

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: | |
|----------------|-------|---------|------------|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Joe Gerstner Oil, LLC |
| Well Name | BRYAN 1 |
| Doc ID | 1524306 |

All Electric Logs Run

| |
|------|
| |
| DIL |
| SL |
| ML |
| CNDL |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Joe Gerstner Oil, LLC |
| Well Name | BRYAN 1 |
| Doc ID | 1524306 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Anhydrite | 1681 | +721 |
| Base Anhydrite | 1715 | +687 |
| Topeka | 3464 | -1062 |
| Heebner | 3767 | -1365 |
| Lansing | 3809 | -1407 |
| BKC | 4125 | -1723 |
| Marmaton | 4158 | -1756 |
| Pawnee | 4242 | -1840 |
| Ft. Scott | 4325 | -1923 |
| Cherokee Shale | 4340 | -1938 |
| Mississippian | 4414 | -2012 |
| Gilmore City | 4648 | -2246 |
| Viola | 4733 | -2332 |



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300

Invoice

| | |
|-----------|-----------|
| DATE | INVOICE # |
| 7/13/2020 | 32915 |

| |
|---|
| BILL TO |
| Joe Gerstner Oil P. O. Box 509 Ness City, KS 67560-0509 |

Aug

- Acidizing
- Cement
- Tool Rental

| TERMS | Well No. | Lease | County | Contractor | Well Type | Well Category | Job Purpose | Operator |
|------------------------------|--|-------|--------|-------------|-----------|---------------|------------------|------------|
| Net 30 | #1 | Bryan | Ness | WW Drilling | Oil | Development | 5 1/2 Longstring | Gideon |
| PRICE REF. | DESCRIPTION | | | | QTY | UM | UNIT PRICE | AMOUNT |
| 575D | Mileage - 1 Way | | | | 10 | Miles | 5.00 | 50.00 |
| 578D-L | Pump Charge - Long String | | | | 1 | Job | 1,400.00 | 1,400.00 |
| 403-5 | 5 1/2" Cement Basket | | | | 4 | Each | 275.00 | 1,100.00T |
| 406-5 | 5 1/2" Latch Down Plug & Baffle | | | | 1 | Each | 250.00 | 250.00T |
| 407-5 | 5 1/2" Insert Float Shoe With Auto Fill | | | | 1 | Each | 325.00 | 325.00T |
| 409-5 | 5 1/2" Turbolizer | | | | 10 | Each | 90.00 | 900.00T |
| 419-5 | 5 1/2" Rotating Head Rental | | | | 1 | Each | 250.00 | 250.00T |
| 325 | Standard Cement | | | | 100 | Sacks | 13.50 | 1,350.00T |
| 284 | Calseal | | | | 5 | Sack(s) | 40.00 | 200.00T |
| 283 | Salt | | | | 500 | Lb(s) | 0.25 | 125.00T |
| 292 | Halad 322 | | | | 50 | Lb(s) | 8.50 | 425.00T |
| 276 | Flocele | | | | 50 | Lb(s) | 3.00 | 150.00T |
| 330 | Swift Multi-Density Standard (MIDCON II) | | | | 125 | Sacks | 17.00 | 2,125.00T |
| 281 | Mud Flush | | | | 500 | Gallon(s) | 1.50 | 750.00T |
| 221 | Liquid KCL (Clayfix) | | | | 2 | Gallon(s) | 25.00 | 50.00T |
| 290 | D-Air | | | | 3 | Gallon(s) | 42.00 | 126.00T |
| 581D | Service Charge Cement | | | | 225 | Sacks | 1.85 | 416.25 |
| 582D | Minimum Drayage Charge | | | | 1 | Each | 250.00 | 250.00 |
| | Subtotal | | | | | | | 10,242.25 |
| Customer Disc... | Customer Discount Per Ted | | | | | | -15.00% | -1,536.34 |
| | Subtotal | | | | | | | 8,705.91 |
| | Sales Tax Ness County | | | | | | 6.50% | 528.19 |
| We Appreciate Your Business! | | | | | | | Total | \$9,234.10 |



Services, Inc.

CHARGE TO: Joe Greenstar Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 032915

PAGE 1 OF 1 \$2

| | | | | | | | | |
|---|-------------------------------------|--------------------------------------|------------------------------|---------------------------------|----------------------|--------------------------|---|--|
| 1. SERVICE LOCATIONS <u>Ness City, KS</u> | WELL/PROJECT NO. <u>#1</u> | LEASE <u>Byron</u> | COUNTY/PARISH <u>Ness</u> | STATE <u>KS</u> | CITY <u>Laird</u> | DATE <u>7-13-2000</u> | OWNER <u>Joe Greenstar Oil</u> | |
| 2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | CONTRACTOR <u>W W Martin</u> | RIG NAME/NO. | SHIPPED VIA <u>CT</u> | DELIVERED TO <u>Location</u> | WELL PERMIT NO. | ORDER NO. | | |
| 3. WELL TYPE <u>Oil</u> | WELL CATEGORY <u>Development</u> | JOB PURPOSE <u>Leaving string</u> | <u>5 1/2"</u> | | | | | |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | | WELL LOCATION <u>Laird 1/2-4-210-5</u> | |

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | | | UNIT PRICE | AMOUNT | | |
|-----------------|-------------------------------------|------------|------|----|------------------------------|------|----|------|------------|--------|---------|---------|
| | | LOC | ACCT | DF | | QTY. | UM | QTY. | | | UM | |
| 576 | | | | | MILEAGE | | | | 10 | mi | 5.00 | 50.00 |
| 578 | | | | | PUMP Charge - Long string | | | | 1 | job | 1400.00 | 1400.00 |
| 403 | | | | | CMT Baskets | | | | 4 | ea | 275.00 | 1100.00 |
| 406 | | | | | Latch down Plug + Baffle | | | | 1 | ea | 250.00 | 250.00 |
| 407 | | | | | Insert Floor Shoe w/Arb Fill | | | | 1 | ea | 325.00 | 325.00 |
| 409 | | | | | Tubularizers | | | | 10 | ea | 90.00 | 900.00 |
| 419 | | | | | Rotating Head Rental | | | | 1 | ea | 250.00 | 250.00 |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X DATE SIGNED 7-13-2000 TIME SIGNED 2:15 P.M.
 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

| | | | | | | |
|--|------------------------------|-----------------------------|----------|------------|----------|---------|
| SURVEY | AGREE | UNDECIDED | DISAGREE | PAGE TOTAL | 1 | 4275.00 |
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | | 2 | 5967.35 | |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | | 1500.00 | 10248.35 | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | 304 | -1536.34 | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | MAX | 598.19 | |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | | TOTAL | 9234.10 | |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND | | | | | | |

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR Anderson Trucks APPROVAL
 Thank You!



PO Box 466
Ness City, KS 67560
Ph: 785-798-2300

TICKET CONTINUATION

TICKET No. 032915

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | WEIGHT | | | | UNIT PRICE | AMOUNT | |
|-----------------|----------------------------------|------------|------|----|------|--------------|--------|-----|-----|-----|------------|--------|----|
| | | LOC | ACCT | DF | | | QTY | U/M | QTY | U/M | | | |
| 325 | | | | | | Standard CMT | | | | | | | |
| 284 | | | | | | Calseal | 5 | SKS | | 40 | 00 | 200 | 00 |
| 283 | | | | | | Salt | 500 | lbs | | 0 | 25 | 125 | 00 |
| 292 | | | | | | Helad 322 | 50 | lbs | | 8 | 00 | 400 | 00 |
| 276 | | | | | | Flacole | 50 | lbs | | 3 | 00 | 150 | 00 |
| 330 | | | | | | SMD CMT | 125 | SKS | | 17 | 00 | 2125 | 00 |
| 281 | | | | | | Mud Flush | 500 | gal | | 1 | 50 | 750 | 00 |
| 281 | | | | | | Liquid KCL | 2 | gal | | 25 | 00 | 50 | 00 |
| 290 | | | | | | D-Air | 3 | gal | | 49 | 00 | 126 | 00 |
| 581 | | | | | | | | | | | | | |
| 583 | | | | | | | | | | | | | |

| CUST ORDER | DRIVER | DATE | PAGE | OF | MILEAGE CHARGE | TOTAL WEIGHT | DANGER MILES | TON MILES | CUBIC FEET | SERVICE CHARGE | CONTINUATION TOTAL | |
|------------|---------|-----------|------|----|----------------|--------------|--------------|-----------|------------|----------------|--------------------|----------------|
| | | | | | | | | | | | MIN | DRAYAGE CHARGE |
| Joe | Cieshke | 5-13-2020 | 2 | 2 | MIN | DRAYAGE | CHARGE | | | | 5967 | 35 |

CONTINUATION TOTAL 5967 35

JOB LOG

SWIFT Services, Inc.

DATE 7-13-2020 PAGE NO. 1

| CUSTOMER | | WELL NO. | | LEASE | | JOB TYPE | | TICKET NO. | |
|------------------|--------------|-------------------------|--------------------|-------------|---|-------------------|--------|--|---|
| Joe Gaustner O-1 | | #1 | | Bryan | | Long string | | 032915 | |
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS | |
| | | | | T | C | TUBING | CASING | | |
| | | | | | | | | | ON Location 5 1/2" 1416/18 RTD: 4, 773' PC: #86 1763' Turbo: 1, 3, 5, 7, 9, 11, 13, 15, 17, 85 Bask: 2, 5, 9, 86 SJ: 31.78' TP: 4, 525' |
| | 1130 1345 | | | | | | | | Start 5 1/2" Csg in well Drop Ball - Circulate & Rotate & |
| | 1445 | 6 1/2 6 1/2 | 12 20 | ✓ ✓ | | 350 350 | | | Pump 500 gal Mud Flust Pump 20 bbl H2O Spacer [KLL] |
| | 1450 | 1 | 10 | ✓ | | 0 | | | Plug RH [30] |
| | 1500 | 4 1/2 4 1/2 | 38 24 | ✓ ✓ | | 250 200 | | | Mix 95 sks of SMD @ 12.5 ppq Mix 100 sks of EA-2 @ 15.36 ppq |
| | 1520 | | | | | | | | Wash P+L Drop Latch down Plug |
| | 1525 | 6 1/2 6 1/2 6 1/2 | 0 75 108 | ✓ ✓ ✓ | | 300 400 800 | | | Start Displacement - Lift Pressure - Max Lift Pressure |
| | 1545 | 5 1/2 | 109.7 | ✓ | | 1600 | | | Land Down Latch down Plug - Release Pressure & Hold & Wash up Trk #112 Job Complete 125 sks of SMD + 100 sks of EA-2 used Thanks! Gideon, Preston, Kirby |



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



Invoice

| | |
|-----------|-----------|
| DATE | INVOICE # |
| 7/23/2020 | 32918 |

| |
|---|
| BILL TO |
| Joe Gerstner Oil P. O. Box 509 Ness City, KS 67560-0509 |

Pd. 8/25/2020

- Acidizing
- Cement
- Tool Rental

| TERMS | Well No. | Lease | County | Contractor | Well Type | Well Category | Job Purpose | Operator |
|------------------------------|---|-------|--------|------------|-----------|---------------|-------------|------------|
| Net 30 | #1 | Bryan | Ness | Wild West | Oil | Development | Port Collar | Gideon |
| PRICE REF. | DESCRIPTION | | | | QTY | UM | UNIT PRICE | AMOUNT |
| 575D | Mileage - 1 Way | | | | 10 | Miles | 5.00 | 50.00 |
| 576D-D | Pump Charge - Deep Surface (> 500 Ft.) & Port Collars | | | | 1 | Job | 1,400.00 | 1,400.00 |
| 330 | Swift Multi-Density Standard (MIDCON II) | | | | 130 | Sacks | 17.00 | 2,210.00T |
| 276 | Flocele | | | | 50 | Lb(s) | 3.00 | 150.00T |
| 290 | D-Air | | | | 2 | Gallon(s) | 42.00 | 84.00T |
| 581D | Service Charge Cement | | | | 200 | Sacks | 1.85 | 370.00 |
| 582D | Minimum Drayage Charge | | | | 1 | Each | 250.00 | 250.00 |
| | Subtotal | | | | | | | 4,514.00 |
| Customer Disc... | Customer Discount Per Ted | | | | | | -10.00% | -451.40 |
| | Subtotal | | | | | | | 4,062.60 |
| | Sales Tax Ness County | | | | | | 6.50% | 142.97 |
| We Appreciate Your Business! | | | | | | | Total | \$4,205.57 |



CHARGE TO: Joe Gerstner Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 032918

WELL/PROJECT NO. #1 LEASE Bayou COUNTY/PARISH Ness STATE KS CITY LAIRD DATE 7-23-2020 OWNER
 CONTRACTOR Wild West RIG NAME/NO. Ness SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 WELL TYPE D-1 WELL CATEGORY Development JOB PURPOSE Part Celler WELL PERMIT NO. WELL LOCATION Leard, 1a-w, 2/3-s

PAGE 1 OF 1

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | DESCRIPTION | QTY. | | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|---------------------------|------|-----|------------|---------|
| | | LOG | ACCT | | UM | UM | | |
| 575 | | 1 | | MILEAGE Trk #112 | 10 | mi | 5.00 | 50.00 |
| 576D | | 1 | | Pump Charge - Part Celler | 1 | job | 1400.00 | 1400.00 |
| 330 | | 1 | | SMD Cement | 130 | sk | 15.00 | 2210.00 |
| 276 | | 1 | | Flocc | 50 | lbs | 3.00 | 150.00 |
| 220 | | 1 | | D-Air | 2 | gal | 42.00 | 84.00 |
| 581 | | 1 | | CMT Service Charge | 1 | sk | 370.00 | 370.00 |
| 582 | | 1 | | Minimum Drayage | 1 | sq | 250.00 | 250.00 |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 X

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

| SURVEY | AGREE | UNDECIDED | DISAGREE |
|--|------------------------------|-----------------------------|----------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | |
| ARE YOU SATISFIED WITH OUR SERVICES? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | |

| PAGE TOTAL | TOTAL |
|------------|---------|
| 4514.00 | 4205.50 |
| -457.40 | |
| 1216.60 | |
| 500 | |
| 4055 | |
| 4068.60 | |
| 142.97 | |

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR Andrew Fink APPROVAL
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-23-2020 PAGE NO. 1

| CUSTOMER | | WELL NO. | | LEASE | | JOB TYPE | | TICKET NO. | |
|-------------------|------|------------|--------------------|-------|---|----------------|--------|--|--|
| Joe Christner Oil | | #1 | | Bryan | | Port Collar | | 032918 | |
| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS | |
| | | | | T | C | TUBING | CASING | | |
| | 1100 | | | | | | | | ON Location 2 3/8" x 5 1/2" |
| | | | | | | | | | PC: 1829' RBP: 2,720' |
| | 1110 | 5 | 65 | ✓ | | 200 | | | Lead hole |
| | 1125 | Ø | | ✓ | | 1,000 | | | P Test Hole to 1,000 PSI *Hold* |
| | 1130 | 1 | 8 | ✓ | | 150 | | | Spot 1 sk of Sand - Pull up to 1829' |
| | 1200 | | | | | | | | open PC |
| | 1210 | 2 | 4 | ✓ | | 250 | | | Injection Rate |
| | 1220 | 3 1/2 | 72 | ✓ | | 300 | | | Mix 130 sks of SMD @ 11.2 ppq 1/4 lb Flg |
| | | | | | | | | | *Circulate CMT to Surface* -10 sks to the Pit- |
| | | 2 | 6 | ✓ | | 300 | | | Dispace CMT |
| | 1240 | | | | | | | | Close PC P Test to 1,000 *Hold* |
| | 1245 | | | | | | | | Run 5 Jts |
| | 1250 | 2 | 20 | ✓ | | 300 | | | Reverse Clean |
| | | | | | | | | | Wash up Trk #112 |
| | 1320 | | 35 | ✓ | | | | | Run tb to RBP + Circulate Sand out of Hole |
| | | | | | | | | | Job Complete! 130 sks SMD used Thanks *10 sks to Pit* Gordon Wayne, Preston, Kirby |



TICKET 032911

CHARGE TO: Joe Gerstner CO
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS
 1. Ness City KS WELL/PROJECT NO. #1 LEASE Ryga COUNTY/PARISH Ness STATE KS CITY Lard DATE 7-6-2000 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR NW RIG NAME/NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Surface Ppe SHIPPED VIA air DELIVERED TO Location ORDER NO.
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS WELL PERMIT NO. WELL LOCATION Lard, 1/2-1/4 2 1/2 S E-into

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | MILEAGE | QTY. | | UNIT | PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|-----------------------|---------|------|-----|--------|---------|--------|
| | | LOC | ACCT | DF | | | QTY. | UM | | | |
| 575 | | | | | TRK #112 | | | | 6.00 | 60.00 | |
| 576S | | | | | Pump Charge - Surface | | 1 | job | 925.00 | 925.00 | |
| 325 | | | | | Standard CMT | | 150 | sts | 13.50 | 2025.00 | |
| 279 | | | | | Benisovite Gel | | 3 | sts | 30.00 | 90.00 | |
| 278 | | | | | Calcium Chloride | | 7 | sts | 40.00 | 280.00 | |
| 290 | | | | | D-Air | | 2 | gal | 42.00 | 84.00 | |
| 581 | | | | | CMT Service Charge | | 1 | sts | 1.85 | 277.50 | |
| 582 | | | | | Minimum Damage Charge | | 1 | ec | 250.00 | 250.00 | |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 X
 DATE SIGNED 7-6-2000 TIME SIGNED 1:15 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

| | | | | |
|--|-------|-----------|----------|------------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | AGREE | UNDECIDED | DISAGREE | PAGE TOTAL |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | | 1 |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | 1 |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | 1 |

ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

TOTAL 3928.39

SWIFT OPERATOR Andrey Tuzls APPROVAL Joe Gerstner
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-6-2020 PAGE NO. 1

CUSTOMER Joe Grastner Oil WELL NO. #1 LEASE Bryan JOB TYPE Surface Pipe TICKET NO. 032911

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | ON Location 8 7/8 2316 |
| | | | | | | | | RTD: 221 |
| | 1300 | | | | | | | Start 8 7/8 2316/ft Casing in well |
| | | | | | | | | Break Circulation |
| | 1350 | 3 1/2 | 5 | | | ✓ | 250 | Pump 5 bbl H2O Spacer |
| | 1400 | 4 1/2 | 8.36 | | | ✓ | 150 | Mix 150 sks Standard CMT @ 14.7ppg w/ 2% gel 3% CC |
| | 1410 | 4 1/2 | 0 | | | ✓ | 100 | Start Displacement |
| | | 4 1/2 | 11 | | | ✓ | 300 | Circulate CMT to Surface 10 sks to the Pit |
| | 1415 | 0 | 13.5 | | | ✓ | 300 | KD Pump * Shut in * - Plug down @ 2:15 PM CST |
| | | | | | | | | Release Pressure * Hold * |
| | 1420 | | | | | | | Wash up Trk # 118 |
| | | | | | | | | 150 sks of Standard CMT 2% gel 3% CC used - 10 sks to the Pit. |
| | | | | | | | | Job Complete |
| | | | | | | | | Thanks! |
| | | | | | | | | Judean, Preston, I mean |



Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Bryan #1
 API: 15-135-26094-00-00
 Location: NE-NW-NW-SW Sec. 11-19S-25W (Ness Co)
 License Number: 33605
 Spud Date: 7/6/2020
 Surface Coordinates: 2453'FSL & 610' FWL

Region: KANSAS
 Drilling Completed: 7/14/2020

Bottom Hole
 Coordinates:
 Ground Elevation (ft): 2397
 Logged Interval (ft): 3400 To: TD
 Formation: Viola
 Type of Drilling Fluid: Mud-Co Chemical

K.B. Elevation (ft): 2402
 Total Depth (ft): 4773

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

OPERATOR

Company: Joe Gerstner Oil, LLC
 Address: PO Box 509
 Ness City, KS 67560

GEOLOGIST

Name: Andrew Stenzel
 Company: Petroleum Geologist
 Address: 501 S. Franklin
 Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

7/3/2020 MIRU Murfin Rig #102, shut down for holiday weekend
 7/6/2020 Spud @ 8:45 am, ran surface casing
 7/7/2020 Drilling @ 1491'
 7/8/2020 Drilling @ 3096'
 7/9/2020 Drilling @ 3895'
 7/10/2020 Tripping in with bit after DST #1
 7/11/2020 DST #2, DST #3
 7/12/2020 Drilling @ 4675'
 7/13/2020 Laying down drill pipe @ 4773'
 7/14/2020 Ran production casing

Services

RIG: Murfin Drilling, DBA WW Drilling Rig #102

MUD: MUDCO

LOGS: ELI Wireline; CNDL, PE, DIL, ML, SL

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing set at 221'

PRODUCTION Casing: Ran 130 jts used 5 1/2", 14# casing set at 4525'.

Formation Tops

| Sample Tops | | LogTops | |
|--------------|--------------|--------------|--------------|
| Anhy. | 1681 (+721) | Anhy. | 1680 (+722) |
| Base Anhy. | 1719 (+683) | Base Anhy. | 1716 (+686) |
| Topeka | 3468 (-1066) | Topeka | 3464 (-1062) |
| Heebner | 3765 (-1363) | Heebner | 3767 (-1365) |
| Lansing | 3807 (-1405) | Lansing | 3808 (-1406) |
| BKC | 4123 (-1721) | BKC | 4121 (-1719) |
| Marmaton | 4154 (-1752) | Marmaton | 4158 (-1756) |
| Pawnee | 4242 (-1840) | Pawnee | 4242 (-1840) |
| Ft. Scott | 4319 (-1917) | Ft. Scott | 4315 (-1913) |
| Cher. Sh. | 4344 (-1942) | Cher. Sh. | 4340 (-1938) |
| Miss. | 4439 (-1937) | Miss. | 4414 (-1912) |
| Gilmore City | 4650 (-2248) | Gilmore City | 4648 (-2246) |
| Viola | 4742 (-2340) | Viola | 4738 (-2238) |
| RTD | 4773 (-2371) | LTD | 4770 (-2168) |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66636

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 01:20:32

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:22:02

Time Test Ended: 07:29:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **4146.00 ft (KB) To 4257.00 ft (KB) (TVD)**

Reference Elevations: 2402.00 ft (KB)

Total Depth: 4257.00 ft (KB) (TVD)

2397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674 Outside

Press@RunDepth: 124.92 psig @ 4147.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.07.10

End Date: 2020.07.10

Last Calib.: 2020.07.10

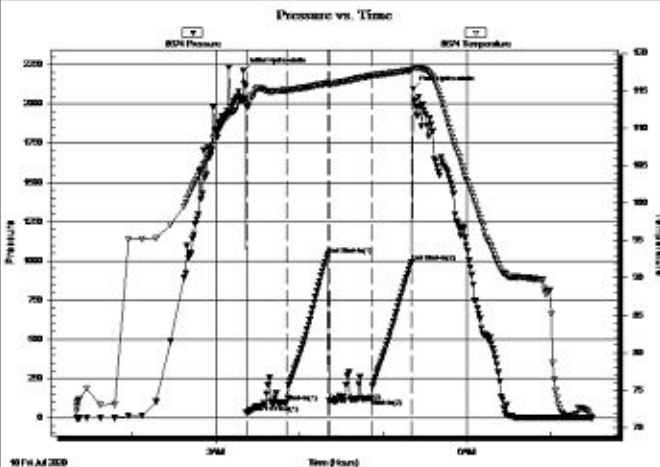
Start Time: 01:20:37

End Time: 07:29:31

Time On Btmr: 2020.07.10 @ 03:20:02

Time Off Btmr: 2020.07.10 @ 05:21:32

TEST COMMENT: IF: 1" blow built to 4"
IS: No return.
FF: 1/4" blow built to 3"
FS: No return. 30-30-30-30



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2210.22 | 114.01 | Initial Hydro-static |
| 2 | 30.81 | 113.05 | Open To Flow (1) |
| 31 | 98.14 | 115.05 | Shut-In(1) |
| 61 | 1041.88 | 115.98 | End Shut-In(1) |
| 62 | 108.06 | 115.85 | Open To Flow (2) |
| 92 | 124.92 | 116.98 | Shut-In(2) |
| 121 | 994.73 | 117.73 | End Shut-In(2) |
| 122 | 2093.72 | 118.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 63.00 | w cm 5%w 95%m | 0.31 |
| 126.00 | mud 100%m | 1.24 |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66637 **DST#:2**

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 18:51:38

GENERAL INFORMATION:

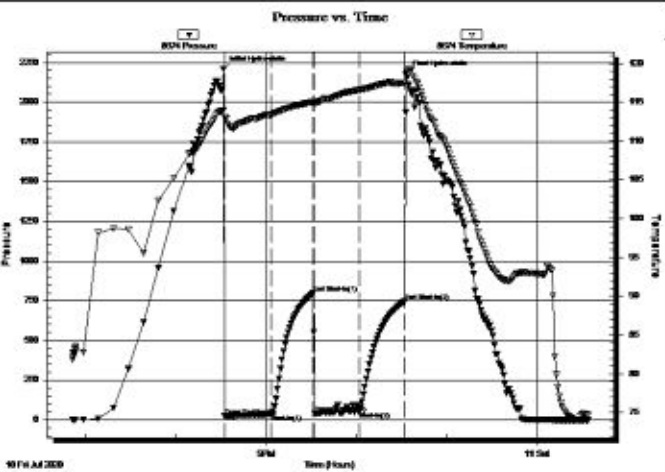
Formation: **Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:32:38
 Time Test Ended: 00:33:38
 Interval: **4295.00 ft (KB) To 4350.00 ft (KB) (TVD)**
 Total Depth: 4350.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2402.00 ft (KB)
 2397.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8674

Outside

Press@RunDepth: 50.11 psig @ 4296.00 ft (KB)
 Start Date: 2020.07.10 End Date: 2020.07.11
 Start Time: 18:51:43 End Time: 00:33:37
 Capacity: 8000.00 psig
 Last Calib.: 2020.07.11
 Time On Btmr: 2020.07.10 @ 20:31:38
 Time Off Btmr: 2020.07.10 @ 22:33:08

TEST COMMENT: IF: 1/2" blow built to 1 1/4"
 IS: No return.
 FF: No blow.
 FS: No return. 30-30-30-30



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2208.11 | 113.97 | Initial Hydro-static |
| 1 | 25.21 | 113.07 | Open To Flow (1) |
| 32 | 34.32 | 113.33 | Shut-In(1) |
| 60 | 795.52 | 115.01 | End Shut-In(1) |
| 61 | 39.55 | 114.86 | Open To Flow (2) |
| 90 | 50.11 | 116.57 | Shut-In(2) |
| 121 | 746.79 | 117.52 | End Shut-In(2) |
| 122 | 2178.55 | 118.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | mud 100%m | 0.07 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66638 **DST#:3**

ATTN: Andrew Stenzel

Test Start: 2020.07.11 @ 13:50:08

GENERAL INFORMATION:

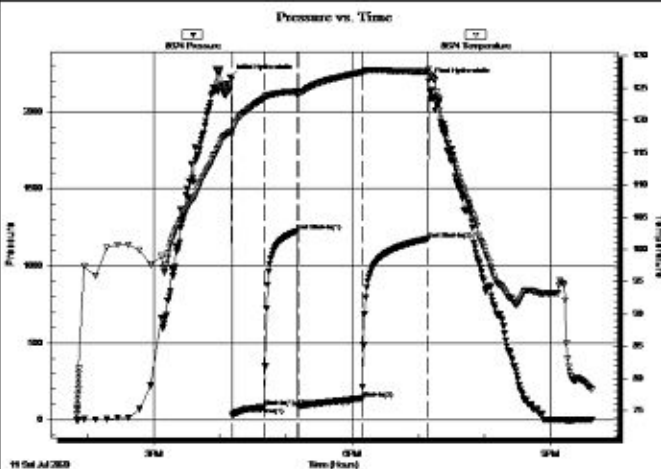
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:11:08
 Time Test Ended: 21:37:38
 Interval: **4425.00 ft (KB) To 4445.00 ft (KB) (TVD)**
 Total Depth: 4445.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2402.00 ft (KB)
 2397.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8674

Outside

Press@RunDepth: 140.19 psig @ 4426.00 ft (KB)
 Start Date: 2020.07.11 End Date: 2020.07.11
 Start Time: 13:50:13 End Time: 21:37:37
 Capacity: 8000.00 psig
 Last Calib.: 2020.07.11
 Time On Btmr: 2020.07.11 @ 16:09:08
 Time Off Btmr: 2020.07.11 @ 19:09:08

TEST COMMENT: IF: 1/2" blow built to 9 1/2"
 IS: No return.
 FF: BOB in 32 mins. 15"
 FS: Surface blow built to 1/2" 30-30-60-60



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2223.62 | 118.14 | Initial Hydro-static |
| 2 | 30.24 | 117.78 | Open To Flow (1) |
| 31 | 84.81 | 123.43 | Shut-In(1) |
| 61 | 1223.97 | 124.46 | End Shut-In(1) |
| 63 | 91.57 | 124.15 | Open To Flow (2) |
| 120 | 140.19 | 127.41 | Shut-In(2) |
| 179 | 1173.57 | 127.56 | End Shut-In(2) |
| 180 | 2197.53 | 127.94 | Final Hydro-static |

Recovery


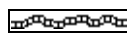
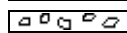
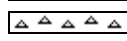
| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 121.00 | w cm 50%w 50%m | 0.60 |
| 63.00 | ocm 30%o 70%m | 0.88 |
| 123.00 | go 10%g 90%o | 1.73 |
| 0.00 | 189 GIP | 0.00 |
| | | |
| | | |

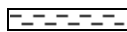


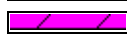
* Recovery from multiple tests





Gas Rates

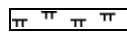

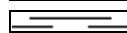
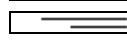
| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |

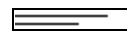



ROCK TYPES

-  Anhy
-  Bent
-  Brec
-  Cht

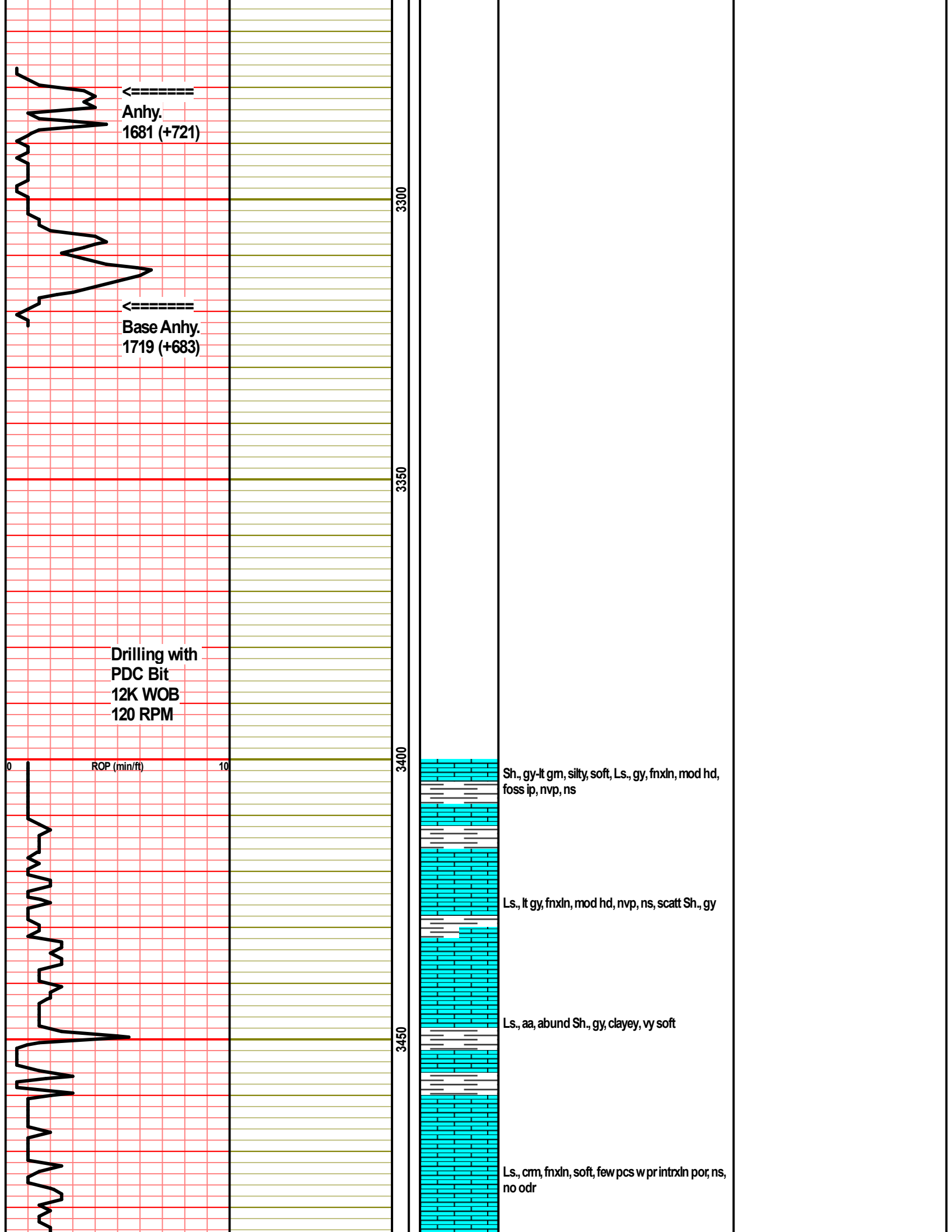
-  Clyst
-  Carb shale
-  Congl
-  Dol

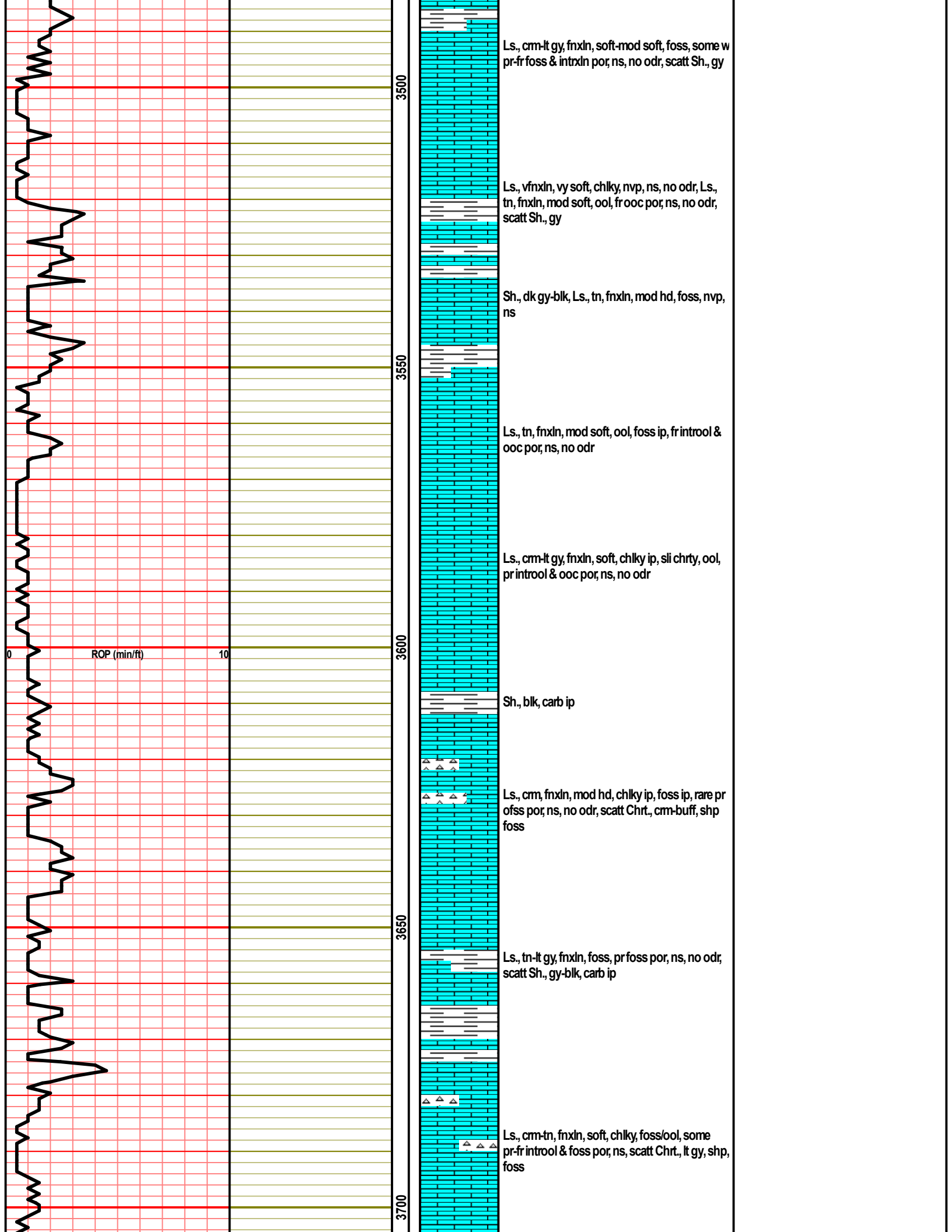
-  Gyp
-  Igne
-  Lmst
-  Meta

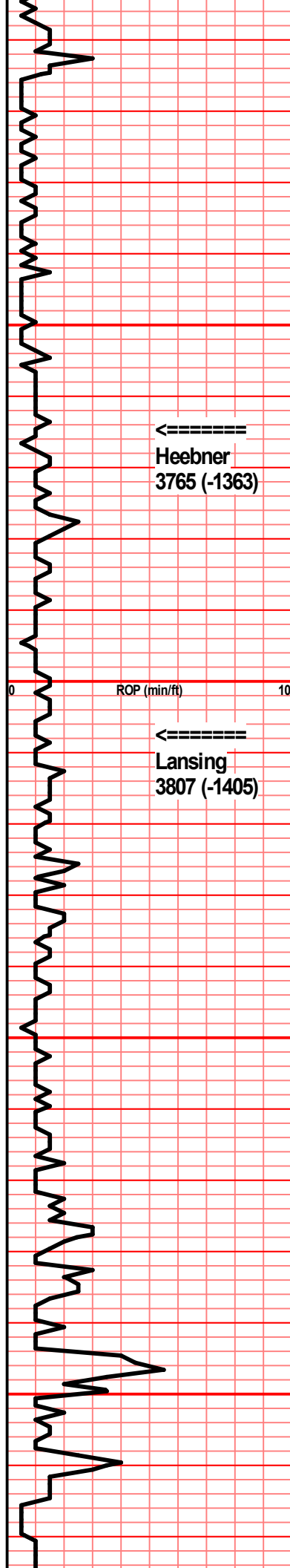
-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till

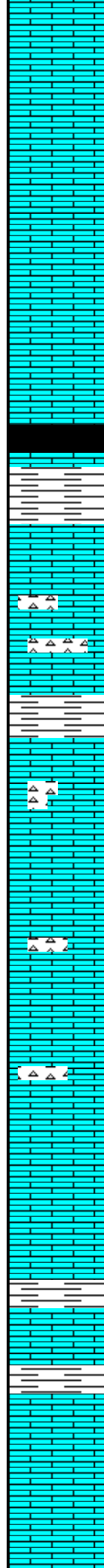
| ROP ROP (min/ft) | Misc | MD <small>Of Strips</small> | % Lithology | Geological Descriptions | DST |
|------------------------|------|--------------------------------|-------------|-------------------------|-----|
| 0 — 10 ROP (min/ft) | | 31 | | | |
| | | 3150 | | | |
| 0 — 10 ROP (min/ft) | | 3200 | | | |
| | | 3250 | | | |







3750
3800
3850
3900



Ls., aa, mottld bm ip, some ooc por, ns, incr amt
chlky

Ls., aa

Sh., blk, carb

Sh., lt gy-lt gm, vy soft

Ls., cm, fnxn, mod hd, ool ip, pr introol por, ns,
scatt Chrt., cm, shp

Sh., gy-bm, Ls., cm-tn, fnxn, foss ip, pr foss
por ip, ns, scatt Chrt., cm, shp

Ls., tn, fn-vfnxn, mod hd, dns, ns, scatt Chrt.,
tn, shp

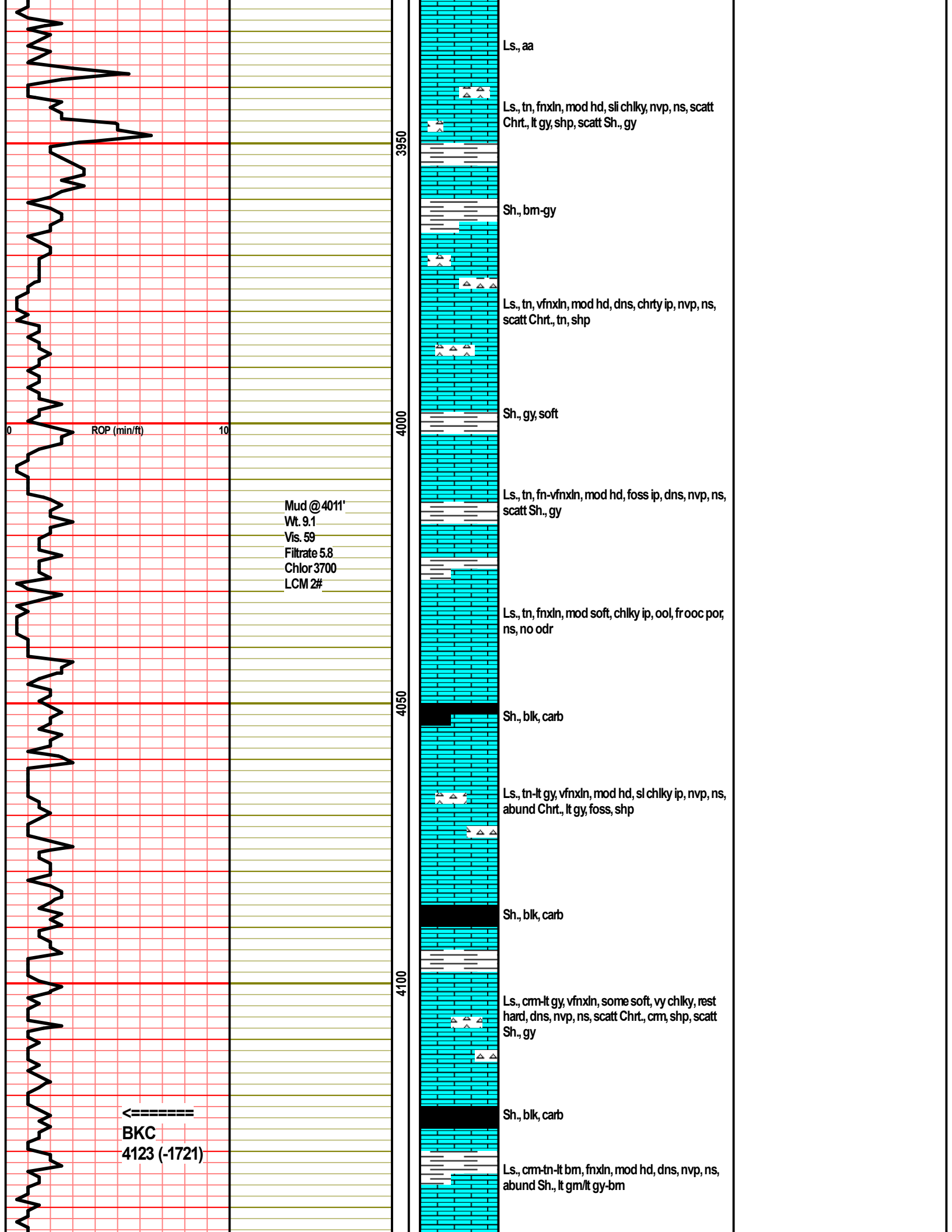
Ls., cm, fn-vfnxn, mod hd-hd, foss ip, few pcs
w pr foss por, ns

Ls., tn-cm, fnxn, mod soft, foss ip, ool ip, few
pcs w pr foss & ooc por, ns, no odr

Sh., dk gy-blk

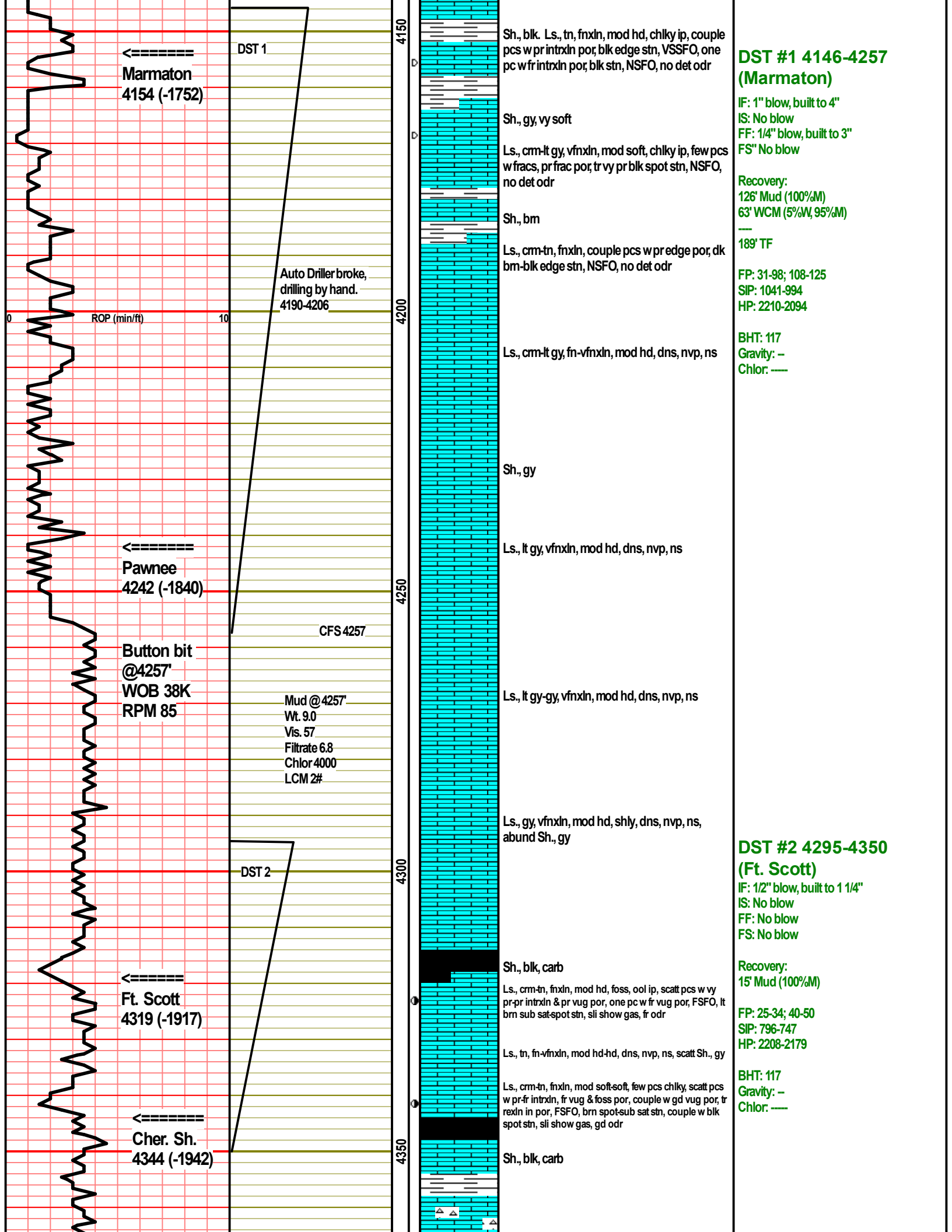
Ls., tn-lt gy, fnxn, mod soft-soft, chlky, ool, few
pcs w pr introol por, ns, no odr, abund Sh., gy

Ls., cm-tn, fnxn, soft, chlky, ool, pr ooc por, ns,
no odr



Mud @4011'
Wt. 9.1
Vis. 59
Filtrate 5.8
Chlor 3700
LCM 2#

←=====
BKC
4123 (-1721)



←===== Marmaton 4154 (-1752)

DST 1

Auto Driller broke, drilling by hand. 4190-4206

ROP (min/ft) 0 10

←===== Pawnee 4242 (-1840)

CFS 4257

Button bit @4257' WOB 38K RPM 85

Mud @4257' Wt. 9.0 Vis. 57 Filtrate 6.8 Chlor 4000 LCM 2#

DST 2

←===== Ft. Scott 4319 (-1917)

←===== Cher. Sh. 4344 (-1942)

Sh., blk. Ls., tn, frxn, mod hd, chky ip, couple pcs w pr intrxn por, blk edge str, VSSFO, one pc w fr intrxn por, blk str, NSFO, no det odr

Sh., gy, vy soft

Ls., cm-lt gy, vfnxn, mod soft, chky ip, few pcs w frac, pr frac por, tr vy pr blk spot str, NSFO, no det odr

Sh., bm

Ls., cm-tn, frxn, couple pcs w pre edge por, dk bm-blk edge str, NSFO, no det odr

Ls., cm-lt gy, fn-vfnxn, mod hd, dns, nvp, ns

Sh., gy

Ls., lt gy, vfnxn, mod hd, dns, nvp, ns

Ls., lt gy-gy, vfnxn, mod hd, dns, nvp, ns

Ls., gy, vfnxn, mod hd, shly, dns, nvp, ns, abund Sh., gy

Sh., blk, carb

Ls., cm-tn, frxn, mod hd, foss, ool ip, scatt pcs w vy pr-pr intrxn & pr vug por, one pc w fr vug por, FSFO, lt brn sub sat-spot str, sli show gas, fr odr

Ls., tn, fn-vfnxn, mod hd-hd, dns, nvp, ns, scatt Sh., gy

Ls., cm-tn, frxn, mod soft-soft, few pcs chky, scatt pcs w pr-fr intrxn, fr vug & foss por, couple w gd vug por, tr rexn in por, FSFO, brn spot-sub sat str, couple w blk spot str, sli show gas, gd odr

Sh., blk, carb

DST #1 4146-4257 (Marmaton)

IF: 1" blow, built to 4"
IS: No blow
FF: 1/4" blow, built to 3"
FS: No blow

Recovery:
126' Mud (100%M)
63' WCM (5%W, 95%M)

189' TF

FP: 31-98; 108-125
SIP: 1041-994
HP: 2210-2094

BHT: 117
Gravity: -
Chlor: ---

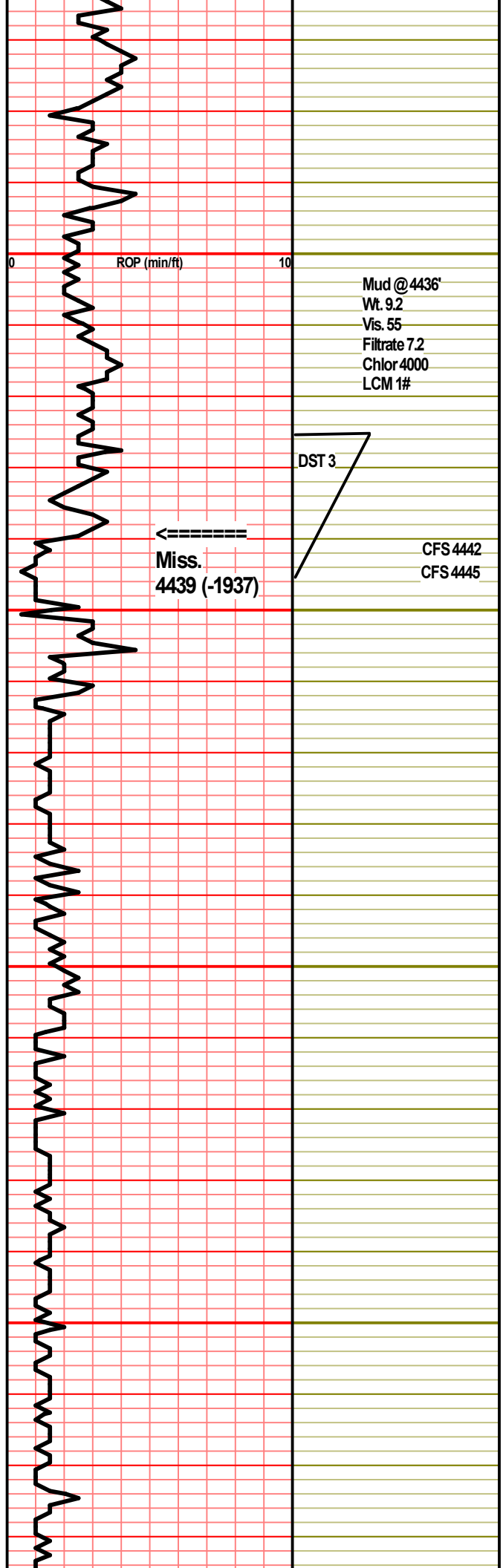
DST #2 4295-4350 (Ft. Scott)

IF: 1/2" blow, built to 1 1/4"
IS: No blow
FF: No blow
FS: No blow

Recovery:
15' Mud (100%M)

FP: 25-34; 40-50
SIP: 796-747
HP: 2208-2179

BHT: 117
Gravity: -
Chlor: ---

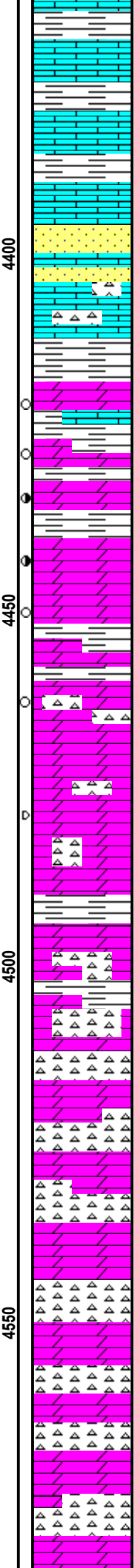


Mud @ 4436'
 Wt. 9.2
 Vis. 55
 Filtrate 7.2
 Chlor 4000
 LCM 1#

DST 3

Miss.
 4439 (-1937)

CFS 4442
 CFS 4445



Ls., crm-tn, vfnxn, mod hd-hd, some soft, chilky, nvp, ns, abund Sh., gy-bm, scatt Chrt., clr, weath

Ls., aa, few pcs w vy pr intrxn por, blk res stn, NSFO, no det odr, abund Sh., gy-lt gm-bm, soft ip, sandy ip

Sh., gy-bm-rd, SS, wht, vfnxm, vy chilky, vy pr intrgran por in few, SSFO, brn-blk spot-sub sat stn, no det odr, scatt Chrt., tn-crm, weath

Ls., tn, vfnxn, mod hd-hd, dns, nvp, ns, abund Sh., gy, scatt Chrt., tn-brn-org, weath, few pcs Dol., crm, vfnxn, hd, few pcs w vy pr intrxn por, VSSFO, tr blk stn, vy wk cup odr

Sh., gy, Dol., crm, vfnxn, hd, weath/rework ip, most dns w nvp, scatt pcs w vy pr intrxn por, tr blk stn vy few pcs w vy pr-rare pr vug & spic por, FSFO, spot dk brn stn, wk cup odr, scatt Ls., aa

Dol., most aa, 10-20% tn, sli fri, pr-fr intrxn & vug por, GSFO, brn sat, fr odr, abund Sh., gy-brn

Dol., tn, fnxn, mod soft/fri, sucr ip, fr intrxn & vug por, FSFO, SSFO in few, lt brn sat in most, vy few w spot stn, gd odr

Dol., tn-lt gy, fnxn-rare medxn, mod hd, pr intrxn & fr vug por, 30-40% w FSFO, dk brn-blk sub sat stn, rest w SSFO, dk brn-blk spot stn, fr odr

Dol., aa, vy decr shows, most w SSFO, spot blk-dk brn stn, few pcs barren, scatt Chrt., clr, weath, Sh., gy-brn

Dol., crm-tn, fnxn, mod hd/firm, fr vug por, few pcs w FSFO, most w VSSFO, many barren, tr brn sub sat stn, wk odr, incr Chrt., clr-wht, weath

Dol., aa, decr shows, abund Sh., gy-bm-rd, prob sluff

Dol., crm, fn-vfnxn, mod hd, fr vug por, ns, no odr, abund Chrt., lt gy-clr, weath, scatt Sh., gy-bm

Chrt., wht, trip ip, nvp, ns, Dol., crm-lt gy, vfnxn, mod hd-hd, one pc w pr intrxn & fr vug por, SSFO, rest barren, no det odr

Chrt & Dol., aa

Chrt., wht, shp, trip ip, Dol crm-tn, fnxn, mod hd-hd, few pcs sli sucr w pr intrxn & pr vug

DST #3 4425-4445 (Mississippian)

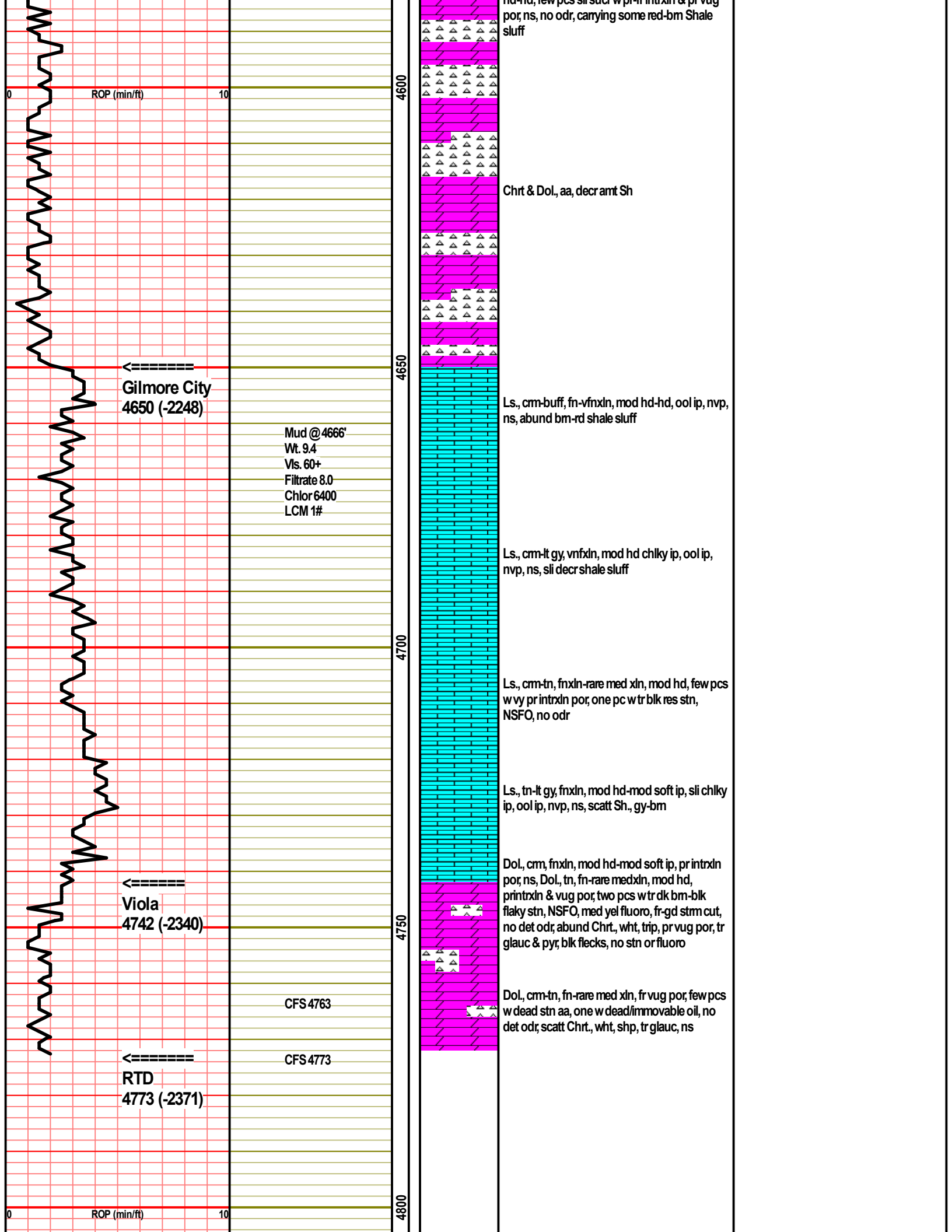
IF: 1/2" blow, built to 9 1/2"
 IS: No blow
 FF: BOB in 32 min, built to 15"
 FS: SB, built to 1/2"

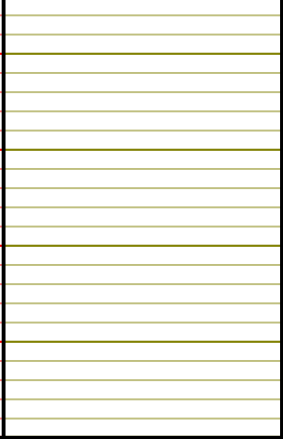
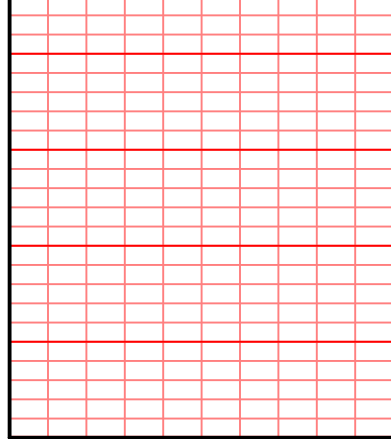
Recovery:
 189' GIP
 123' GO (10%G, 90%O)
 63' OCM (30%O, 70%aM)
 121' WCM (50%W, 50%aM)

 207' TF

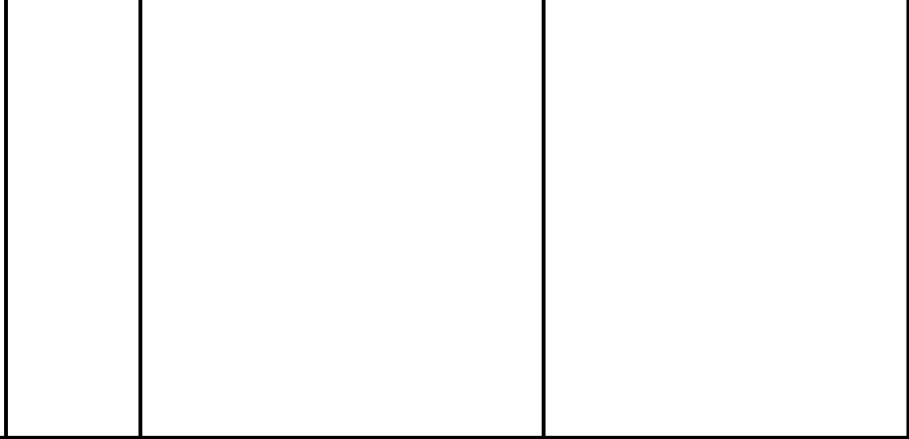
FP: 30-85; 92-140
 SIP: 1224-1174
 HP: 2224-2198

BHT: 127
 Gravity: 38
 Chlor: 14000





50





DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

P.O. Box 509
Ness City, KS 67560

ATTN: Andrew Stenzel

Bryan #1

11-19s-25w Ness,KS

Start Date: 2020.07.10 @ 01:20:32

End Date: 2020.07.10 @ 07:29:32

Job Ticket #: 66636 DST #: 1

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

Printed: 2020.07.13 @ 17:01:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66636

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 01:20:32

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:22:02

Time Test Ended: 07:29:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4146.00 ft (KB) To 4257.00 ft (KB) (TVD)

Reference Elevations: 2402.00 ft (KB)

Total Depth: 4257.00 ft (KB) (TVD)

2397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674 Outside

Press@RunDepth: 124.92 psig @ 4147.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.07.10 End Date: 2020.07.10

Last Calib.: 2020.07.10

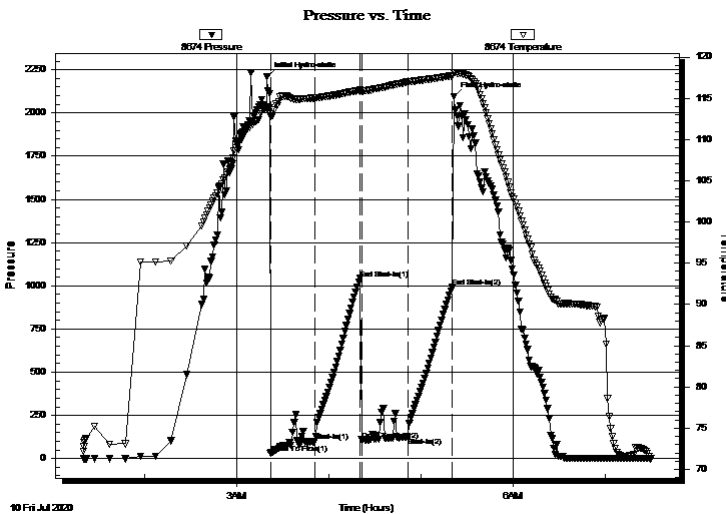
Start Time: 01:20:37 End Time: 07:29:31

Time On Btm: 2020.07.10 @ 03:20:02

Time Off Btm: 2020.07.10 @ 05:21:32

TEST COMMENT: IF: 1" blow built to 4"
IS: No return.
FF: 1/4" blow built to 3"
FS: No return. 30-30-30-30

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2210.22 | 114.01 | Initial Hydro-static |
| 2 | 30.81 | 113.05 | Open To Flow (1) |
| 31 | 98.14 | 115.05 | Shut-In(1) |
| 61 | 1041.88 | 115.98 | End Shut-In(1) |
| 62 | 108.06 | 115.85 | Open To Flow (2) |
| 92 | 124.92 | 116.98 | Shut-In(2) |
| 121 | 994.73 | 117.73 | End Shut-In(2) |
| 122 | 2093.72 | 118.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 63.00 | w cm 5%w 95%m | 0.31 |
| 126.00 | mud 100%m | 1.24 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

11-19s-25w Ness, KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66636

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 01:20:32

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4021.00 ft | Diameter: 3.80 inches | Volume: 56.40 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 121.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 57.00 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 26.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 4146.00 ft | | | Final 56000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 111.00 ft | | | |
| Tool Length: | 141.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

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

| | | | | | |
|---------------------------|---------------|------|---------|---------|--------------------------------|
| Stubb | 1.00 | | | 4117.00 | |
| Shut In Tool | 5.00 | | | 4122.00 | |
| Hydraulic tool | 5.00 | | | 4127.00 | |
| Jars | 5.00 | | | 4132.00 | |
| EM Tool | 3.00 | | | 4135.00 | |
| Safety Joint | 2.00 | | | 4137.00 | |
| Packer | 5.00 | | | 4142.00 | 30.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4146.00 | |
| Stubb | 1.00 | | | 4147.00 | |
| Recorder | 0.00 | 8790 | Inside | 4147.00 | |
| Recorder | 0.00 | 8674 | Outside | 4147.00 | |
| Perforations | 11.00 | | | 4158.00 | |
| Change Over Sub | 1.00 | | | 4159.00 | |
| Drill Pipe | 94.00 | | | 4253.00 | |
| Change Over Sub | 1.00 | | | 4254.00 | |
| Bullnose | 3.00 | | | 4257.00 | 111.00 Bottom Packers & Anchor |
| Total Tool Length: | 141.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66636

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 01:20:32

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 63.00 | w cm 5%w 95%m | 0.310 |
| 126.00 | mud 100%m | 1.239 |

Total Length: 189.00 ft

Total Volume: 1.549 bbl

Num Fluid Samples: 0

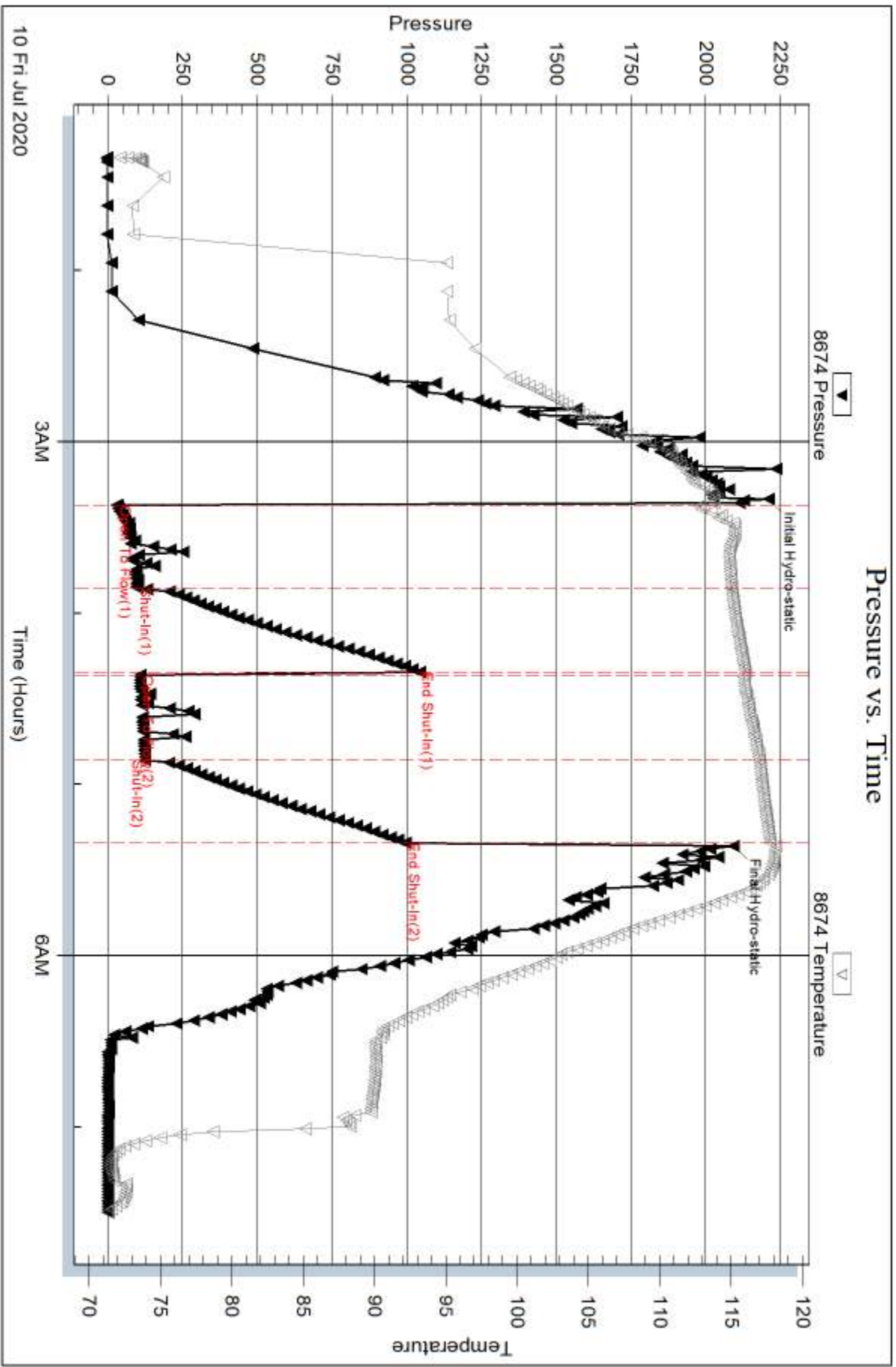
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



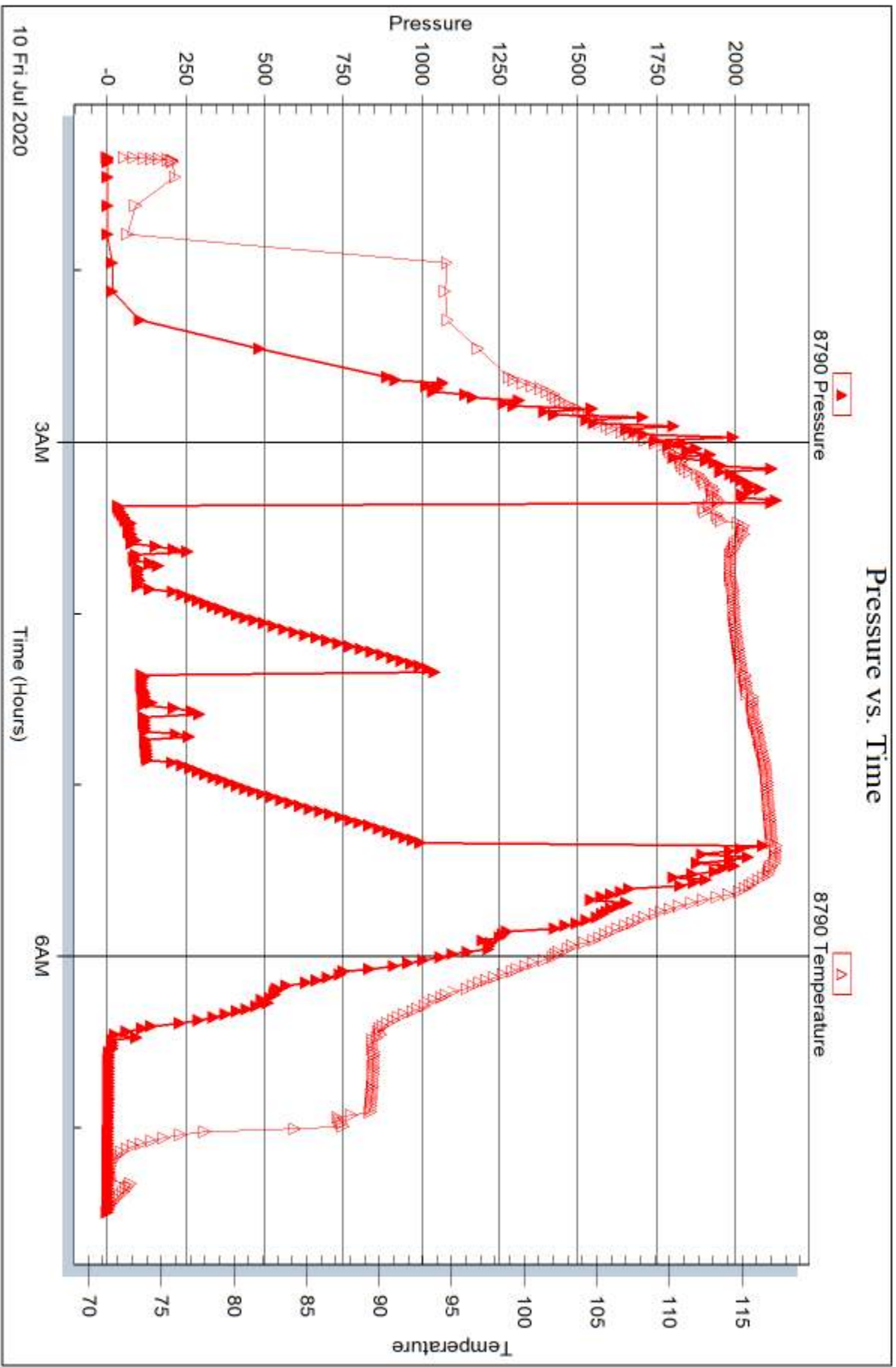
Serial #: 8790

Inside

Joe Gerstner Oil LLC

Bryan #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66636

Printed: 2020.07.13 @ 17:01:13



DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

P.O. Box 509
Ness City, KS 67560

ATTN: Andrew Stenzel

Bryan #1

11-19s-25w Ness,KS

Start Date: 2020.07.10 @ 18:51:38

End Date: 2020.07.11 @ 00:33:38

Job Ticket #: 66637 DST #: 2

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

Printed: 2020.07.13 @ 17:00:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness, KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66637

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 18:51:38

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:32:38

Time Test Ended: 00:33:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4295.00 ft (KB) To 4350.00 ft (KB) (TVD)

Reference Elevations: 2402.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

2397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674 Outside

Press@RunDepth: 50.11 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.07.10

End Date:

2020.07.11

Last Calib.: 2020.07.11

Start Time: 18:51:43

End Time:

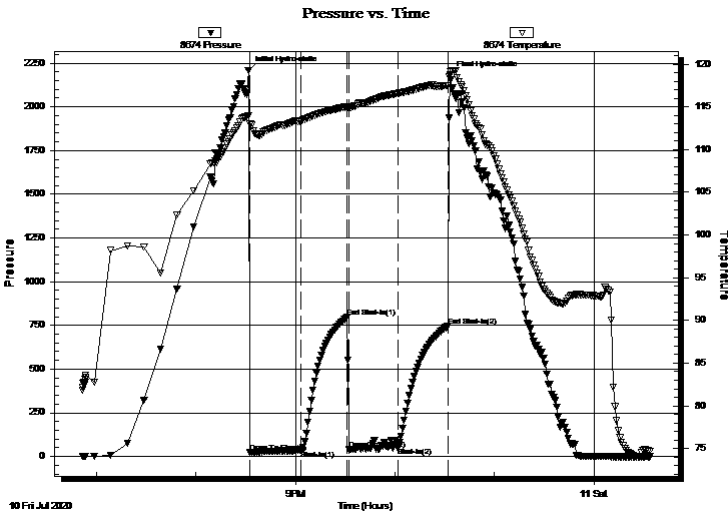
00:33:37

Time On Btm: 2020.07.10 @ 20:31:38

Time Off Btm: 2020.07.10 @ 22:33:08

TEST COMMENT: IF: 1/2" blow built to 1 1/4"
IS: No return.
FF: No blow.
FS: No return. 30-30-30-30

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2208.11 | 113.97 | Initial Hydro-static |
| 1 | 25.21 | 113.07 | Open To Flow (1) |
| 32 | 34.32 | 113.33 | Shut-In(1) |
| 60 | 795.52 | 115.01 | End Shut-In(1) |
| 61 | 39.55 | 114.86 | Open To Flow (2) |
| 90 | 50.11 | 116.57 | Shut-In(2) |
| 121 | 746.79 | 117.52 | End Shut-In(2) |
| 122 | 2178.55 | 118.77 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | mud 100%m | 0.07 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

11-19s-25w Ness, KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66637

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 18:51:38

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4176.00 ft | Diameter: 3.80 inches | Volume: 58.58 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 121.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 59.18 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 32.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 4295.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 55.00 ft | | | |
| Tool Length: | 85.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

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

| | | | | | |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Stubb | 1.00 | | | 4266.00 | |
| Shut In Tool | 5.00 | | | 4271.00 | |
| Hydraulic tool | 5.00 | | | 4276.00 | |
| Jars | 5.00 | | | 4281.00 | |
| EM Tool | 3.00 | | | 4284.00 | |
| Safety Joint | 2.00 | | | 4286.00 | |
| Packer | 5.00 | | | 4291.00 | 30.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4295.00 | |
| Stubb | 1.00 | | | 4296.00 | |
| Recorder | 0.00 | 8790 | Inside | 4296.00 | |
| Recorder | 0.00 | 8674 | Outside | 4296.00 | |
| Perforations | 15.00 | | | 4311.00 | |
| Change Over Sub | 1.00 | | | 4312.00 | |
| Drill Pipe | 32.00 | | | 4344.00 | |
| Change Over Sub | 1.00 | | | 4345.00 | |
| Perforations | 2.00 | | | 4347.00 | |
| Bullnose | 3.00 | | | 4350.00 | 55.00 Bottom Packers & Anchor |
| Total Tool Length: | 85.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66637

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2020.07.10 @ 18:51:38

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 15.00 | mud 100%m | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

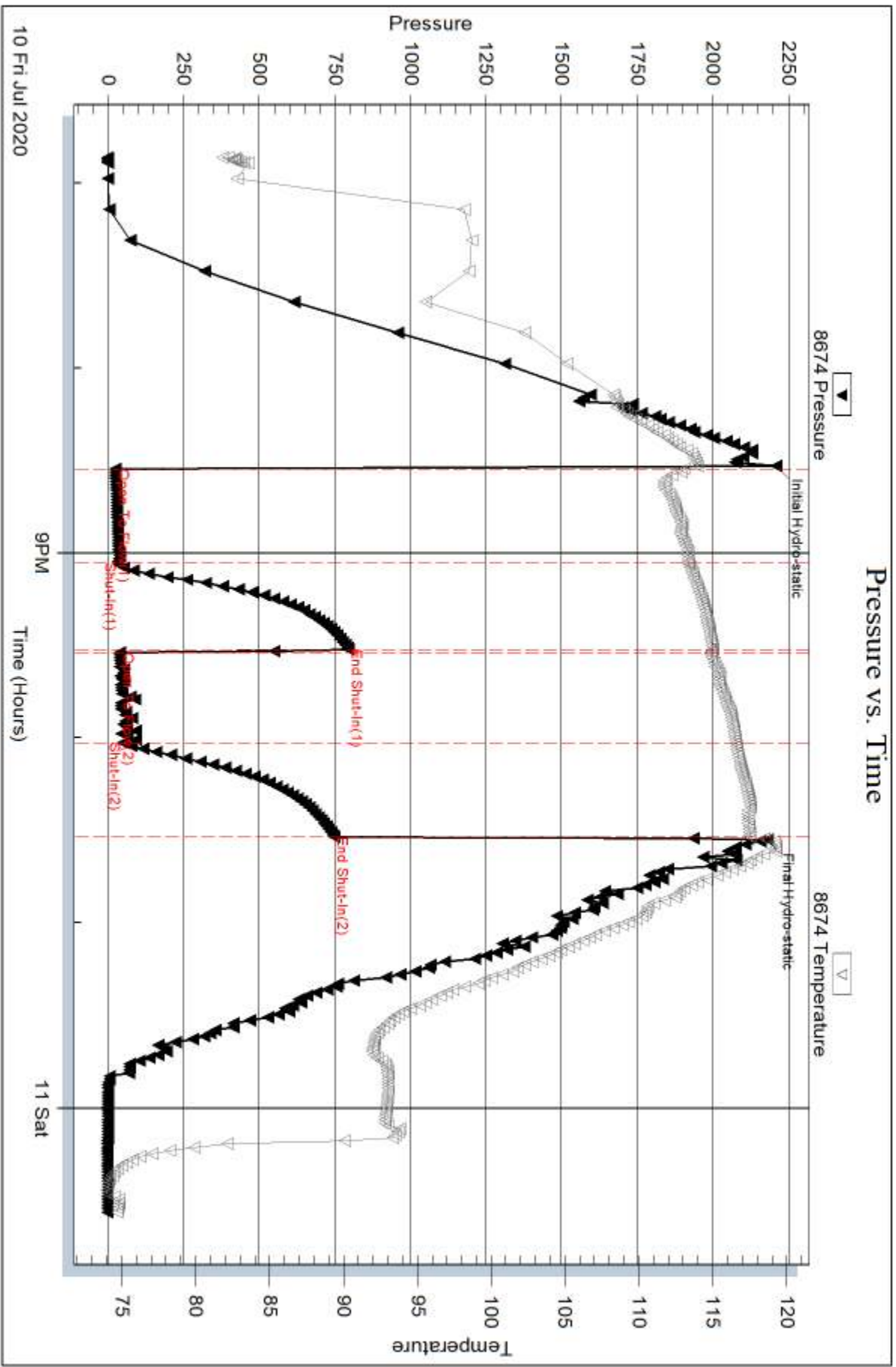
Recovery Comments:

Serial #: 8674

Outside Joe Gerstner Oil LLC

Bryan #1

DST Test Number: 2



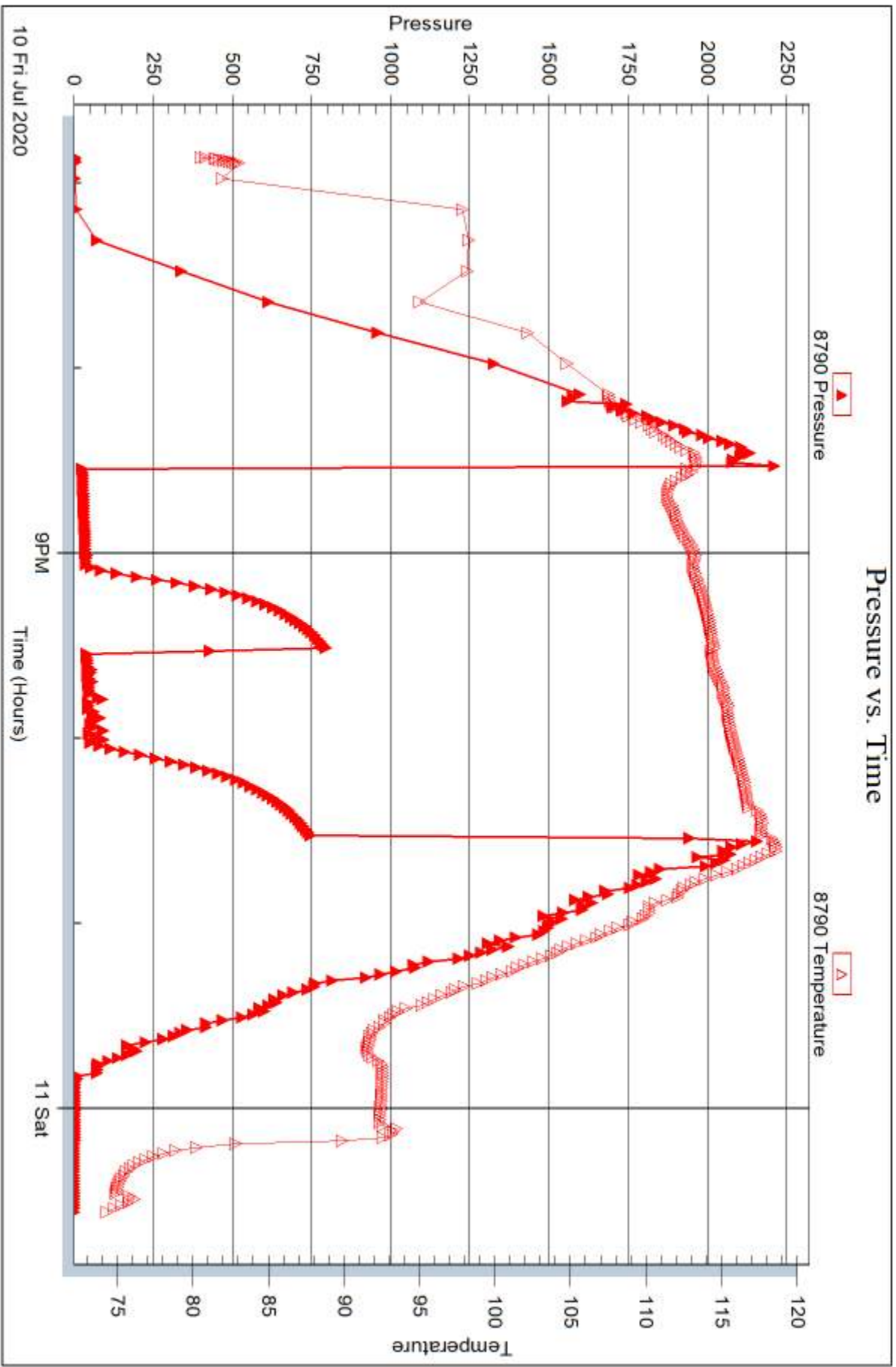
Serial #: 8790

Inside

Joe Gerstner Oil LLC

Bryan #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66637

Printed: 2020.07.13 @ 17:00:12



DRILL STEM TEST REPORT

Prepared For: **Joe Gerstner Oil LLC**

P.O. Box 509
Ness City, KS 67560

ATTN: Andrew Stenzel

Bryan #1

11-19s-25w Ness,KS

Start Date: 2020.07.11 @ 13:50:08

End Date: 2020.07.11 @ 21:37:38

Job Ticket #: 66638 DST #: 3

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

Printed: 2020.07.13 @ 16:57:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Joe Gerstner Oil LLC

11-19s-25w Ness, KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66638

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2020.07.11 @ 13:50:08

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:11:08

Time Test Ended: 21:37:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4425.00 ft (KB) To 4445.00 ft (KB) (TVD)

Reference Elevations: 2402.00 ft (KB)

Total Depth: 4445.00 ft (KB) (TVD)

2397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8674 Outside

Press@RunDepth: 140.19 psig @ 4426.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.07.11

End Date:

2020.07.11

Last Calib.:

2020.07.11

Start Time:

13:50:13

End Time:

21:37:37

Time On Btm:

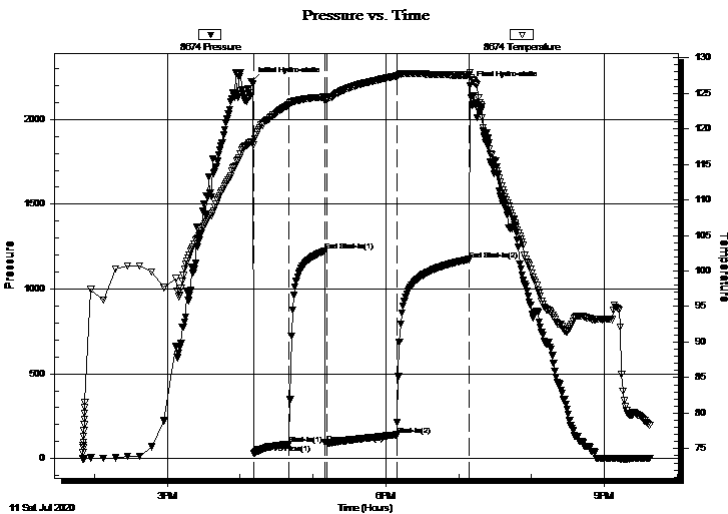
2020.07.11 @ 16:09:08

Time Off Btm:

2020.07.11 @ 19:09:08

TEST COMMENT: IF: 1/2" blow built to 9 1/2"
IS: No return.
FF: BOB in 32 mins. 15"
FS: Surface blow built to 1/2" 30-30-60-60

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2223.62 | 118.14 | Initial Hydro-static |
| 2 | 30.24 | 117.78 | Open To Flow (1) |
| 31 | 84.81 | 123.43 | Shut-In(1) |
| 61 | 1223.97 | 124.46 | End Shut-In(1) |
| 63 | 91.57 | 124.15 | Open To Flow (2) |
| 120 | 140.19 | 127.41 | Shut-In(2) |
| 179 | 1173.57 | 127.56 | End Shut-In(2) |
| 180 | 2197.53 | 127.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 121.00 | w cm 50%w 50%m | 0.60 |
| 63.00 | ocm 30%o 70%m | 0.88 |
| 123.00 | go 10%g 90%o | 1.73 |
| 0.00 | 189 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66638

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2020.07.11 @ 13:50:08

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4304.00 ft | Diameter: 3.80 inches | Volume: 60.37 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 121.00 ft | Diameter: 2.25 inches | Volume: 0.60 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 60.97 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 4425.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 20.00 ft | | | |
| Tool Length: | 50.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

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

| | | | | | |
|----------------|-------|------|---------|---------|-------------------------------|
| Stubb | 1.00 | | | 4396.00 | |
| Shut In Tool | 5.00 | | | 4401.00 | |
| Hydraulic tool | 5.00 | | | 4406.00 | |
| Jars | 5.00 | | | 4411.00 | |
| EM Tool | 3.00 | | | 4414.00 | |
| Safety Joint | 2.00 | | | 4416.00 | |
| Packer | 5.00 | | | 4421.00 | 30.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4425.00 | |
| Stubb | 1.00 | | | 4426.00 | |
| Recorder | 0.00 | 8790 | Inside | 4426.00 | |
| Recorder | 0.00 | 8674 | Outside | 4426.00 | |
| Perforations | 16.00 | | | 4442.00 | |
| Bullnose | 3.00 | | | 4445.00 | 20.00 Bottom Packers & Anchor |

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Joe Gerstner Oil LLC

11-19s-25w Ness,KS

P.O. Box 509
Ness City, KS 67560

Bryan #1

Job Ticket: 66638

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2020.07.11 @ 13:50:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

14000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|----------------|----------------|
| 121.00 | w cm 50%w 50%m | 0.595 |
| 63.00 | ocm 30%o 70%m | 0.884 |
| 123.00 | go 10%g 90%o | 1.725 |
| 0.00 | 189 GIP | 0.000 |

Total Length: 307.00 ft Total Volume: 3.204 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

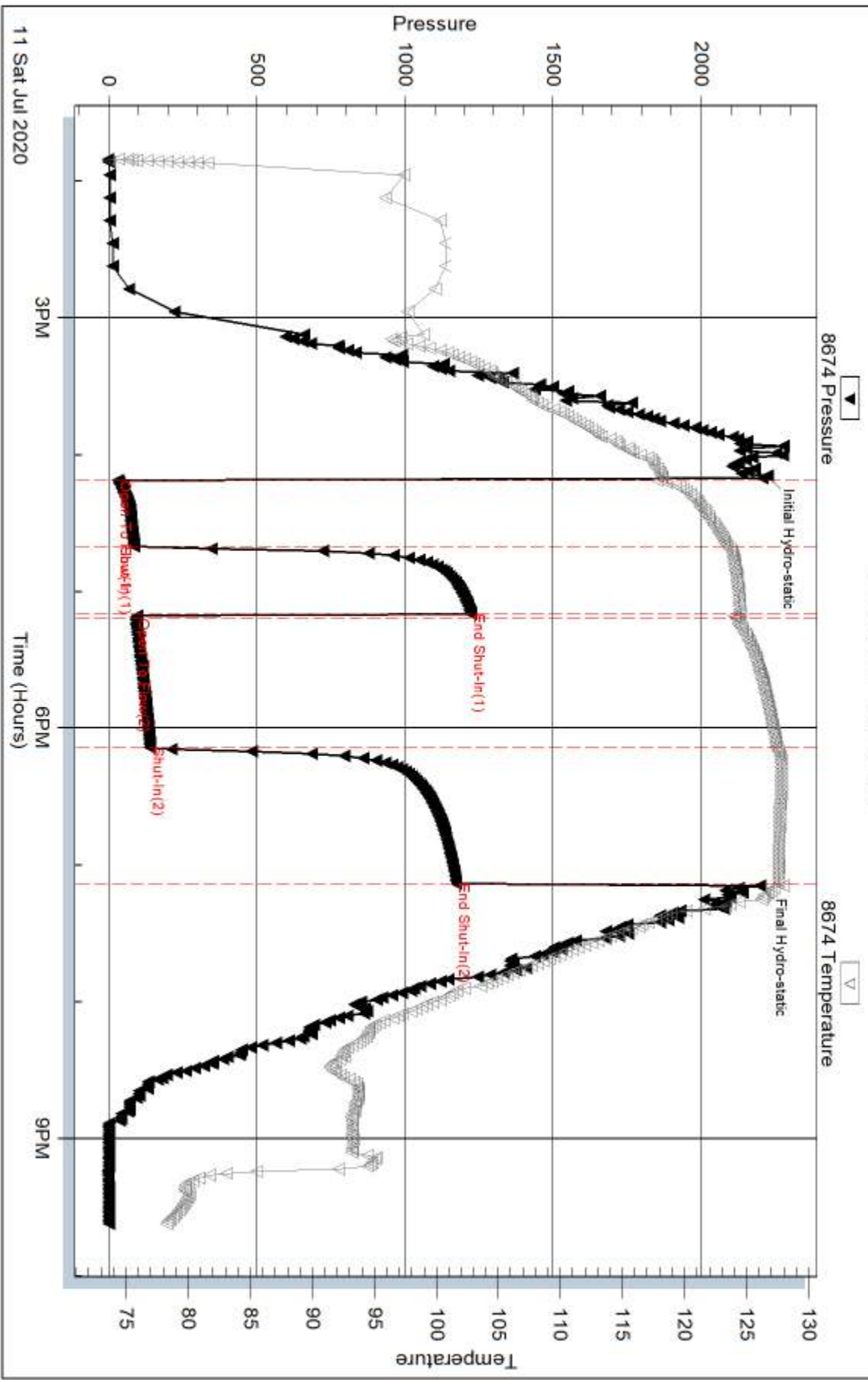
Laboratory Name:

Laboratory Location:

Recovery Comments: 40@80=38

.43@76=14000

Pressure vs. Time



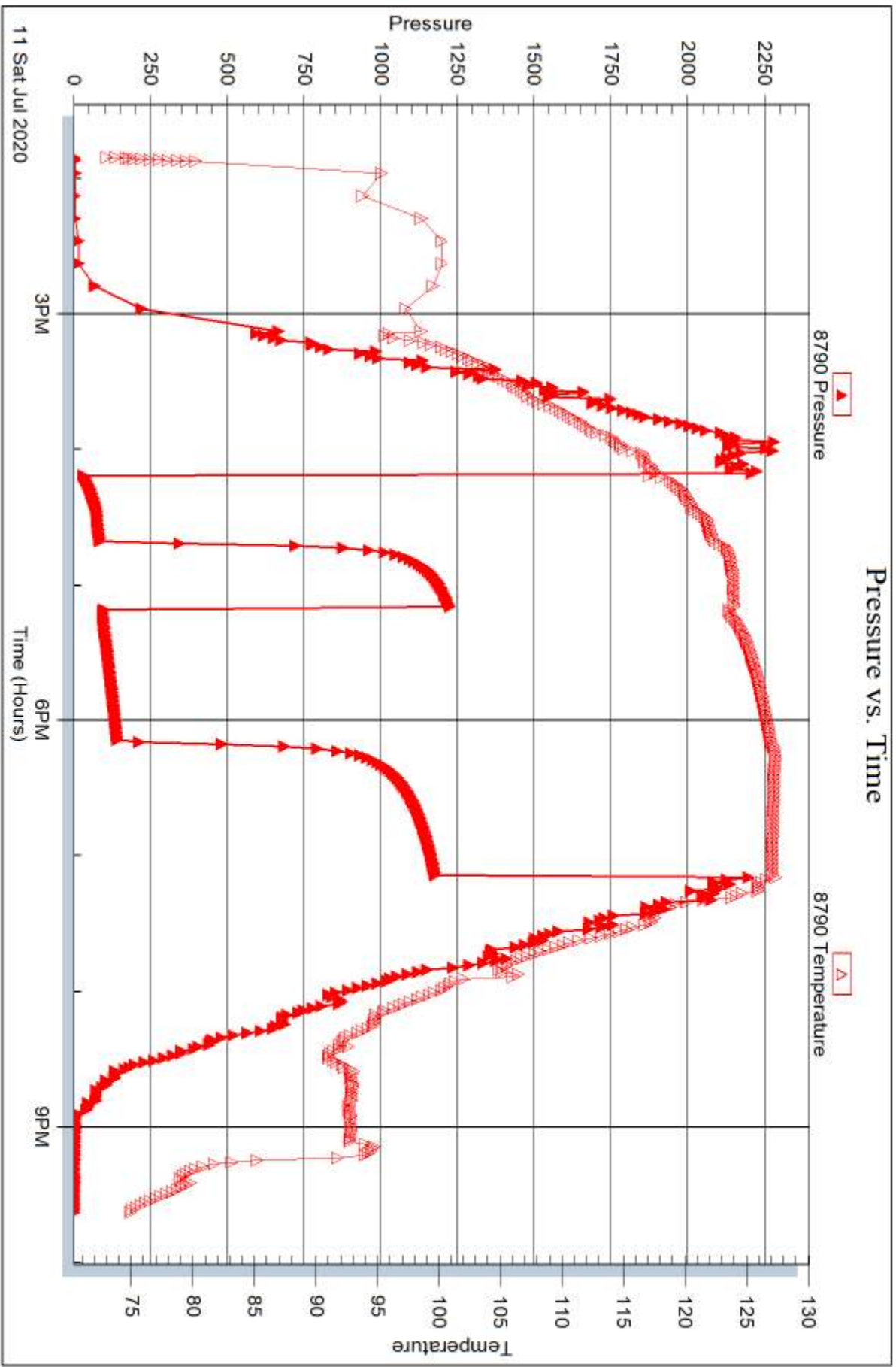
Serial #: 8790

Inside

Joe Gerstner Oil LLC

Bryan #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66636

NO.

Well Name & No. Bryon #1 Test No. 1 Date 7-9-20
 Company Joe Gerstner oil LLC Elevation 2402 KB 2397 GL
 Address P.O. Box 509 Ness city, KS 67560
 Co. Rep / Geo. Andrew Stenzel Rig WW102
 Location: Sec. 11 Twp 19S Rge. 25W Co. Ness State KS

Interval Tested 4146 4257 Zone Tested Marmaton
 Anchor Length 111 Drill Pipe Run 4021 Mud Wt. 9.1
 Top Packer Depth 4141 Drill Collars Run 121 Vis 59
 Bottom Packer Depth 4146 Wt. Pipe Run — WL 5.8
 Total Depth 4257 Chlorides 3700 ppm System LCM 2
 Blow Description IF: 1" blow built to 4.
IS: NO return.
FF: 1/4 blow built to 3.
FS: NO return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|----------|------------|------|
| <u>126</u> | <u>mud</u> | | | <u>100</u> | |
| <u>63</u> | <u>wcm</u> | | <u>5</u> | <u>95</u> | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 189 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2210</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>22:45</u> |
| (B) First Initial Flow <u>30</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>1:20</u> |
| (C) First Final Flow <u>98</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>3:21</u> |
| (D) Initial Shut-In <u>1041</u> | <input checked="" type="checkbox"/> Circ Sub <u>NIE</u> | T-Pulled <u>5:21</u> |
| (E) Second Initial Flow <u>108</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>7:30</u> |
| (F) Second Final Flow <u>124</u> | <input checked="" type="checkbox"/> Mileage <u>104</u> 104 | Comments |
| (G) Final Shut-In <u>994</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2093</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility | Total <u>1729</u> |
| | Sub Total <u>1729</u> | MP/DST Disc't |

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66637

NO.

Well Name & No. Bryon #1 Test No. 2 Date 7-10-20
 Company Joe Gerstner oil Elevation 2402 KB 2397 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW 102
 Location: Sec. 11 Twp 19S Rge. 25W Co. NESS State KS

Interval Tested 4295 4350 Zone Tested Ft Scott
 Anchor Length 55 Drill Pipe Run 4176 Mud Wt. 9.0
 Top Packer Depth 4290 Drill Collars Run 121 Vis 59
 Bottom Packer Depth 4295 Wt. Pipe Run _____ WL 6.8
 Total Depth 4350 Chlorides 4000 ppm System LCM 2

Blow Description ±F! 1/2 blow built to 1 1/4.
IS! No return.
EF! No blow.
FS! No return.

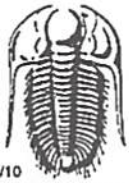
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|------|------|------------|------|
| <u>15</u> | <u>mud</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 15 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|---|
| (A) Initial Hydrostatic <u>2208</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>18:00</u> |
| (B) First Initial Flow <u>25</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>18:51</u> |
| (C) First Final Flow <u>34</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>20:32</u> |
| (D) Initial Shut-In <u>795</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>22:32</u> |
| (E) Second Initial Flow <u>39</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>00:34</u> |
| (F) Second Final Flow <u>50</u> | <input checked="" type="checkbox"/> Mileage <u>104</u> - 104 | Comments _____ |
| (G) Final Shut-In <u>746</u> | <input type="checkbox"/> Sampler _____ | |
| (H) Final Hydrostatic <u>2178</u> | <input type="checkbox"/> Straddle _____ | <input checked="" type="checkbox"/> EM Tool <u>350</u> <u>18:45</u> |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder _____ | <input type="checkbox"/> Extra Copies _____ |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Day Standby _____ | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility _____ | Total <u>1729</u> |
| | Sub Total <u>1729</u> | MP/DST Disc't _____ |

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66638

NO.

Well Name & No. Bryan #1 Test No. 3 Date 7-11-20
 Company Joz Gerstner oil Elevation 2402 KB 2397 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW 102
 Location: Sec. 11 Twp 19S Rge. 25W Co. NeSS State KS

Interval Tested 4425 4445 Zone Tested MISS
 Anchor Length 20 Drill Pipe Run 4304 Mud Wt. 9.2
 Top Packer Depth 4420 Drill Collars Run 121 Vis 55
 Bottom Packer Depth 4425 Wt. Pipe Run _____ WL 7.2
 Total Depth 4445 Chlorides 4000 ppm System LCM 1
 Blow Description IF: 1/2 blow built to 9 1/2.
IS: No return.

FF: BoB in 32 min. 15"
FS: surface blow built to 1/2,

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|----------------|-----------|-----------|-----------|-----------|
| <u>123</u> | <u>90</u> | <u>10</u> | <u>90</u> | | |
| <u>63</u> | <u>gcm</u> | | <u>30</u> | | <u>70</u> |
| <u>121</u> | <u>wcm</u> | | | <u>50</u> | <u>50</u> |
| | <u>189 GIP</u> | | | | |

Rec Total 307 BHT 127 Gravity 38 API RW .43 @ 76° F Chlorides 14,000 ppm

| | | |
|-------------------------------------|--|-------------------------------|
| (A) Initial Hydrostatic <u>2223</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>13:00</u> |
| (B) First Initial Flow <u>30</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>13:50</u> |
| (C) First Final Flow <u>84</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>16:10</u> |
| (D) Initial Shut-In <u>1223</u> | <input checked="" type="checkbox"/> Circ Sub <u>NIL</u> | T-Pulled <u>19:10</u> |
| (E) Second Initial Flow <u>91</u> | <input type="checkbox"/> Hourly Standby _____ | T-Out <u>21:40</u> |
| (F) Second Final Flow <u>140</u> | <input checked="" type="checkbox"/> Mileage <u>104x2</u> 208 | Comments _____ |
| (G) Final Shut-In <u>1174</u> | <input type="checkbox"/> Sampler _____ | <u>loaded tools 7/13 4:00</u> |
| (H) Final Hydrostatic <u>2197</u> | <input type="checkbox"/> Straddle _____ | |

| | | |
|---------------------------|---|---|
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer _____ | <input checked="" type="checkbox"/> EM Tool <u>350</u> <u>13:25</u> |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| Final Flow <u>60</u> | <input type="checkbox"/> Extra Recorder _____ | <input type="checkbox"/> Ruined Packer _____ |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby _____ | <input type="checkbox"/> Extra Copies _____ |
| | <input type="checkbox"/> Accessibility _____ | Sub Total <u>0</u> |
| | Sub Total <u>1833</u> | Total <u>1833</u> |

Approved By _____ Our Representative [Signature]

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