



DRILL STEM TEST REPORT

Prepared For: **John H. Shaida**

4126 N. Sweet Bay Cir.
Wichita KS. 67226

ATTN: Dave Goldak

GES #1

11-30s-3w Sumner, KS

Start Date: 2016.01.27 @ 19:04:01

End Date: 2016.01.28 @ 02:08:46

Job Ticket #: 57935 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.01 @ 10:48:22

John H. Shaida
11-30s-3w Sumner, KS
GES #1
DST # 1
Swope
2016.01.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John H. Shaida
 4126 N. Sweet Bay Cir.
 Wichita KS. 67226
 ATTN: Dave Goldak

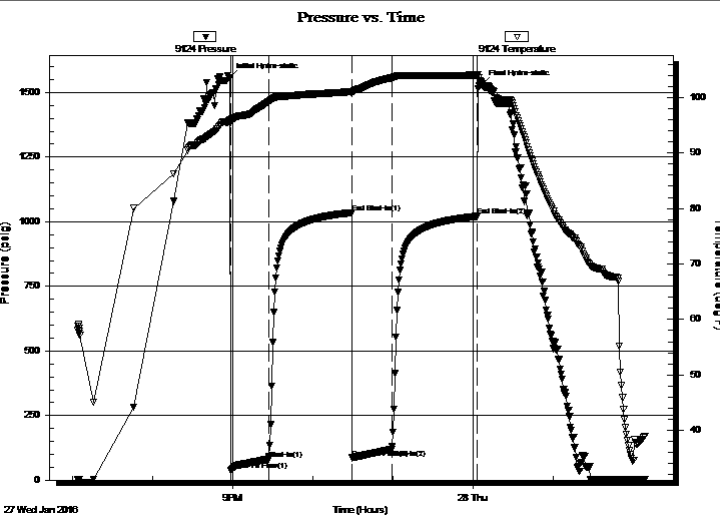
11-30s-3w Sumner, KS
GES #1
 Job Ticket: 57935 **DST#: 1**
 Test Start: 2016.01.27 @ 19:04:01

GENERAL INFORMATION:

Formation: **Swope**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:58:31 Tester: Gary Pevoteaux
 Time Test Ended: 02:08:46 Unit No: 80
 Interval: **3206.00 ft (KB) To 3239.00 ft (KB) (TVD)** Reference Elevations: 1338.00 ft (KB)
 Total Depth: 3239.00 ft (KB) (TVD) 1329.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 9.00 ft

Serial #: 9124 Outside
 Press@RunDepth: 118.77 psig @ 3207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.01.27 End Date: 2016.01.28 Last Calib.: 2016.01.28
 Start Time: 19:04:06 End Time: 02:08:45 Time On Btm: 2016.01.27 @ 20:57:46
 Time Off Btm: 2016.01.28 @ 00:06:31

TEST COMMENT: IF: Fair to strong blow . B.O.B. in 18 mins.
 IS: Weak blow . 1/4" or less.
 FF: Fair to strong blow . B.O.B. in 20 mins.
 FS: Weak blow . 1/4 - 1/2". COMMENT: 8 ft. of fill on btm. Slid tool 4 - 5 ft.



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 1558.42 | 95.92 | Initial Hydro-static |
| 1 | 36.95 | 95.58 | Open To Flow (1) |
| 30 | 82.11 | 99.26 | Shut-In(1) |
| 92 | 1034.91 | 101.05 | End Shut-In(1) |
| 92 | 86.50 | 100.69 | Open To Flow (2) |
| 122 | 118.77 | 103.54 | Shut-In(2) |
| 186 | 1021.28 | 104.07 | End Shut-In(2) |
| 189 | 1529.35 | 102.42 | Final Hydro-static |

| Recovery | | |
|-------------|------------------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 120.00 | MW /w o specs 8%m 92%w | 0.86 |
| 75.00 | SOCMW 3%o 25%m 72%w | 1.05 |
| 25.00 | Clean oil | 0.35 |
| 0.00 | 180 ft. of GIP | 0.00 |
| | | |
| | | |

| Gas Rates | | | |
|-----------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
| | | | |
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John H. Shaida

11-30s-3w Sumner, KS

4126 N. Sweet Bay Cir.
Wichita KS. 67226

GES #1

Job Ticket: 57935

DST#: 1

ATTN: Dave Goldak

Test Start: 2016.01.27 @ 19:04:01

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3098.00 ft | Diameter: 3.80 inches | Volume: 43.46 bbl | Tool Weight: 2400.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 24000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 66000.00 lb |
| | | | <u>Total Volume: 43.90 bbl</u> | Tool Chased 5.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial 41000.00 lb |
| Depth to Top Packer: | 3206.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 33.00 ft | | | |
| Tool Length: | 61.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3179.00 | |
| Shut In Tool | 5.00 | | | 3184.00 | |
| Hydraulic tool | 5.00 | | | 3189.00 | |
| Jars | 5.00 | | | 3194.00 | |
| Safety Joint | 3.00 | | | 3197.00 | |
| Packer | 4.00 | | | 3201.00 | 28.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3206.00 | |
| Stubb | 1.00 | | | 3207.00 | |
| Recorder | 0.00 | 9124 | Outside | 3207.00 | |
| Recorder | 0.00 | 6798 | Inside | 3207.00 | |
| Perforations | 27.00 | | | 3234.00 | |
| Bullnose | 5.00 | | | 3239.00 | 33.00 Bottom Packers & Anchor |

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John H. Shaida

11-30s-3w Sumner, KS

4126 N. Sweet Bay Cir.
Wichita KS. 67226

GES #1

Job Ticket: 57935

DST#: 1

ATTN: Dave Goldak

Test Start: 2016.01.27 @ 19:04:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

101000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|------------------------|---------------|
| 120.00 | MW /w o specs 8%m 92%w | 0.863 |
| 75.00 | SOCMW 3%o 25%m 72%w | 1.052 |
| 25.00 | Clean oil | 0.351 |
| 0.00 | 180 ft. of GIP | 0.000 |

Total Length: 220.00 ft Total Volume: 2.266 bbf

Num Fluid Samples: 0

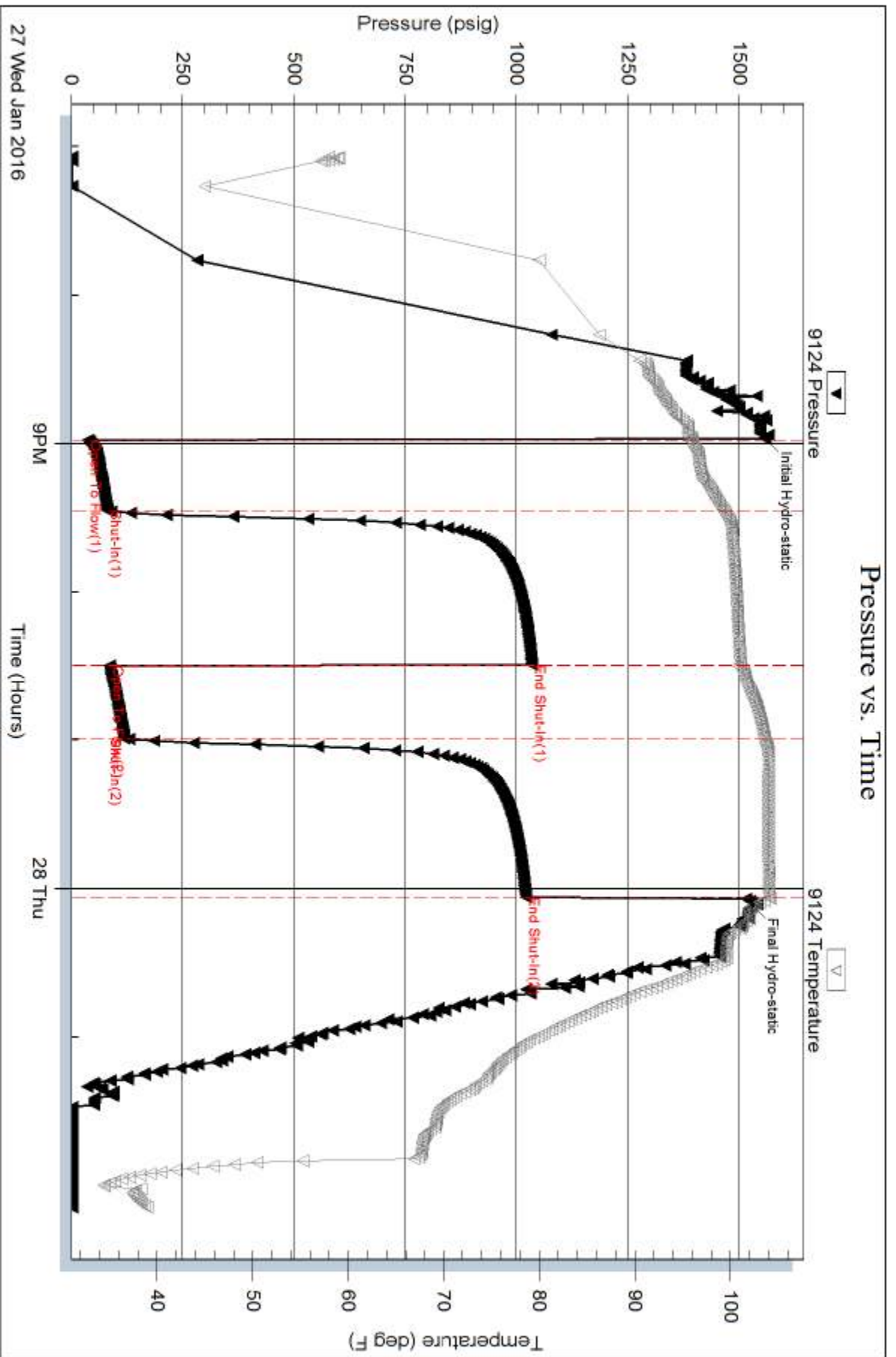
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .13 ohms @ 45 deg



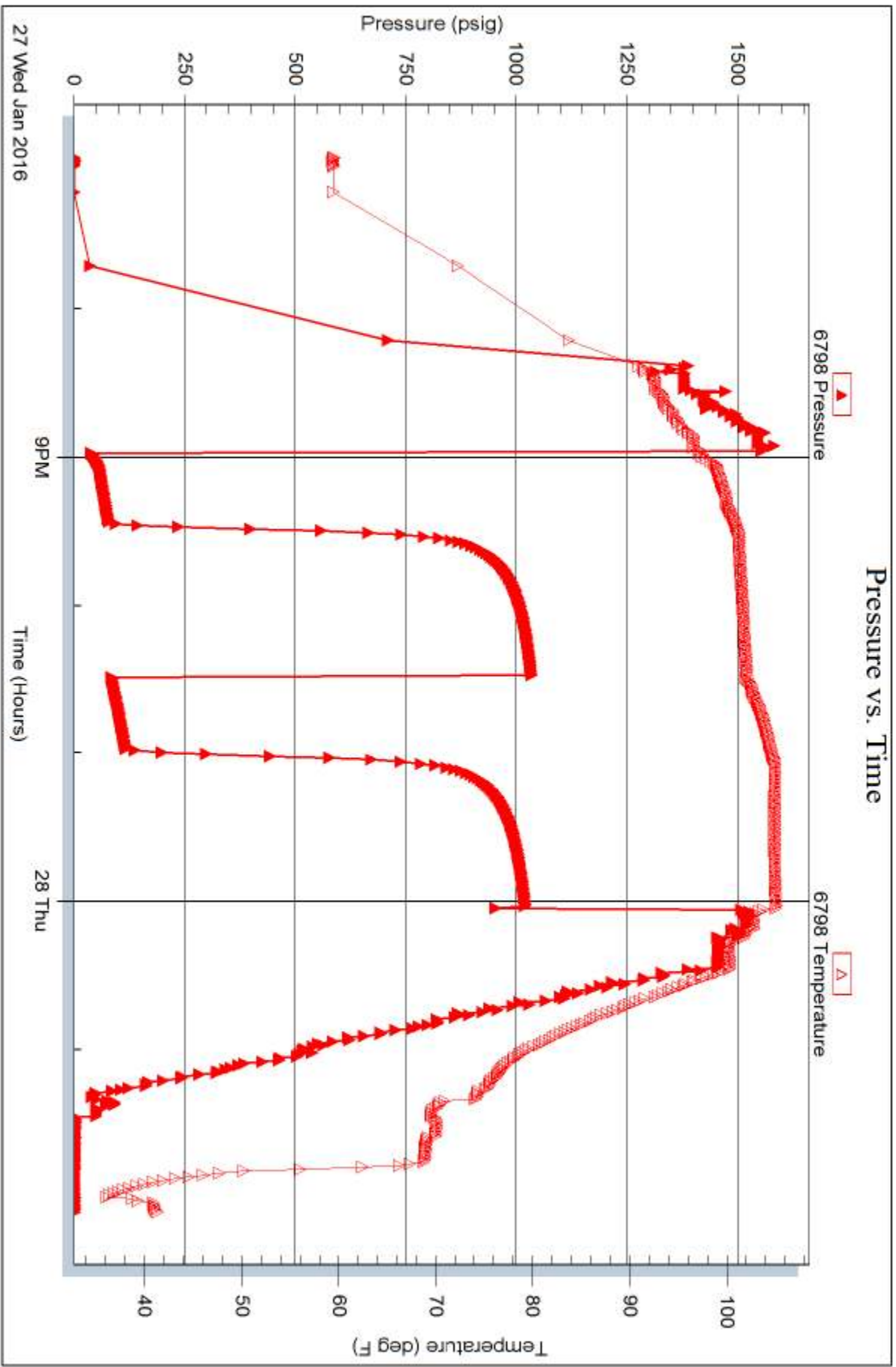
Serial #: 6798

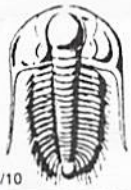
Inside

John H. Shaida

GES #1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57935

4/10

Well Name & No. GES #1 Test No. 1 Date 1-27-16
 Company JOHN H. SCHMIDT Elevation 1338 KB 1329 GL
 Address 4126 N. SWEET BAY CIR. WICHITA KS. 67226
 Co. Rep / Geo. DAVE GOLDACK Rig LANDMARK DRUG
 Location: Sec. 11 Twp. 30^S Rge. 3^W Co. SUMNER State KS

Interval Tested 3206-3239' Zone Tested SWOPE
 Anchor Length 33' Drill Pipe Run 3098' Mud Wt. 9.0
 Top Packer Depth 3201' Drill Collars Run 90' Vis 45
 Bottom Packer Depth 3206' Wt. Pipe Run 0 WL 9.2cc
 Total Depth 3239' Chlorides 4,000 ppm System LCM 2[#]

Blow Description IF: Fair to strong blow. B.O.B. in 18 mins.
ISF: Weak blow. 1/4" or less.

FF: Fair to strong blow. B.O.B. in 20 mins. FSI: Weak blow.
1/4-1/2" Comment: 8 ft. of fill on btm. slid tool 4-5 ft.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|----------------------|----------|-----------|-----------|------|
| <u>180</u> | <u>Gas in pipe</u> | | | | |
| <u>25</u> | <u>Clean oil</u> | | | | |
| <u>75</u> | <u>SOC MW</u> | <u>3</u> | <u>72</u> | <u>25</u> | |
| <u>120</u> | <u>MW in o spec.</u> | | <u>92</u> | <u>8</u> | |
| | | | | | |

Rec Total 270 fluid BHT 104° Gravity 36.3 API RW 13 @ 45 ° F Chlorides 101,000 ppm

(A) Initial Hydrostatic 1558 Test 1050 T-On Location 1800
 (B) First Initial Flow 37 Jars 250 T-Started 1904
 (C) First Final Flow 82 Safety Joint 75 T-Open 2058
 (D) Initial Shut-In 1035 Circ Sub _____ T-Pulled 0004
 (E) Second Initial Flow 87 Hourly Standby _____ T-Out 0208
 (F) Second Final Flow 119 Mileage 174 Comments _____
 (G) Final Shut-In 1021 Sampler _____
 (H) Final Hydrostatic 1529 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1549

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

Total 1549
 MP/DST Disc't _____

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.