

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 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 | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| | | | | |
|---|--|---------|-------------|-----------------------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |

| | | |
|---|---|------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL: Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

| | | | | | |
|--------------------|----------------------|------------------|-----------------------------|-------------------|----------------------|
| Customer: | Youngstown Operating | Cement Pump No.: | 37223 19572 12HRS | Operator TRK No.: | 78938 |
| Address: | | Ticket #: | 1718 191078-L 17105-L | Bulk TRK No.: | 14355 37724 Corey |
| City, State, Zip: | AFE# | Job Type: | Z42 - Cement Surface Casing | | |
| Service District: | 1718-Liberal KS | Well Type: | OIL | | |
| Well Name and No.: | WasseMiller #1-10 | Well Location: | 10,11S,34W | County: | Logan |
| | | | | State: | Ks |

| Type of Cmt | Sacks | Additives | Truck Loaded On | | |
|---------------------|-------|--------------------------------------|-------------------|-------|------|
| Premium Plus Cement | 220 | 2% Calcium Chloride, 1/4# Celloflake | 14355 37724 Corey | Front | Back |
| | | | 14355 37724 | Front | Back |
| | | | | Front | Back |

| | | | | | |
|-------------------|----------------|----------|--------------------|---------|-----------------------|
| Lead/Tail: | Weight #1 Gal. | Cu/Ft/sk | Water Requirements | CU. FT. | Man Hours / Personnel |
| Lead: | 14.8 | 1.34 | 6.33 | 294.8 | TT Man Hours: 39 |
| Tail: | | | | | # of Men on Job: 3 |

| Time (am/pm) | (BPM) | Volume (BBLs) | Pumps | | Pressure(PSI) | | Description of Operation and Materials |
|-----------------|-------|------------------|-------|---|---------------|--------|---|
| | | | T | C | Tubing | Casing | |
| 22:00pm | | | | | | | Arrived at location |
| 22:30pm | | | | | | | Spot trucks/Rig up |
| 1:30am | | | | | | | Safety Meeting |
| 1:54am | | | | | | 2000 | Pressure test lines to 2000psi |
| 1:56am | 4 | 52.5 | | | | 200 | Pump cement 52.5bbls from 220sks at 14.8# |
| 2:25am | | | | | | | Shut down/Drop plug/Wash pump and lines |
| 2:27am | | | | | | | Start Displacement of 18bbls |
| 2:32am | 4 | 10 | | | | 200 | 10bbls gone |
| 2:37am | 3 | 18 | | | | 500 | Bump plug/Hold for 5 minutes |
| | | | | | | | Check if float holds |
| | | | | | | | Got 20 bbls of cement to Surface |
| | | | | | | | Rig Down |
| | | | | | | | Job Completed |
| | | | | | | | Thanked the company man and rig crew |

| | | | | | | |
|-----------------|-----------|-------|-----|------------|--------------|-------|
| Size Hole | 12 1/4 | Depth | 323 | | TYPE | |
| Size & Wt. Csg. | 8.625 24# | Depth | 323 | New / Used | Baffle Plate | 283 |
| Casing | J-55 | Depth | | | Retainer | Depth |
| Top Plugs | | Type | | | Perfs | CIBP |

| | | |
|---------------------|-----------------------|------------------|
| Customer Signature: | Basic Representative: | Victor A. Corona |
| | Basic Signature: | |
| | Date of Service: | 4/3/2019 |



| | | | |
|-----------------------------------|--------------------|----------------|----------------------------|
| PAGE 1 of 2 | CUST NO 1012348 | YARD # 1718 | INVOICE DATE 04/15/2019 |
| INVOICE NUMBER 92951180 | | | |

Pratt (620) 672-1201
 B YOUNGSTOWN OPERATING LLC
 I 14612 HERTZ QUAIL SPRING PKWY
 L OKLAHOMA CITY
 L OK US 73134
 T
 O ATTN:

J LEASE NAME WasseMiller #1-10
 O LOCATION
 B COUNTY Logan
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

| JOB # | EQUIPMENT # | PURCHASE ORDER NO. | TERMS | DUE DATE |
|----------|-------------|--------------------|-----------|------------|
| 41170686 | | | Cash Sale | 04/15/2019 |

| | QTY | U of M | UNIT PRICE | INVOICE AMOUNT |
|--|--------|--------|------------|----------------|
| For Service Dates: 04/12/2019 to 04/12/2019 | | | | |
| 0041170686 | | | | |
| 171819391L Cement-New Well Casing/Pi 04/12/2019 Production Casing | | | | |
| A-Con Blend | 50.00 | EA | 7.44 | 372.00 T |
| 50/50 POZ | 135.00 | EA | 4.40 | 594.00 T |
| Celloflake | 13.00 | LB | 1.48 | 19.24 T |
| Calcium Chloride | 141.00 | LB | 0.42 | 59.22 T |
| Gypsum | 570.00 | LB | 0.30 | 171.00 T |
| C-17 | 57.00 | LB | 8.00 | 456.00 T |
| C-41P | 29.00 | LB | 1.60 | 46.40 T |
| 675 Lb. - Gilsonite | 1.00 | LB | 182.25 | 182.25 T |
| Salt | 753.00 | LB | 0.20 | 150.60 T |
| Auto Fill Float Shoe 5 1/2" (Blue) | 1.00 | EA | 360.00 | 360.00 |
| Latch Down Plug & Baffle, 5 1/2" (Blue) | 1.00 | EA | 400.00 | 400.00 |
| 5 1/2" Stop Ring | 1.00 | EA | 40.00 | 40.00 |
| Turbolizer, 5 1/2" (Blue) | 10.00 | EA | 110.00 | 1,100.00 |
| Cement Port Collar, 5 1/2" (Red) | 1.00 | EA | 4,800.00 | 4,800.00 |
| Industrial Rubber Thread Lock Kit | 1.00 | EA | 34.00 | 34.00 |
| Heavy Equipment Mileage | 200.00 | MI | 3.00 | 600.00 |
| Blending & Mixing Service Charge | 185.00 | SK | 0.56 | 103.60 |
| Proppant & Bulk Del. Chgs., per ton mil | 805.00 | EA | 1.00 | 805.00 |
| Depth Charge, 4001'-5000' | 1.00 | HR | 1,008.00 | 1,008.00 |
| Plug Container Utilization Charge | 1.00 | EA | 100.00 | 100.00 |
| Light Vehicle Mileage | 100.00 | MI | 1.80 | 180.00 |
| "Service Supervisor, first 8 hrs on loc. | 1.00 | EA | 70.00 | 70.00 |
| Cement Data Acquisition Monitor | 1.00 | EA | 220.00 | 220.00 |
| Mud Flush | 500.00 | GAL | 0.60 | 300.00 T |

| | | | |
|---------------------------|-------------------------------|---------------|-----------|
| PLEASE REMIT TO: | SEND OTHER CORRESPONDENCE TO: | SUB TOTAL | 12,171.31 |
| BASIC ENERGY SERVICES, LP | BASIC ENERGY SERVICES, LP | TAX | 188.06 |
| PO BOX 841903 | 801 CHERRY ST, STE 2100 | INVOICE TOTAL | 12,359.37 |
| DALLAS, TX 75284-1903 | FORT WORTH, TX 76102 | | |

9312

MB



Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: WasseMiller #1-10
Well Id:
Location: Sec 10 T11S R34W, Logan County, Kansas
License Number: 15-109-21589
Spud Date: April 02, 2019
Surface Coordinates: 689' Fsl & 675' Fwl
Region: Wildcat
Drilling Completed: April 11th 2019

Bottom Hole
Coordinates:
Ground Elevation (ft): 3170' K.B. Elevation (ft): 3175'
Logged Interval (ft): 3800' To: 4800' Total Depth (ft): 4800'
Formation: Atoka Lansing
Type of Drilling Fluid: Natural Chemical

Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: YOUNGSTOWN OPERATING, LLC
Address: 14612 Hertz Quail Springs Parkwy
Oklahoma City, Okla. 73134
Co. Geo: Michael Bone

GEOLOGIST

Name: Edwin W. Grieves/ Tim Hedrick
Company: Grieves and Company
Address: PO Box 3125
Edmond, Oklahoma 73083-3125
CELL PH. 405-836-9027

MUD REPORTS

| DATE | 4/5 | 4/6 | 4/7 | 4/8 | 4/9 | 4/10 | 4/11 |
|-------|------|------|-------|-------|-------|------|-------|
| DEPTH | 2998 | 3660 | 4120 | 4316 | 4341 | 4648 | 4719 |
| WT. | 9.3 | 8.8 | 9.0 | 9.3 | 9.3 | 9.3 | 9.5 |
| VIS | 30 | 56 | 58 | 73 | 63 | 52 | 58 |
| PV | | 18 | 19 | 19 | 17 | 14 | 15 |
| YP | | 14 | 15 | 16 | 15 | 19 | 23 |
| GS | | 8/19 | 10/26 | 11/34 | 11/27 | 5/30 | 12/35 |
| PH | 7.0 | 11.5 | 11.0 | 11.0 | 10.5 | 10.5 | 11.5 |
| WL | | 6.4 | 7.2 | 8.0 | 8.0 | 7.2 | 9.6 |
| CAKE | 1 | 1 | 1 | 1/32 | 1/32 | 1/32 | 1/32 |
| CHL | 47K | 2.4K | 2.8K | 3.5K | 4.2K | 4.5K | 6K |
| CAL | HVY | 10 | 60 | 80 | 80 | 80 | 80 |
| LCM | 1 | 1 | 1 | 1 | 1 | 1.5 | 1 |

SRVY- 3/4 DEG@323' /3/4DEG@4316'/ 1 DEG @ 4800'

CIRC POINTS-

1. 3890 - 20/40/60 MIN
2. 3950'- 20/40/60
3. 4120'- 20/40/60
4. 4260'- 20/40/60
5. 4290'- 20/40/60
6. 4316'- 20/40/60
7. 4344'- 20/40/60
8. 4620'- 20/40/60
9. 4655' -20/40/20
- 10.4675' -20/40/60
- 11.4710' -20/40/60
- 12.4800' -20/40/60



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Youngstown Operating
14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134
ATTN:

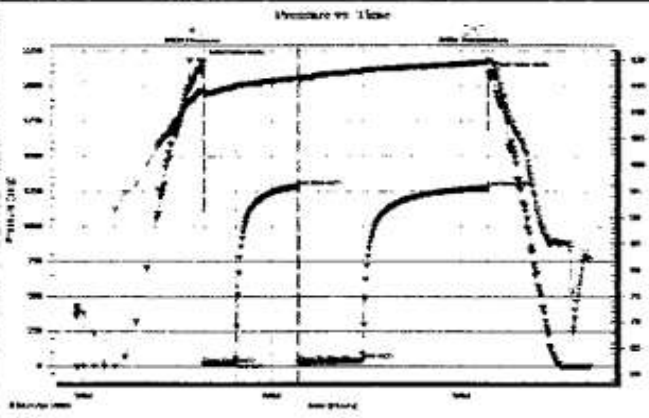
10-11-34 Logan, Ks
Wassemiller 1-10
Job Ticket: 65169 **DST#: 1**
Test Start: 2019.04.08 @ 02:53:24

GENERAL INFORMATION:

Formation: **Lansing E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:55:24
Time Test Ended: 11:02:54
Interval: **4310.00 ft (KB) To 4361.00 ft (KB) (TVD)**
Total Depth: 4361.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3179.00 ft (KB)
3174.00 ft (CF)
KB to GRVCF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 44.43 psig @ 4315.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.08 End Date: 2019.04.08 Last Calib.: 2019.04.08
Start Time: 02:53:24 End Time: 11:02:54 Time On Btm: 2019.04.08 @ 04:53:54
Time Off Btm: 2019.04.08 @ 09:26:24

TEST COMMENT: IF: 1/2 blow built to 2.
IS: No return.
FF: Surface blow built to 3/4.
FS: No return.



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
| 0 | 2178.18 | 114.23 | Initial Hydro-static |
| 2 | 17.07 | 113.66 | Open To Flow (1) |
| 31 | 28.05 | 115.00 | Shut-in(1) |
| 91 | 1285.22 | 116.51 | End Shut-in(1) |
| 92 | 29.04 | 116.22 | Open To Flow (2) |
| 152 | 44.43 | 117.77 | Shut-in(2) |
| 272 | 1276.00 | 119.61 | End Shut-in(2) |
| 273 | 2086.58 | 119.96 | Final Hydro-static |

| Recovery | | |
|-------------|----------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 60.00 | ocm 2%o 98% m | 0.30 |
| 2.00 | ocm 10%o 90% m | 0.01 |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|-----------|-----------|-----------------|------------------|
| | Core (Mn) | Pressure (psig) | Gas Rate (Mcfus) |
| | | | |
| | | | |



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Youngstown Operating
14812 Hertz Dual Springs Parkway
Oklahoma City, Ok 73134
ATTN:

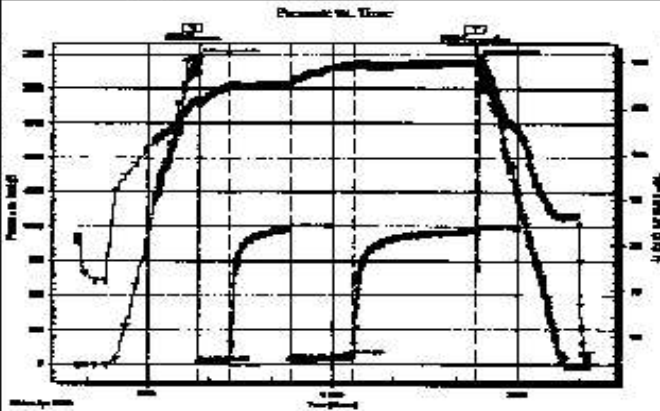
10-11-34 Logan, Ks
Wassamiller 1-10
Job Ticket: 85170 DSTF:2
Test Start: 2018.04.08 @ 19:51:07

GENERAL INFORMATION:

Formation: Lansing F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:49:37
Time Test Ended: 04:11:07
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turkey
Unit No: 79
Interval: 4318.00 ft (KB) To 4341.00 ft (KB) (TYD)
Reference Elevation: 3179.00 ft (KB)
Total Depth: 4318.00 ft (KB) (TYD)
Reference Elevation: 3174.00 ft (CF)
Hole Diameter: 7.85 Inches Hole Condition: Good
KB to GRVCF: 5.00 ft

Serial #: B165 Outside
Press @ RunDepth: 82.55 psig @ 4321.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.08 End Date: 2019.04.09 Last Calls: 2019.04.09
Start Time: 19:51:07 End Time: 04:11:07 Time On Bore: 2019.04.08 @ 21:49:37
Time Off Bore: 2019.04.09 @ 02:22:07

TEST COMMENT: IF: 1/4 blow bull to 2 1/2.
IS: No return.
FS: Surface blow bull to 1 3/4.
FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2200.70 | 111.92 | Initial Hydro-static |
| 1 | 17.08 | 111.27 | Open To Flow (1) |
| 31 | 32.51 | 114.88 | Shut-In (1) |
| 90 | 983.48 | 115.67 | End Shut-In (1) |
| 91 | 34.21 | 115.10 | Open To Flow (2) |
| 151 | 62.55 | 118.34 | Shut-In (2) |
| 272 | 975.28 | 120.10 | End Shut-In (2) |
| 274 | 2165.00 | 116.83 | Final Hydro-static |

Recovery

| Length (ft) | Description | Vel (ms) (MS) |
|-------------|-------------------------|---------------|
| 60.00 | raw 80%w 40%w | 0.30 |
| 60.00 | raw oil spale 15%w 85%w | 0.32 |
| 1.00 | free oil 100%w | 0.01 |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mc/d) |
|--|----------------|-----------------|-----------------|
| | | | |

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Youngstown Operating
14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134
ATTN:

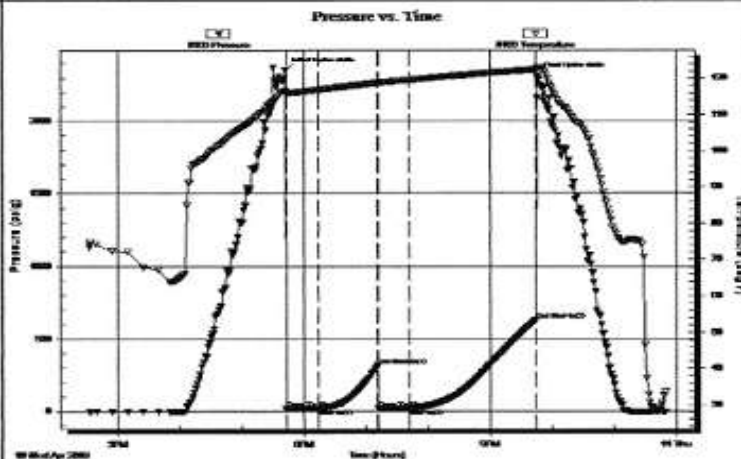
10-11-34 Logan, Ks
Wassemiller 1-10
Job Ticket: 65171 **DST#: 3**
Test Start: 2019.04.10 @ 14:32:01

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:42:31
Time Test Ended: 23:50:31
Interval: **4612.00 ft (KB) To 4675.00 ft (KB) (TVD)**
Total Depth: **4675.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3179.00 ft (KB)
3174.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 20.48 psig @ 4617.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.10 End Date: 2019.04.10 Last Calib.: 2019.04.10
Start Time: 14:32:01 End Time: 23:50:31 Time On Btm: 2019.04.10 @ 17:42:01
Time Off Btm: 2019.04.10 @ 21:45:31

TEST COMMENT: IF: 1/2 blow built to 2 3/4.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2352.04 | 116.64 | Initial Hydro-static |
| 1 | 17.14 | 116.06 | Open To Flow (1) |
| 32 | 18.39 | 116.87 | Shut-in(1) |
| 89 | 312.10 | 118.79 | End Shut-in(1) |
| 90 | 19.59 | 118.93 | Open To Flow (2) |
| 119 | 20.48 | 119.60 | Shut-in(2) |
| 242 | 628.86 | 122.47 | End Shut-in(2) |
| 244 | 2316.68 | 123.08 | Final Hydro-static |

Recovery

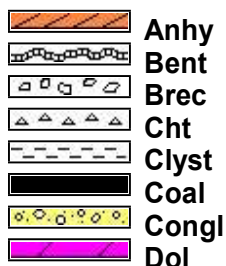
| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | mud 100% m | 0.05 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

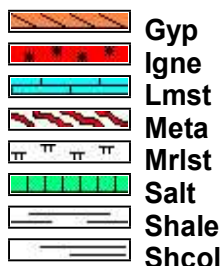
Gas Rates

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

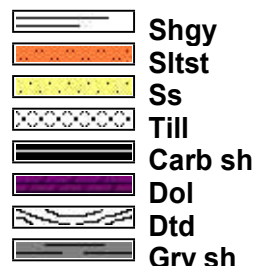
ROCK TYPES



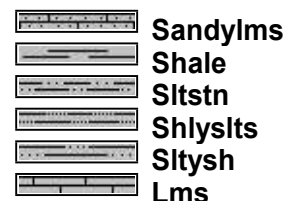
Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till
Carb sh
Dol
Dtd
Gry sh



Sandylms
Shale
Sltstn
Shlyslts
Sitysh
Lms

ACCESSORIES

MINERAL

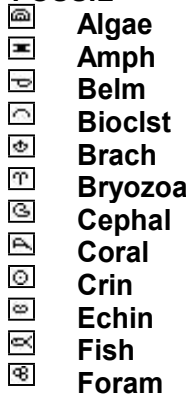


Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar
Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr



Salt
Sandy
Silt
Sil
Sulphur
Tuff
Chlorite
Dol
Sand
Sity

FOSSIL



Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram



Fossil
Gastro
Oolite
Ostra
Pelec
Pellet
Pisolite
Plant
Strom
Fuss
Oomold

STRINGER

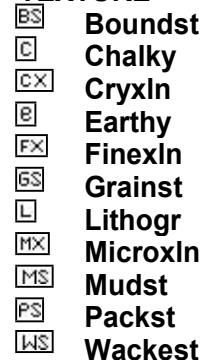


Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstrg
Ssstrg
Carbsh



Clystn
Dol
Grysh
Gryslt
Lms
Sandylms
Sh
Sltstn

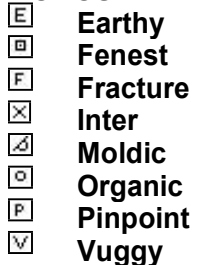
TEXTURE



Boundst
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packst
Wackest

OTHER SYMBOLS

POROSITY TYPE



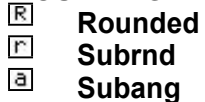
Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy

SORTING



Well
Moderate
Poor

ROUNDING



Rounded
Subrnd
Subang



Angular

OIL SHOWS



Even
Spotted
Ques
Dead
Gas show

INTERVALS

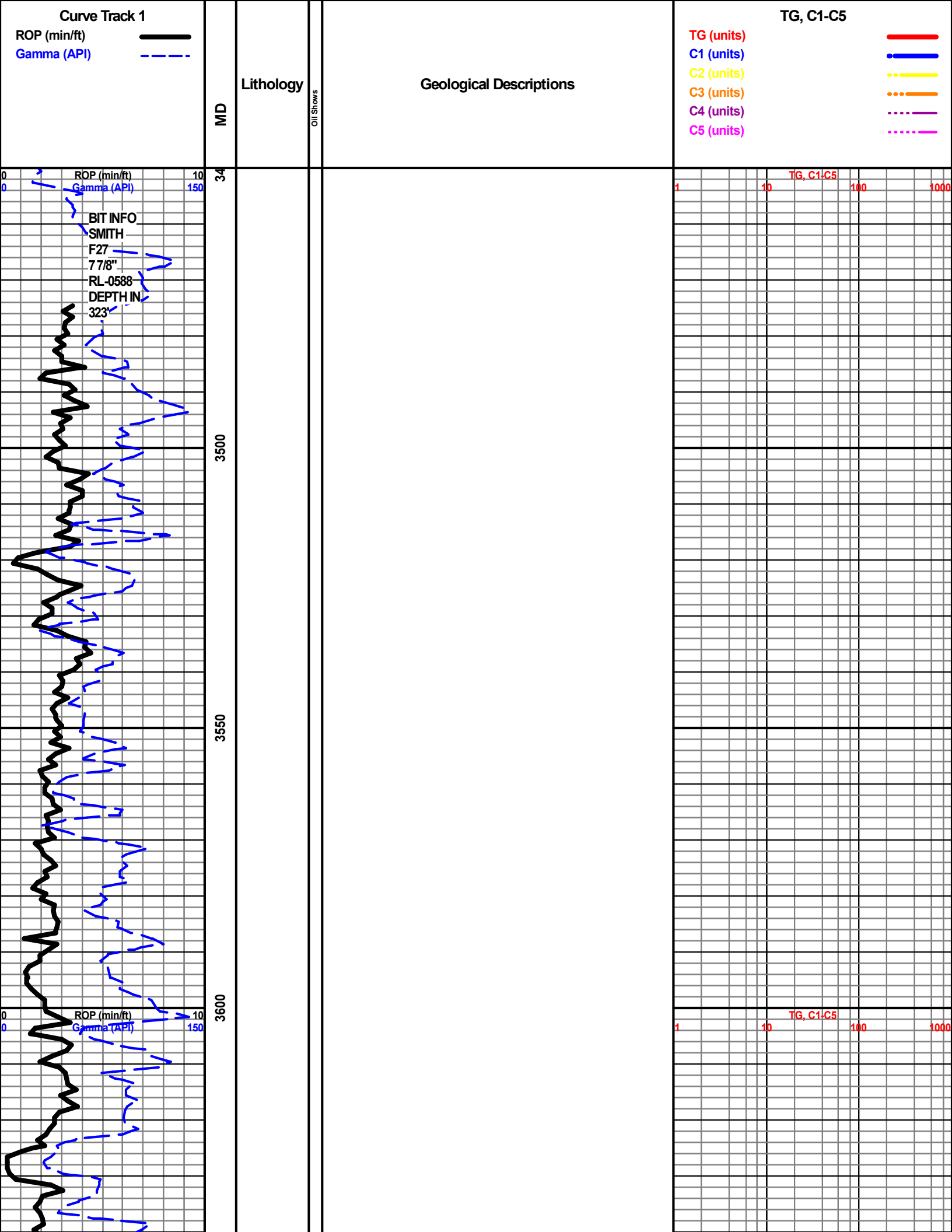


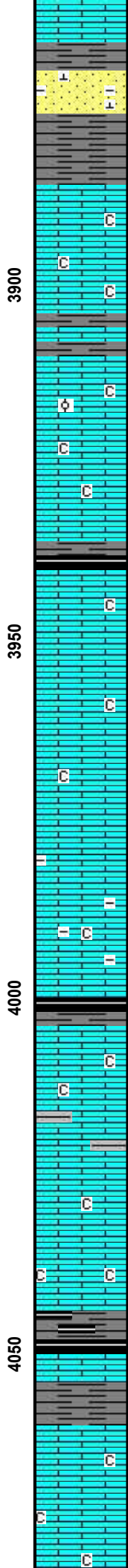
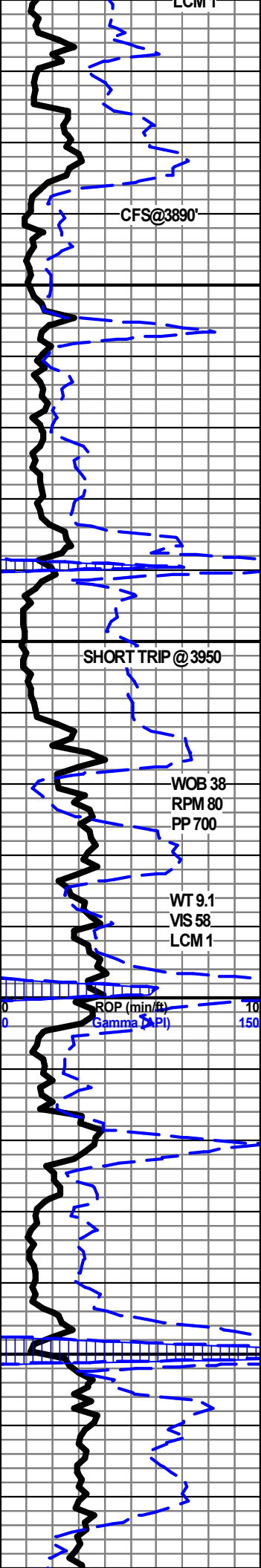
Core
Dst
Dst

EVENTS



Rft
Sidewall





3865-3870- SH- LT TO MED GY, V/ CALC TO SHLY LS

3870-3875' SS-VERY VERY FINE GRAIN, ANG , FAIR TO GOOD SORTING, CLAY FILLED IP, SLI TO FRLY CALC IP, V/DUL YEL FLUOR, NO CUT, ABDT PR FR GD TO TR EXCEL MICRO PP & INTERGRAIN POR

3875-3885' SH- LT TO MED GY- SLI TO EXTREMELY CALC GRDNG TO SHLY LS

3885' -3904' LS- HVY TR TO ABDT WHT TO CRM CHLK & TAN: CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO & PCKSTONE, DUL LT TO LT YEL FLUOR, NO CUT, HVY TR PR TO TR FR MICRO PP POR

3906-3934' LS-ABDT TO EXTREMABDT WHT TO CRM CHLK & TAN: CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO & PCKSTONE, TR PHNTM OOLITIC DUL LT TO LT YEL FLUOR, NO CUT, ABDT PR TO FR TR GD MICRO PP POR & POSS INTER-XLN POR

SH- BLK SFT CARB & MED TO DK GY IP

3940-3962' LS-ABDT WHT TO CRM CHLK & TAN GRYISH IP, VV/FN-XLN, SUB SUCRO TO SUCRO, DLL YEL TO V/ SLI TR YEL FLUOR, NO CUT, ABDT PR TO FR TO TR GOOD MICRO PP POR & POSS INTER-XLN POR IP

3962 -3999' INTERBEDDED LS
1. LS- TR WHT TO CRM CHLK -CHLK & TAN GRAYISH IP, CRYPTO-VV/FN-XLN, SUB SUCRO SUCRO & PCKSTONE, LT YEL FLUOR, NO CUT, PR MICRO PP POR

2. LS- LT TO MED GY SLI TO FRLY SHLY, TAN: CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO & PCKSTONE, DUL LT TO LT YEL FLUOR, NO CUT, NO VIS POR

SH- MED TO V/DK GY -SLI TO V/ CALC TO V/DK GY TO BLK SFT CARB

4004-4016' LS-ABDT WHT TO CRM CHLK & TAN, CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO & PCKSTONE, DUL LT TO LT YEL FLUOR, NO CUT, TR PR MICRO PP POR IN SUCRO

4016-4028' LS-LT TO MED GY, SLI TO FRLY SHLY, CRYPTO-VV/FN-XLN, TR V/DUL YEL FLUOR, NO CUT NO VIS POR

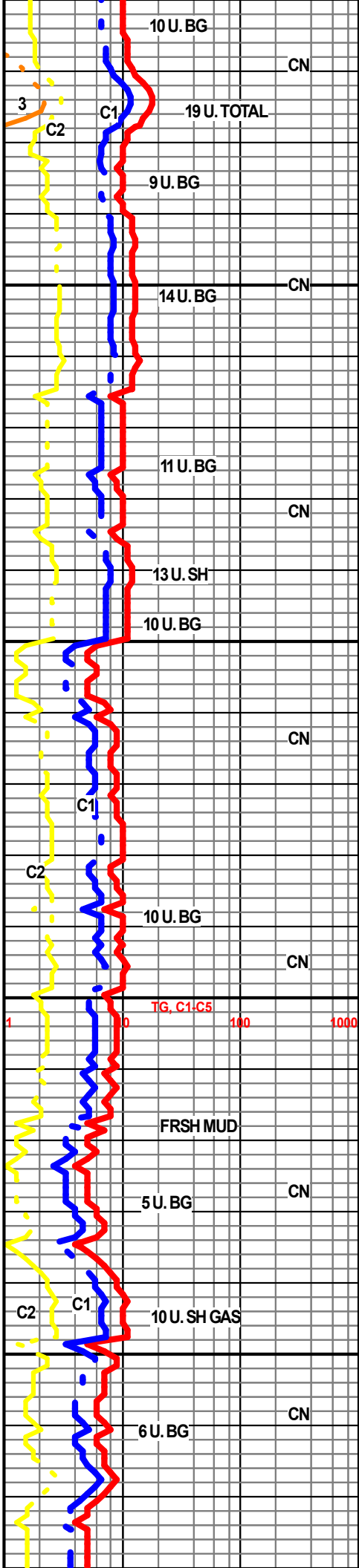
4028-4025 LS-EXTR ABDT WHT TO CRM CHLK, & TAN: CRYPTO TO VV/FN-XLN, SUB SUCRO TO HVY TRSUCRO & TR PCKSTONE, DUL LT TO LT YEL FLUOR, TR MICRO PPPOR IP

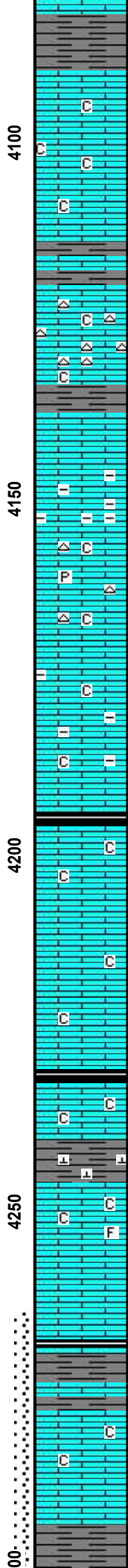
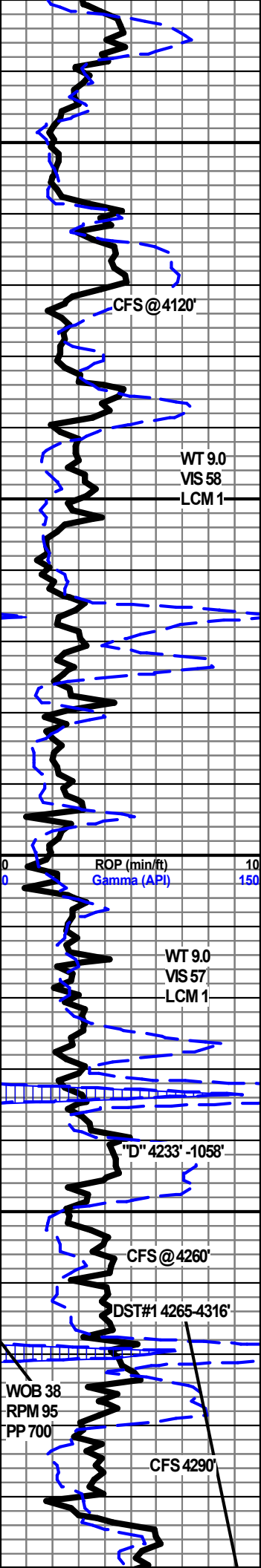
BASE HEEBNER 4051' -876'

4045-4051 SH- BLK SFT CARB TO MED TO V/DK GY

4051-4061' SH- LT TO MED GY, HVY TR RED TO BRNSH & TR RED CLAY FILLED SILTS

4061-4081- LS- SLI TR WHT TO CRM CHLK, TN GRYISH IP, CRYPTO TO VV/FN-XLN, SUB SUCRO TO PCKSTONE, DUL LT TO LT YEL FLUOR IP, NO CUT, NO VIS POR





4081-4089' SH- RED V/SFT MUSHY WET

TORONTO 4089' - 914'

4089-4108' LS-TR WHT TO CRM CHLK, TAN AND LT GY, CRYPTO TO VV/FN-XLN, SUB SUCRO TO PCKSTONE, HVYTR S-LITHO, DUL LT TO LT YEL FLUOR IP, NO CUT, NO VIS POR

4108-4120, LS-TR WHT TO CRM CHLK, TAN CRYPTO TO TR VV/FN-XLN, TR SUB SUCRO, PACKSTONE, TR S-LITHOGRAPHIC, DLL YEL FLUOR, NO CUT, NO VIS POR, TR RED BRN GY SHALES

LANSING 4120' - 945'

4120-4134- LS HVY TR WHT TO CRM CHLK, TAN GRAYISH IP, TAN, CRYPTO TO VV/FN-XLN, SUB SUCRO TO SUCRO & PACKSTONE, TR SUB LITHOGRAPHIC, DUL LT TO LT YEL FLUOR, NO CUT, NO VIS POR, ABDT CHERT LT GY TO TAN OPQUE

4134-4139 SH-RED BRN TR GY, V/SFT MUSHY WHEN WET

4139-4153' LS- LT GY TO LT TN, CRYPTO-VV/FN-XLN, SUB SUCRO & PACKSTONE, DLL LT YEL FLUOR, NO CUT, SLI TR V/PR MICRO PP POR, W/ ABDT SH REDS BRNS GRY SOFT MUSHY WHEN WET

4153-4164' -LS-ABDT WHT TO CRM CHLK & TAN TO GRAYISH IP, CRYPTO-VV/FN-XLN, DLL YEL TO YEL FLUOR, NO CUT, TR PYRITE, HVY TR PR TO TR FR MICRO PP POR W/ TR CHERT WHT GY TN OPQUE

4164-4195' LS LT GY, TR WHT TO CRM CHLK, TANISH, CRYPTO-VV/FN-XLN, SUB SUCRO, SUB CHLKY, PACKSTONE & TR SUB LITHOGRAPHIC, DLL YEL FLUOR, NO CUT. TR DOS STAIN SLI TR PR TO FR MICRO PP POR, W/ SCATTERED THIN INTERBEDS MED TO DK GY SH

SH-BLK SFT CARB

4195-4206 - LS- HVY TRABDT WHT TO CRM CHLK, TAN, CRYPTO TO VV/FN-XLN, SUB CHLKY SUB SUCRO & PACKSTONE, DLL LT YEL FLUOR, NO CUT, NO VIS POR

4206-4231-LS-TR WHT TO CRM CHLK, TAN GRY IP, CRYPTO TO VV/FN-XLN, SUB SUCRO, SUB CHLKY AND PACKSTONE, DLL YEL FLO, NO VIS POR

MUNCIE CREEK 4231' - 1056'

SH- V/DK GY TO BLK SFT CARB

4233-4239' LS-SIMILAR TO 4206-4231

4239-4246 SH- RED GREEN TR GRY, V/ SFT MUSHY WHEN WET & LS SIMILAR TO 4233-4239

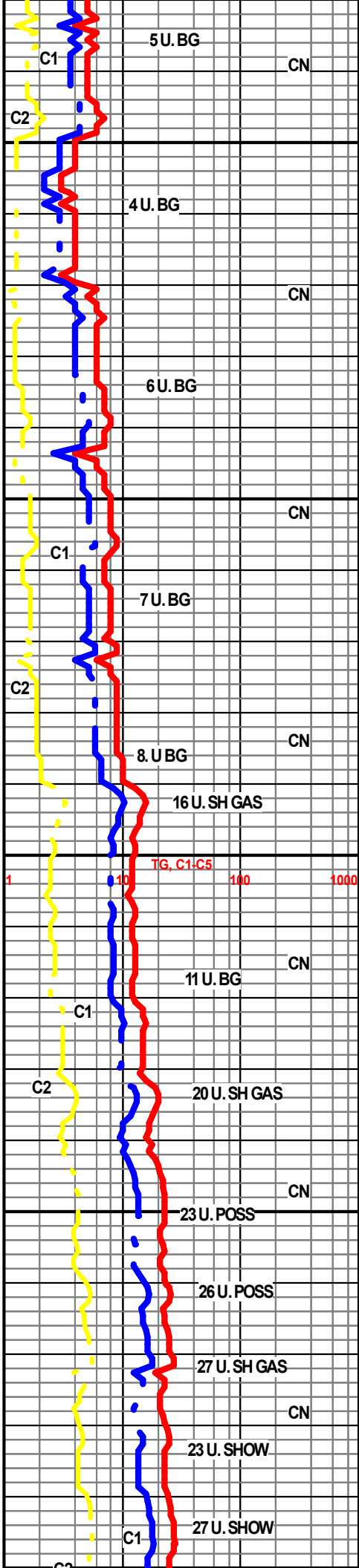
4246-4253' LS-SLI TR WHT TO CRM CHLK, TAN TO LT GY, CRYPTO-VV/FN-XLN TR SUB SUCRO TO TR SUB CHLKY, SUB SUCRO & PACKSTONE, V/DLL YEL FLUOR IP, NO CUT, NO VIS POR, TR FOSS, V/ SLI TR BLK ASPHLT STN IN (1 ROCK), NO FLO

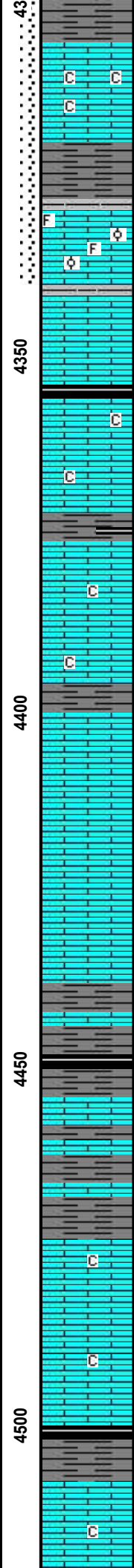
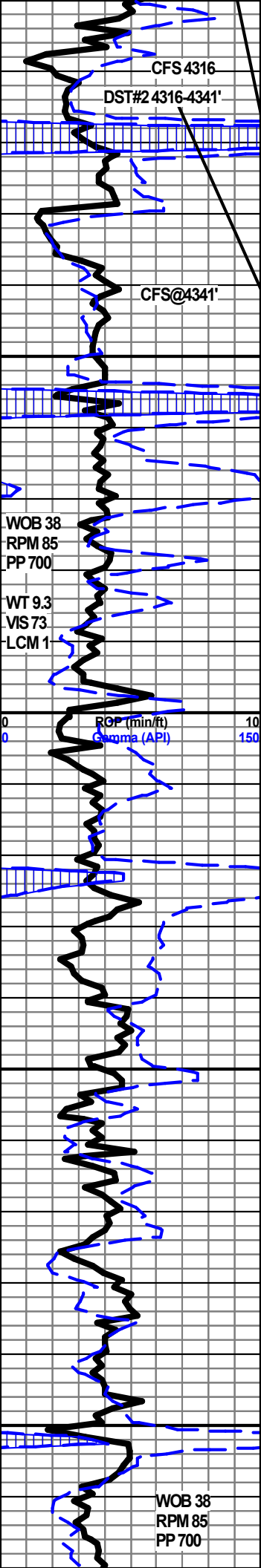
4253-4268 LS- TAN GY IP, CRYPTO-VV/FN-XLN, TR SUB CHLKY, TR SUB SUCRO, PACKSTONE & SUB LITHOGRAPHIC, DLL LT YEL FLUOR, NO CUT, NO VIS POR

4268-4269 SH- V/DK GY TO BLK SFT CARB

4269-4278 SH- GREEN RED & GY, V/ SFT & MUSHY WHEN WET, W/ ABDT LS SIMILAR TO 4253' TO 4268'

4278-4294' LS- ABDT WHT TO CRM CHLK, TAN TO TR LT GY, W/ TR SPTTD BRN OIL STN, TR F-MED-XLN, SUB SUCRO SUB CHLKY & SUCRO, TR PACKSTONE, STAIN HAS DUL GLDEN TO GLDN YEL FLUOR, W/FLSH TO EXCEL STRMING CUTS, TR PR FR TO GD & SI TR EXCEL PP TO VUGULAR POR, SLI TR PR TO FR INTER-XLN POR IP





4293-4307-SH- LT TO MED GY- V/SFT MSHY WET

4307-4316- LSABDT WHT TO CRM CHLK, TAN TOLT GY
CRYPTO-VV/FN-XLN, SUB CHLKY, SUB SUCRO TO TR
SUCRO,PACKSTONE & TR SUB LITHOGRAPHIC, V/DLL YEL
FLUOR, NO CUT, NO VIS POR

LANSING "F" 4329-1154'

4329'4338'- LS - CRM CRM TO TAN W/ABDT EVEN TO SPOTTED
BRN OIL STN ,CRYPTO -VV/FN-XLN,TR SUB CHLKY SUB
SUCRO TO V/SUCRO, DLL GLDN TO BRIT GLDNYEL FLUOR,
FLUSH TO GD STRMING CUTS,ABDT PR TO FR GD TO HVY TR
EXCEL MICRO PP POR & TR SMLL VUGULAR POR,&PROBTR
INTER-XLN POR, STRNG OIL ODOR & TR PHNTM OOLITES

SH-MED TO DK GY TO BLK SFT CARB

4353-4374 -LS TR WHT TO CRM CHLK & TAN GRYISH TAN TR
GY, CRYPTO-VV/FN-XLN, DLL YEL FLUOR , NO CUT NO VIS
POR, SUB CHLKY, SUB SUCRO & PACKSTONE TR
S-LITHOGRAPGIC

4374-4376- SH-V/DK GY TO BLK

4376-4399 LS-TR WHT TO CRM CHLK & LT TAN , CRYPTO TO
VV/FN-XLN,TR S-CHLKY SUB SUCRO PACKSTONE & S-LITHO,
DL YEL FLUOR, NO CUT, NO VIS POR

4396-4399- SH-V/DK GY TO BLK CARB

4399-4438, LS- LT GY TR LT TANTO TAN , CRYPTO TO
VV/FN-XLN,TR S-CHLKY SUB SUCRO, DLL YEL FLUOR, NO
CUT, NO VIS POR

4438-4448 SH-REDS BRNS GRYS W/LS CRM TO GY ,
CRYPTO-XLN, S-CHLKY, DLL YEL FLUOR IP, NO CUT, NO VIS
POR

4448-4453' SH W/ LS SIMILAR TO 4438-4453

4453-4457- LS-TAN GRYISH IP,CRYPTO TO VV/FN-XLN,TR SUB
SUCRO,PACKSTONE AND S-LITHO' DLL YEL FLUOR IP, NO
CUT, NO VIS POR

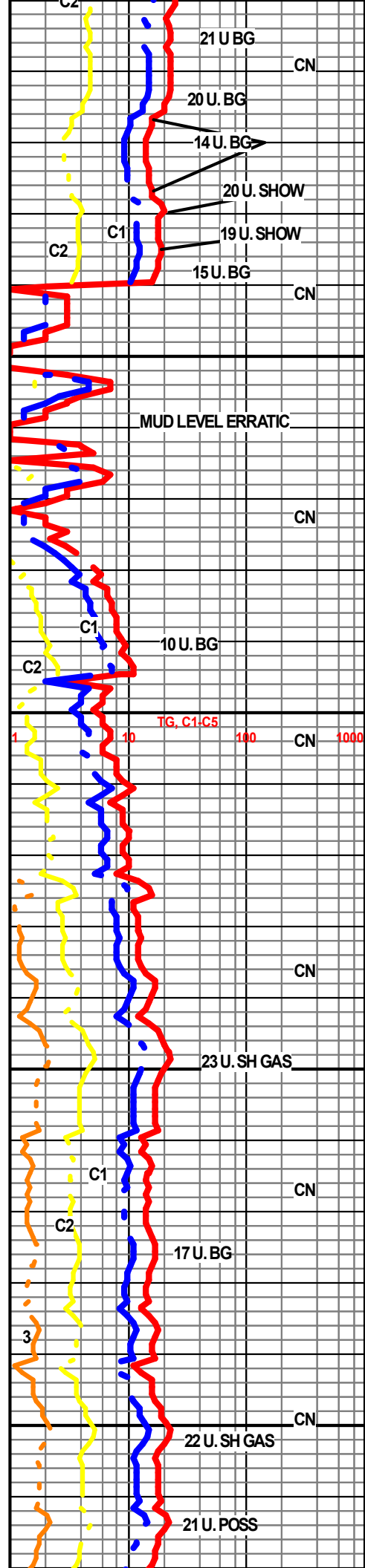
4457-4474 SH- REDS BRNS & GRAYS W/ ADBT CRM SUB CHLK & TANS, CRYPTO
TO VV/FN-XLN, SUB SUCRO & PACKSTONE, TR SUB LITHO, DLL YEL FLUOR IP,
NO CUT, NO VIS POR

4474-4479 LS-TR WHT TO CRM CHLK & LT TAN , CRYPTO TO VV/FN-XLN,TR
S-CHLKY SUB SUCRO PACKSTONE, DLL YEL FLUOR, NO CUT, NO VIS POR
W/WIDELY SCATTERED, LIGHT SPTTD W/BRN OIL STN, DLL YELGLDN
FLUOR,FAINTS TYRMING CUTS IN SUCRO ROCK-TR PR MICRO PP POR POSS
INTER-XLN POR IP

4479-4500 LS-TR WHT TO CRM CHLK & LT TAN , CRYPTO TO
VV/FN-XLN,TR S-CHLKY, TR SUB SUCRO PACKSTONE & TR
S-LITHO, DLL YEL FLUOR IP'S, NO CUT, NO VIS POR

4500-4506 SH- BLK SFT CARB TO MED TO DK GY

4506-4530- LS- LT GRY TO TAN, CRYPTO-VV/FN-XLN,TR SUB
SUCRO, TR SUB CHLKY & PCKSTN, DLL LT YEL FLUOR IP'S,
NO CUT, NO VIS POR



WT 9.4
VIS 66
LCM 1

CHEROKEE 4533' -1358'

4530-4533-SH-DK GY TO BLK SFT CARB

4533-4545- LS-TAN GRAYISH TAN TO LT GY, CRYPTO-VV/FN-XLN, TR SUB CHLKY TO SUB SUCRO & PACKSTN, TR PHNTOM OOLITIC, DLL YEL FLUOR TO SLI YEL FLUOR, NO CUT, NO VIS POR, W/ABDT SH REDS MED TO V/ DK GRY AND BRNS

4545-4557' LS-TAN TO GRAYISH TAN TO TR LT GY, CRYPTO-VV/FN-XLN, SUB CHLK, SUB SUCRO, & PCKSTONE, DLL YEL FLUOR, NO CUT, SLI TR W/ DOS, NO VIS POR

4557-4562' SH-BLK BLK TO VDK GRY

4562-4592' INTERBEDDED LS & SHALES 1. LS-CRM TO TAN, CRYPTO-VV/FN-XLN, SUB CHLK TO SUB SUCRO & PACKSTONE, TR S-LITHO, DLL LT YEL TO TR LT YEL FLUOR, NO CUT, NO VIS POR, W/SLI TR CHERT LT GY OPQUE

SHALES -REDS BRNS DK GY

4592-4594' SH-V/DKGY TO BLK CARB

4594-4603 & SH SIMILAR 4562-4592 W/TR GREEN SH

4603-4605 SH-V/DK GY TO BLACK CARB

4605-4615 SH-REDS BRNS GRAY GREEN W/TR TAN TO GRAY CRYPTO-VV/FN-XLN SUB CHLK SUB SUCRO & PCKSTONE TR S-LITHO, SLI TR BRN TO BLK SPTTD OIL STN, VV/DLL YEL FLUOR, V/SLW MLKY CUT, V/PR PP POR

4615-4625' INTERBEDDED LS & SH, 1. LS-LT GRY TO TAN CRYPTO-VV/FN-XLN TR SUB CHLKY, TR SUB SUCRO PACKSTONE & SUB LITHO, DLL YEL FLUOR IP, NO CUT, NO VIS POR

4626-4629 LS-LT GY TO TAN CRYPTO-VV/FN-XLN TR SUB CHLKY TR SUB SUCRO PACKSTONE TR S-LITHO, DLL YEL FLUOR, NO CUT, NO VIS POR, TR CHERT LT GRY OPQUE

4629-4635' LS-SIMILAR TO 4625-4629 W. HVY TR SH -GRY RED & BRN

4635-4646' LS-TAN TO GRY TAN, CRYPTO-VV/FN-XLN, DLL YEL FLUOR, NO CUT, NO VIS POR & ABDT EVEN SPTTD BRN TO BLK OIL STN W/ DLL GLDN TO GLDN YEL FLUOR, W/ FLSH TO EXCEL STRMING CUTS, ABDT PR TR GD TO EXCEL MICRO PP, SM VJUG POR & PROB INTER-XLN POR IP, SHOW ROCK SUB SUCRO TO SUCRO TR PCKSTN HVY TR CHERT GY TAN OPQUE

4646-4655- LS-SIMILAR 4635-4646 W/ONLY SLI TR W/ SHOWS & TR SH-RED BRNS GRAY

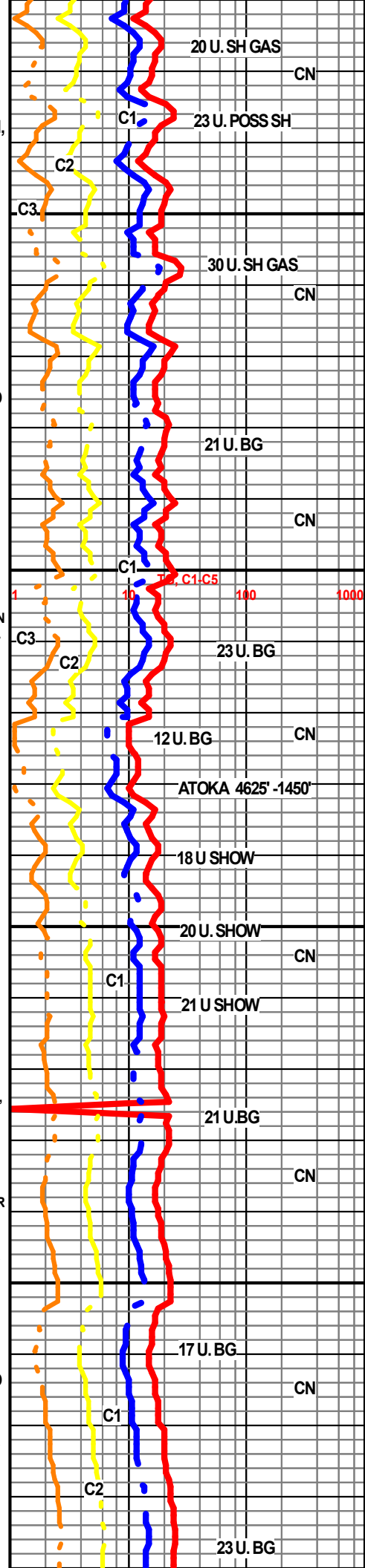
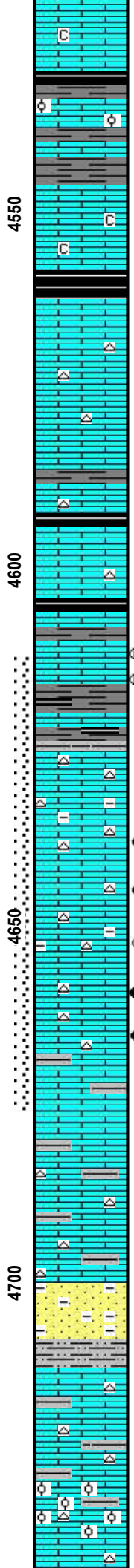
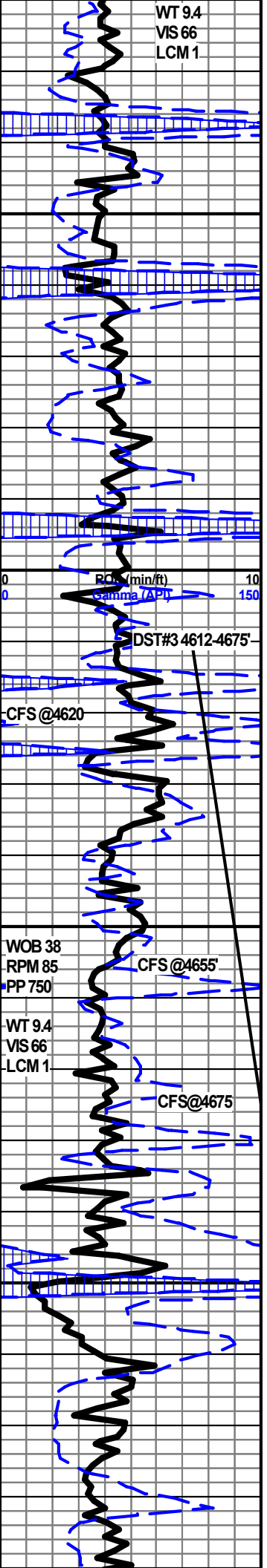
4655-4666' LS-TAN GRY IP, CRYPTO-VV/FN-XLN, TR SUB CHLK, PACKSTONE, TR S-LITHO, DLL YEL FLUOR, NO CUT, NO POR, W TR SPTTD TO EVEN BRN OIL STN, DLL GLDN TO GLDN YEL FLUOR, FLSH TO GD STRMING CUTS, TR PR TO FR MICRO PP POR & POSS SLI TR W/INTER-XLN POR, W/ TR CHERT GRY TO TAN OPQUE

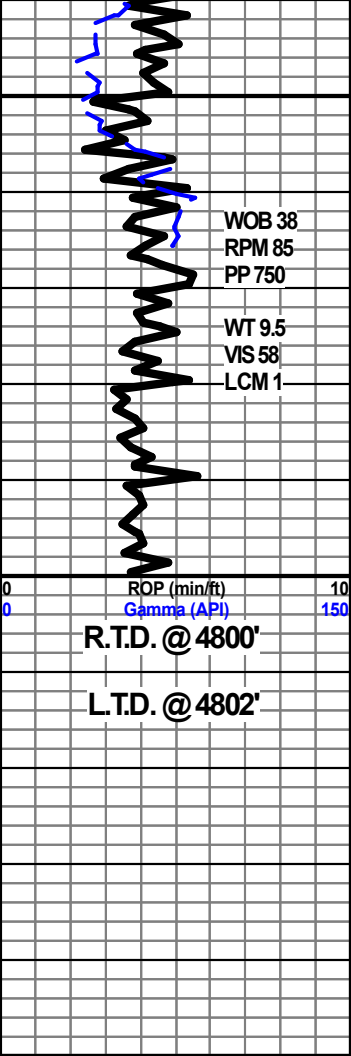
4666-4684 LS-LT GRY TO TAN, CRYPTO-VV/FN-XLN, SUB-CHLK, TR SUB SUCRO, PCKSTN & SUB LITHO, V/DLL YEL FLUOR, NO CUT NO VIS POR, W/HVY TR TO ABDT SH-RED BRNS GRAYS

4684-4700' INTERBEDDED LS & SHALES LS-TR WHT TO CRM CHLK & TAN TR GRY CRYPTO-VV/FN-XLN, TR SUB CHLK, TR SUB SUCRO PACKSTONE & S-LITHO, DLL YEL TO SLI TRY EL FLUOR, NO CUT NO VIS POR, TR TO EXTREME ABDT CHERT ORANG TAN CRM, SH-MED GY SFT MSHY RED BRN GREEN IP

4700-4711- QUTZ SDST- WHTISH GRY TO V/ LT GY- COARSE TO MED FINE IP GRADING TO SILTST IN BOTTOM, ANG GRDNG TO SUB RND, PR TO FR SRT, EXTREMELY ABDT CLAY FILLED, CARBONACEOUS SPECKS & PARTINGS, NO FLUOR, NO CUT, COARSE TO MED GRAIN HAS TR GD TO EXCEL INTER GRAIN POR, HVY TR TO ABDT LOOSE QUTZ GRAINS, CLEAR TO FRSTY GRAINS

4711-4725-LS- INTE RBEDDED LS W/CHERT & SH SIMILAR 4684-4700





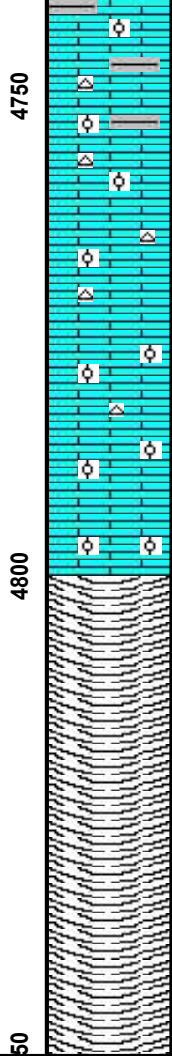
WOB 38
RPM 85
PP 750

WT 9.5
VIS 58
LCM 1

ROP (min/ft)
Gamma (API)

R.T.D. @ 4800'

L.T.D. @ 4802'



4725-4734 LS- TR TO HVY TR WHT CRM CHLK, TR WHT OOLITES, TAN TR GRYISH, CRYPTO-VV/FN-XLN, V/ TO EXTERMY OOLITIC (SMLL TOMED TR LRG OOLITES), SUB CHLK, SUB SUCRO, TR PCKSTN, V/DLL YEL FLUOR, NO CUT, NO VIS POR W/ TR CHERT LT TO MED GRYTO YELLOW TAN, OPWUE

4725-4754' LS SIMILAR 4725-4734 W/ INTERBEDD LS TAN TR GRYISH, CRYPTO-VV/FN-XLN PACKSTONE, SUB LITHO, DLL YEL TO TRYEL FLUOR, NO CUT, NO VIS POR, W/ TR TO HVY TR CHERT GRYTAN & TRYEL TAN CPQUE

4754-4760' -LS- LS-SIMILAR TO 4725-4734 W/ABDT WHT TO CRM CHLK, NOTE; TR SILTST LT GREEN CLAYFILLED, NO FLUOR, CUT OR VIS POR

4760-4800- LS- TAN GRAYISH TAN I, CRYPTO-VV/FN-XLN, TR SUB SUCRO PACKSTONE & TR SUB LITHO, DLL YEL TO TR YEL FLUOR, NO CUT,NO VIS POR, W/ TR LS SIMILAR TO 4725-4734, NO CHERT

R.T.D. @ 1 :00 PM APRIL 11, 2019

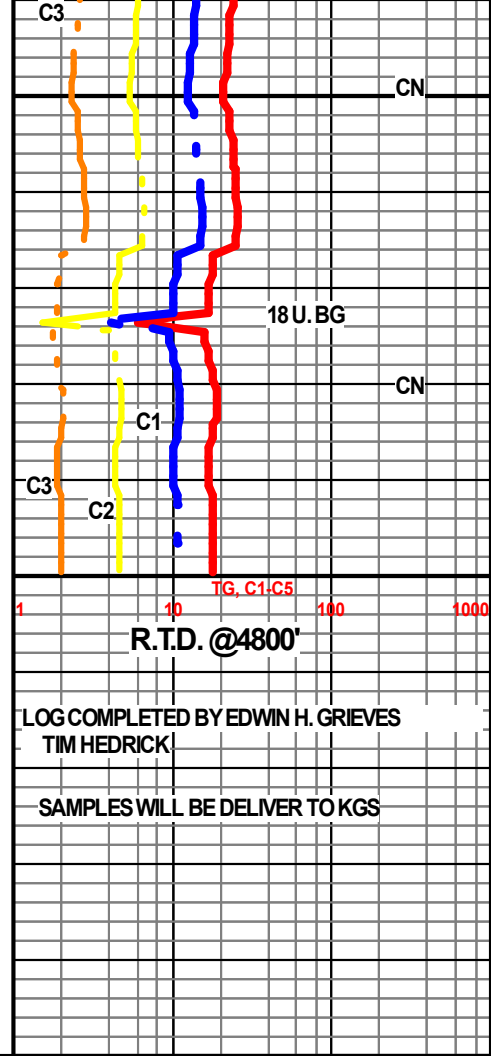
CFS FOR 1 HOUR

SHORT WIPER TRIP

TRIP OUT FOR LOGS

PIONEER / HAYS KANSAS

FINISH LOGGING 12:25 AM APRIL 12, 2019



R.T.D. @ 4800'

LOG COMPLETED BY EDWIN H. GRIEVES
TIM HEDRICK

SAMPLES WILL BE DELIVER TO KGS

September 03, 2019

Michael Bone
Youngstown Operating, LLC
14612 HERTZ QUAIL SPRINGS PARKWAY
OKLAHOMA CITY, OK 73134-2643

Re: ACO-1
API 15-109-21589-00-00
WASSEMILLER 1-10
SW/4 Sec.10-11S-34W
Logan County, Kansas

Dear Michael Bone:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 4/2/2019 and the ACO-1 was received on September 03, 2019 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Job Log


| | | | | | |
|--------------------|-----------------------------------|------------------|-----------------------|-------------------|-----------------|
| Customer: | Youngstown Operating LLC | Cement Pump No.: | 38119-19570 7 HRS | Operator TRK No.: | 96815 |
| Address: | 14612 Hertz Quail Springs Parkway | Ticket #: | 1718-19391 L | Bulk TRK No.: | 27808-19883 |
| City, State, Zip: | Oklahoma City, Ok 73134 | Job Type: | Z42 Production Casing | | |
| Service District: | | Well Type: | OIL | | |
| Well Name and No.: | WasseMiller #1-10 | Well Location: | 10-11S-34W | County: | Logan State: Ks |

| Type of Cmt | Sacks | Additives | Truck Loaded On | | |
|-------------|-------|---|-----------------|-------|------|
| A-CON BLEND | 50 | 3%CaCl, 1/4#POLYFLAKE | 27808-19883 | Front | Back |
| 50/50 POZ | 135 | 5%GYPSUM, 10%SALT, 5#GILSONITE, .5%C-17, 1/4#DEFOAMER | | Front | Back |
| | | | | Front | Back |

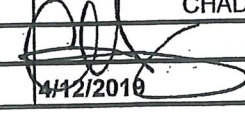
| Lead/Tail: | Weight #1 Gal. | Cu/Ft/sk | Water Requirements | CU. FT. | Man Hours / Personnel | |
|--------------|----------------|----------|--------------------|---------|-----------------------|----|
| Lead: | 11.4 | 2.95 | 18.1 | 147.5 | Man Hours: | 37 |
| Tail: | 13.8 | 1.49 | 6.65 | 201.15 | # of Men on Job: | 3 |

| Time (am/pm) | (BPM) | Volume (BBLs) | Pumps | | Pressure(PSI) | | Description of Operation and Materials |
|--------------|-------|---------------|-------|---|---------------|----------|--|
| | | | T | C | Tubing | Casing | |
| 8:00 | | | | | | | ON LOC, SAFTEY MTG, R.U. |
| 14:40 | | | | | | 2500 | TEST LINES |
| 2:40 PM | 5.5 | 12 | | | | 130 | PUMP MUD FLUSH |
| 2:45 PM | 5.5 | 5 | | | | 130 | H2O SPACER |
| 2:50 PM | | | | | | | PLUG RAT HOLE |
| 14:58 | 7 | | | | | 260 | START SCAVENGER @ 11.4# |
| 15:00 | 7 | 13 | | | | 210 | ON 50/50 POZ @ 13.8# |
| 3:10 PM | | 36 | | | | | SHUT DOWN, DROP PLUG, WASHUP |
| 15:15 | 7 | | | | | 80 | START DISPLACEMENT |
| 15:29 | 2.9 | 92 | | | | 300 | SLOW RATE |
| 15:37 | | 112.6 | | | | 680-1420 | PLUG DOWN |
| 15:40 | | | | | | | RELEASED PSI, FLOAT HELD |
| | | | | | | | JOB COMPLETE |
| | | | | | | | THANK YOU FOR YOUR BUSINESS!!! |

| | | | | | |
|-----------------|------------|-------|--------|----------|-------|
| Size Hole | 9 7/8 | Depth | | TYPE | |
| Size & Wt. Csg. | 5 1/2 19.5 | Depth | 4772.6 | Packer | Depth |
| fbg. | | Depth | | Retainer | Depth |
| Top Plugs | | Type | | Perfs | CIBP |

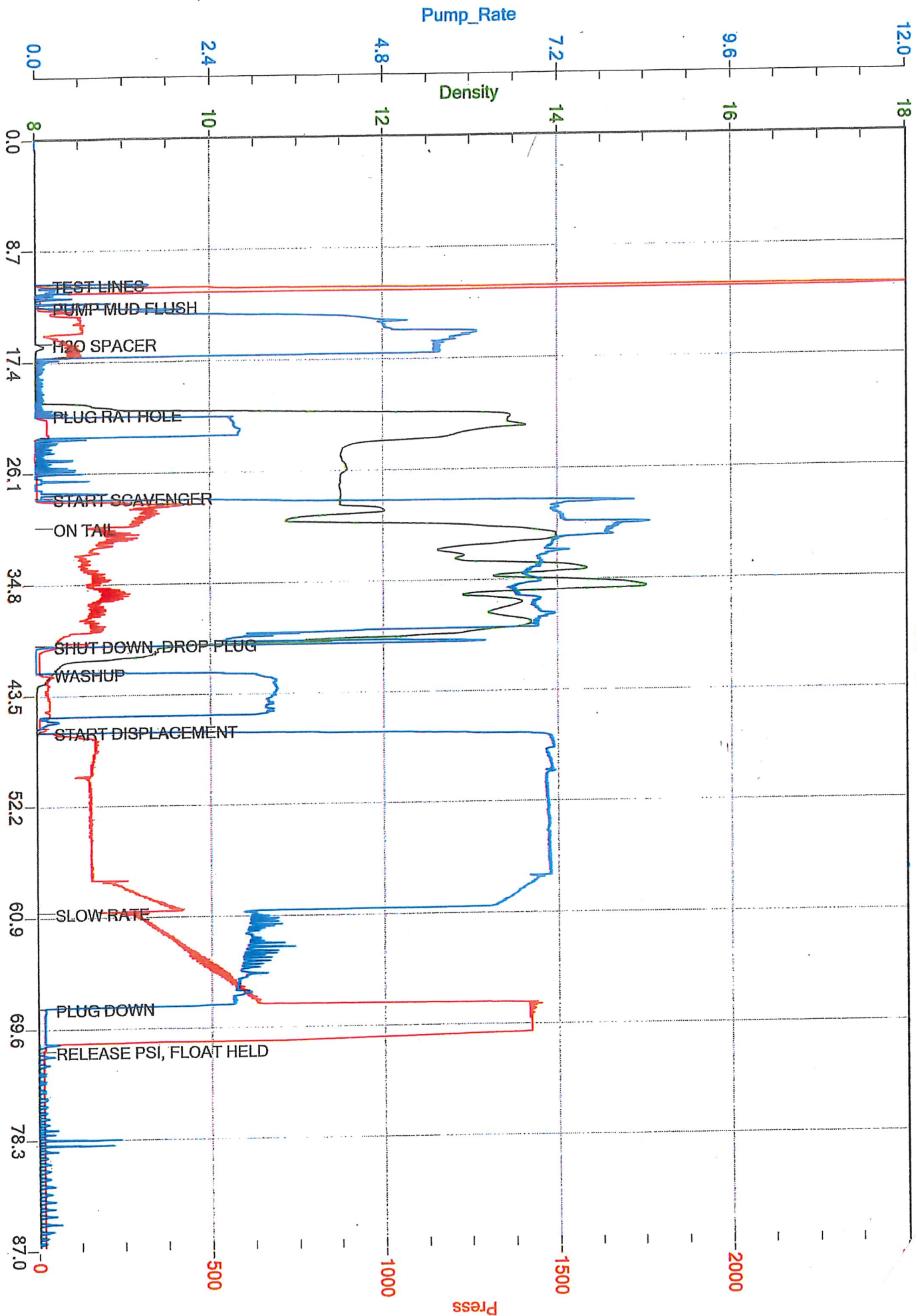
Customer Signature: 

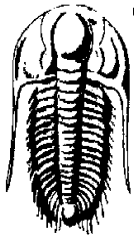
Basic Representative: CHAD HINZ

Basic Signature: 

Date of Service: 4/12/2010

YOUNGSTOWN WMI 1-10





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Youngstown Operating
 14612 Hertz Quail Springs Parkway
 Oklahoma City, Ok 73134
 ATTN:

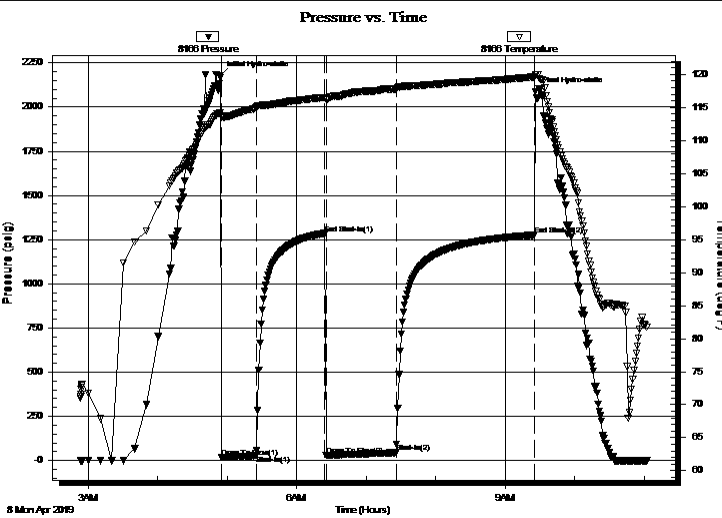
10-11-34 Logan, Ks
Wassemiller 1-10
 Job Ticket: 65169 **DST#: 1**
 Test Start: 2019.04.08 @ 02:53:24

GENERAL INFORMATION:

Formation: **Lansing E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:55:24
 Time Test Ended: 11:02:54
 Interval: **4310.00 ft (KB) To 4361.00 ft (KB) (TVD)**
 Total Depth: 4361.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3179.00 ft (KB)
 3174.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 44.43 psig @ 4315.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.08 End Date: 2019.04.08 Last Calib.: 2019.04.08
 Start Time: 02:53:29 End Time: 11:02:53 Time On Btm: 2019.04.08 @ 04:53:54
 Time Off Btm: 2019.04.08 @ 09:26:24

TEST COMMENT: IF: 1/2 blow built to 2.
 IS: No return.
 FF: Surface blow built to 3/4.
 FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2178.18 | 114.23 | Initial Hydro-static |
| 2 | 17.07 | 113.66 | Open To Flow (1) |
| 31 | 28.06 | 115.00 | Shut-In(1) |
| 91 | 1285.22 | 116.51 | End Shut-In(1) |
| 92 | 29.04 | 116.22 | Open To Flow (2) |
| 152 | 44.43 | 117.77 | Shut-In(2) |
| 272 | 1276.00 | 119.61 | End Shut-In(2) |
| 273 | 2086.58 | 119.96 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 60.00 | ocm 2%o 98%m | 0.30 |
| 2.00 | ocm 10%o 90%m | 0.01 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Youngstown Operating

10-11-34 Logan, Ks

14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134

Wassemiller 1-10

Job Ticket: 65169

DST#: 1

ATTN:

Test Start: 2019.04.08 @ 02:53:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------|----------------|
| 60.00 | ocm 2%o 98%m | 0.295 |
| 2.00 | ocm 10%o 90%m | 0.010 |

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

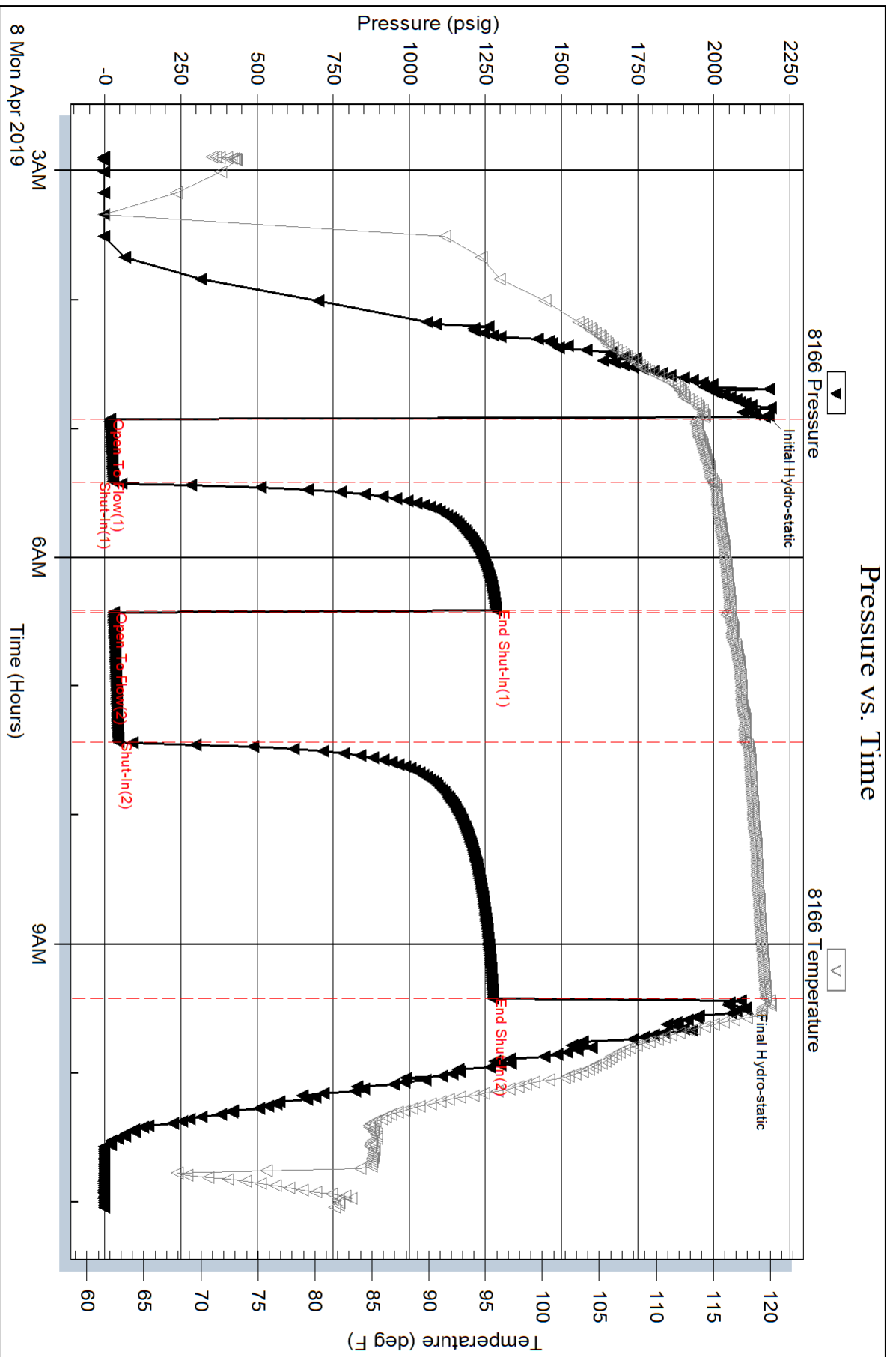
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



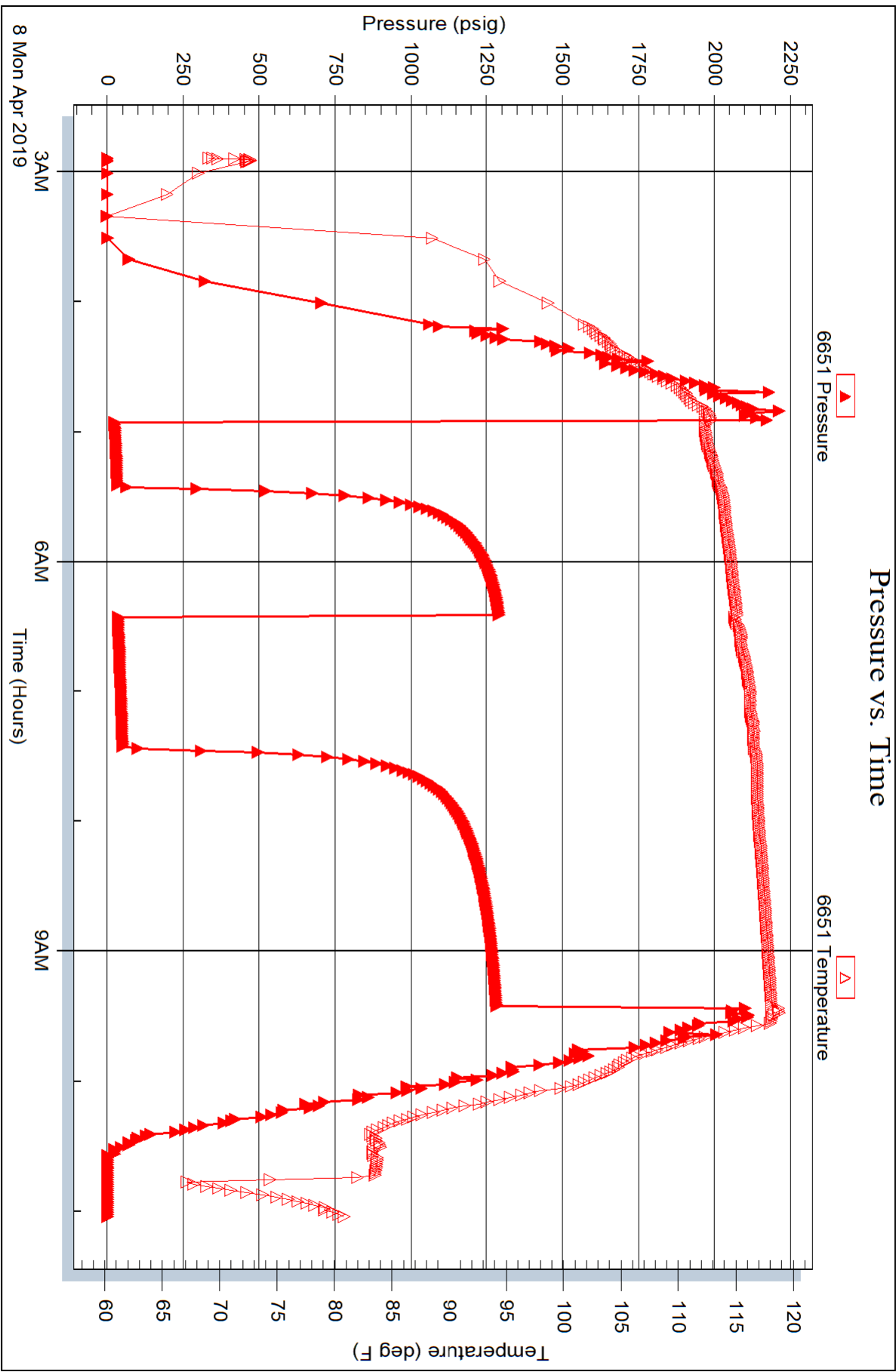
Serial #: 6651

Inside

Youngstown n Operating

Wassertiller 1-10

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Youngstown Operating
14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134
ATTN:

10-11-34 Logan, Ks
Wassemiller 1-10
Job Ticket: 65170 **DST#: 2**
Test Start: 2019.04.08 @ 19:51:07

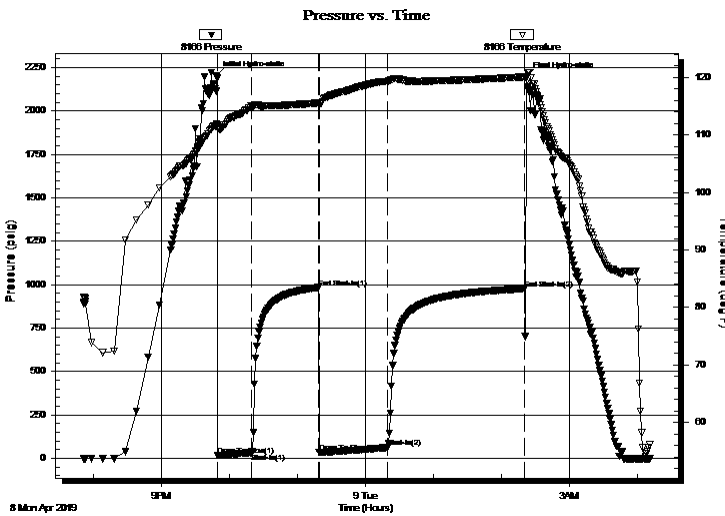
GENERAL INFORMATION:

Formation: **Lansing F**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 21:49:37 Tester: Brandon Turley
Time Test Ended: 04:11:07 Unit No: 79
Interval: 4316.00 ft (KB) To 4341.00 ft (KB) (TVD) Reference Elevations: 3179.00 ft (KB)
Total Depth: 4316.00 ft (KB) (TVD) 3174.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 62.55 psig @ 4321.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.04.08 End Date: 2019.04.09 Last Calib.: 2019.04.09
Start Time: 19:51:12 End Time: 04:11:06 Time On Btm: 2019.04.08 @ 21:48:37
Time Off Btm: 2019.04.09 @ 02:22:07

TEST COMMENT: IF: 1/4 blow built to 2 1/2.
IS: No return.
FF: Surface blow built to 1 3/4.
FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2200.70 | 111.92 | Initial Hydro-static |
| 1 | 17.09 | 111.27 | Open To Flow (1) |
| 31 | 32.51 | 114.98 | Shut-In(1) |
| 90 | 983.48 | 115.57 | End Shut-In(1) |
| 91 | 34.21 | 115.10 | Open To Flow (2) |
| 151 | 62.55 | 119.34 | Shut-In(2) |
| 272 | 976.29 | 120.10 | End Shut-In(2) |
| 274 | 2195.99 | 119.83 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 60.00 | mcw 60%w 40%m | 0.30 |
| 60.00 | w cm oil spots 15%w 85%m | 0.32 |
| 1.00 | free oil 100%o | 0.01 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Youngstown Operating

10-11-34 Logan, Ks

14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134

Wassemiller 1-10

Job Ticket: 65170

DST#: 2

ATTN:

Test Start: 2019.04.08 @ 19:51:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 60.00 | mcw 60%w 40%m | 0.295 |
| 60.00 | wcm oil spots 15%w 85%m | 0.322 |
| 1.00 | free oil 100%o | 0.014 |

Total Length: 121.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .37@50=26000

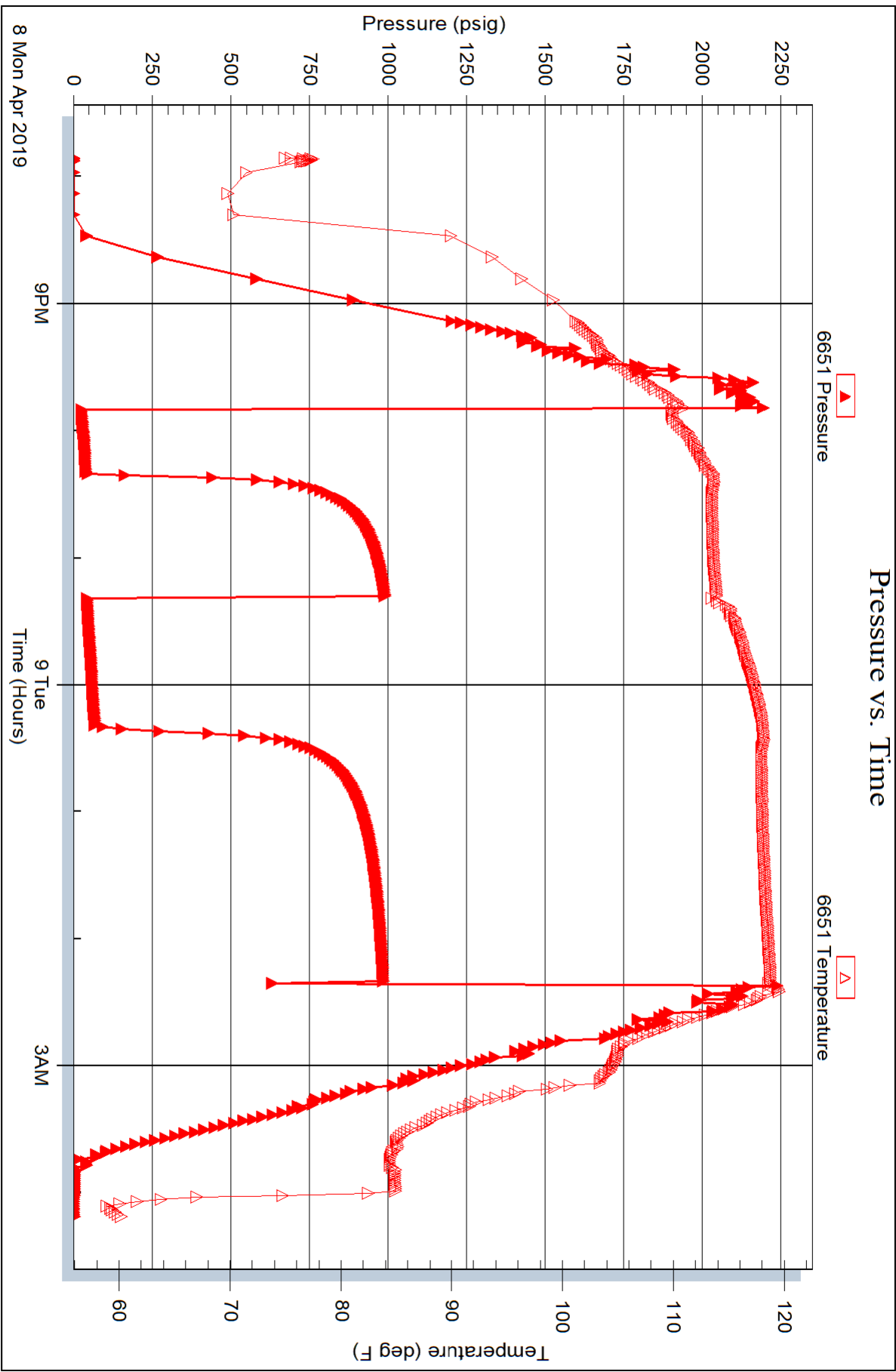
Serial #: 6651

Inside

Youngstown n Operating

Wassertiller 1-10

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Youngstown Operating

10-11-34 Logan, Ks

14612 Hertz Quail Springs Parkway
Oklahoma City, Ok 73134

Wassemiller 1-10

Job Ticket: 65171

DST#: 3

ATTN:

Test Start: 2019.04.10 @ 14:32:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | mud 100%m | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

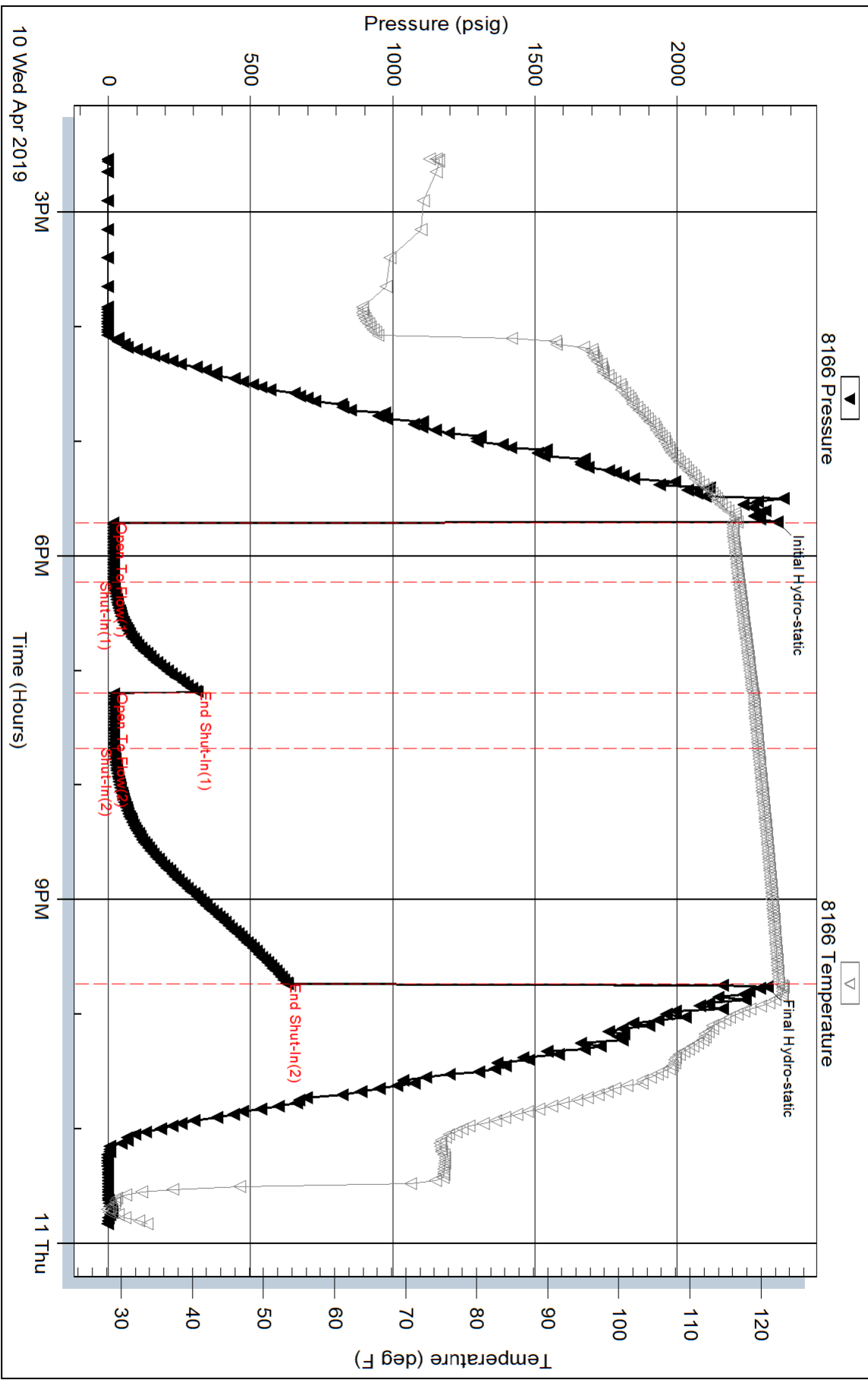
Serial #: 8166

Outside Youngstown n Operating

Wassertiller 1-10

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65171

Printed: 2019.04.11 @ 07:21:39

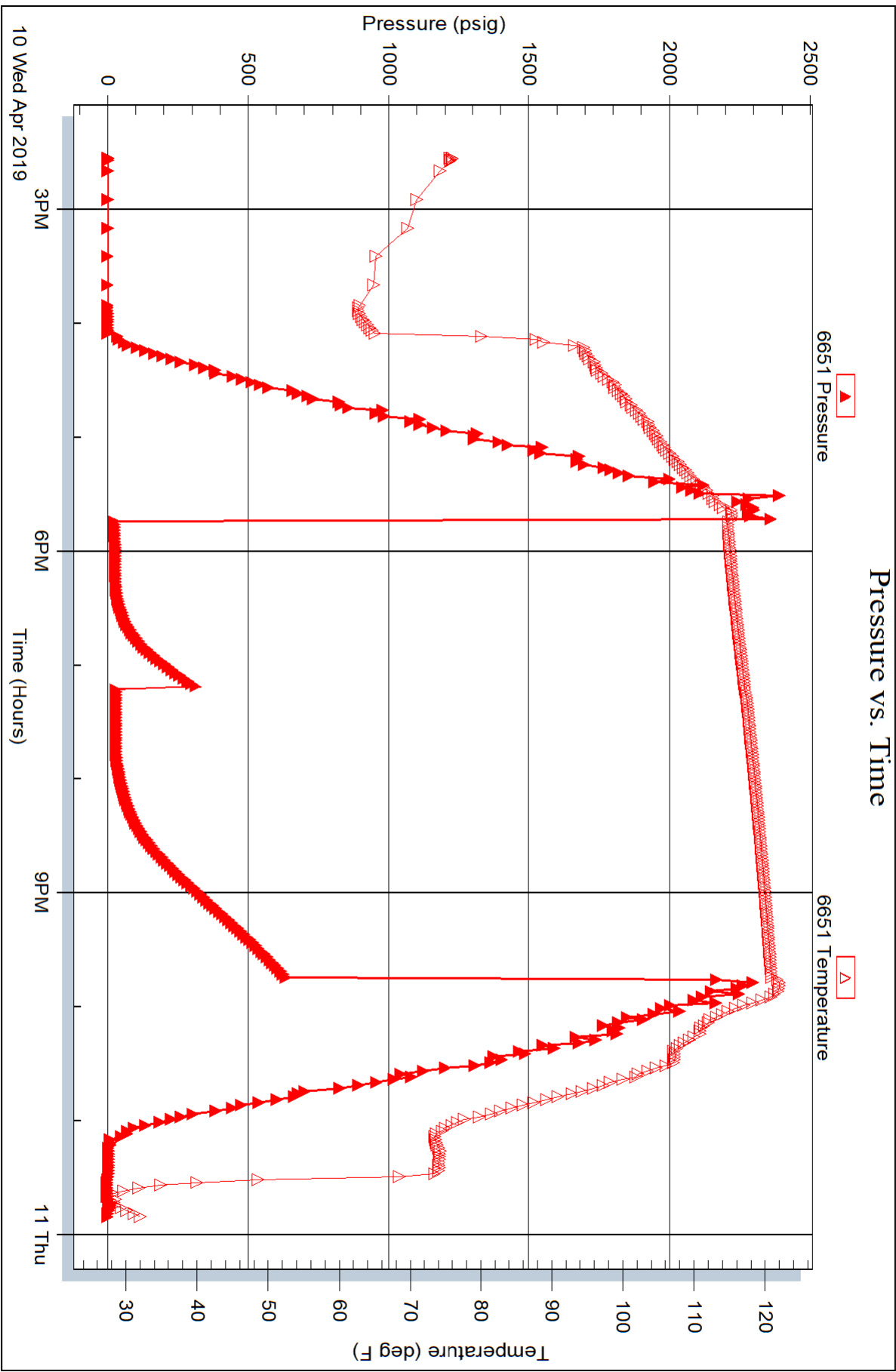
Serial #: 6651

Inside

Youngstown Operating

Wassertiller 1-10

DST Test Number: 3





CEMENT TREATMENT REPORT

| | | | | | |
|--------------|--------------------------|---------|---------------------|----------|-----------|
| Customer: | Youngstown Operating LLC | Well: | Wassemiller #1-10 | Ticket: | ICT2491 |
| City, State: | Oklahoma City, OK | County: | Logan, KS | Date: | 10/1/2019 |
| Field Rep: | Jeff Finnell | S-T-R: | Sec10 - T11S - R34E | Service: | PTA |

| Downhole Information | |
|----------------------|----------|
| Hole Size: | 7.875 in |
| Hole Depth: | ft |
| Casing Size: | 5.5 in |
| Casing Depth: | 4774 ft |
| Tubing / Liner: | in |
| Depth: | ft |
| Tool / Packer: | CIBP |
| Depth: | 4600 ft |
| Displacement: | bbbls |

| Calculated Slurry | |
|-------------------|---------------------------|
| Weight: | 13.8 # / sx |
| Water / Sx: | 6.93 gal / sx |
| Yield: | 1.43 ft ³ / sx |
| Bbls / Ft.: | |
| Depth: | ft |
| Annular Volume: | 0 bbls |
| Excess: | |
| Total Slurry: | 0.0 bbls |
| Total Sacks: | 400 sx |

| Product | % / # | # |
|------------|-------|-------|
| Class A | 60.00 | 22560 |
| Poz | 40.00 | 11840 |
| Gel | 4.00 | 1376 |
| CaCl | | |
| Gypsum | | |
| Metso | | |
| Kol Seal | | |
| Flo Seal | | |
| Salt (bww) | | |

Total 35,776

| TIME | RATE | PSI | BBLs | REMARKS |
|-------|------|---------|------|---|
| 8:00 | | | | Call out |
| 9:00 | | | | Depart yard |
| 9:50 | | | | Arrive on locn |
| 9:55 | | | | JSA, discuss moving on, spotting & rig-up of equipment |
| 10:00 | | | | Move on, spot & rig-up equipment |
| 10:15 | | | | Rig-up complete |
| 10:25 | 3.0 | | | Pump H2O ahead |
| 10:26 | | 1,000.0 | | Shutdown, casing pressured up. Slowly bleeding off |
| 10:27 | | | | Bleed off |
| 10:28 | 1.0 | | | Pump H2O ahead |
| 10:29 | | 800.0 | | Shutdown, casing pressured up. Slowly bleeding off |
| 10:30 | | | | Bleed off. Wait on perforators |
| 12:25 | | | | W/L on locn |
| 12:35 | | | | RIH w/ perforating guns to 2635' |
| 13:08 | 1.0 | 350.0 | | Pump H2O ahead |
| 13:12 | | 800.0 | 4.0 | Shutdown, casing pressured up. Slowly bleeding off |
| 13:14 | 1.5 | 650.0 | | Pump H2O ahead |
| 13:20 | | | 15.0 | Stop |
| 13:22 | 2.0 | 700.0 | 19.0 | Mix & pump 75sx cement slurry @ 13.8ppg. Y - 1.43cuf/sk; MR - 6.93g/sk |
| 13:28 | 4.0 | 1,000.0 | | Displace w/ H2O |
| 13:44 | | | 57.0 | Stop. Bleed back 10bbls to 0psi |
| 14:00 | | | | W/L RIH w/ cutter to 1648' |
| 14:38 | 3.0 | 400.0 | | Pump H2O ahead |
| 14:40 | | | 6.0 | Shutdown. |
| 14:42 | 4.0 | 200.0 | | Pump H2O ahead & slowly work pipe w/ pipe jack. Returns to pit |
| 14:50 | | | 30.0 | Shutdown. |
| 15:25 | 3.0 | 100.0 | 35.0 | Mix & pump 1000# gel |
| 15:35 | 3.5 | 100.0 | 25.5 | Mix & pump 100sx cement slurry @ 13.8ppg. Y - 1.43cuf/sk; MR - 6.93g/sk |
| 15:45 | 4.0 | 100.0 | 20.0 | Displace w/ H2O |
| 15:52 | | | | Shutdown |
| 16:00 | | | | W/L RIH w/ cutter to |
| 16:15 | | | | Rig POH w/ casing to 360' |
| 17:35 | 3.0 | 100.0 | | Mix & pump 110sx cement slurry @ 13.8ppg. Y - 1.43cuf/sk; MR - 6.93g/sk |
| 17:42 | 3.0 | 100.0 | 21.0 | Cement to surface |
| 17:44 | | | 28.0 | Pump H2O behind |
| 17:45 | 1.5 | 50.0 | 1.5 | Shutdown |
| 17:50 | | | | Rig POH w/ casing |



Pioneer Energy Services

DATE: 09/30/2019

LOCATION: Hays, KS (Wireline) Tim Martin (785) 625-3858

UNIT: P-106

ENGINEER: Michael Hiss

TICKET NUMBER: T-EB9-ECA-7097

| | | | | | | |
|-------------|---|-------|------------------|---------------------|------------------------|-----------------|
| CLIENT INFO | COMPANY: Youngstown Operating, LLC | | | PO#: | | |
| | BILLING ADDRESS: 14612 Hertz Quail Springs Pkwy | | | CITY: Oklahoma City | ST: OK | ZIP: 73134 |
| WELL INFO | WELL NAME: Wassemler No.1-10 | | FIELD / BLOCK: | | COUNTY / PARISH: Logan | ST: KS - Kansas |
| | API / OCSG#: | AFE#: | PRICE ZONE: LAND | | | Page 1 of 3 |

| CODE | SERVICE DESCRIPTION | QTY | AMOUNT |
|--|---------------------------------------|------|----------|
| Setup Charges - Rig up off of Rig | | | |
| 10000 | Truck Rental / Rig up | 1 | \$438.90 |
| Run 01 - Set 5 1/2" CIBP | | | |
| 15071 | Min Depth Charge | 6000 | \$478.80 |
| 15090 | CCL@ 4592.5' + 7.5' Stand Off = 4600' | 1 | \$442.89 |
| Run 02 - Dump Cement On Plug | | | |
| 15021 | Min Depth Charge | 6000 | \$347.13 |
| 15022 | Dump cement | 1 | \$478.80 |
| Run 03 - Cut Casing @ | | | |
| 16391 | Min Depth Charge | 6000 | \$454.86 |
| 16392 | CCL@ 2654' + 4' Stand Off = 2658' | 1 | \$558.62 |



Pioneer Energy Services

DATE: 09/30/2019

LOCATION: Hays, KS (Wireline) Tim Martin (785) 625-3858

UNIT: P-106

ENGINEER: Michael Hiss

TICKET NUMBER: T-EB9-ECA-7097

| | | | | | |
|-------------|---|-------|---------------------|--------|------------------------|
| CLIENT INFO | COMPANY: Youngstown Operating, LLC | | PO#: | | |
| | BILLING ADDRESS: 14612 Hertz Quail Springs Pkwy | | CITY: Oklahoma City | ST: OK | ZIP: 73134 |
| WELL INFO | WELL NAME: Wassemler No.1-10 | | FIELD / BLOCK: | | COUNTY / PARISH: Logan |
| | API / OCSG#: | AFE#: | PRICE ZONE: LAND | | ST: KS - Kansas |

Work Order Contract / Terms and Conditions

- A. CUSTOMER REPRESENTATION: Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by Pioneer Wireline Services, LLC (hereinafter "Pioneer").
- B. PRICE AND PAYMENT: Pioneer's prices are based on the Customer RELEASING, DEFENDING, INDEMNIFYING AND HOLDING HARMLESS Pioneer from certain liabilities as provided herein. If Pioneer has an approved open account with Customer, invoices are payable Net 30-days from the date of invoice. If Pioneer does not have an approved open account with Customer, all sums are payable prior to performance of services or delivery of equipment, products or materials. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Pioneer employs an attorney for collection of any account, Customer agrees to pay actual attorneys' fees, plus all collection and court costs. Any tax based on or measured by the charges made for the cash receipts from the sale of products and/or services shall be in addition to the charge stated in the price schedule.
- C. RELEASE AND INDEMNITY : CUSTOMER AGREES TO RELEASE PIONEER FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAD THE ABILITY TO BIND BY CONTRACT OR WHICH ARE CO-INTEREST OWNERS OR JOINT VENTURES WITH CUSTOMER. CUSTOMER ALSO AGREES TO DEFEND, INDEMNITY AND HOLD PIONEER HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM: LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND CONTAMINATION AND ITS CLEANUP AND CONTROL.
- CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE PIONEER GROUP, THE UNSEAWORTHINESS OF ANY VESSEL, OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY ANY MEMBER OR MEMBERS OF THE PIONEER GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "PIONEER GROUP" IS DEFINED AS PIONEER WIRELINE SERVICES, LLC, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES, INSURERS AND SUBCONTRACTORS AND ALL ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, CONSULTANTS AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE PIONEER GROUP, CUSTOMER OR ANY OTHER PERSON OR ENTITY. CUSTOMER AGREES TO NAME PIONEER GROUP AS NAMED ADDITIONAL INSURED ON ALL OF ITS GENERAL LIABILITY POLICY(S). CUSTOMER AGREES THAT ITS LIABILITY UNDER THIS CONTRACT IS NOT LIMITED BY THE AMOUNTS OF ITS INSURANCE COVERAGE, EXCEPT WHERE AND AS MAY BE REQUIRED BY APPLICABLE LOCAL LAW FOR THE PROVISIONS OF THIS CONTRACT TO BE ENFORCEABLE.
- D. EQUIPMENT LIABILITY: Customer shall at its risk and expense attempt to recover any Pioneer Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and Customer agrees that should a sealed source of radioactive material be lost or lodged in the well, special precautions will be taken by Customer in fishing operations to avoid damage or breakage of source container and that, if source is not recovered, it will be isolated by cementing it in place or fixing it in well by some other appropriate means, in accordance with NRC regulations or any other applicable laws or regulations. Customer shall permit Pioneer to monitor the recovery or abandonment efforts all at no risk or liability to Pioneer Group. Customer shall be responsible for damage to or loss of Pioneer Group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Pioneer at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Pioneer Group equipment damaged by corrosion or abrasion due to well effluents.
- E. WARRANTY: PIONEER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. In no event shall Pioneer be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, PIONEER IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS OR SERVICES, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY PIONEER GROUP. Customer agrees that Pioneer Group shall not be liable for and CUSTOMER SHALL INDEMNIFY PIONEER GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, EVEN IF SUCH IS CONTRIBUTED TO OR CAUSED BY THE ACTIVE OR PASSIVE NEGLIGENCE, FAULT OR STRICT LIABILITY OF ANY MEMBER OR MEMBERS OF PIONEER GROUP.
- F. SEVERABILITY: If any provision or part thereof of this Contract shall be held to be invalid, void or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract.
- G. MODIFICATIONS: Customer agrees that Pioneer shall not be bound to any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Pioneer.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE AGREEMENT BETWEEN THE PARTIES.