surface blow

FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>MCW</u>			<u>70%</u>	<u>30</u>
<u>30</u>	<u>Mud</u>				
____	____				
____	____				
____	____				

Rec Total 65 BHT 107 Gravity \_\_\_\_\_ API RW 0.15 @ 85 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1,727  Test 1125' T-On Location 7:00

(B) First Initial Flow 19  Jars 250' T-Started 7:00

(C) First Final Flow 26  Safety Joint 75' T-Open 9:02

(D) Initial Shut-In 1,212  Circ Sub \_\_\_\_\_ T-Pulled 11:42

(E) Second Initial Flow 33  Hourly Standby \_\_\_\_\_ T-Out 13:20

(F) Second Final Flow 48  Mileage 43 x 2 86 RT 120.40 Comments \_\_\_\_\_

(G) Final Shut-In 1,222  Sampler 250' \_\_\_\_\_

(H) Final Hydrostatic 1,704  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 10  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0

Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1820.40

Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Sub Total 1820.40

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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# TRILOBITE TESTING, INC.

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## FLUID SAMPLER DATA

Ticket No. 44608 Date 9/11/11  
 Company Name Cholla Production, LLC  
 Lease Penison 2-10 Test No. 2  
 County Trego Sec. 10 Twp. 11S Rng. 23W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil \_\_\_\_\_ ML  
 Mud 1000 ML  
 Water 2000 ML  
 Other \_\_\_\_\_ ML  
 Pressure \_\_\_\_\_ 225 PSI ML  
 Total 3000 ML

### PIT MUD ANALYSIS

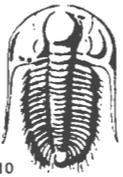
Chlorides 2,000 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 57  
 Mud Weight 8.9  
 Filtrate 6.4  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity .15 ohms @ 85 F  
 Chlorides 40,000 ppm.  
 Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

**TOP**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**MIDDLE**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
**BOTTOM**  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.



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## Test Ticket

NO. 44609

4/10

BY: \_\_\_\_\_

Well Name & No. Denison 2-10 Test No. 3 Date 9/14/11  
 Company Cholla Production, LLC Elevation 2288 KB 2283 GL  
 Address 7851 S Flat ST STE 201 Littleton CO 80120  
 Co. Rep / Geo. Bill Goff Rig WW #6  
 Location: Sec. 10 Twp. 11s Rge. 23w Co. Trego State KS

Interval Tested 3565 - 3614 Zone Tested LKC "D, E"  
 Anchor Length 49 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.0  
 Top Packer Depth 3560 Drill Collars Run 124 Vis 52  
 Bottom Packer Depth 3565 Wt. Pipe Run \_\_\_\_\_ WL 6.4  
 Total Depth 3614 Chlorides 2,000 ppm System LCM 2  
 Blow Description IF - 1/2 in blow  
FSI - No blow  
FF - No blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>wcm</u>			<u>20</u>	<u>80</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 60 BHT 107 Gravity \_\_\_\_\_ API RW .15 @ 65 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic <u>1,719</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>19:15</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>200</u>	T-Started <u>19:00</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:10</u>
(D) Initial Shut-In <u>1,217</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:10</u>
(E) Second Initial Flow <u>37</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:25</u>
(F) Second Final Flow <u>44</u>	<input checked="" type="checkbox"/> Mileage <u>43x 2 86RT 180 40</u>	Comments _____
(G) Final Shut-In <u>1,227</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>1,703</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>80</u>	<input type="checkbox"/> Day Standby _____	Total <u>1,820.40</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1,820.40</u>	

Approved By \_\_\_\_\_ Our Representative Bill Goff

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## FLUID SAMPLER DATA

Ticket No. 44609 Date 9/12/11  
 Company Name Cholla Production, LLC  
 Lease Denison 2-10 Test No. 3  
 County Trego Sec. 10 Twp. 11S Rng. 23W

### SAMPLER RECOVERY

Gas \_\_\_\_\_ ML  
 Oil \_\_\_\_\_ ML  
 Mud plugged \_\_\_\_\_ ML  
 Water \_\_\_\_\_ ML  
 Other \_\_\_\_\_ ML  
 Pressure 350 PSI ~~WT~~  
 Total \_\_\_\_\_ ML

### PIT MUD ANALYSIS

Chlorides 2000 ppm.  
 Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Viscosity 52  
 Mud Weight ~~6.4~~ 9.0  
 Filtrate 6.4  
 Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.  
 Gravity \_\_\_\_\_ corrected @ 60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
 Chlorides \_\_\_\_\_ ppm.



# TRILOBITE TESTING INC.

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SEP 14 2011

## Test Ticket

NO. 44610

4/10

BY: \_\_\_\_\_

Well Name & No. <u>Denison 2-10</u>	Test No. <u>4</u>	Date <u>9/12/11</u>
Company <u>Cholla Production, LLC</u>	Elevation <u>2288</u>	KB <u>2283</u> GL
Address <u>7851 S Elati ST STE 201 Littleton CO 80120</u>		
Co. Rep / Geo. <u>Bill Goff</u>	Rig <u>WW # 6</u>	
Location: Sec. <u>10</u> Twp. <u>11S</u> Rge. <u>23W</u> Co. <u>Trego</u> State <u>KS</u>		

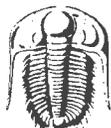
Interval Tested <u>3654-3720</u>	Zone Tested <u>KC 43"</u>
Anchor Length <u>66</u>	Drill Pipe Run _____ Mud Wt. <u>9.1</u>
Top Packer Depth <u>3649</u>	Drill Collars Run <u>124</u> Vis <u>54</u>
Bottom Packer Depth <u>3654</u>	Wt. Pipe Run _____ WL <u>6.4</u>
Total Depth <u>3720</u>	Chlorides <u>2000</u> ppm System LCM <u>2 #</u>
Blow Description <u>IF - 1/2 in blow</u>	
<u>IF - No blow</u>	
<u>FF - 3/4 in blow</u>	
<u>FSF - No blow</u>	

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>vs 60cm</u>	<u>5</u>	<u>1.5</u>	<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>70ft GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total <u>50</u>	BHT <u>108</u>	Gravity _____	API RW _____	@ _____ °F	Chlorides _____ ppm
(A) Initial Hydrostatic <u>1,802</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>10:40</u>			
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>11:05</u>			
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>13:55</u>			
(D) Initial Shut-In <u>156</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>17:35</u>			
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>19:30</u>			
(F) Second Final Flow <u>37</u>	<input checked="" type="checkbox"/> Mileage <u>43x2 80RT 120.40</u>	Comments _____			
(G) Final Shut-In <u>283</u>	<input checked="" type="checkbox"/> Sampler <u>250'</u>				
(H) Final Hydrostatic <u>1,746</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____			
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____			
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____			
Final Flow <u>43</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>			
Final Shut-In <u>135</u>	<input type="checkbox"/> Day Standby _____	Total <u>1820.40</u>			
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____			
	Sub Total <u>1820.40</u>				

Approved By \_\_\_\_\_ Our Representative Bill D...

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## FLUID SAMPLER DATA

Ticket No. 44610 Date 9/12/11

Company Name Chella Production, LLC

Lease Denison 2-10 Test No. 4

County Trego Sec. 10 Twp. 11s Rng. 23w

### SAMPLER RECOVERY

Gas 1000 ML

Oil 500 ML

Mud 1500 ML

Water \_\_\_\_\_ ML

Other \_\_\_\_\_ ML

Pressure \_\_\_\_\_ 190 PSI ~~ML~~

Total 3000 ML

### PIT MUD ANALYSIS

Chlorides 2000 ppm.

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Viscosity 54

Mud Weight 9.1

Filtrate 6.4

Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

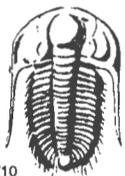
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 44611

RECEIVED  
SEP 14 2011

Well Name & No. Denison 2-10 BY: \_\_\_\_\_ Test No. 5 Date 9/14/11  
 Company Cholla Production, LLC Elevation 2288 KB 2283 GL \_\_\_\_\_  
 Address 7851 S Flat ST STE 201 Littleton CO 80120  
 Co. Rep / Geo. Bill Goff Rig WW #6  
 Location: Sec. 10 Twp. 11S Rge. 23W Co. Trego State KS

Interval Tested 3590 - 3645 Zone Tested KCF, 6'  
 Anchor Length 5.5' Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.2  
 Top Packer Depth 3585, 3590 Drill Collars Run 124 Vis 61  
 Bottom Packer Depth 3645 Wt. Pipe Run \_\_\_\_\_ WL 6.8  
 Total Depth 3956 Chlorides 2,000 ppm System LCM 2#

Blow Description IF - BOB in 9 min  
FSI - No blow  
FF - BOB in 11 1/2 min  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
120	MCW			65	35
120	SGOMCW	5	5	50	40
120	SGOWCM	10	5	5	80
75	SGWOCM	5	20	5	70
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 435 BHT 113 Gravity 33 API RW 13 @ 55 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1,825  Test 1125 T-On Location 23:30  
 (B) First Initial Flow 37  Jars 250 T-Started 00:15  
 (C) First Final Flow 118  Safety Joint 75 T-Open 1:57  
 (D) Initial Shut-In 863  Circ Sub \_\_\_\_\_ T-Pulled 4:37  
 (E) Second Initial Flow 143  Hourly Standby \_\_\_\_\_ T-Out 6:55  
 (F) Second Final Flow 228  Mileage 43K 2 80RT 120.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 867  Sampler 250 \_\_\_\_\_  
 (H) Final Hydrostatic 1,788  Straddle 600 \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 10  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 90  
 Day Standby 1 day + 26 hrs  
 Accessibility \_\_\_\_\_  
 Sub Total 2420.40  
 Sub Total 933.52  
 Total 3353.92  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Bruce

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P.O. Box 362 • Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 44611 Date 9/14/11

Company Name challa Production, LLC

Lease Denison 2-10 Test No. 5

County Trego Sec. 10 Twp. 11S Rng. 23W

### SAMPLER RECOVERY

Gas 800 ML

Oil 1000 ML

Mud \_\_\_\_\_ ML

Water 1200 ML

Other \_\_\_\_\_ ML

Pressure 225 PSI ~~ML~~

Total 3000 ML

### PIT MUD ANALYSIS

Chlorides 2,000 ppm.

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Viscosity 61

Mud Weight 9.2

Filtrate 6.8

Other \_\_\_\_\_

### SAMPLER ANALYSIS

Resistivity .13 ohms @ 55 F

Chlorides 78,000 ppm.

Gravity \_\_\_\_\_ corrected @60F

### PIPE RECOVERY

#### TOP

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### MIDDLE

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.

#### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F

Chlorides \_\_\_\_\_ ppm.