

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 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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><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:<br><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:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|--|------------------------------------|

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

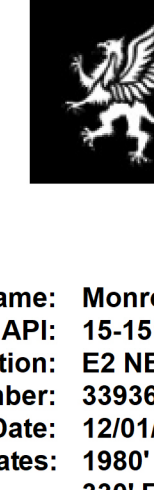
|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | Griffin, Charles N.    |
| Well Name | MONROE 1               |
| Doc ID    | 1564859                |

All Electric Logs Run

|         |
|---------|
|         |
| CNL/CDL |
| DI      |
| Micro   |
| Sonic   |





GRIFFIN MANAGEMENT, LLC  
PO Box 347 Pratt, Kansas 67124  
620.672.9700

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

Well Name: **Monroe #1**  
API: 15-151-22520  
Location: **E2 NE SE of Sec 32 29s 15w**  
License Number: 33936  
Spud Date: 12/01/2020  
Surface Coordinates: 4760.00 FSL 330' FEL  
Bottom Hole Dev Surveys: Coordinates: .75 @ 265'  
Ground Elevation (ft): 2008' To: 4849' K.B. Elevation (ft): 2019' Formation: Ordovician (Simpson) @ RTD Total Depth (ft): 4849'  
Type of Drilling Fluid: Mud Co. Chemical Drispac  
Drilling Completed: 12/07/2020  
Region: Pratt Co.

OPERATOR

Company: **Griffin Management, LLC**  
Address: **P.O. Box 347 Pratt, KS 67124-0347**

GEOLOGIST

Name: **Eli J. Felts**  
Company: **Griffin Management, LLC**  
Address: **eifelts47@gmail.com 316.204.5059**

FORMATION TOPS LOG TOPS

| FORMATION TOPS          | LOG TOPS                |
|-------------------------|-------------------------|
| KING HILL 3722 (-1703)  | KING HILL 3714 (-1686)  |
| HEEBNER 3933 (-1814)    | HEEBNER 3928 (-1908)    |
| BROWN LIME 4104 (-2088) | BROWN LIME 4098 (-2102) |
| LANSING 4223 (-2404)    | LANSING 4212 (-2408)    |
| STARK 4423 (-2404)      | STARK 4416 (-2397)      |
| BKC 4556 (-2488)        | BKC 4550 (-2481)        |
| LANSING 4672 (-2553)    | LANSING 4667 (-2548)    |
| CHEROKEE 4612 (-2583)   | CHEROKEE 4606 (-2587)   |
| VIOLA 4670 (-2651)      | VIOLA 4662 (-2645)      |
| SIMP SHALE 4602 (-2783) | SIMP SHALE 4798 (-2778) |
| SIMP SAND 6642 (-3523)  | SIMP SAND 6844 (-3626)  |
| RTD 4648 (-2830)        | LTD 4648 (-2830)        |

Drilling Report

Murfin Drilling, Rig #114  
Tool Pusher: Scott Piland  
Cell # 620-639-1843

12/01/2020  
Spud @ 5:30 PM  
Drill to 265'. Set Surface @ 236'.  
12/02/2020  
Surface plug down @ 12:30 AM.  
WOC  
Drill out plug @ 9:00 AM  
12/03/2020  
Drilling @ 1875'  
TOH @ 2155' ~ 11 AM. "Rig Repairs" change mud pump.  
12/04/2020  
Back to drilling @ 2:15 AM  
Drilling @ 2308'  
Displace Drilling Fluids @ -2700'

12/05/2020  
Drilling @ 3430'  
12/06/2020  
Drilling @ 4404'  
Short Trip for DST #1  
TOH @ 4746' for DST #1

12/07/2020  
TH w/ bit @ 4746'  
TD @ 5:30 PM @ (4849')  
Loggers on bottom @ -10:30 PM  
Ran (2) passes

12/08/2020  
Done Logging @ ~3 AM  
Ran Casings  
Done - Released Rig @ 8PM

Problems

TOH @ 2250' to replace mud pump.  
Down 12/3/20 @ 11:30 AM. TH @ 1 AM. Drilling Ahead @ 2:15 AM  
Lost Circulation @ 2785' (lost ~80 bbls) pulled 10 stands.  
Circulation lost during displacement. repair  
Needed Dozer Assistance for Drill Stem Test & Loggers.  
Eric w/ This was on call Dozer Operator.

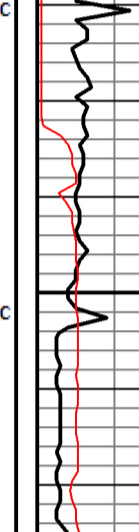
Pipe Setting

6 jts new 8.625" (23#) Surface @ 263'  
set w/ 230 sxs Common - 3% CC 2% Gel

117 jts new 5.5" (15.5#) Production @ 4841'  
set w/ 125 sxs Pro C- Griffin Blend

ROCK TYPES

|         |           |         |       |       |           |
|---------|-----------|---------|-------|-------|-----------|
| Anhy    | Bent      | Brec    | Chl   | Clyst | Coal      |
| Congl   | Dol-cream | Dol     | Gyp   | Ignme | Granite 2 |
| Granite | Lmst tan  | Lmst    | Mets  | Mrst  | Quartz    |
| Salt    | Shale 2   | Shale 1 | Shoal | Shy   | Siltst    |
| Ss      | Till      | Ss      | Till  | Ss    | Till      |



DRILL STEM TEST REPORT

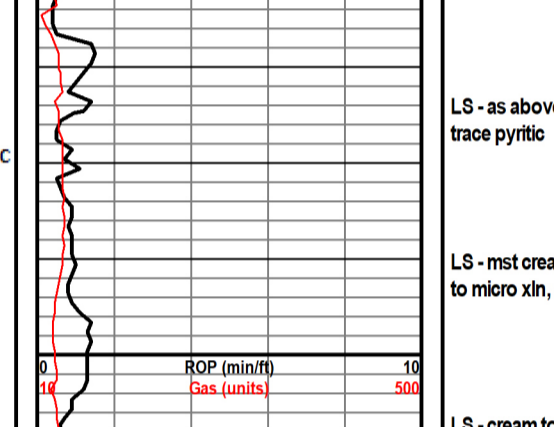
Griffin Management, LLC 32 - 29S - 15W  
PO Box 347 Pratt KS 67124 Monroe #1  
ATTN: Eli Felts Job Ticket: 470799 DST#1

GENERAL INFORMATION:  
Formation: Viola #1  
Well: No  
Vestibule: No  
Time Tool Opened: 00:07:45  
Time Test Ended: 11:35:45

Interval: 4706.00 ft (R) To 4746.00 ft (R) (TV) 40  
Total Depth: 4760.00 ft (R) (TV) 40  
Hole Diameter: 7.88 inches-Hole Condition: Floor

Serial #: 8671  
Pressure: 433.92 psi @ 4707.00 ft (R) Capacity: 8000.00 PHP  
Start Date: 2020.12.07 End Date: 2020.12.07 Last Call: 2020.12.07  
Start Time: 08:15:05 End Time: 11:35:44 Time On Btm: 2020.12.07 @ 08:05:30  
Time Off Btm: 2020.12.07 @ 08:23:30

TEST COMMENT: 15' - F - Surface blow built to B.O.B. in 1 min. and built up to 140' in 1 min. and built to B.O.B. in 15 min.  
30' - F - Return started @ 11:00 AM. 1 hour.  
30' - F - Surface blow built to B.O.B. instantly and built up to 130' @ 9:00 AM.  
60' - F - Return started right away and built to B.O.B. in 10 mins.



PRESSURE SUMMARY

| Time (Min) | Pressure (Lb/In) | Temp (F) | Annotation           |
|------------|------------------|----------|----------------------|
| 0          | 2907.03          | 112.12   | Initial Hydro-static |
| 3          | 301.15           | 116.41   | Open To Flow(1)      |
| 17         | 294.34           | 126.20   | SH-1 (R)             |
| 47         | 1817.82          | 126.70   | SH-2 (R)             |
| 48         | 319.37           | 126.96   | Open To Flow(2)      |
| 78         | 433.52           | 126.14   | SH-1 (R)             |
| 126        | 1949.57          | 127.02   | SH-2 (R)             |
| 137        | 2426.78          | 127.50   | Final Hydro-static   |

Rec-conv

| Length (ft) | Conversion                    | Value (in) |
|-------------|-------------------------------|------------|
| 180.00      | OCM/V - 10%/W - 10%/W - 80%/W | 1.02       |
| 378.00      | MC/V - 10%/W - 10%/W - 30%/W  | 3.88       |
| 252.00      | VMC - 5%/W - 20%/W - 75%/W    | 2.59       |
| 318.00      | SMC - 10%/W - 25%/W - 00%/W   | 3.20       |
| 0.00        | SMC - GP                      | 0.00       |

Gas Rates

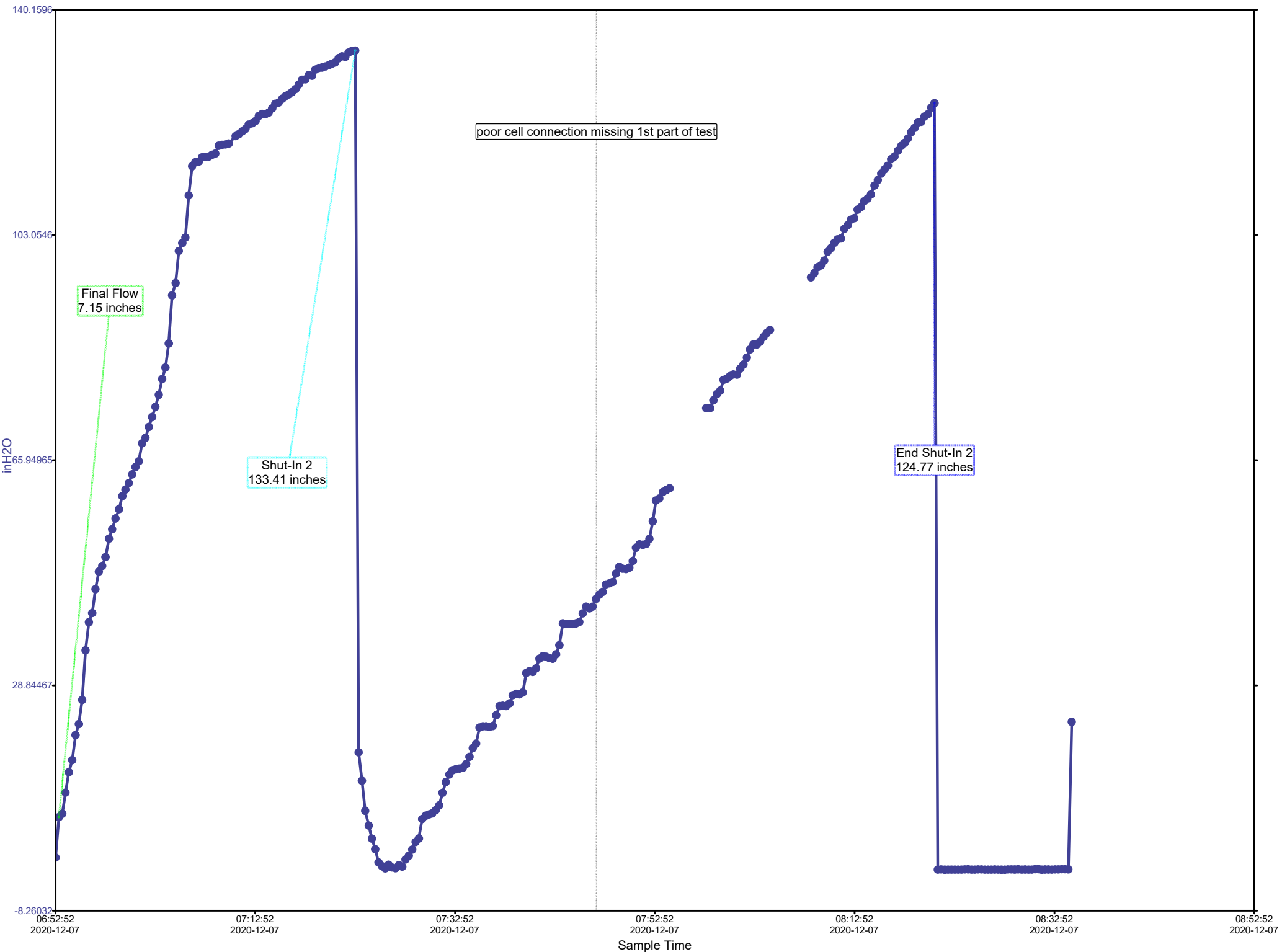
| Depth (ft) | Flow Rate (gpm) | Pressure (psi) | Flow Rate (m3/d) |
|------------|-----------------|----------------|------------------|
| 0          | 0               | 0              | 0                |
| 3          | 301.15          | 116.41         | 0                |
| 17         | 294.34          | 126.20         | 0                |
| 47         | 1817.82         | 126.70         | 0                |
| 48         | 319.37          | 126.96         | 0                |
| 78         | 433.52          | 126.14         | 0                |
| 126        | 1949.57         | 127.02         | 0                |
| 137        | 2426.78         | 127.50         | 0                |

REFERENCE WELLS LOG TOPS

| FORMATION  | Griffin | W15-151-22520 | W15-151-22520 | W15-151-22520 | W15-151-22520 | W15-151-22520 | W15-151-22520 | W15-151-22520 | W15-151-22520 |
|------------|---------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| King Hill  | 3714    | 3722          | 3714          | 3722          | 3714          | 3722          | 3714          | 3722          | 3714          |
| Heebner    | 3928    | 3933          | 3928          | 3933          | 3928          | 3933          | 3928          | 3933          | 3928          |
| Brown Lime | 4098    | 4104          | 4098          | 4104          | 4098          | 4104          | 4098          | 4104          | 4098          |
| Lansing    | 4212    | 4223          | 4212          | 4223          | 4212          | 4223          | 4212          | 4223          | 4212          |
| Stark      | 4416    | 4423          | 4416          | 4423          | 4416          | 4423          | 4416          | 4423          | 4416          |
| BKC        | 4550    | 4556          | 4550          | 4556          | 4550          | 4556          | 4550          | 4556          | 4550          |
| Lansing    | 4667    | 4672          | 4667          | 4672          | 4667          | 4672          | 4667          | 4672          | 4667          |
| Cherokee   | 4606    | 4612          | 4606          | 4612          | 4606          | 4612          | 4606          | 4612          | 4606          |
| Viola      | 4662    | 4670          | 4662          | 4670          | 4662          | 4670          | 4662          | 4670          | 4662          |
| Simp Shale | 4798    | 4802          | 4798          | 4802          | 4798          | 4802          | 4798          | 4802          | 4798          |
| Simp Sand  | 6844    | 6642          | 6844          | 6642          | 6844          | 6642          | 6844          | 6642          | 6844          |
| RTD        | 4648    | 4648          | 4648          | 4648          | 4648          | 4648          | 4648          | 4648          | 4648          |

Geological Log showing lithology, rate of penetration (ROP), gas, and geological descriptions from 3700 ft to 4850 ft. The log includes columns for ROP (min/hr), Gas (units), and Lithology (Mud, S, C, G, O). Geological descriptions provide detailed observations of rock types, textures, and features at various depths. Key formations identified include Viola #1, Simpson Sand, and RTD. Specific sample locations and descriptions are noted throughout the log.

# Charles Griffin - Monroe #1 - DST#1 P2





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Griffin Management, LLC

**32 - 29S - 15W**

PO Box 347  
Pratt Ks 67124

**Monroe #1**

Job Ticket: 47679

**DST#: 1**

ATTN: Elli Felts

Test Start: 2020.12.07 @ 03:15:00

## GENERAL INFORMATION:

Formation: **Viola "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:07:45

Time Test Ended: 11:35:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

**Interval: 4706.00 ft (KB) To 4746.00 ft (KB) (TVD)**

Reference Elevations: 2019.00 ft (KB)

Total Depth: 4746.00 ft (KB) (TVD)

2008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: 433.92 psig @ 4707.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.12.07 End Date: 2020.12.07

Last Calib.: 2020.12.07

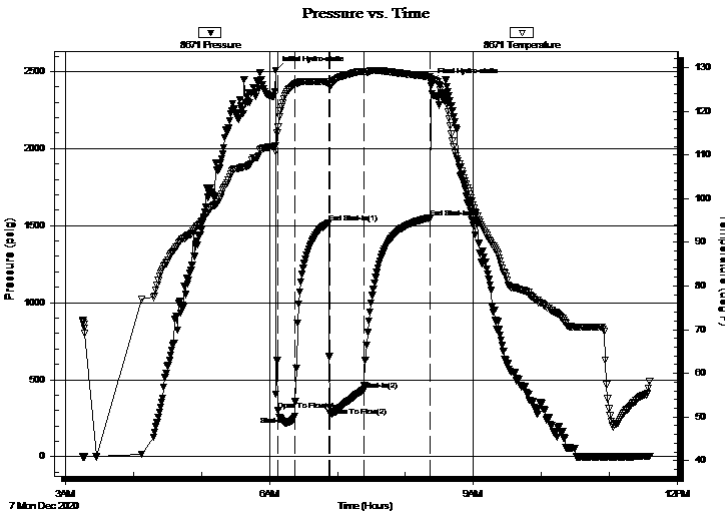
Start Time: 03:15:05 End Time: 11:35:44

Time On Btm: 2020.12.07 @ 06:05:30

Time Off Btm: 2020.12.07 @ 08:22:30

**TEST COMMENT:** 15 - IF - Surface blow Built to B.o.B. in 1 min. and built up to 140"  
30 - ISI - Return started in 1 min. and built to B.o.B. in 15 mins.  
30 - FF - Surface blow built to B.o.B. instantly and built up to 135"  
60 - FSI - Return started right away and built to B.o.B. in 10 mins.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2507.03         | 112.13       | Initial Hydro-static |
| 3           | 301.15          | 116.41       | Open To Flow (1)     |
| 17          | 264.34          | 126.26       | Shut-In(1)           |
| 47          | 1517.82         | 126.70       | End Shut-In(1)       |
| 48          | 319.37          | 125.96       | Open To Flow (2)     |
| 78          | 433.92          | 129.14       | Shut-In(2)           |
| 136         | 1549.57         | 127.92       | End Shut-In(2)       |
| 137         | 2426.78         | 127.50       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                      | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 189.00      | OCMW - 10%o - 10%m - 80%w        | 1.02         |
| 378.00      | MCWGO - 5%m - 15%w - 30%g - 50%o | 3.88         |
| 252.00      | WMO - 5%w - 20%m - 75%o          | 2.59         |
| 318.00      | GMO - 15%m - 25%g - 60%o         | 3.26         |
| 0.00        | 3588 - GIP                       | 0.00         |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Griffin Management, LLC

**32 - 29S - 15W**

PO Box 347  
Pratt Ks 67124

**Monroe #1**

Job Ticket: 47679

**DST#: 1**

ATTN: Elli Felts

Test Start: 2020.12.07 @ 03:15:00

## GENERAL INFORMATION:

Formation: **Viola "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:07:45

Time Test Ended: 11:35:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

**Interval: 4706.00 ft (KB) To 4746.00 ft (KB) (TVD)**

Reference Elevations: 2019.00 ft (KB)

Total Depth: 4746.00 ft (KB) (TVD)

2008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8354** Inside

Press@RunDepth: psig @ 4707.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.12.07

End Date: 2020.12.07

Last Calib.: 2020.12.07

Start Time: 03:15:05

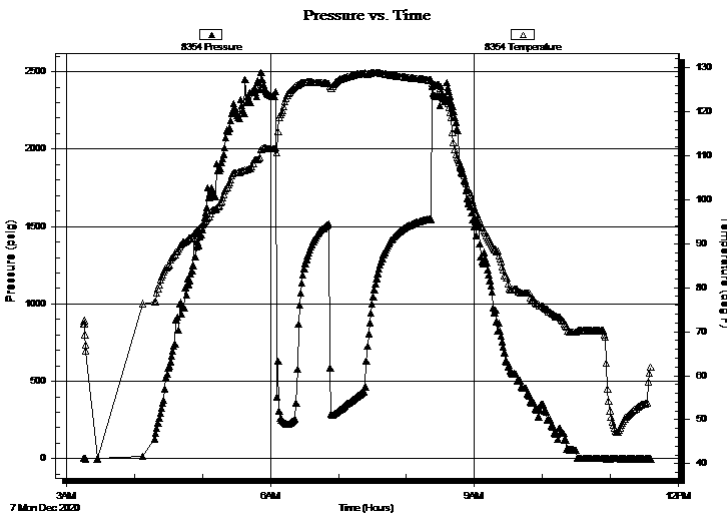
End Time: 11:35:44

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15 - IF - Surface blow Built to B.o.B. in 1 min. and built up to 140"  
30 - ISI - Return started in 1 min. and built to B.o.B. in 15 mins.  
30 - FF - Surface blow built to B.o.B. instantly and built up to 135"  
60 - FSI - Return started right away and built to B.o.B. in 10 mins.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |
|             |                 |              |            |

## Recovery

| Length (ft) | Description                      | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 189.00      | OCMW - 10%o - 10%m - 80%w        | 1.02         |
| 378.00      | MCWGO - 5%m - 15%w - 30%g - 50%o | 3.88         |
| 252.00      | WMO - 5%w - 20%m - 75%o          | 2.59         |
| 318.00      | GMO - 15%m - 25%g - 60%o         | 3.26         |
| 0.00        | 3588 - GIP                       | 0.00         |
|             |                                  |              |

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Griffin Management, LLC

**32 - 29S - 15W**

PO Box 347  
Pratt Ks 67124

**Monroe #1**

Job Ticket: 47679

**DST#: 1**

ATTN: Eli Felts

Test Start: 2020.12.07 @ 03:15:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 30 deg API  
Water Salinity: 52000 ppm

### Recovery Information

Recovery Table

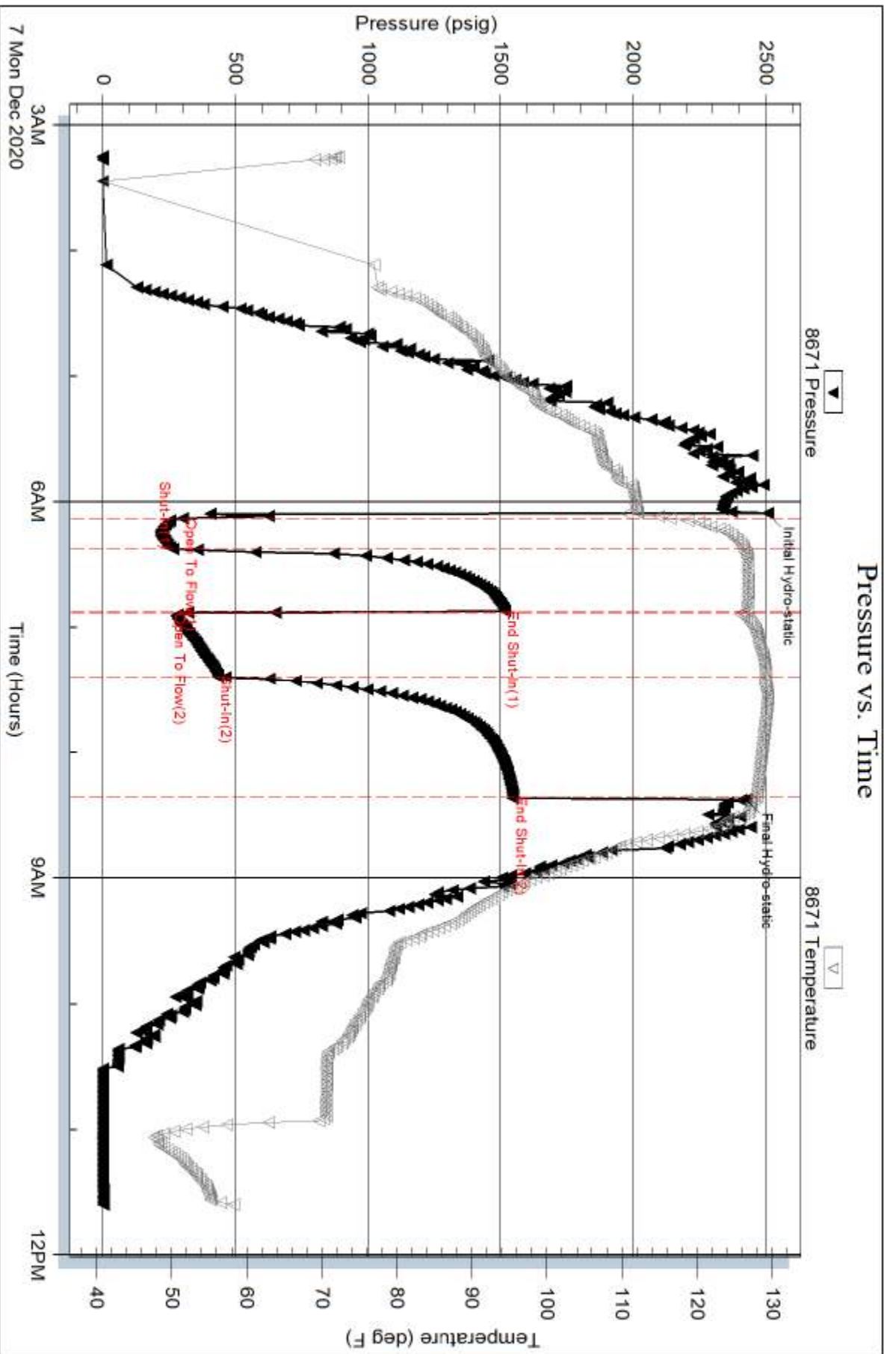
| Length<br>ft | Description                      | Volume<br>bbl |
|--------------|----------------------------------|---------------|
| 189.00       | OCMW - 10%o - 10%m - 80%w        | 1.020         |
| 378.00       | MCWGO - 5%m - 15%w - 30%g - 50%o | 3.879         |
| 252.00       | WMO - 5%w - 20%m - 75%o          | 2.586         |
| 318.00       | GMO - 15%m - 25%g - 60%o         | 3.263         |
| 0.00         | 3588 - GIP                       | 0.000         |

Total Length: 1137.00 ft      Total Volume: 10.748 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: .207 @ 43 deg.



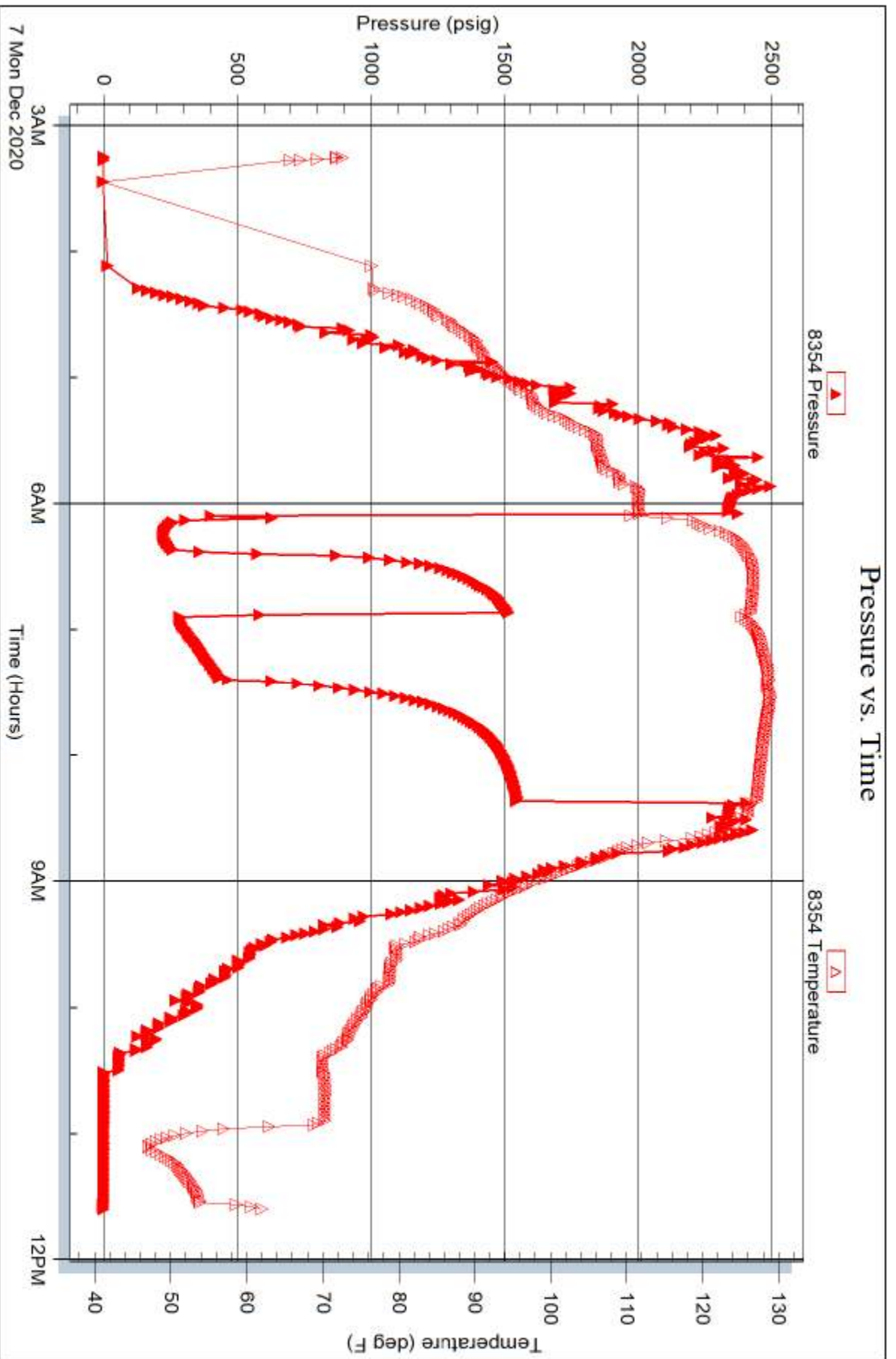
Serial #: 8354

Inside

Griffin Management, LLC

Monroe #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 47679

Printed: 2020.12.07 @ 13:47:37

# QUALITY WELL SERVICE, INC.

7556

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

| Date   | Sec.        | Twp.               | Range  | County  | State | On Location | Finish |
|--|-------------|--------------------|--|---|-------|-------------|--------|
| 12-1-20                                      | 32          | 29S                | 15W  | PRATT   | KS    |             |        |
| Lease  | Well No. #1 |                    | Location HWY 54: 140' S to 110' rd 1/2 to 130' |   |       |             |        |
| Contractor Mofin EG #14                      |             |                    |  | Owner S 3/4 into  |       |             |        |
| Type Job Surface                             |             |                    |  | To Quality Well Service, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |       |             |        |
| Hole Size 17 1/4                             |             | T.D. 265'          |  | Charge To Mofin   |       |             |        |
| Csg. 85/8 24"                                |             | Depth 263'         |  | Street  |       |             |        |
| Tbg. Size                                    |             | Depth              |  | City State  |       |             |        |
| Tool   |             | Depth              |  | City State  |       |             |        |
| Cement Left in Csg.                          |             | Shoe Joint 15      |  | The above was done to satisfaction and supervision of owner agent or contractor.  |       |             |        |
| Meas Line                                    |             | Displace 15.7 Bbls |  | Cement Amount Ordered 230 sz Common   |       |             |        |
| <b>EQUIPMENT</b>                             |             |                    |  | 2% GEL 3% CL 1/2" PS  |       |             |        |
| Pumptrk 8 No.                                |             |                    | Common 230 sz                                  |   |       |             |        |
| Bulktrk 15 No.                               |             |                    | Poz. Mix                                       |   |       |             |        |
| Bulktrk No.                                  |             |                    | Gel. 433#                                      |   |       |             |        |
| Pickup No.                                   |             |                    | Calcium 649                                    |   |       |             |        |
| <b>JOB SERVICES &amp; REMARKS</b>            |             |                    |  | Hulls   |       |             |        |
| Rat Hole                                     |             |                    |  | Salt  |       |             |        |
| Mouse Hole                                   |             |                    |  | Flowseal 115"   |       |             |        |
| Centralizers                                 |             |                    |  | Kol-Seal  |       |             |        |
| Baskets                                      |             |                    |  | Mud CLR 48  |       |             |        |
| D/V or Port Collar                           |             |                    |  | CFL-117 or CD110 CAF 38   |       |             |        |
| Run 6 1/2" 85/8 24" CSG SET @ 263'           |             |                    |  | Sand  |       |             |        |
| START CSG CSG ON Bottom                      |             |                    |  | Handling 247  |       |             |        |
| HOOK up to CSG & Break circ w/irc            |             |                    |  | Mileage 25/6175   |       |             |        |
| START Pumping 12 Bbls H <sub>2</sub> O       |             |                    |  | <b>85/8 FLOAT EQUIPMENT</b>   |       |             |        |
| START Mix & Pump 230 sz 2% GEL 3% CL 1/2" PS |             |                    |  | Guide-Shoe HEAD: manifold   |       |             |        |
| D 14.8" / CAL                                |             |                    |  | Centralizer 85/8 Wooden Plug  |       |             |        |
| SHUT DOWN RELEASE 85/8 WOODEN PLUG           |             |                    |  | Baskets   |       |             |        |
| START DISC                                   |             |                    |  | AFU Inserts   |       |             |        |
| 15.7 Bbls out                                |             |                    |  | Float Shoe  |       |             |        |
| PLUG DOWN                                    |             |                    |  | Latch Down  |       |             |        |
| Close Valve on CSG 150'                      |             |                    |  | SERVICE SUPPLY 1EA  |       |             |        |
| Good Circ thru JOB                           |             |                    |  | LMV 25  |       |             |        |
| Circ OUT TO PIT                              |             |                    |  | Pumptrk Charge Surface  |       |             |        |
|  |             |                    |  | Mileage 50  |       |             |        |
| THANK YOU TOM MICE                           |             |                    |  | Tax   |       |             |        |
| PLEASE CALL AGENT MART                       |             |                    |  |   |       |             |        |
| Signature                                    |             |                    |  | Discount  |       |             |        |
|  |             |                    |  | Total Charge  |       |             |        |

# QUALITY WELL SERVICE, INC.

7560

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|  |                            |      |    |          |     |       |     |   |        |       |    |             |  |        |  |
|--|----------------------------|------|----|----------|-----|-------|-----|---|--------|-------|----|-------------|--|--------|--|
| Date   | 12-8-20                    | Sec. | 32 | Twp.     | 29S | Range | 15W | County  | PRATT  | State | Ks | On Location |  | Finish |  |
| Lease  | MONROE                     |      |    | Well No. | 1   |       |     | Location HW 154' CROFT Rd S to 110 <sup>th</sup> E to 130 <sup>th</sup>   |        |       |    |             |  |        |  |
| Contractor                                     | Moffitt Drilling Co #14 WW |      |    |          |     |       |     | Owner IS into   |        |       |    |             |  |        |  |
| Type Job                                       | 5 1/2 LS.                  |      |    |          |     |       |     | To Quality Well Service, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |        |       |    |             |  |        |  |
| Hole Size                                      |                            |      |    |          |     |       |     | T.D.  | 4849'  |       |    |             |  |        |  |
| Csg.   | 5 1/2 15.5                 |      |    |          |     |       |     | Depth   | 4841'  |       |    |             |  |        |  |
| Tbg. Size                                      |                            |      |    |          |     |       |     | Depth   |        |       |    |             |  |        |  |
| Tool   |                            |      |    |          |     |       |     | Depth   |        |       |    |             |  |        |  |
| Cement Left in Csg.                            |                            |      |    |          |     |       |     | Shoe Joint  | 20.88  |       |    |             |  |        |  |
| Meas Line                                      |                            |      |    |          |     |       |     | Displace  | 114.72 |       |    |             |  |        |  |
| <b>EQUIPMENT</b>                               |                            |      |    |          |     |       |     | The above was done to satisfaction and supervision of owner agent or contractor.  |        |       |    |             |  |        |  |
| Pumptrk  | 8                          | No.  |    |          |     |       |     | Cement Amount Ordered 175 x POC 2% GEL 10% SALT<br>5 1/2 Kolseal .6% C16A 1/4" PS .25% CAN  |        |       |    |             |  |        |  |
| Bulktrk  | 10                         | No.  |    |          |     |       |     | Common 175cc  |        |       |    |             |  |        |  |
| Bulktrk  |                            | No.  |    |          |     |       |     | Poz. Mix  |        |       |    |             |  |        |  |
| Pickup   |                            | No.  |    |          |     |       |     | Gel. 329"   |        |       |    |             |  |        |  |
| <b>JOB SERVICES &amp; REMARKS</b>              |                            |      |    |          |     |       |     | Calcium   |        |       |    |             |  |        |  |
| <b>JOB SERVICES &amp; REMARKS</b>              |                            |      |    |          |     |       |     | Hulls   |        |       |    |             |  |        |  |
| Rat Hole                                       | 305x                       |      |    |          |     |       |     | Salt 964"   |        |       |    |             |  |        |  |
| Mouse Hole                                     | 205x                       |      |    |          |     |       |     | Flowseal 44"  |        |       |    |             |  |        |  |
| Centralizers                                   | 1-2-3-4-5-6-7              |      |    |          |     |       |     | Kol-Seal 875 <sup>lb</sup>  |        |       |    |             |  |        |  |
| Baskets  |                            |      |    |          |     |       |     | Mud CLR 48 500 GAL  |        |       |    |             |  |        |  |
| D/V or Port Collar                             |                            |      |    |          |     |       |     | CFL-117 or CD110 CAF 38 C1EA 98"  |        |       |    |             |  |        |  |
| Run in 5 1/2 15.5" CSG SET @ 4841'             |                            |      |    |          |     |       |     | Sand CC-1 8 C4IP 41"  |        |       |    |             |  |        |  |
| START CSG CSG ON Bottom TAG                    |                            |      |    |          |     |       |     | Handling 215  |        |       |    |             |  |        |  |
| Hook up to CSG & BREAK CIRC W/ RIG             |                            |      |    |          |     |       |     | Mileage 25 15375  |        |       |    |             |  |        |  |
| DROP Ball! CIRC                                |                            |      |    |          |     |       |     | <b>5 1/2 FLOAT EQUIPMENT</b>  |        |       |    |             |  |        |  |
| STAG Pumping                                   |                            |      |    |          |     |       |     | Guide Shoe HEAD & MANIFOLD 1 EA   |        |       |    |             |  |        |  |
| START MIX & Pump 505x Plug P-M Holes           |                            |      |    |          |     |       |     | Centralizer 7 EA  |        |       |    |             |  |        |  |
| START MIX & Pump 125x & CSG @ 14.8" GAL        |                            |      |    |          |     |       |     | Baskets   |        |       |    |             |  |        |  |
| SHUT DOWN WASH UP TELL & RELEASE 5 1/2 L.D. P. |                            |      |    |          |     |       |     | AFU Inserts   |        |       |    |             |  |        |  |
| STAG Disp w/ 2% KCL                            |                            |      |    |          |     |       |     | Float Shoe 1 EA   |        |       |    |             |  |        |  |
| Lift psi 99 out 600+                           |                            |      |    |          |     |       |     | Latch Down 1 EA   |        |       |    |             |  |        |  |
| Plug Down 115 out 1300+                        |                            |      |    |          |     |       |     | Service Spv 1 EA  |        |       |    |             |  |        |  |
| Psi up CSG 1500+                               |                            |      |    |          |     |       |     | LWV 25  |        |       |    |             |  |        |  |
| RELEASE & HELD 1/2 BH BACK                     |                            |      |    |          |     |       |     | Pumptrk Charge LS   |        |       |    |             |  |        |  |
| Good circ thru JO3                             |                            |      |    |          |     |       |     | Mileage 50  |        |       |    |             |  |        |  |
| FINISH 400 TOOD MILE                           |                            |      |    |          |     |       |     | Tax   |        |       |    |             |  |        |  |
| PLEASE CALL ACD/W MOST                         |                            |      |    |          |     |       |     |   |        |       |    |             |  |        |  |
| Signature <u>JA MA</u>                         |                            |      |    |          |     |       |     | Discount  |        |       |    |             |  |        |  |
|  |                            |      |    |          |     |       |     | Total Charge  |        |       |    |             |  |        |  |