

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](mailto: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>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)</i> <i>(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  | Shakespeare Oil Co., Inc. |
| Well Name | OTTLEY 2-8                |
| Doc ID    | 1669156                   |

Tops

| Name          | Top  | Datum |
|---------------|------|-------|
| Anhydrite     | 2315 | +527  |
| Heebner       | 3792 | -950  |
| Lansing       | 3833 | -991  |
| Muncie Creek  | 3992 | -1150 |
| Stark Shale   | 4077 | -1235 |
| Hushpuckney   | 4112 | -1270 |
| Pawnee        | 4288 | -1446 |
| Johnson       | 4411 | -1569 |
| Mississippian | 4497 | -1655 |

|           |                           |
|-----------|---------------------------|
| Form      | ACO1 - Well Completion    |
| Operator  | Shakespeare Oil Co., Inc. |
| Well Name | OTTLEY 2-8                |
| Doc ID    | 1669156                   |

Perforations

| Shots Per Foot | Perforation Top | Perforation Bottom | BridgePlugType | BridgePlugSet At | Material Record  |
|----------------|-----------------|--------------------|----------------|------------------|--|
| 6              | 4492            | 4496               |                |                  | 500 gal 7.5% MCA, 1000 gal 10% MCA, Frac w/ 11,000# sand |
| 6              | 4483            | 4488               |                |                  | 500 gal 7.5% MCA, 1000 gal 10% MCA, Frac w/ 11,000# sand |
| 4              | 4331            | 4336               |                |                  | 250 gal 15% MCA  |
| 4              | 4086            | 4092               |                |                  | 250 gal 15% MCA, squeeze w/ 50 sx Class A                |
| 4              | 4040            | 4048               |                |                  | 250 gal 15% MCA  |
| 4              | 4007            | 4013               |                |                  | 250 gal 15% MCA  |





# SWIFT



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



## Invoice

|          |           |
|----------|-----------|
| DATE     | INVOICE # |
| 8/2/2022 | 35486     |

|   |
|---|
| BILL TO   |
| Shakespeare Oil Company, Inc<br>202 West Main Street<br>Salem, IL 62881 |

RECEIVED

AUG 08 2022

- Acidizing
- Cement
- Tool Rental

| TERMS                               | Well No.                                | Lease  | County | Contractor     | Well Type | Well Category | Job Purpose  | Operator   |
|-------------------------------------|---|--------|--------|----------------|-----------|---------------|--------------|------------|
| Net 30                              | #2-8                                    | Ottley | Logan  | Wild West Well | Oil       | Development   | Perf Squeeze | Jonathan   |
| PRICE REF.                          | DESCRIPTION                             |        |        |                | QTY       | UM            | UNIT PRICE   | AMOUNT     |
| 575D                                | Mileage - 1 Way                         |        |        |                | 80        | Miles         | 7.00         | 560.00     |
| 578D-D                              | Pump Charge - Deep Squeeze (> 1500 Ft.) |        |        |                | 1         | Job           | 1,600.00     | 1,600.00   |
| 290                                 | D-Air                                   |        |        |                | 2         | Gallon(s)     | 42.00        | 84.00T     |
| 288                                 | Sand (20/40 Brady)                      |        |        |                | 2         | Sack(s)       | 22.00        | 44.00T     |
| 325                                 | Standard Cement                         |        |        |                | 50        | Sacks         | 15.00        | 750.00T    |
| 292                                 | Halad 322                               |        |        |                | 5         | Lb(s)         | 9.00         | 45.00T     |
| 581D                                | Service Charge Cement                   |        |        |                | 50        | Sacks         | 2.00         | 100.00     |
| 582D                                | Minimum Drayage Charge                  |        |        |                | 1         | Each          | 350.00       | 350.00     |
|                                     | Subtotal                                |        |        |                |           |               |              | 3,533.00   |
|                                     | Sales Tax Logan County                  |        |        |                |           |               | 8.00%        | 73.84      |
| <b>We Appreciate Your Business!</b> |   |        |        |                |           |               | <b>Total</b> | \$3,606.84 |

502-54

DW



CHARGE TO: *Shakespeare Oil*  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 35486

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. *Hays, KS*  
 2. *Ness City, KS*  
 3.  
 4.

WELL/PROJECT NO. *2-8*  
 TICKET TYPE  SERVICE  SALES  
 CONTRACTOR *Wild West Well Service*  
 WELL TYPE *Oil*  
 WELL CATEGORY *Development*  
 JOB PURPOSE *Art Spurge*

LEASE *Ottley*  
 COUNTY/PARISH *Logan*  
 RIG NAME/NO.  
 STATE *KS*  
 SHIPPED VIA *CT*  
 CITY DELIVERED TO *Location*  
 DATE *12/22/22*  
 ORDER NO.  
 OWNER *Sank*  
 WELL LOCATION

INVOICE INSTRUCTIONS

| PRICE REFERENCE   | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      | DESCRIPTION               | QTY. U/M |       | QTY. U/M  |          | UNIT PRICE | AMOUNT  |
|---|-------------------------------------|------------|------|---------------------------|----------|-------|-----------|----------|------------|---------|
|   |                                     | LOC        | ACCT |                           | DF       | AGREE | UNDECIDED | DISAGREE |            |         |
| 575   | 1                                   |            |      | MILEAGE #113              | 80       | mi    |           |          | 7.00       | 560.00  |
| 578   | 1                                   |            |      | Pump Charge - Deep Spurge | 1        | EA    |           |          | 1600.00    | 1600.00 |
| 290   | 1                                   |            |      | D-Air                     | 2        | gal   |           |          | 42.00      | 84.00   |
| 288   | 1                                   |            |      | Sand                      | 2        | SKS   |           |          | 22.00      | 44.00   |
| 325   | 2                                   |            |      | Standard Cement           | 50       | SKS   |           |          | 15.00      | 750.00  |
| 292   | 2                                   |            |      | Healed 322                | 5        | lbs   |           |          | 9.00       | 45.00   |
| 581   | 2                                   |            |      | Service Charge Cement     | 50       | SKS   |           |          | 2.00       | 100.00  |
| 582   | 2                                   |            |      | Minimum Drayage Charge    | 1        | EA    |           |          | 350.00     | 350.00  |
| REMIT PAYMENT TO:<br><b>SWIFT SERVICES, INC.</b><br>P.O. BOX 466<br>NESS CITY, KS 67560<br>785-798-2300 |                                     |            |      |                           |          |       |           |          |            |         |

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 *[Signature]*

DATE SIGNED TIME SIGNED  A.M.  P.M.

SURVEY  
 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 SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 3,533.00

Wagon 13 84

TOTAL 3606 84

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 08/02/22 PAGE NO. 1

CUSTOMER Shakespeare Oil WELL NO. 2-8 LEASE Otley JOB TYPE Perf Squeeze TICKET NO. 35486

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS  |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
|           |      |            |                    | T     | C | TUBING         | CASING |   |
|           | 0905 |            |                    |       |   |                |        | On location, set up truck<br>2 3/8" x 4 1/2" - 11.6 #<br>Perfs - 4086-92'<br>RBP - 4125<br>Packer - 4106 Test<br>- 3978 Squeeze |
|           | 0930 |            | 12                 |       |   | 1500           |        | Test Tools - Held   |
|           | 0945 |            | 12                 |       |   |                |        | Spot Sand<br>Pull up to squeeze   |
|           | 1015 |            | 12                 |       |   | 500            |        | Load + Pressure Back side   |
|           | 1030 | 1 1/2      | 3                  |       |   | 650            |        | Take Inj Rate   |
|           |      | 1 1/2      |                    |       |   | 650            |        | Start Cement, 50 sks std w/holded<br>in 1st 25 sks  |
|           |      | 1 1/2      | 10.5               |       |   | Vac            |        | Finish Cement   |
|           | 1045 | 1 1/2      |                    |       |   |                |        | Start Displacement  |
|           |      | 1 1/2      | 8 3/4              |       |   | 250            |        | Catch Press.  |
|           |      | 1 1/2      | 11                 |       |   | 750            |        |   |
|           |      | 1          | 13                 |       |   | 1000           |        |   |
|           |      | 1/2        | 15                 |       |   | 1200           |        |   |
|           | 1055 | 1/3        | 16 1/2             |       |   | 1100           |        | Shut Down   |
|           | 1105 |            |                    |       |   | 600/1000       |        | Bump Pressure   |
|           | 1125 |            |                    |       |   | 1000           |        | Holding, Release, Dry   |
|           | 1130 |            |                    |       |   |                |        | Hook up to wash through   |
|           |      | 1 1/2      | 15                 |       |   | 350            |        | Wash through  |
|           |      | 2 1/2      | 28                 |       |   | 250            |        | Wash sand off Plug<br>Pull 5 JTs  |
|           | 1200 |            |                    |       |   | 500            | 500    | Pressure up + Shut in<br>Wash up truck<br>Rack up   |
|           | 1300 |            |                    |       |   |                |        | Job Complete<br>Thanks<br>Jon, Joe, Dusty   |





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



# Invoice

|           |           |
|-----------|-----------|
| DATE      | INVOICE # |
| 7/12/2022 | 34620     |

|   |
|---|
| BILL TO   |
| Shakespeare Oil Company, Inc<br>202 West Main Street<br>Salem, IL 62881 |

**RECEIVED**  
JUL 18 2022

- Acidizing
- Cement
- Tool Rental

| TERMS      | Well No.  | Lease  | County | Contractor | Well Type | Well Category | Job Purpose | Operator  |
|------------|---|--------|--------|------------|-----------|---------------|-------------|-----------|
| Net 30     | #2-8  | Ottley | Logan  | Wild West  | Oil       | Development   | Port Collar | Gideon    |
| PRICE REF. | DESCRIPTION   |        |        |            | QTY       | UM            | UNIT PRICE  | AMOUNT    |
| 575D       | Mileage - 1 Way                                       |        |        |            | 100       | Miles         | 7.00        | 700.00    |
| 576D-D     | Pump Charge - Deep Surface (> 500 Ft.) & Port Collars |        |        |            | 1         | Job           | 1,600.00    | 1,600.00  |
| 330        | Swift Multi-Density Standard (MIDCON II)              |        |        |            | 230       | Sacks         | 19.50       | 4,485.00T |
| 276        | Flocele   |        |        |            | 75        | Lb(s)         | 3.00        | 225.00T   |
| 290        | D-Air   |        |        |            | 3         | Gallon(s)     | 42.00       | 126.00T   |
| 583D       | Drayage   |        |        |            | 1,618     | Ton Miles     | 1.00        | 1,618.00  |
| 581D       | Service Charge Cement                                 |        |        |            | 325       | Sacks         | 2.00        | 650.00    |
|            | Subtotal  |        |        |            |           |               |             | 9,404.00  |
|            | Sales Tax Logan County                                |        |        |            |           |               | 8.00%       | 386.88    |

*502-5 Jy*

**We Appreciate Your Business!**

**Total**

\$9,790.88

*DW*



TICKET 34620

CHARGE TO: Shakespeare Oil + Gas  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City, KS WELL PROJECT NO. #2-8 LEASE Ottley COUNTY/PARISH Logan STATE KS CITY \_\_\_\_\_ DATE 7-12-2020 OWNER \_\_\_\_\_  
 2. Wild West CONTRACTOR Wild West RIG NAME/NO. \_\_\_\_\_ SHIPPED VIA CT DELIVERED TO LOCATION ORDER NO. \_\_\_\_\_  
 3. Oil WELL TYPE Development WELL CATEGORY Port Collar JOB PURPOSE Port Collar WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION 3/4 Oakley, KS  
 4. Oil INVOICE INSTRUCTIONS \_\_\_\_\_

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      | DESCRIPTION | QTY. | U/M | QTY.   | U/M | UNIT PRICE | AMOI     |
|-----------------|-------------------------------------|------------|------|-------------|------|-----|--------|-----|------------|----------|
|                 |                                     | LOC        | ACCT |             |      |     |        |     |            |          |
| 575             |                                     | 1          |      |             |      |     | 100    | mi  | 7.00       | 700.00   |
| 576D            |                                     | 1          |      |             |      |     | 1      | job | 1,600.00   | 1,600.00 |
| 330             |                                     | 1          |      |             |      |     | 230    | sks | 19.50      | 4,485.00 |
| 276             |                                     | 1          |      |             |      |     | 75     | lbs | 3.00       | 225.00   |
| 290             |                                     | 1          |      |             |      |     | 3      | gal | 42.00      | 126.00   |
| 583             |                                     | 1          |      |             |      |     | 32,350 | lbs | 1.00       | 1618.00  |
| 581             |                                     | 1          |      |             |      |     | 326    | sks | 2.00       | 652.00   |
| <del>585</del>  |                                     |            |      |             |      |     |        |     |            |          |

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

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

SURVEY:  DISAGREE  UNDECIDED  AGREE  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO  
 WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO  
 ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND

DATE SIGNED 7-12-2020 TIME SIGNED 4:30  A.M.  P.M.  
 SWIFT OPERATOR Gabeen Fuchs APPROVAL \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES. The customer hereby acknowledges receipt of the materials and services listed on this ticket.

REFERRAL LOCATION \_\_\_\_\_  
 REFERENCE \_\_\_\_\_  
 TOTAL 9404.00  
 SIGNATURE Rogin 386 88  
 TOTAL 9990 88  
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-12-2022 PAGE NO. 1

| CUSTOMER              |      | WELL NO.   |                    | LEASE  |   | JOB TYPE       |         | TICKET NO.                             |  |
|-----------------------|------|------------|--------------------|--------|---|----------------|---------|--|--|
| Shakespeare Oil + Gas |      | 2-8        |                    | Ottley |   | Port Collar    |         | 34620                                  |  |
| CHART NO.             | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS  |   | PRESSURE (PSI) |         | DESCRIPTION OF OPERATION AND MATERIALS |  |
|                       |      |            |                    | T      | C | TUBING         | CASING  |  |  |
|                       | 1400 |            |                    |        |   |                |         |  | ON LOCATION 2 3/8" x 4 1/2"                            |
|                       |      |            |                    |        |   |                |         |  | PC: 2,278'   |
|                       | 1410 | ∅          | -                  |        | ✓ |                | 1,000   |  | P Test BS to 1,000 PSI<br>*Hold* - Release             |
|                       | 1415 |            |                    |        |   |                |         |  | Open PC  |
|                       | 1420 | 3 1/2      | 4                  |        | ✓ |                | 450     |  | INJECTION RATE   |
|                       | 1425 | 3 1/2      | 127                |        | ✓ |                | Avg 350 |  | Mix 230 sks of SMD 1/4" Flo @ 11.2ppg                  |
|                       |      |            |                    |        |   |                |         |  | *Circulate CMT to Surface*                             |
|                       | 1500 | 3          | 8                  |        | ✓ |                | 550     |  | Displace Cement  |
|                       | 1506 |            |                    |        |   |                |         |  | Close PC   |
|                       |      | ∅          | -                  |        | ✓ |                | 1,000   |  | P Test on tb to 1,000 PSI *Hold                        |
|                       | 1510 |            |                    |        |   |                |         |  | Run 5 JTs  |
|                       | 1515 | 3          | 25                 |        | ✓ |                | 350     |  | Reverse Clean  |
|                       | 1520 |            |                    |        |   |                |         |  | Wash up Trk # 115                                      |
|                       | 1600 |            |                    |        |   |                |         |  | Job Complete   |
|                       |      |            |                    |        |   |                |         |  | 230 sks of SMD 1/4" Flo used<br>*Approx 15 to the Pit* |
|                       |      |            |                    |        |   |                |         |  | Thanks!  |
|                       |      |            |                    |        |   |                |         |  | Isaac, MARK, ISAAC                                     |



# SWIFT



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



## Invoice

|          |           |
|----------|-----------|
| DATE     | INVOICE # |
| 7/3/2022 | 35446     |

|   |
|---|
| BILL TO   |
| Shakespeare Oil Company, Inc<br>202 West Main Street<br>Salem, IL 62881 |

RECEIVED

JUL 11 2022

- Acidizing
- Cement
- Tool Rental

| TERMS                               | Well No.                                | Lease  | County | Contractor       | Well Type | Well Category | Job Purpose  | Operator    |
|-------------------------------------|---|--------|--------|------------------|-----------|---------------|--------------|-------------|
| Net 30                              | #2-8                                    | Ottley | Logan  | Southwind Rig #8 | Oil       | Development   | Longstring   | Jonathan    |
| PRICE REF.                          | DESCRIPTION                             |        |        |                  | QTY       | UM            | UNIT PRICE   | AMOUNT      |
| 575D                                | Mileage - 1 Way                         |        |        |                  | 100       | Miles         | 7.00         | 700.00      |
| 578D-D                              | Pump Charge - Deep Squeeze (> 1500 Ft.) |        |        |                  | 1         | Job           | 1,600.00     | 1,600.00    |
| 290                                 | D-Air                                   |        |        |                  | 3         | Gallon(s)     | 42.00        | 126.00T     |
| 281                                 | Mud Flush                               |        |        |                  | 500       | Gallon(s)     | 2.00         | 1,000.00T   |
| 221                                 | Liquid KCL (Clayfix)                    |        |        |                  | 2         | Gallon(s)     | 25.00        | 50.00T      |
| 419-4                               | 4 1/2" Rotating Head Rental             |        |        |                  | 1         | Each          | 250.00       | 250.00T     |
| 325                                 | Standard Cement                         |        |        |                  | 225       | Sacks         | 15.00        | 3,375.00T   |
| 284                                 | Calseal                                 |        |        |                  | 21        | Sack(s)       | 50.00        | 1,050.00T   |
| 283                                 | Salt                                    |        |        |                  | 1,200     | Lb(s)         | 0.25         | 300.00T     |
| 292                                 | Halad 322                               |        |        |                  | 100       | Lb(s)         | 9.00         | 900.00T     |
| 276                                 | Flocele                                 |        |        |                  | 50        | Lb(s)         | 3.00         | 150.00T     |
| 277                                 | Gilsonite (Coal Seal)                   |        |        |                  | 750       | Lb(s)         | 1.25         | 937.50T     |
| 581D                                | Service Charge Cement                   |        |        |                  | 225       | Sacks         | 2.00         | 450.00      |
| 583D                                | Drayage                                 |        |        |                  | 1,215     | Ton Miles     | 1.00         | 1,215.00    |
|                                     | Subtotal                                |        |        |                  |           |               |              | 12,103.50   |
|                                     | Sales Tax Logan County                  |        |        |                  |           |               | 8.00%        | 651.08      |
| <b>We Appreciate Your Business!</b> |   |        |        |                  |           |               | <b>Total</b> | \$12,754.58 |

502-54

DW







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

TICKET CONTINUATION

TICKET No. 35446

| PRICE REFERENCE  | SECONDARY REFERENCE/PART NUMBER | ACCOUNTING |      | TIME | DESCRIPTION     | QTY.  | UM  | CITY | UM | UNIT PRICE | AMOUNT   |
|--|---------------------------------|------------|------|------|-----------------|-------|-----|------|----|------------|----------|
|  |                                 | LOC        | ACCT |      |                 |       |     |      |    |            |          |
| 325  |                                 | 2          |      |      | Standard Cement | 225   | SKS |      |    | 15.00      | 3375.00  |
| 284  |                                 | 2          |      |      | Calseal         | 21    | SKS |      |    | 50.00      | 1050.00  |
| 283  |                                 | 2          |      |      | Salt            | 1200  | lbs |      |    | 0.25       | 300.00   |
| 292  |                                 | 2          |      |      | Halad 322       | 100   | lbs |      |    | 9.00       | 900.00   |
| 276  |                                 | 2          |      |      | Flocele         | 50    | lbs |      |    | 3.00       | 150.00   |
| 277  |                                 | 2          |      |      | Gilsonite       | 750   | lbs |      |    | 1.25       | 937.50   |
| 581  |                                 | 2          |      |      | Cement          | 22.5  | SKS |      |    | 20.00      | 450.00   |
| 583  |                                 | 2          |      |      |                 | 12.15 | TAN |      |    | 10.00      | 1215.00  |
| SERVICE CHARGE<br>MILEAGE CHARGE TOTAL WEIGHT 24300<br>LOADED MILES 100<br>TON MILES 12.15 TAN |                                 |            |      |      |                 |       |     |      |    |            | 8,377.50 |

CONTINUATION TOTAL 8,377.50

JOB LOG

SWIFT Services, Inc.

DATE 07/03/22 PAGE NO. 1  
 TICKET NO. 35446

| CUSTOMER        |                         | WELL NO.   |                    | LEASE  |   | JOB TYPE       |        | DESCRIPTION OF OPERATION AND MATERIALS |   |
|-----------------|-------------------------|------------|--------------------|--------|---|----------------|--------|--|---|
| Shakespeare Oil |                         | 2-8        |                    | Ditley |   | Long String    |        |  |   |
| CHART NO.       | TIME                    | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS  |   | PRESSURE (PSI) |        |  |   |
|                 |                         |            |                    | T      | C | TUBING         | CASING |  |   |
|                 | 1830                    |            |                    |        |   |                |        |  | On location, Rig just Picked up 1 <sup>st</sup> JT.   |
|                 |                         |            |                    |        |   |                |        |  | Total Pipe - 4553' of 4 1/2" x 11.6 #<br>Shoe JT - 42.10' BPD 4510.9'<br>P.C. - 2230'                 |
|                 | <del>2100</del><br>2200 |            |                    |        |   |                |        |  | Break Circulation on Bottom<br>Hook up to Swift<br>Plug Rathole w/ 30 SKS<br>Plug Mousehole w/ 15 SKS |
|                 |                         | 2          | 7                  |        |   |                |        |  |   |
|                 |                         | 2          | 4                  |        |   |                |        |  |   |
|                 |                         | 5          | 12                 |        |   |                | 400    |  | Pump Mud Push   |
|                 |                         | 5          | 20                 |        |   |                | 400    |  | Pump KCL spacer   |
|                 | 2215                    | 5          |                    |        |   |                | 400    |  | Start Cement  |
|                 |                         | 5          | 44                 |        |   |                | Vac    |  | Finish Cement Shut Down   |
|                 |                         |            |                    |        |   |                |        |  | Drop Plug, Washout Pump Lines   |
|                 | 2235                    | 8          |                    |        |   |                |        |  | Start Displacement  |
|                 |                         | 7          | 46                 |        |   |                | 400    |  | Catch Cement  |
|                 |                         | 6 1/2      | 67                 |        |   |                | 800    |  | Lift PSI  |
|                 | 2245                    | 6 1/2      | 70                 |        |   |                | 1500   |  | Land PSI  |
|                 | 2250                    |            |                    |        |   |                |        |  | Release Truck, Dry<br>Wash up<br>Rack up  |
|                 | 1105                    |            |                    |        |   |                |        |  | Job Complete  |

Thanks  
 Tom, Joe, Isaac



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

### **Ottley #2-8**

### **8-14s-32w Logan, KS**

Start Date: 2022.06.25 @ 12:11:00

End Date: 2022.06.25 @ 20:23:53

Job Ticket #: 69104                      DST #: 1

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

Printed: 2022.07.05 @ 16:07:47



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69104

**DST#: 1**

ATTN: Vern Schrag

Test Start: 2022.06.25 @ 12:11:00

## GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:35:00

Time Test Ended: 20:23:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 3861.00 ft (KB) To 3880.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 93.16 psig @ 3862.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.25 End Date: 2022.06.25

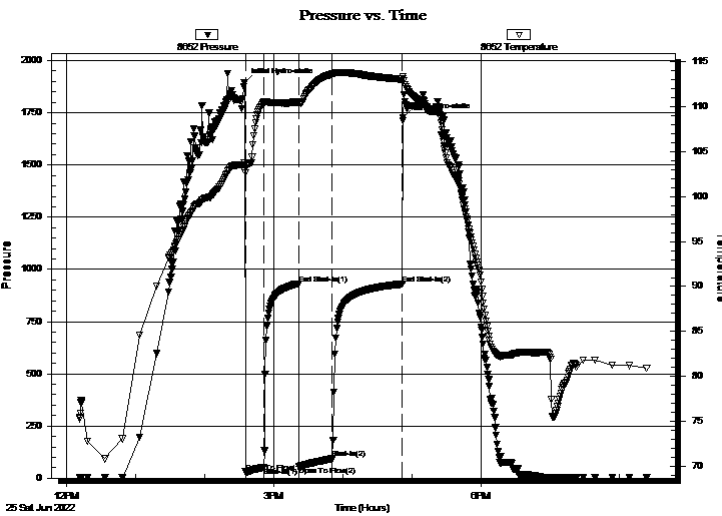
Last Calib.: 2022.06.25

Start Time: 12:11:05 End Time: 20:23:52

Time On Btm: 2022.06.25 @ 14:34:45

Time Off Btm: 2022.06.25 @ 16:52:00

**TEST COMMENT:** IF-15- Built to 9"  
SI1-30- 1/4" return  
FF-30- Built to 11 1/4"  
SI2-60- 1/4" return died in 39 min



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1894.44         | 103.80       | Initial Hydro-static |
| 1           | 29.49           | 102.62       | Open To Flow (1)     |
| 16          | 51.77           | 110.39       | Shut-In(1)           |
| 47          | 931.30          | 110.50       | End Shut-In(1)       |
| 48          | 56.65           | 110.32       | Open To Flow (2)     |
| 76          | 93.16           | 113.60       | Shut-In(2)           |
| 137         | 929.92          | 113.04       | End Shut-In(2)       |
| 138         | 1726.50         | 113.38       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                    | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 40.00       | MCO 5% mud 95% oil             | 0.56         |
| 63.00       | OWCM 10% oil 20% water 70% mud | 0.88         |
| 54.00       | SOMCW 2%oil 78% w ater 20% mud | 0.76         |
| 10.00       | mud 100%                       | 0.14         |
|             |                                |              |
|             |                                |              |

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69104

**DST#: 1**

ATTN: Vern Schrag

Test Start: 2022.06.25 @ 12:11:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3845.00 ft | Diameter: 3.80 inches | Volume: 53.94 bbl              | Tool Weight: 2900.00 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: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 64000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.94 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 15.00 ft           |                       |                                | String Weight: Initial 53000.00 lb |
| Depth to Top Packer:      | 3861.00 ft         |                       |                                | Final 54000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 19.00 ft           |                       |                                |                                    |
| Tool Length:              | 50.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |
| Tool Comments:            |                    |                       |                                |                                    |

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3831.00    |                               |
| shut In Tool     | 5.00        |            |          | 3836.00    |                               |
| hydraulic tool   | 5.00        |            |          | 3841.00    |                               |
| Jars             | 5.00        |            |          | 3846.00    |                               |
| EM Tool          | 3.00        |            |          | 3849.00    |                               |
| Safety Joint     | 3.00        |            |          | 3852.00    |                               |
| Packer           | 5.00        |            |          | 3857.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3861.00    |                               |
| Stubb            | 1.00        |            |          | 3862.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 3862.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 3862.00    |                               |
| perforations     | 15.00       |            |          | 3877.00    |                               |
| Bullnose         | 3.00        |            |          | 3880.00    | 19.00 Bottom Packers & Anchor |

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69104

**DST#: 1**

ATTN: Vern Schrag

Test Start: 2022.06.25 @ 12:11:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                     | Volume<br>bbbl |
|--------------|---------------------------------|----------------|
| 40.00        | MCO 5% mud 95% oil              | 0.561          |
| 63.00        | OWCM 10% oil 20% w ater 70% mud | 0.884          |
| 54.00        | SOMCW 2%oil 78% w ater 20% mud  | 0.757          |
| 10.00        | mud 100%                        | 0.140          |

Total Length: 167.00 ft

Total Volume: 2.342 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

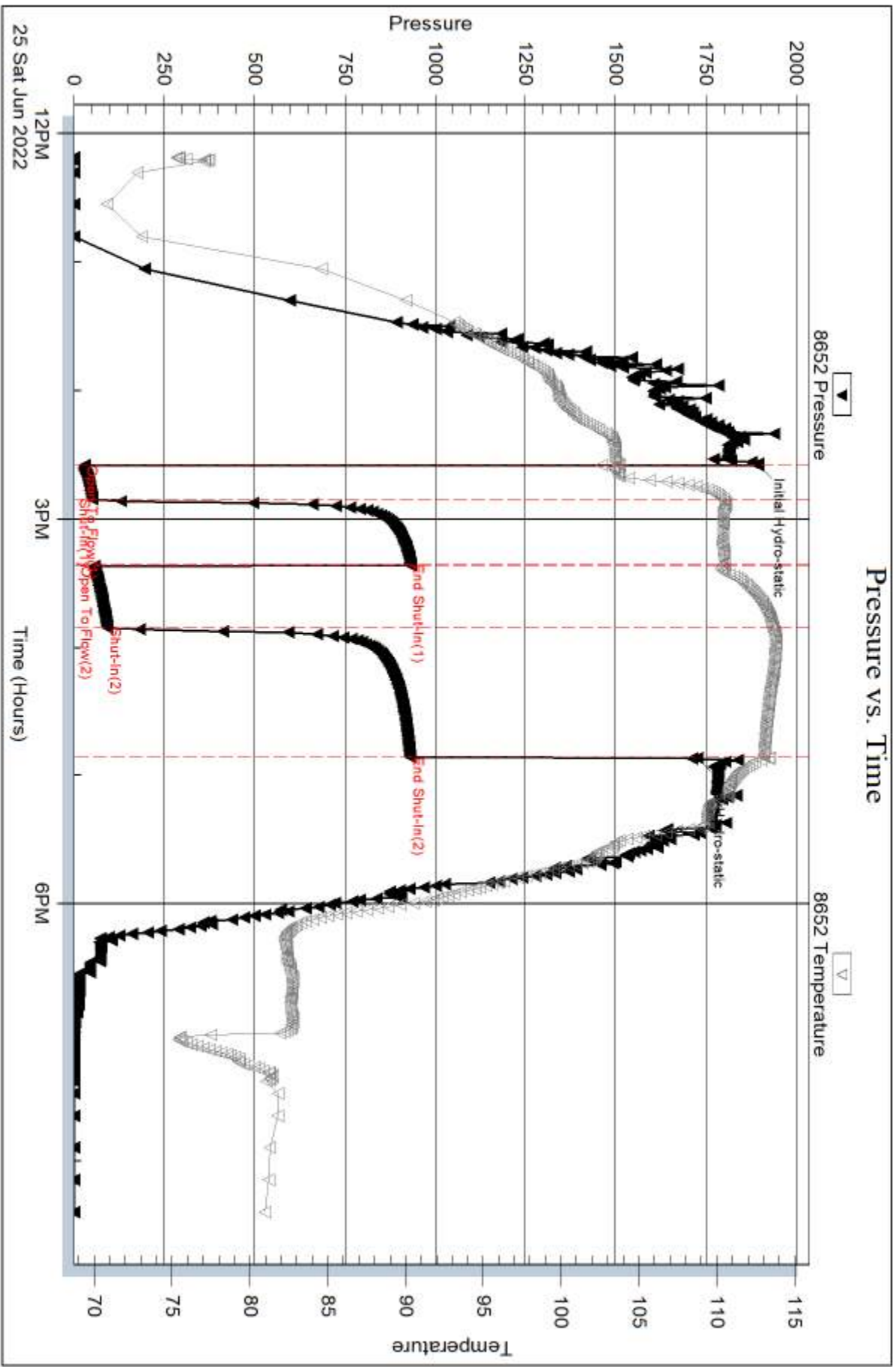
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM





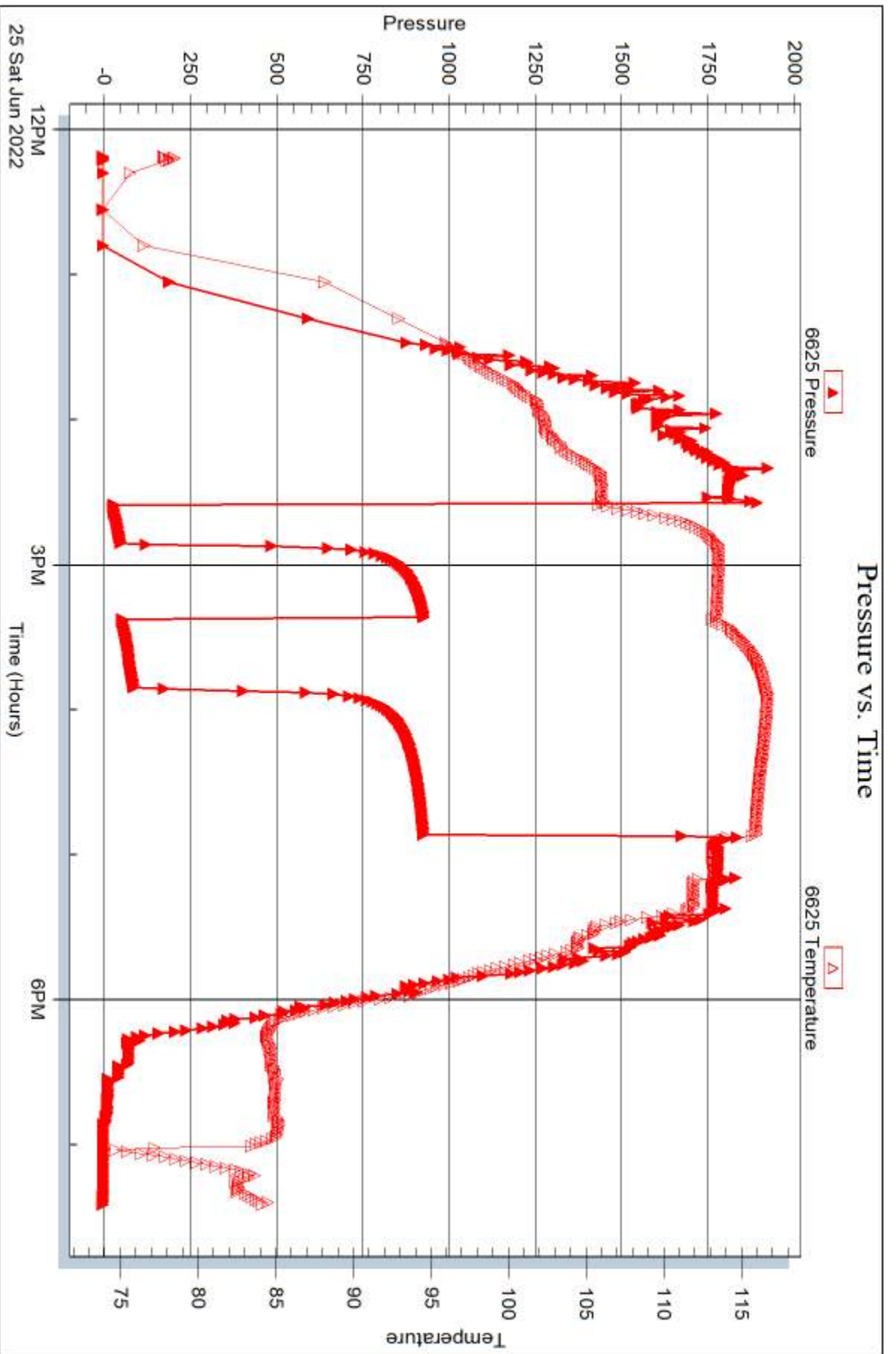
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69104

Printed: 2022.07.05 @ 16:07:49



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

**Ottley #2-8**

**8-14s-32w Logan, KS**

Start Date: 2022.06.26 @ 12:13:00

End Date: 2022.06.26 @ 18:24:30

Job Ticket #: 69105                      DST #: 2

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

Printed: 2022.07.05 @ 16:06:18



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69105

**DST#: 2**

ATTN: Vern Schrag

Test Start: 2022.06.26 @ 12:13:00

## GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:10:00

Time Test Ended: 18:24:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 3913.00 ft (KB) To 3930.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 3930.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 48.38 psig @ 3914.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.26

End Date: 2022.06.26

Last Calib.: 2022.06.26

Start Time: 12:13:05

End Time: 18:24:29

Time On Btm: 2022.06.26 @ 14:09:15

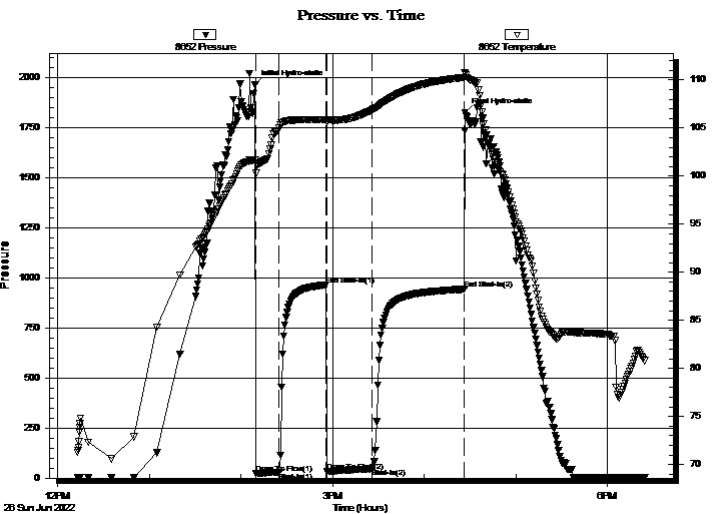
Time Off Btm: 2022.06.26 @ 16:26:45

**TEST COMMENT:** IF-15- Built to 2 3/4"

SI1-30- No return

FF-30- Built to 4"

SI2-60- No return



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1964.66         | 101.68       | Initial Hydro-static |
| 1           | 25.43           | 100.31       | Open To Flow (1)     |
| 16          | 30.45           | 105.00       | Shut-In(1)           |
| 47          | 964.08          | 105.89       | End Shut-In(1)       |
| 47          | 33.89           | 105.63       | Open To Flow (2)     |
| 77          | 48.38           | 106.91       | Shut-In(2)           |
| 137         | 943.32          | 110.27       | End Shut-In(2)       |
| 138         | 1825.28         | 110.69       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                    | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 62.00       | SOWCM 1% oil 4% w ater 95% mud | 0.87         |
| 2.00        | Oil 100%                       | 0.03         |
|             |                                |              |
|             |                                |              |
|             |                                |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69105

**DST#: 2**

ATTN: Vern Schrag

Test Start: 2022.06.26 @ 12:13:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3900.00 ft | Diameter: 3.80 inches | Volume: 54.71 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 76000.00 lb  |
|                           |                    |                       | <u>Total Volume: 54.71 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 18.00 ft           |                       |                                | String Weight: Initial 56000.00 lb |
| Depth to Top Packer:      | 3913.00 ft         |                       |                                | Final 56000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 17.00 ft           |                       |                                |                                    |
| Tool Length:              | 48.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3883.00    |                               |
| shut In Tool     | 5.00        |            |          | 3888.00    |                               |
| hydraulic tool   | 5.00        |            |          | 3893.00    |                               |
| Jars             | 5.00        |            |          | 3898.00    |                               |
| EM Tool          | 3.00        |            |          | 3901.00    |                               |
| Safety Joint     | 3.00        |            |          | 3904.00    |                               |
| Packer           | 5.00        |            |          | 3909.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3913.00    |                               |
| Stubb            | 1.00        |            |          | 3914.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 3914.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 3914.00    |                               |
| perforations     | 13.00       |            |          | 3927.00    |                               |
| Bullnose         | 3.00        |            |          | 3930.00    | 17.00 Bottom Packers & Anchor |

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69105

**DST#: 2**

ATTN: Vern Schrag

Test Start: 2022.06.26 @ 12:13:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbbl |
|--------------|-------------------------------|----------------|
| 62.00        | SOWCM 1% oil 4% water 95% mud | 0.870          |
| 2.00         | Oil 100%                      | 0.028          |

Total Length: 64.00 ft

Total Volume: 0.898 bbl

Num Fluid Samples: 0

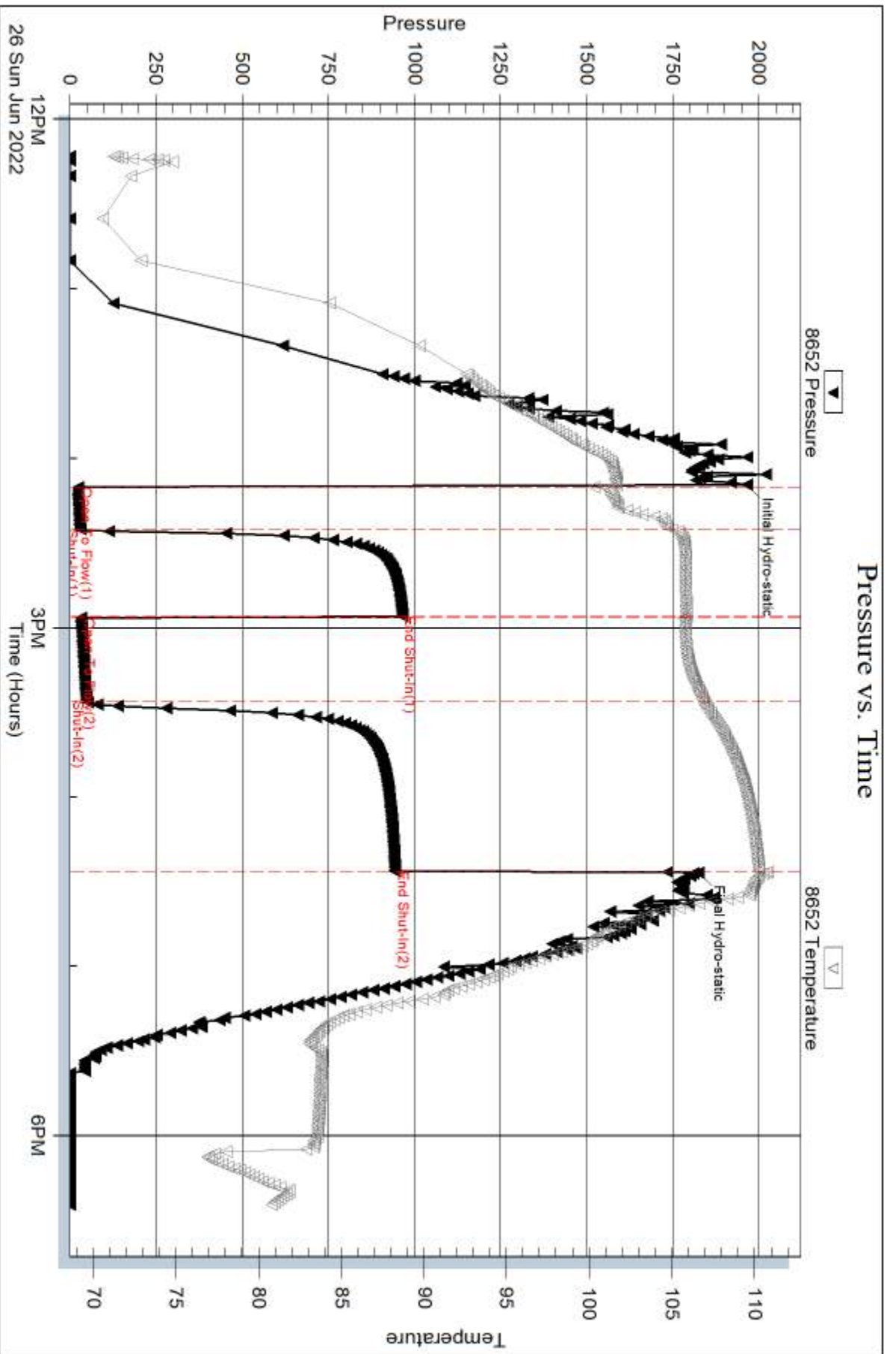
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM





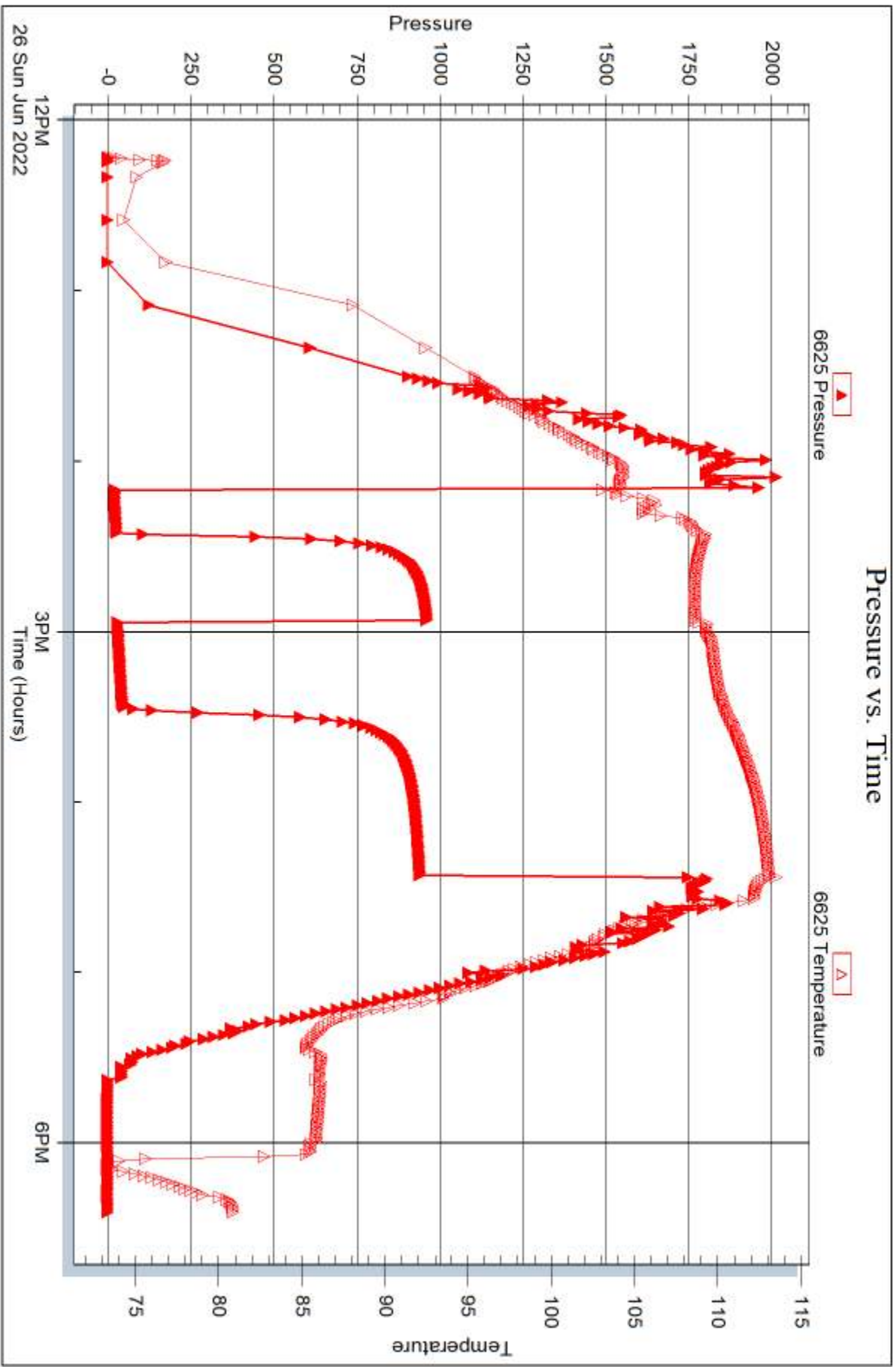
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 69105

Printed: 2022.07.05 @ 16:06:18



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

**Ottley #2-8**

**8-14s-32w Logan, KS**

Start Date: 2022.06.27 @ 06:30:00

End Date: 2022.06.27 @ 13:23:15

Job Ticket #: 69106                      DST #: 3

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

Printed: 2022.07.05 @ 16:02:35



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69106

**DST#: 3**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 06:30:00

## GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:39:00

Time Test Ended: 13:23:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 3992.00 ft (KB) To 4012.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4012.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 68.07 psig @ 3993.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.27 End Date: 2022.06.27

Last Calib.: 2022.06.27

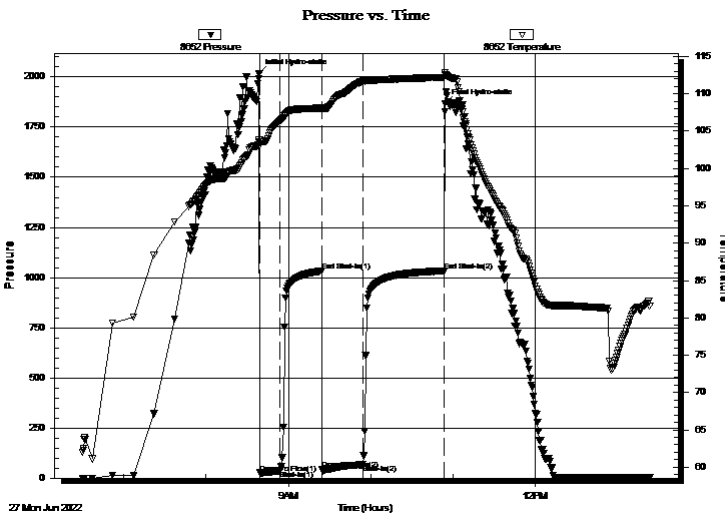
Start Time: 06:30:05 End Time: 13:23:14

Time On Btm: 2022.06.27 @ 08:38:45

Time Off Btm: 2022.06.27 @ 10:54:15

**TEST COMMENT:** IF-15- Built to 9"  
SI1-30- No return  
FF-30- BOB in 19 min, Built to 18 1/2"  
SI2-60- No return

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2018.05         | 103.82       | Initial Hydro-static |
| 1           | 25.75           | 103.07       | Open To Flow (1)     |
| 16          | 38.37           | 106.38       | Shut-In(1)           |
| 46          | 1032.02         | 108.11       | End Shut-In(1)       |
| 46          | 43.31           | 107.89       | Open To Flow (2)     |
| 76          | 68.07           | 111.68       | Shut-In(2)           |
| 135         | 1030.71         | 112.18       | End Shut-In(2)       |
| 136         | 1865.89         | 112.58       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                              | Volume (bbl) |
|-------------|--|--------------|
| 53.00       | SGOWCM 5% gas 5% oil 10% water 80% 0.74d |              |
| 63.00       | GO 95% oil 5% gas                        | 0.88         |
| 0.00        | 74' 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**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69106

**DST#: 3**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 06:30:00

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3972.00 ft | Diameter: 3.80 inches | Volume: 55.72 bbl              | Tool Weight:           | 2900.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 26000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 66000.00 lb |
|                           |                    |                       | <u>Total Volume: 55.72 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 11.00 ft           |                       |                                | String Weight: Initial | 56000.00 lb |
| Depth to Top Packer:      | 3992.00 ft         |                       |                                | Final                  | 56000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 20.00 ft           |                       |                                |                        |             |
| Tool Length:              | 51.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3962.00    |                               |
| shut In Tool     | 5.00        |            |          | 3967.00    |                               |
| hydraulic tool   | 5.00        |            |          | 3972.00    |                               |
| Jars             | 5.00        |            |          | 3977.00    |                               |
| EM Tool          | 3.00        |            |          | 3980.00    |                               |
| Safety Joint     | 3.00        |            |          | 3983.00    |                               |
| Packer           | 5.00        |            |          | 3988.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 3992.00    |                               |
| Stubb            | 1.00        |            |          | 3993.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 3993.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 3993.00    |                               |
| perforations     | 16.00       |            |          | 4009.00    |                               |
| Bullnose         | 3.00        |            |          | 4012.00    | 20.00 Bottom Packers & Anchor |

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69106

**DST#: 3**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 06:30:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                           | Volume<br>bbl |
|--------------|---------------------------------------|---------------|
| 53.00        | SGOWCM 5% gas 5% oil 10% water 80% mu | 0.743         |
| 63.00        | GO 95% oil 5% gas                     | 0.884         |
| 0.00         | 74' GIP                               | 0.000         |

Total Length: 116.00 ft

Total Volume: 1.627 bbl

Num Fluid Samples: 0

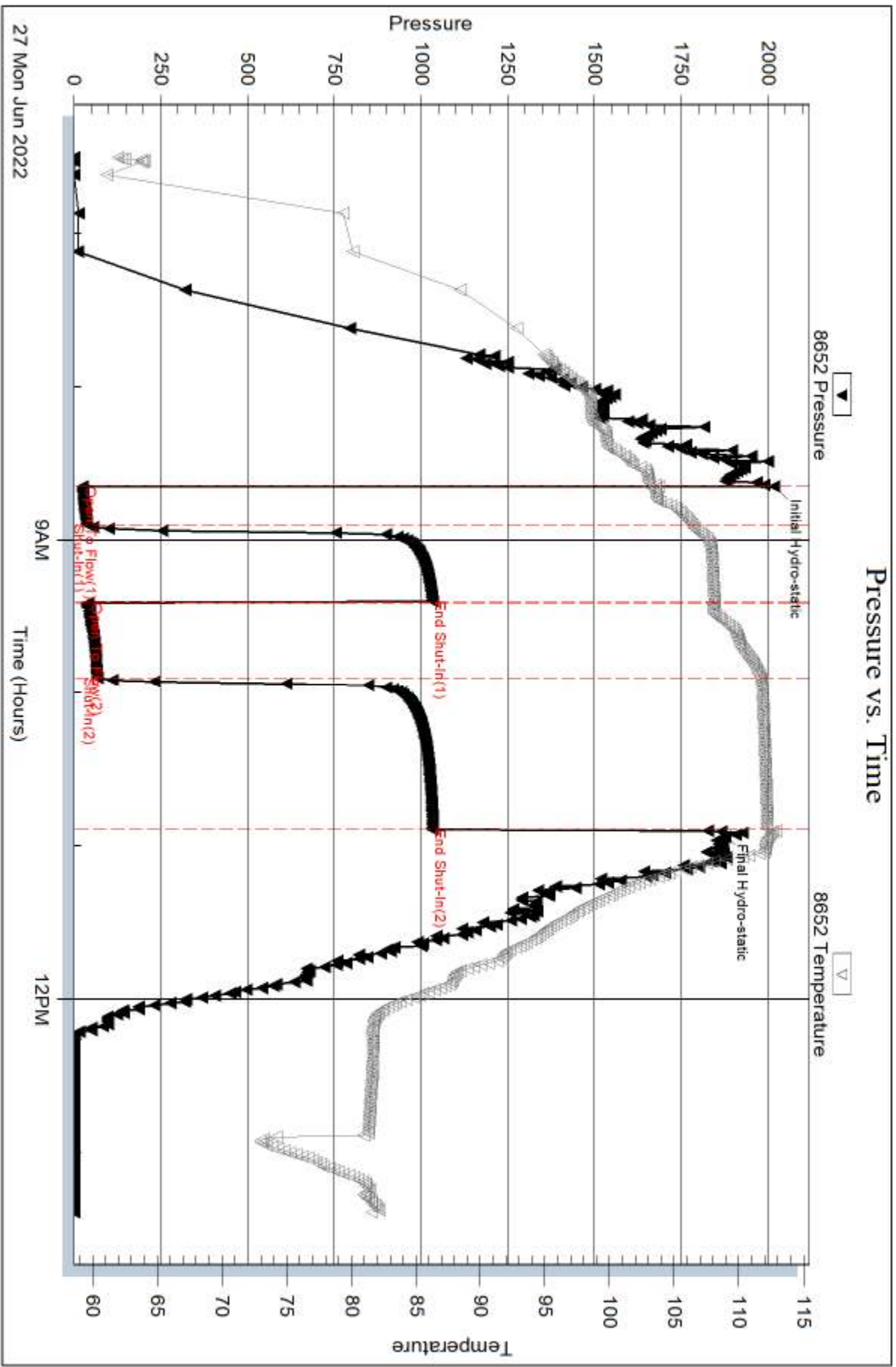
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



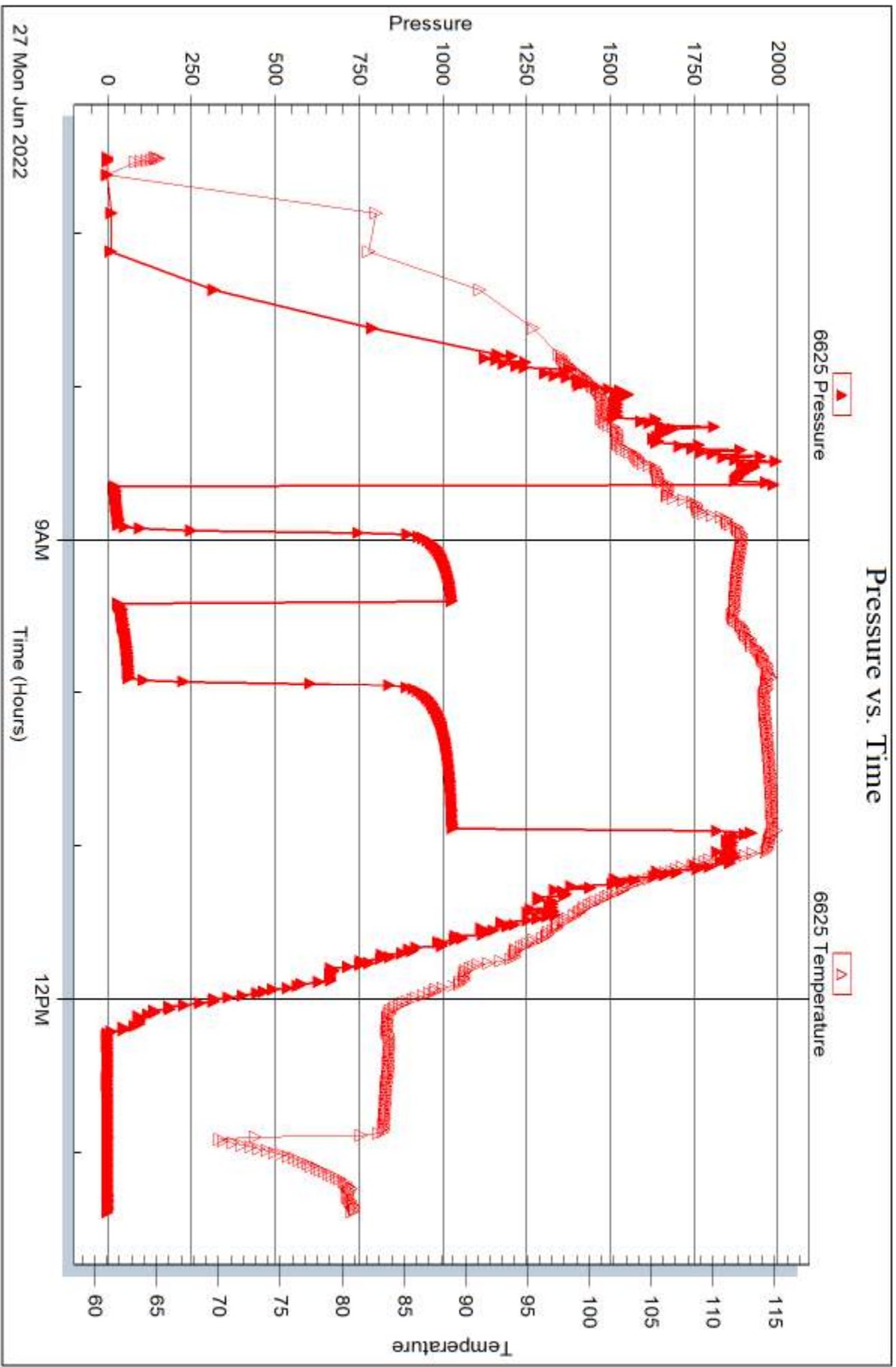
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 3







## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

**Ottley #2-8**

**8-14s-32w Logan, KS**

Start Date: 2022.06.27 @ 23:20:00

End Date: 2022.06.28 @ 07:50:15

Job Ticket #: 69107                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.07.05 @ 15:54:24



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69107

**DST#: 4**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 23:20:00

## GENERAL INFORMATION:

Formation: **LKC I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:59:30

Time Test Ended: 07:50:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4023.00 ft (KB) To 4070.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4070.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 210.22 psig @ 4024.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.27

End Date:

2022.06.28

Last Calib.:

2022.06.28

Start Time: 23:20:05

End Time:

07:50:14

Time On Btm:

2022.06.28 @ 01:59:00

Time Off Btm:

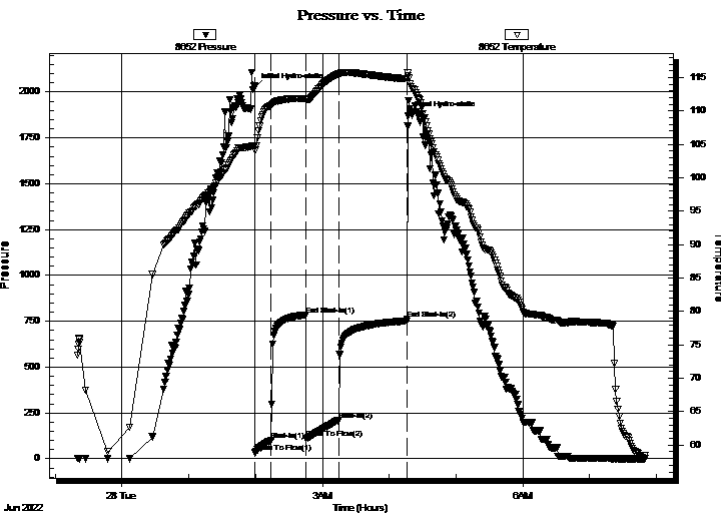
2022.06.28 @ 04:16:45

**TEST COMMENT:** IF-15- BOB in 8 min 45 sec, built to 21"

SI1-30- No return

FF-30- BOB in 11 min, built to 30"

SI2-60- 4 3/4" return



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2027.18         | 104.85       | Initial Hydro-static |
| 1           | 33.61           | 104.11       | Open To Flow (1)     |
| 15          | 102.34          | 110.81       | Shut-In(1)           |
| 46          | 785.69          | 111.85       | End Shut-In(1)       |
| 47          | 110.89          | 111.59       | Open To Flow (2)     |
| 76          | 210.22          | 115.52       | Shut-In(2)           |
| 137         | 761.41          | 114.78       | End Shut-In(2)       |
| 138         | 1869.16         | 115.25       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                     | Volume (bbl) |
|-------------|---------------------------------|--------------|
| 127.00      | MCW 80% w ater 20% mud          | 1.78         |
| 63.00       | OWCM 10% oil 20% w ater 70% mud | 0.88         |
| 171.00      | SOWCM 5% oil % w ater 90% mud   | 2.40         |
| 60.00       | GO 5% gas 95% oil               | 0.84         |
| 0.00        | 87' 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**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69107

**DST#: 4**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 23:20:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4004.00 ft | Diameter: 3.80 inches | Volume: 56.17 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 64000.00 lb  |
|                           |                    |                       | <u>Total Volume: 56.17 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 12.00 ft           |                       |                                | String Weight: Initial 56000.00 lb |
| Depth to Top Packer:      | 4023.00 ft         |                       |                                | Final 58000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 47.00 ft           |                       |                                |                                    |
| Tool Length:              | 78.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |
| Tool Comments:            |                    |                       |                                |                                    |

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

|                           |              |      |         |         |                               |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Change Over Sub           | 1.00         |      |         | 3993.00 |                               |
| shut In Tool              | 5.00         |      |         | 3998.00 |                               |
| hydraulic tool            | 5.00         |      |         | 4003.00 |                               |
| Jars                      | 5.00         |      |         | 4008.00 |                               |
| EM Tool                   | 3.00         |      |         | 4011.00 |                               |
| Safety Joint              | 3.00         |      |         | 4014.00 |                               |
| Packer                    | 5.00         |      |         | 4019.00 | 31.00 Bottom Of Top Packer    |
| Packer                    | 4.00         |      |         | 4023.00 |                               |
| Stubb                     | 1.00         |      |         | 4024.00 |                               |
| Recorder                  | 0.00         | 6625 | Inside  | 4024.00 |                               |
| Recorder                  | 0.00         | 8652 | Outside | 4024.00 |                               |
| perforations              | 8.00         |      |         | 4032.00 |                               |
| change Over Sub           | 1.00         |      |         | 4033.00 |                               |
| drill Pipe                | 32.00        |      |         | 4065.00 |                               |
| change Over Sub           | 1.00         |      |         | 4066.00 |                               |
| perforations              | 1.00         |      |         | 4067.00 |                               |
| Bullnose                  | 3.00         |      |         | 4070.00 | 47.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>78.00</b> |      |         |         |                               |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69107

**DST#: 4**

ATTN: Vern Schrag

Test Start: 2022.06.27 @ 23:20:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

72000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                     | Volume<br>bbl |
|--------------|---------------------------------|---------------|
| 127.00       | MCW 80% w ater 20% mud          | 1.781         |
| 63.00        | OWCM 10% oil 20% w ater 70% mud | 0.884         |
| 171.00       | SOWCM 5% oil % w ater 90% mud   | 2.399         |
| 60.00        | GO 5% gas 95% oil               | 0.842         |
| 0.00         | 87' GIP                         | 0.000         |

Total Length: 421.00 ft

Total Volume: 5.906 bbl

Num Fluid Samples: 0

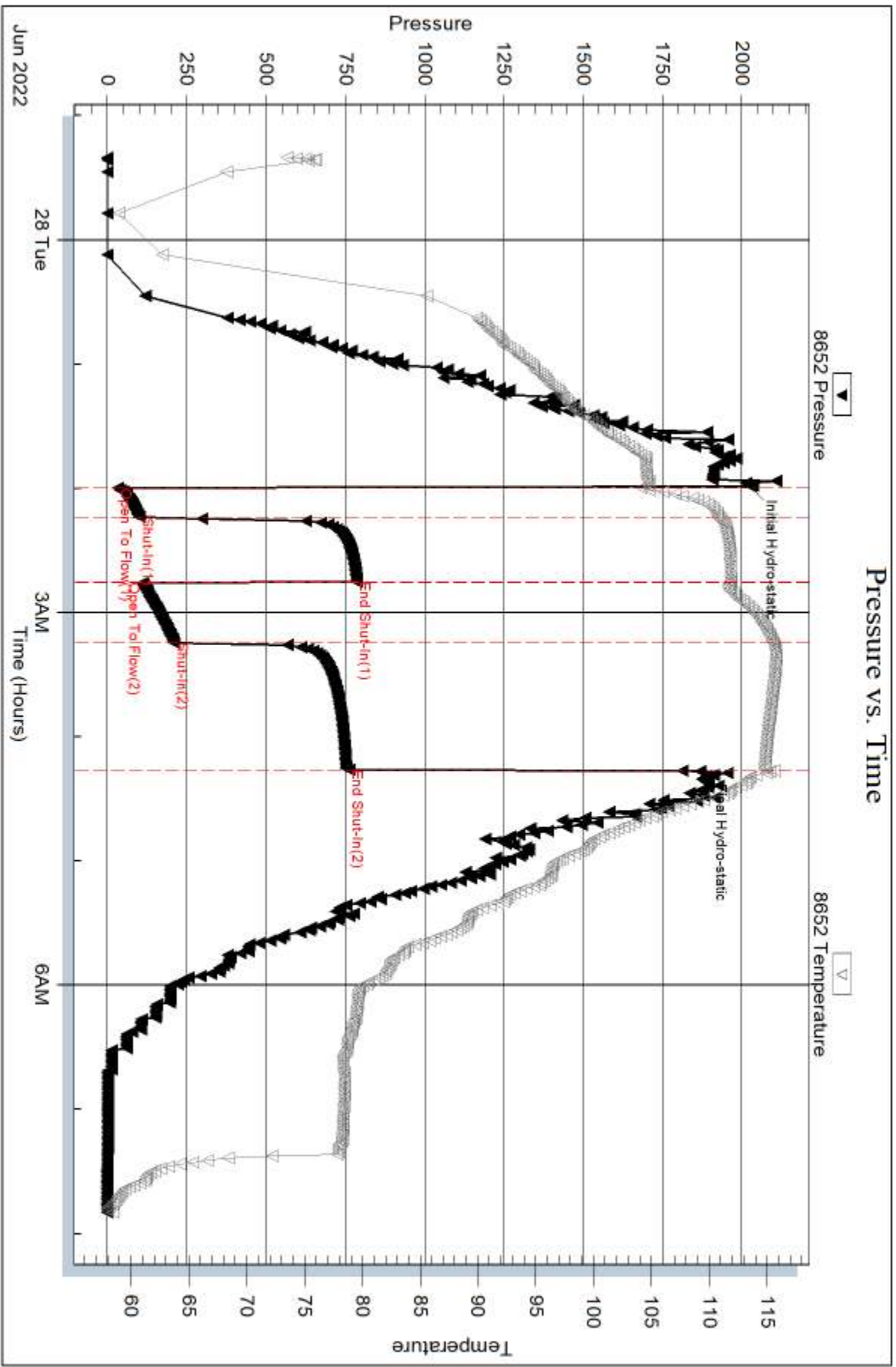
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM







## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

**Ottley #2-8**

**8-14s-32w Logan, KS**

Start Date: 2022.06.28 @ 15:29:00

End Date: 2022.06.28 @ 21:35:45

Job Ticket #: 69108                      DST #: 5

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

Printed: 2022.07.05 @ 15:50:31





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69108

**DST#: 5**

ATTN: Vern Schrag

Test Start: 2022.06.28 @ 15:29:00

## GENERAL INFORMATION:

Formation: **LKC K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:31:45

Time Test Ended: 21:35:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4076.00 ft (KB) To 4087.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4087.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 95.03 psig @ 4077.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.28 End Date: 2022.06.28

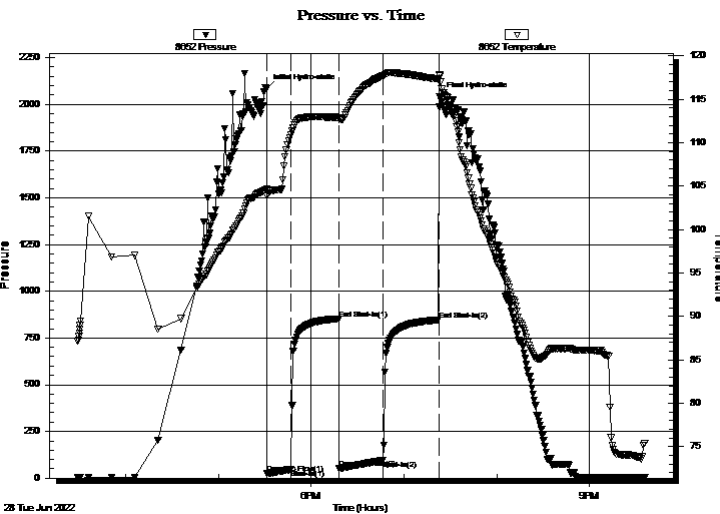
Last Calib.: 2022.06.28

Start Time: 15:29:05 End Time: 21:35:44

Time On Btm: 2022.06.28 @ 17:31:15

Time Off Btm: 2022.06.28 @ 19:23:15

**TEST COMMENT:** IF-15- Built to 6 1/2"  
SI1-30- No return  
FF-30- Built to 9 1/4"  
SI2-30- No return



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2082.57         | 104.68       | Initial Hydro-static |
| 1           | 24.72           | 103.88       | Open To Flow (1)     |
| 16          | 48.07           | 110.85       | Shut-In(1)           |
| 47          | 852.55          | 112.91       | End Shut-In(1)       |
| 47          | 51.88           | 112.70       | Open To Flow (2)     |
| 76          | 95.03           | 117.70       | Shut-In(2)           |
| 112         | 846.27          | 117.32       | End Shut-In(2)       |
| 112         | 2042.29         | 117.66       | Final Hydro-static   |

## Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 10.00       | mud 100%               | 0.14         |
| 53.00       | MW 55% w ater 45% mud  | 0.74         |
| 93.00       | WCM 15% w ater 85% mud | 1.30         |
| 10.00       | oil 100%               | 0.14         |
|             |                        |              |
|             |                        |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69108

**DST#: 5**

ATTN: Vern Schrag

Test Start: 2022.06.28 @ 15:29:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4067.00 ft | Diameter: 3.80 inches | Volume: 57.05 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 64000.00 lb  |
|                           |                    |                       | <u>Total Volume: 57.05 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 22.00 ft           |                       |                                | String Weight: Initial 58000.00 lb |
| Depth to Top Packer:      | 4076.00 ft         |                       |                                | Final 58000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 11.00 ft           |                       |                                |                                    |
| Tool Length:              | 42.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4046.00    |                               |
| shut In Tool     | 5.00        |            |          | 4051.00    |                               |
| hydraulic tool   | 5.00        |            |          | 4056.00    |                               |
| Jars             | 5.00        |            |          | 4061.00    |                               |
| EM Tool          | 3.00        |            |          | 4064.00    |                               |
| Safety Joint     | 3.00        |            |          | 4067.00    |                               |
| Packer           | 5.00        |            |          | 4072.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4076.00    |                               |
| Stubb            | 1.00        |            |          | 4077.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 4077.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 4077.00    |                               |
| perforations     | 7.00        |            |          | 4084.00    |                               |
| Bullnose         | 3.00        |            |          | 4087.00    | 11.00 Bottom Packers & Anchor |

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69108

**DST#: 5**

ATTN: Vern Schrag

Test Start: 2022.06.28 @ 15:29:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description           | Volume<br>bbbl |
|--------------|-----------------------|----------------|
| 10.00        | mud 100%              | 0.140          |
| 53.00        | MW 55% water 45% mud  | 0.743          |
| 93.00        | WCM 15% water 85% mud | 1.305          |
| 10.00        | oil 100%              | 0.140          |

Total Length: 166.00 ft

Total Volume: 2.328 bbl

Num Fluid Samples: 0

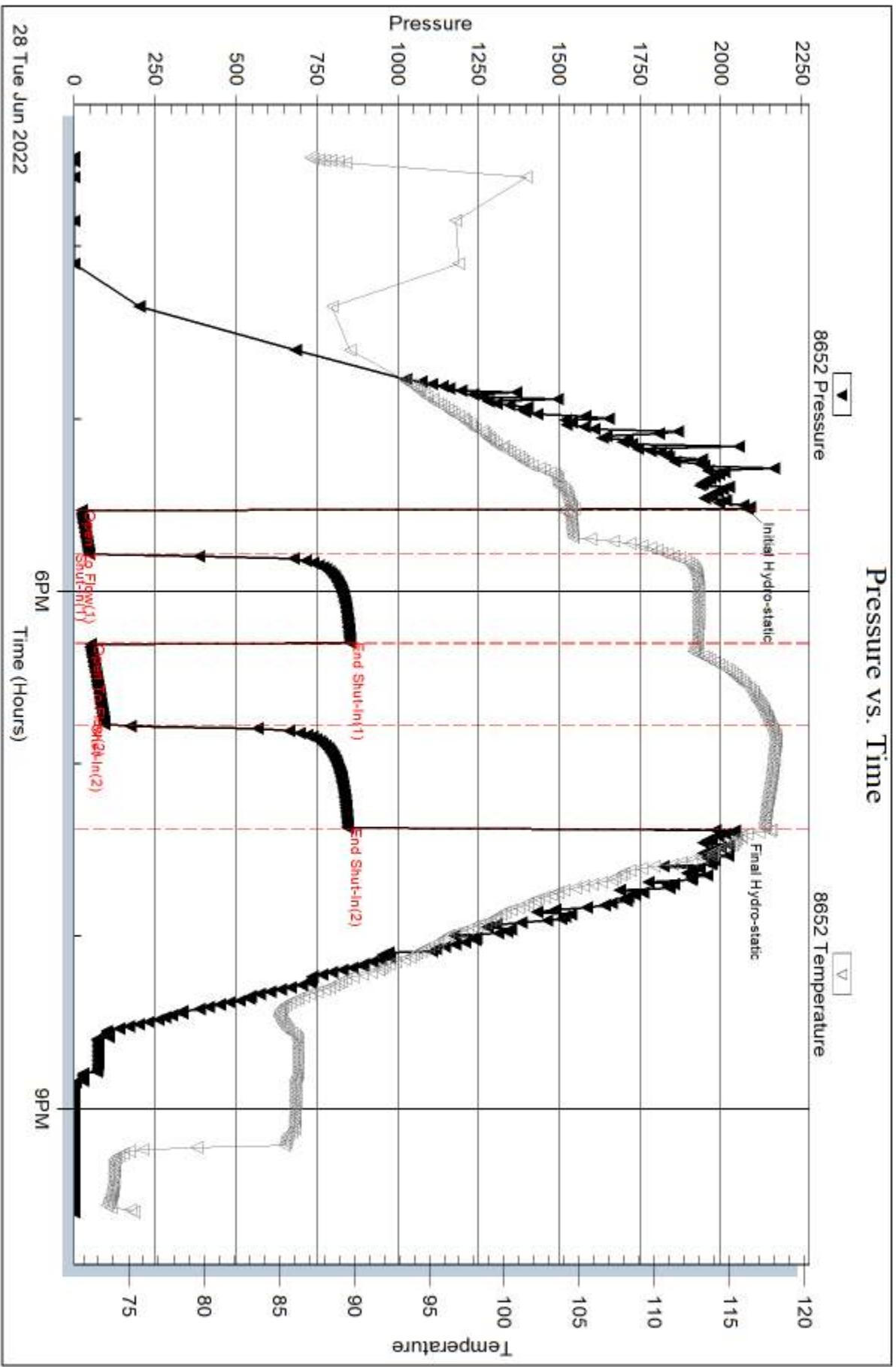
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



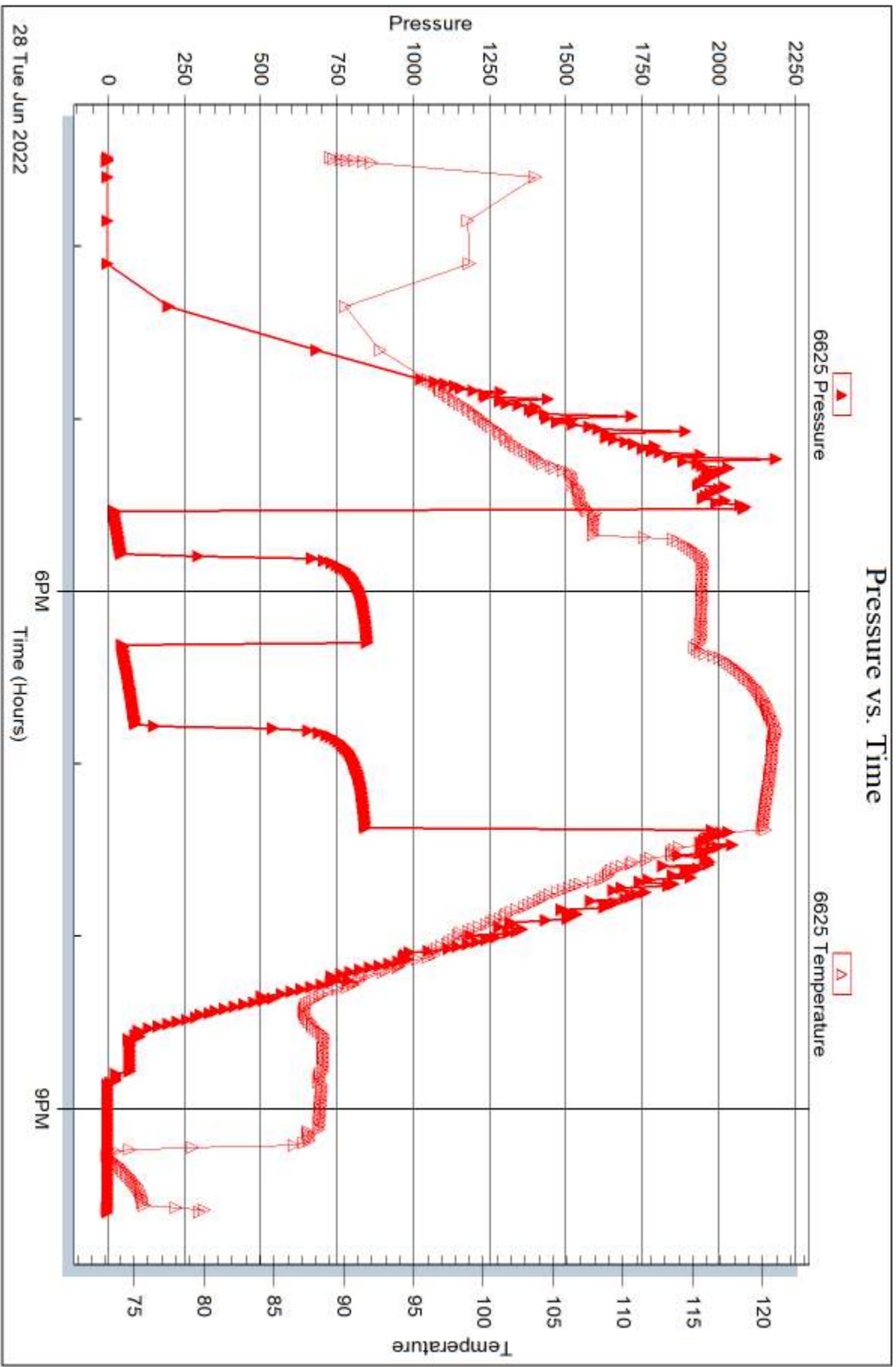
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 5



28 Tue Jun 2022

Trilobite Testing, Inc

Ref. No: 69108

Printed: 2022.07.05 @ 15:50:32



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

### **Ottley #2-8**

### **8-14s-32w Logan, KS**

Start Date: 2022.06.29 @ 09:01:00

End Date: 2022.06.29 @ 14:28:45

Job Ticket #: 69109                      DST #: 6

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

Printed: 2022.07.05 @ 15:44:47

Shakespeare Oil Co, Inc  
8-14s-32w Logan, KS  
Ottley #2-8  
DST # 6  
LKC L  
2022.06.29



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69109

**DST#: 6**

ATTN: Vern Schrag

Test Start: 2022.06.29 @ 09:01:00

## GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:45

Time Test Ended: 14:28:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4112.00 ft (KB) To 4132.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4132.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 25.41 psig @ 4113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.29 End Date: 2022.06.29

Last Calib.: 2022.06.29

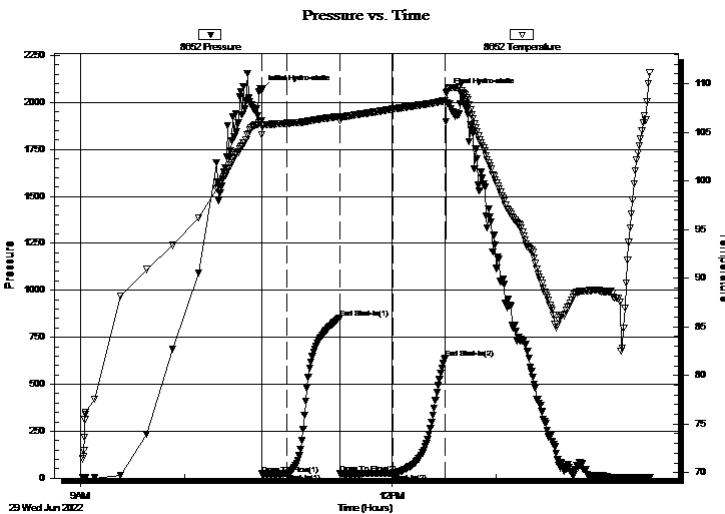
Start Time: 09:01:05 End Time: 14:28:44

Time On Btm: 2022.06.29 @ 10:44:15

Time Off Btm: 2022.06.29 @ 12:31:30

**TEST COMMENT:** IF-15- Weak surface blow  
SI1-30- No return  
FF-30- No blow  
SI2-30- No return

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2068.44         | 106.16       | Initial Hydro-static |
| 1           | 22.42           | 104.78       | Open To Flow (1)     |
| 15          | 24.08           | 105.92       | Shut-In(1)           |
| 46          | 852.09          | 106.63       | End Shut-In(1)       |
| 46          | 26.81           | 106.16       | Open To Flow (2)     |
| 77          | 25.41           | 107.37       | Shut-In(2)           |
| 107         | 638.17          | 108.25       | End Shut-In(2)       |
| 108         | 2051.55         | 109.05       | Final Hydro-static   |

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 10.00       | OCM 15% oil 85% mud | 0.14         |
| 2.00        | Oil 100%            | 0.03         |
|             |                     |              |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc  
202 W. Main St.  
Salem, IL 62881  
ATTN: Vern Schrag

**8-14s-32w Logan, KS**

**Ottley #2-8**

Job Ticket: 69109

**DST#: 6**

Test Start: 2022.06.29 @ 09:01:00

## GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:44:45

Time Test Ended: 14:28:45

**Interval: 4112.00 ft (KB) To 4132.00 ft (KB) (TVD)**

Total Depth: 4132.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Reference Elevations: 2842.00 ft (KB)

2832.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6625**

**Inside**

Press@RunDepth: psig @ 4113.00 ft (KB)

Start Date: 2022.06.29 End Date: 2022.06.29

Start Time: 09:01:05 End Time: 14:28:59

Capacity: 8000.00 psig

Last Calib.: 2022.06.29

Time On Btm:

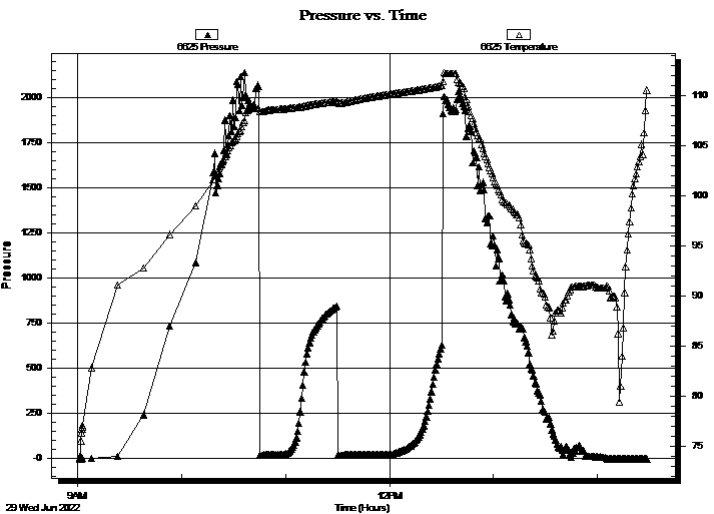
Time Off Btm:

TEST COMMENT: IF-15- Weak surface blow

SI1-30- No return

FF-30- No blow

SI2-30- No return



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 10.00       | OCM 15% oil 85% mud | 0.14         |
| 2.00        | Oil 100%            | 0.03         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69109

**DST#: 6**

ATTN: Vern Schrag

Test Start: 2022.06.29 @ 09:01:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4099.00 ft | Diameter: 3.80 inches | Volume: 57.50 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 68000.00 lb  |
|                           |                    |                       | <u>Total Volume: 57.50 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 18.00 ft           |                       |                                | String Weight: Initial 56000.00 lb |
| Depth to Top Packer:      | 4112.00 ft         |                       |                                | Final 56000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 20.00 ft           |                       |                                |                                    |
| Tool Length:              | 51.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4082.00    |                               |
| shut In Tool     | 5.00        |            |          | 4087.00    |                               |
| hydraulic tool   | 5.00        |            |          | 4092.00    |                               |
| Jars             | 5.00        |            |          | 4097.00    |                               |
| EM Tool          | 3.00        |            |          | 4100.00    |                               |
| Safety Joint     | 3.00        |            |          | 4103.00    |                               |
| Packer           | 5.00        |            |          | 4108.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4112.00    |                               |
| Stubb            | 1.00        |            |          | 4113.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 4113.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 4113.00    |                               |
| perforations     | 16.00       |            |          | 4129.00    |                               |
| Bullnose         | 3.00        |            |          | 4132.00    | 20.00 Bottom Packers & Anchor |

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69109

**DST#: 6**

ATTN: Vern Schrag

Test Start: 2022.06.29 @ 09:01:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbf |
|--------------|---------------------|---------------|
| 10.00        | OCM 15% oil 85% mud | 0.140         |
| 2.00         | Oil 100%            | 0.028         |

Total Length: 12.00 ft      Total Volume: 0.168 bbf

Num Fluid Samples: 0

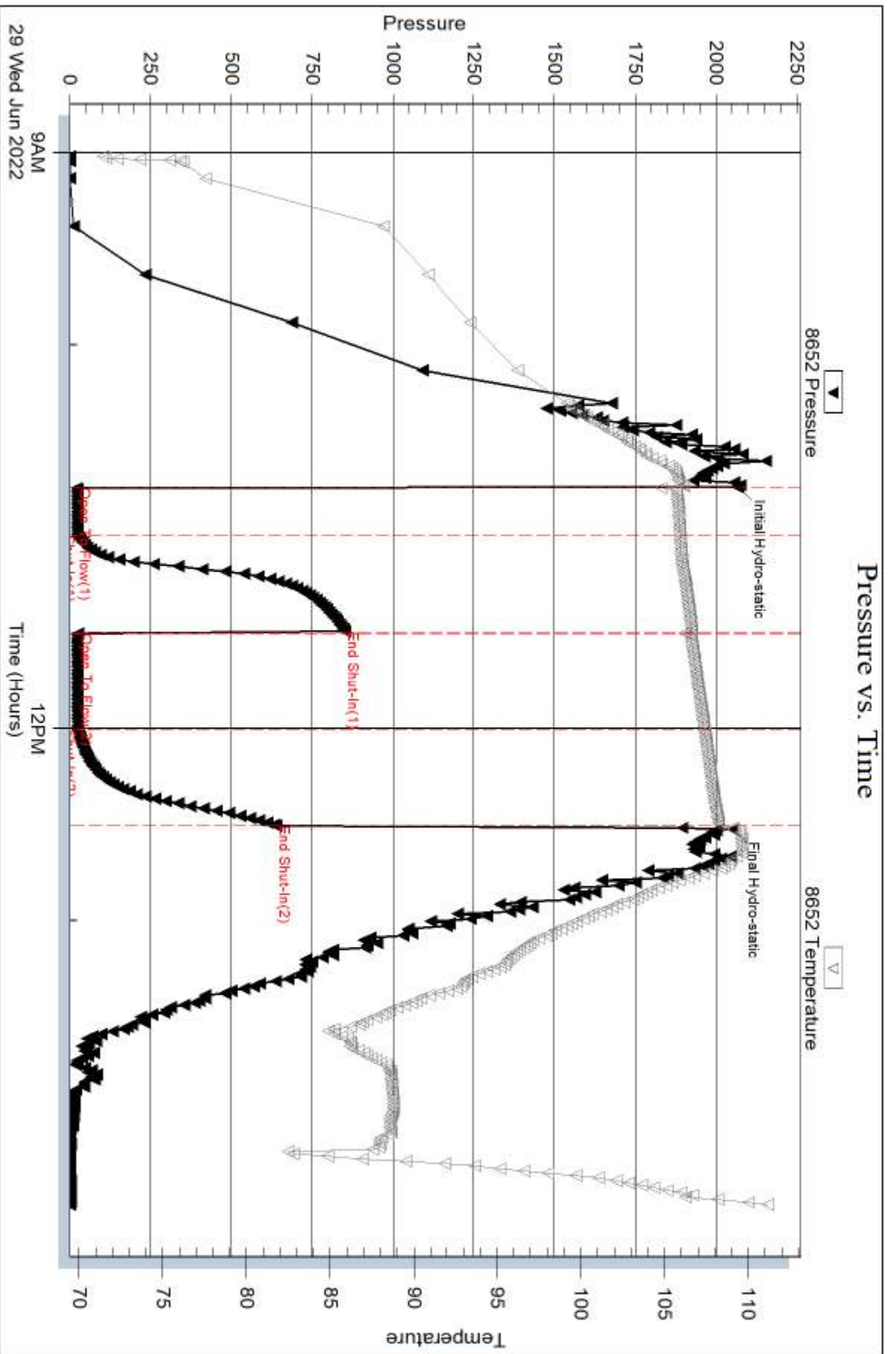
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



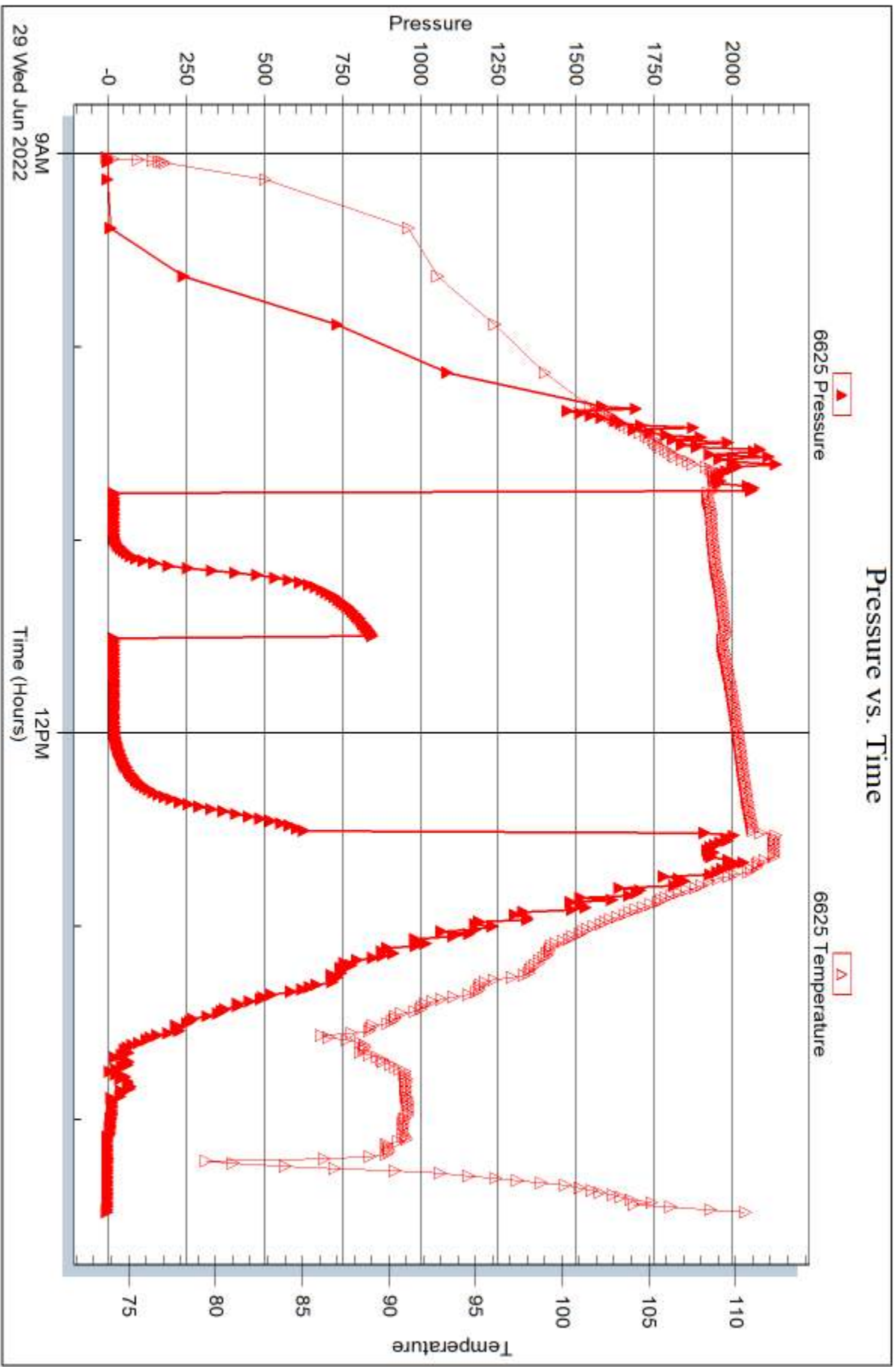
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 69109

Printed: 2022.07.05 @ 15:47:32



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

### **Ottley #2-8**

### **8-14s-32w Logan, KS**

Start Date: 2022.06.30 @ 18:38:00

End Date: 2022.07.01 @ 00:12:15

Job Ticket #: 69110                      DST #: 7

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

Printed: 2022.07.05 @ 15:39:41



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69110

**DST#: 7**

ATTN: Vern Schrag

Test Start: 2022.06.30 @ 18:38:00

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:28:00

Time Test Ended: 00:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4365.00 ft (KB) To 4435.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4435.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 29.75 psig @ 4366.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.30

End Date:

2022.07.01

Last Calib.: 1899.12.30

Start Time: 18:38:05

End Time:

00:12:14

Time On Btm: 2022.06.30 @ 20:27:45

Time Off Btm: 2022.06.30 @ 21:59:45

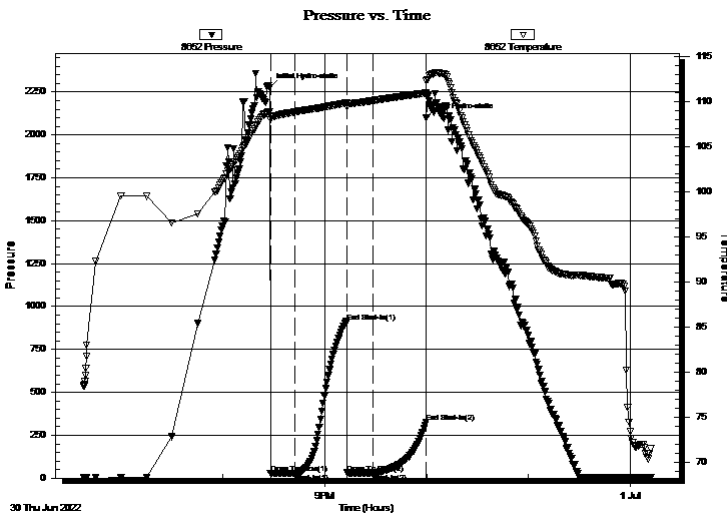
**TEST COMMENT:** IF-15- Weak surface blow , died in 8 min.

SI1-30- No return

FF-15- No blow

SI2-30- No return

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2274.26         | 108.98       | Initial Hydro-static |
| 1           | 27.42           | 108.02       | Open To Flow (1)     |
| 15          | 28.11           | 108.88       | Shut-In(1)           |
| 46          | 909.13          | 109.89       | End Shut-In(1)       |
| 46          | 29.94           | 109.49       | Open To Flow (2)     |
| 61          | 29.75           | 110.14       | Shut-In(2)           |
| 92          | 324.22          | 110.97       | End Shut-In(2)       |
| 92          | 2099.60         | 112.38       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 10.00       | OCM 5% oil 95% mud | 0.14         |
| 1.00        | Oil 100%           | 0.01         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

202 W. Main St.  
Salem, IL 62881

ATTN: Vern Schrag

**8-14s-32w Logan, KS**

**Ottley #2-8**

Job Ticket: 69110

**DST#: 7**

Test Start: 2022.06.30 @ 18:38:00

### GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:28:00

Time Test Ended: 00:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4365.00 ft (KB) To 4435.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4435.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 6625** Inside

Press@RunDepth: psig @ 4366.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.06.30 End Date: 2022.07.01

Last Calib.: 1899.12.30

Start Time: 18:38:05 End Time: 00:12:14

Time On Btm:

Time Off Btm:

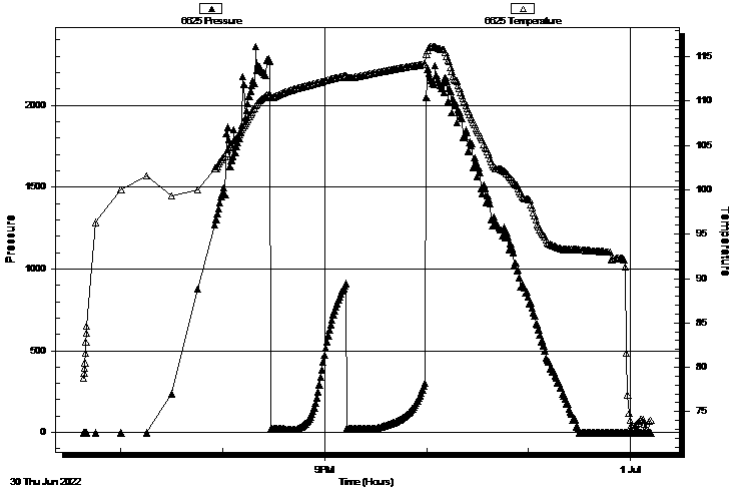
TEST COMMENT: IF-15- Weak surface blow , died in 8 min.

SI1-30- No return

FF-15- No blow

SI2-30- No return

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 10.00       | OCM 5% oil 95% mud | 0.14         |
| 1.00        | Oil 100%           | 0.01         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69110

**DST#: 7**

ATTN: Vern Schrag

Test Start: 2022.06.30 @ 18:38:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4352.00 ft | Diameter: 3.80 inches | Volume: 61.05 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 66000.00 lb  |
|                           |                    |                       | <u>Total Volume: 61.05 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 18.00 ft           |                       |                                | String Weight: Initial 58000.00 lb |
| Depth to Top Packer:      | 4365.00 ft         |                       |                                | Final 58000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 70.00 ft           |                       |                                |                                    |
| Tool Length:              | 101.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

|                           |               |      |         |         |                               |
|---------------------------|---------------|------|---------|---------|-------------------------------|
| Change Over Sub           | 1.00          |      |         | 4335.00 |                               |
| shut In Tool              | 5.00          |      |         | 4340.00 |                               |
| hydraulic tool            | 5.00          |      |         | 4345.00 |                               |
| Jars                      | 5.00          |      |         | 4350.00 |                               |
| EM Tool                   | 3.00          |      |         | 4353.00 |                               |
| Safety Joint              | 3.00          |      |         | 4356.00 |                               |
| Packer                    | 5.00          |      |         | 4361.00 | 31.00 Bottom Of Top Packer    |
| Packer                    | 4.00          |      |         | 4365.00 |                               |
| Stubb                     | 1.00          |      |         | 4366.00 |                               |
| Recorder                  | 0.00          | 6625 | Inside  | 4366.00 |                               |
| Recorder                  | 0.00          | 8652 | Outside | 4366.00 |                               |
| perforations              | 1.00          |      |         | 4367.00 |                               |
| change Over Sub           | 1.00          |      |         | 4368.00 |                               |
| drill Pipe                | 63.00         |      |         | 4431.00 |                               |
| change Over Sub           | 1.00          |      |         | 4432.00 |                               |
| Bullnose                  | 3.00          |      |         | 4435.00 | 70.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>101.00</b> |      |         |         |                               |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69110

**DST#: 7**

ATTN: Vern Schrag

Test Start: 2022.06.30 @ 18:38:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbbl |
|--------------|--------------------|----------------|
| 10.00        | OCM 5% oil 95% mud | 0.140          |
| 1.00         | Oil 100%           | 0.014          |

Total Length: 11.00 ft

Total Volume: 0.154 bbl

Num Fluid Samples: 0

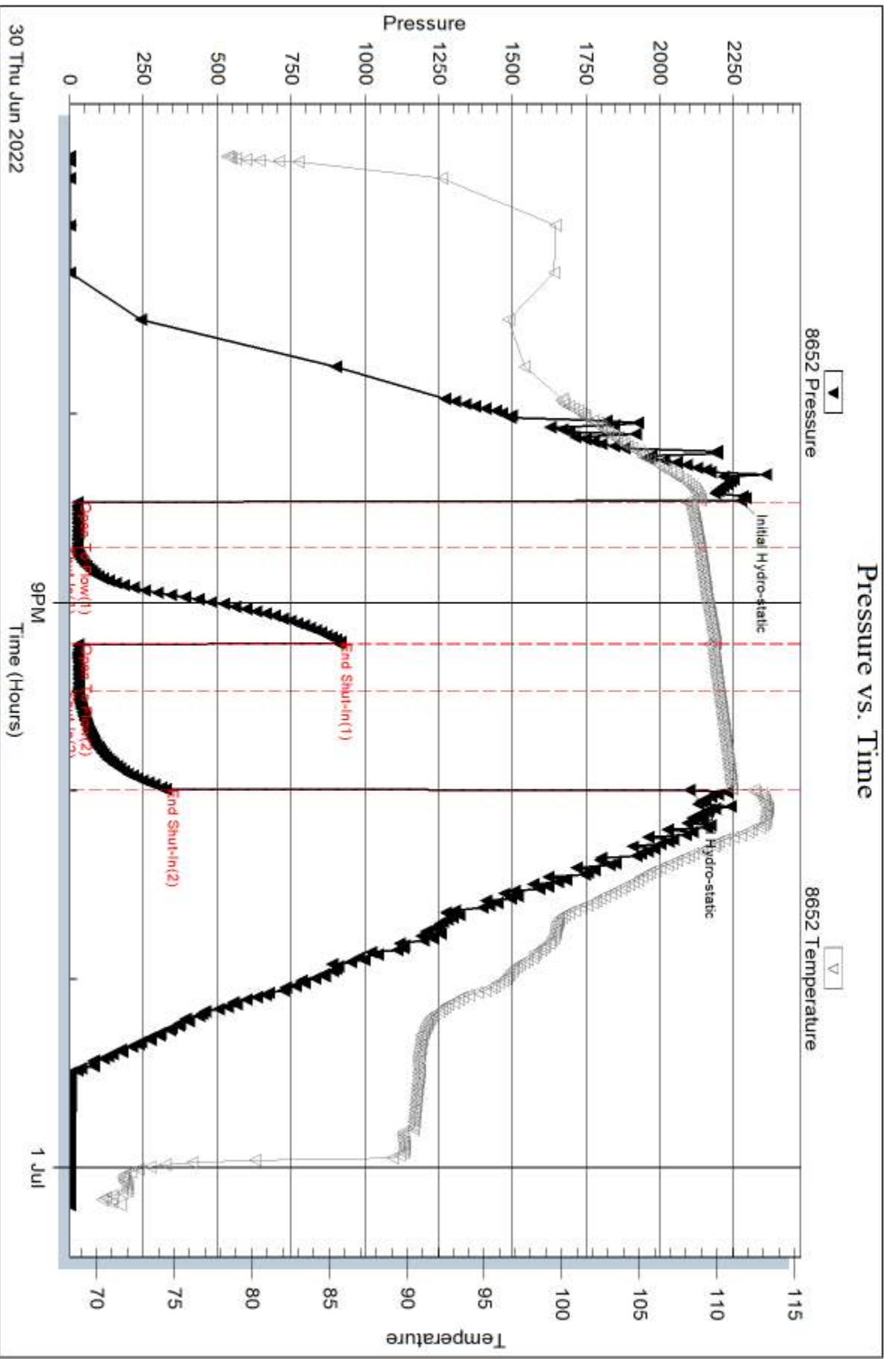
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



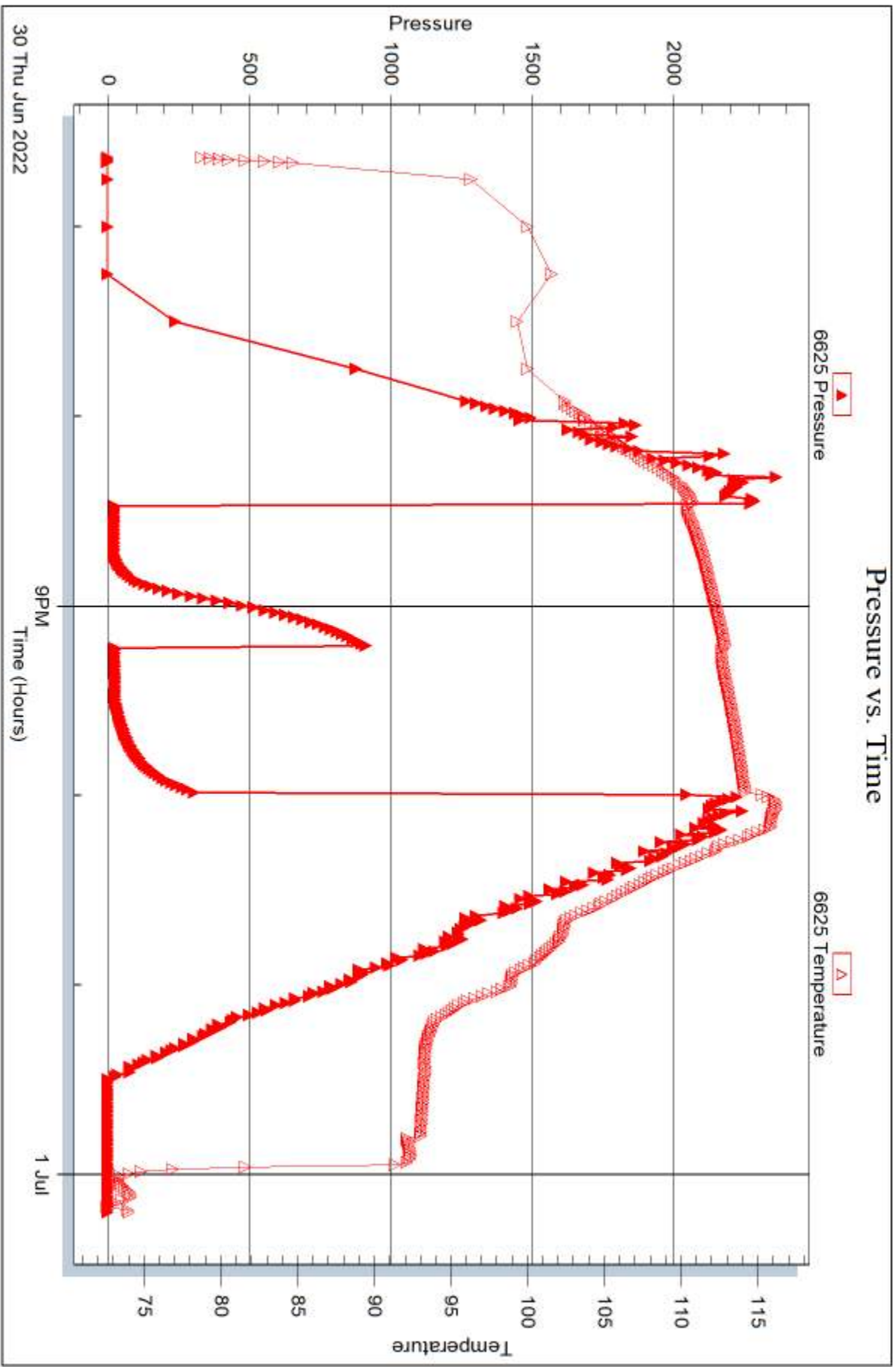
Serial #: 6625

Inside

Shakespeare Oil Co. Inc

Otley #2-8

DST Test Number: 7



Tribble Testing, Inc

Ref. No: 69110

Printed: 2022.07.05 @ 15:39:42



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

### **Ottley #2-8**

### **8-14s-32w Logan, KS**

Start Date: 2022.07.01 @ 10:26:00

End Date: 2022.07.01 @ 16:03:00

Job Ticket #: 69111                      DST #: 8

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

Printed: 2022.07.05 @ 15:35:48

Shakespeare Oil Co, Inc  
8-14s-32w Logan, KS  
Ottley #2-8  
DST # 8  
Cherokee Sand  
2022.07.01



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69111

**DST#: 8**

ATTN: Vern Schrag

Test Start: 2022.07.01 @ 10:26:00

## GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:22:45

Time Test Ended: 16:03:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4434.00 ft (KB) To 4455.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4455.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 25.50 psig @ 4435.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.07.01 End Date: 2022.07.01

Last Calib.: 2022.07.01

Start Time: 10:26:05 End Time: 16:02:59

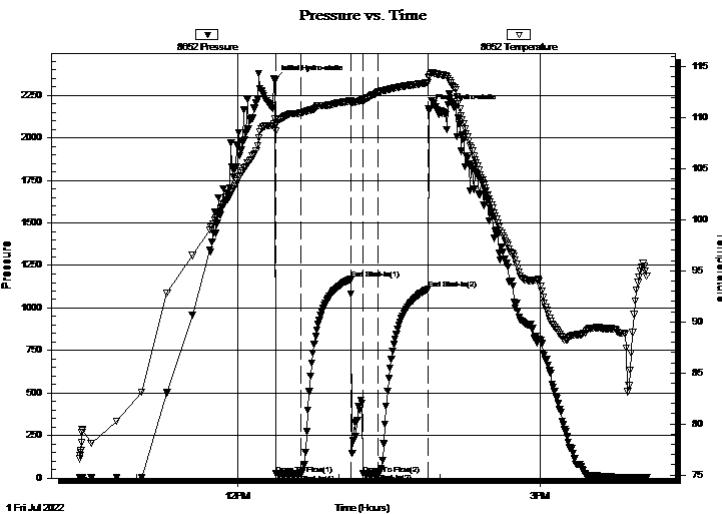
Time On Btm: 2022.07.01 @ 12:22:15

Time Off Btm: 2022.07.01 @ 13:53:30

**TEST COMMENT:** IF-15- Weak surface blow , died right aw ay

SI1-30- No return

FF-15- No blow { Driller did not slack off pipe w hen turning tool and table back spun, turned tool one more time w hen I noticed EM tool w as show ing tool w as partially shut in still.}



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2339.86         | 109.88       | Initial Hydro-static |
| 1           | 24.42           | 108.68       | Open To Flow (1)     |
| 16          | 25.16           | 110.46       | Shut-In(1)           |
| 45          | 1168.34         | 111.63       | End Shut-In(1)       |
| 53          | 24.19           | 111.54       | Open To Flow (2)     |
| 61          | 25.50           | 112.45       | Shut-In(2)           |
| 91          | 1111.32         | 113.41       | End Shut-In(2)       |
| 92          | 2170.04         | 113.90       | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00       | mud 100%    | 0.14         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69111

**DST#: 8**

ATTN: Vern Schrag

Test Start: 2022.07.01 @ 10:26:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4417.00 ft | Diameter: 3.80 inches | Volume: 61.96 bbl              | Tool Weight: 2900.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 26000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 78000.00 lb  |
|                           |                    |                       | <u>Total Volume: 61.96 bbl</u> | Tool Chased ft                     |
| Drill Pipe Above KB:      | 14.00 ft           |                       |                                | String Weight: Initial 58000.00 lb |
| Depth to Top Packer:      | 4434.00 ft         |                       |                                | Final 58000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 21.00 ft           |                       |                                |                                    |
| Tool Length:              | 52.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4404.00    |                               |
| shut In Tool     | 5.00        |            |          | 4409.00    |                               |
| hydraulic tool   | 5.00        |            |          | 4414.00    |                               |
| Jars             | 5.00        |            |          | 4419.00    |                               |
| EM Tool          | 3.00        |            |          | 4422.00    |                               |
| Safety Joint     | 3.00        |            |          | 4425.00    |                               |
| Packer           | 5.00        |            |          | 4430.00    | 31.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4434.00    |                               |
| Stubb            | 1.00        |            |          | 4435.00    |                               |
| Recorder         | 0.00        | 6625       | Inside   | 4435.00    |                               |
| Recorder         | 0.00        | 8652       | Outside  | 4435.00    |                               |
| perforations     | 17.00       |            |          | 4452.00    |                               |
| Bullnose         | 3.00        |            |          | 4455.00    | 21.00 Bottom Packers & Anchor |

**Total Tool Length: 52.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69111

**DST#: 8**

ATTN: Vern Schrag

Test Start: 2022.07.01 @ 10:26:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 10.00        | mud 100%    | 0.140         |

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

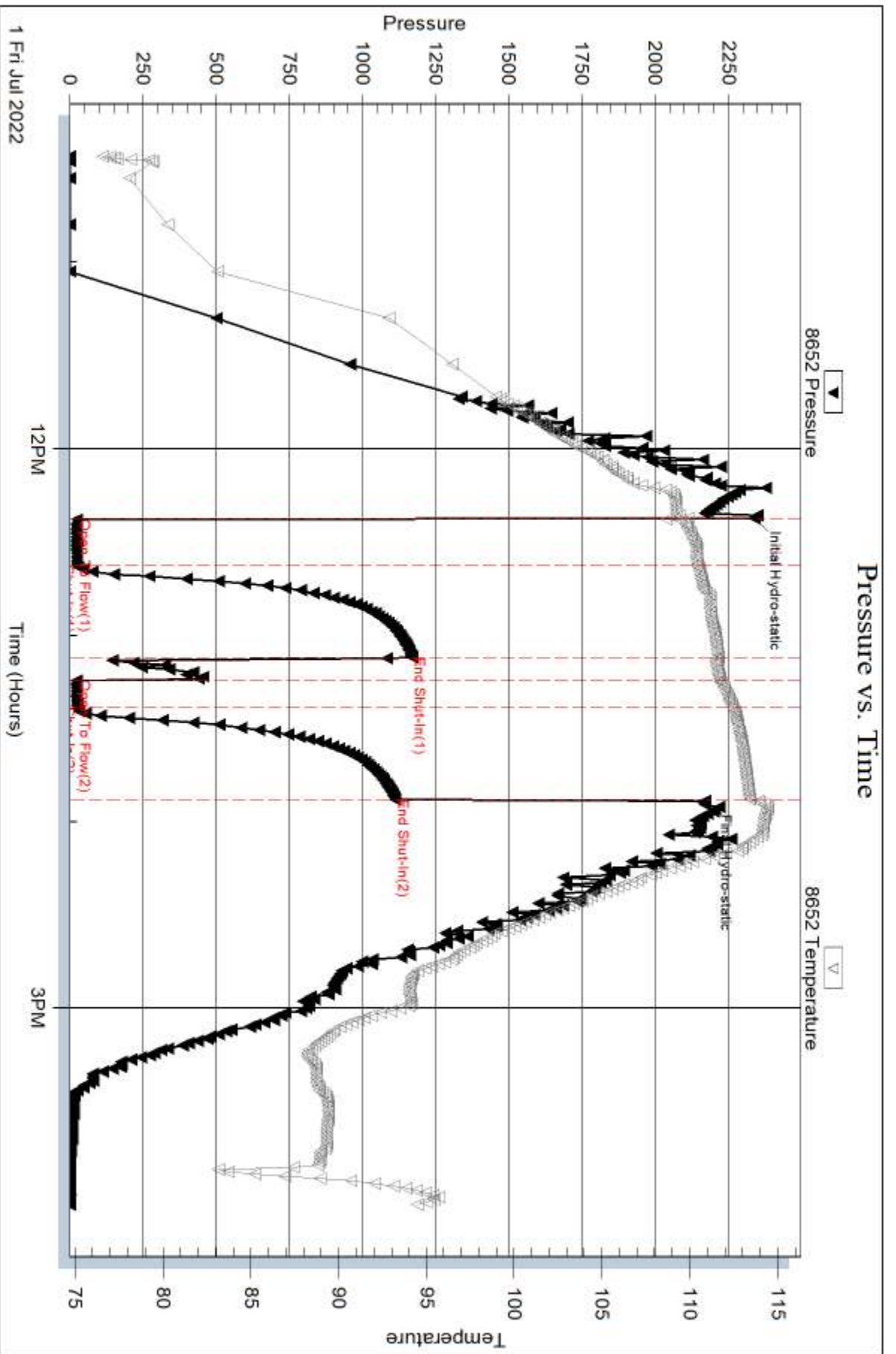
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM



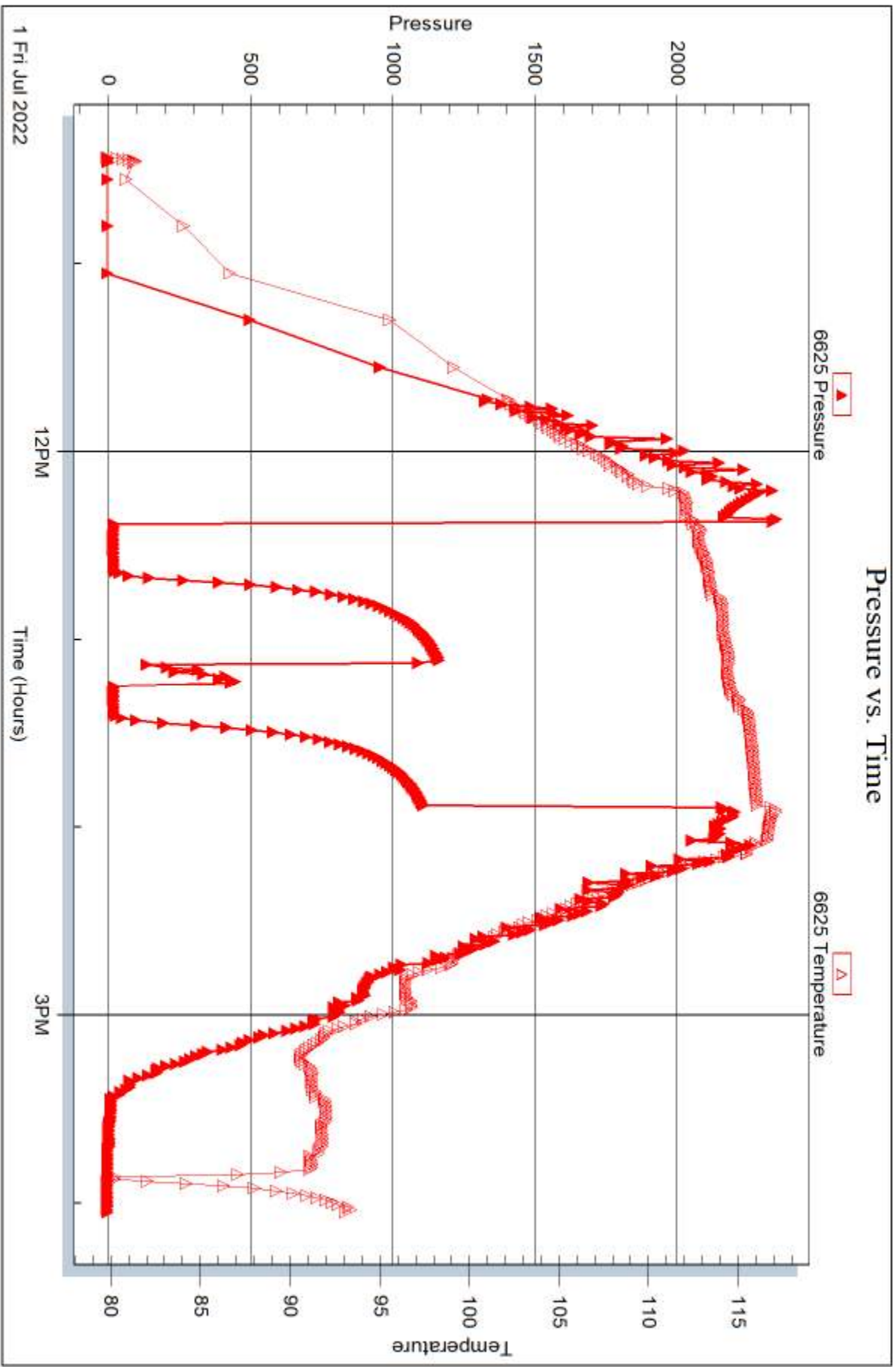
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 8



Trilobite Testing, Inc

Ref. No: 69111

Printed: 2022.07.05 @ 15:35:49



## DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**

202 W. Main St.  
Salem, Il 62881

ATTN: Vern Schrag

### **Ottley #2-8**

### **8-14s-32w Logan, KS**

Start Date: 2022.07.02 @ 04:18:00

End Date: 2022.07.02 @ 11:32:30

Job Ticket #: 69112                      DST #: 9

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

Printed: 2022.07.05 @ 15:35:05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69112

**DST#: 9**

ATTN: Vern Schrag

Test Start: 2022.07.02 @ 04:18:00

## GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:30

Time Test Ended: 11:32:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4432.00 ft (KB) To 4495.00 ft (KB) (TVD)**

Reference Elevations: 2842.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

2832.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 81.91 psig @ 4433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.07.02 End Date: 2022.07.02

Last Calib.: 2022.07.02

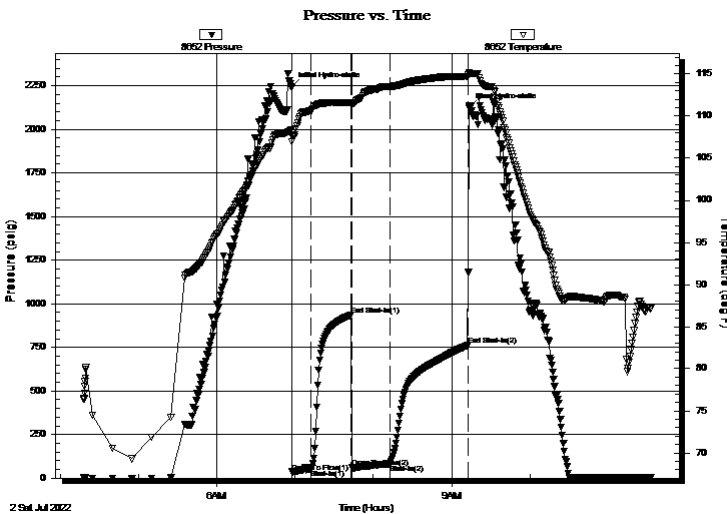
Start Time: 04:18:05 End Time: 11:32:29

Time On Btm: 2022.07.02 @ 06:57:15

Time Off Btm: 2022.07.02 @ 09:13:15

**TEST COMMENT:** IF-15- Built to 6 3/4"  
SI1-30- No return  
FF-30- Built to 10 1/2"  
SI2-60- No return

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2241.73         | 108.39       | Initial Hydro-static |
| 1           | 35.64           | 106.94       | Open To Flow (1)     |
| 15          | 52.71           | 110.66       | Shut-In(1)           |
| 46          | 935.75          | 111.63       | End Shut-In(1)       |
| 47          | 59.50           | 111.48       | Open To Flow (2)     |
| 76          | 81.91           | 113.53       | Shut-In(2)           |
| 135         | 760.74          | 114.67       | End Shut-In(2)       |
| 136         | 2123.50         | 115.19       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 64.00       | HGOCM 20% gas 30% oil 50% mud | 0.90         |
| 63.00       | GHOCM 5% gas 45% oil 50% mud  | 0.88         |
| 15.00       | GHOCM 5% gas 25% oil 70% mud  | 0.21         |
|             |                               |              |
|             |                               |              |

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, Il 62881

**Ottley #2-8**

Job Ticket: 69112

**DST#: 9**

ATTN: Vern Schrag

Test Start: 2022.07.02 @ 04:18:00

## Tool Information

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4417.00 ft | Diameter: 3.80 inches | Volume: 61.96 bbl              | Tool Weight:           | 2900.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer:  | 26000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 76000.00 lb |
|                           |                    |                       | <u>Total Volume: 61.96 bbl</u> | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 16.00 ft           |                       |                                | String Weight: Initial | 68000.00 lb |
| Depth to Top Packer:      | 4432.00 ft         |                       |                                | Final                  | 68000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 63.00 ft           |                       |                                |                        |             |
| Tool Length:              | 94.00 ft           |                       |                                |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                        |             |
| Tool Comments:            |                    |                       |                                |                        |             |

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00         |            |          | 4402.00    |                               |
| shut In Tool              | 5.00         |            |          | 4407.00    |                               |
| hydraulic tool            | 5.00         |            |          | 4412.00    |                               |
| Jars                      | 5.00         |            |          | 4417.00    |                               |
| EM Tool                   | 3.00         |            |          | 4420.00    |                               |
| Safety Joint              | 3.00         |            |          | 4423.00    |                               |
| Packer                    | 5.00         |            |          | 4428.00    | 31.00 Bottom Of Top Packer    |
| Packer                    | 4.00         |            |          | 4432.00    |                               |
| Stubb                     | 1.00         |            |          | 4433.00    |                               |
| Recorder                  | 0.00         | 6625       | Inside   | 4433.00    |                               |
| Recorder                  | 0.00         | 8652       | Outside  | 4433.00    |                               |
| perforations              | 25.00        |            |          | 4458.00    |                               |
| change Over Sub           | 1.00         |            |          | 4459.00    |                               |
| drill Pipe                | 32.00        |            |          | 4491.00    |                               |
| change Over Sub           | 1.00         |            |          | 4492.00    |                               |
| Bullnose                  | 3.00         |            |          | 4495.00    | 63.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>94.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc

**8-14s-32w Logan, KS**

202 W. Main St.  
Salem, IL 62881

**Ottley #2-8**

Job Ticket: 69112

**DST#: 9**

ATTN: Vern Schrag

Test Start: 2022.07.02 @ 04:18:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbl |
|--------------|-------------------------------|---------------|
| 64.00        | HGOCM 20% gas 30% oil 50% mud | 0.898         |
| 63.00        | GHOCM 5% gas 45% oil 50% mud  | 0.884         |
| 15.00        | GHOCM 5% gas 25% oil 70% mud  | 0.210         |

Total Length: 142.00 ft

Total Volume: 1.992 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

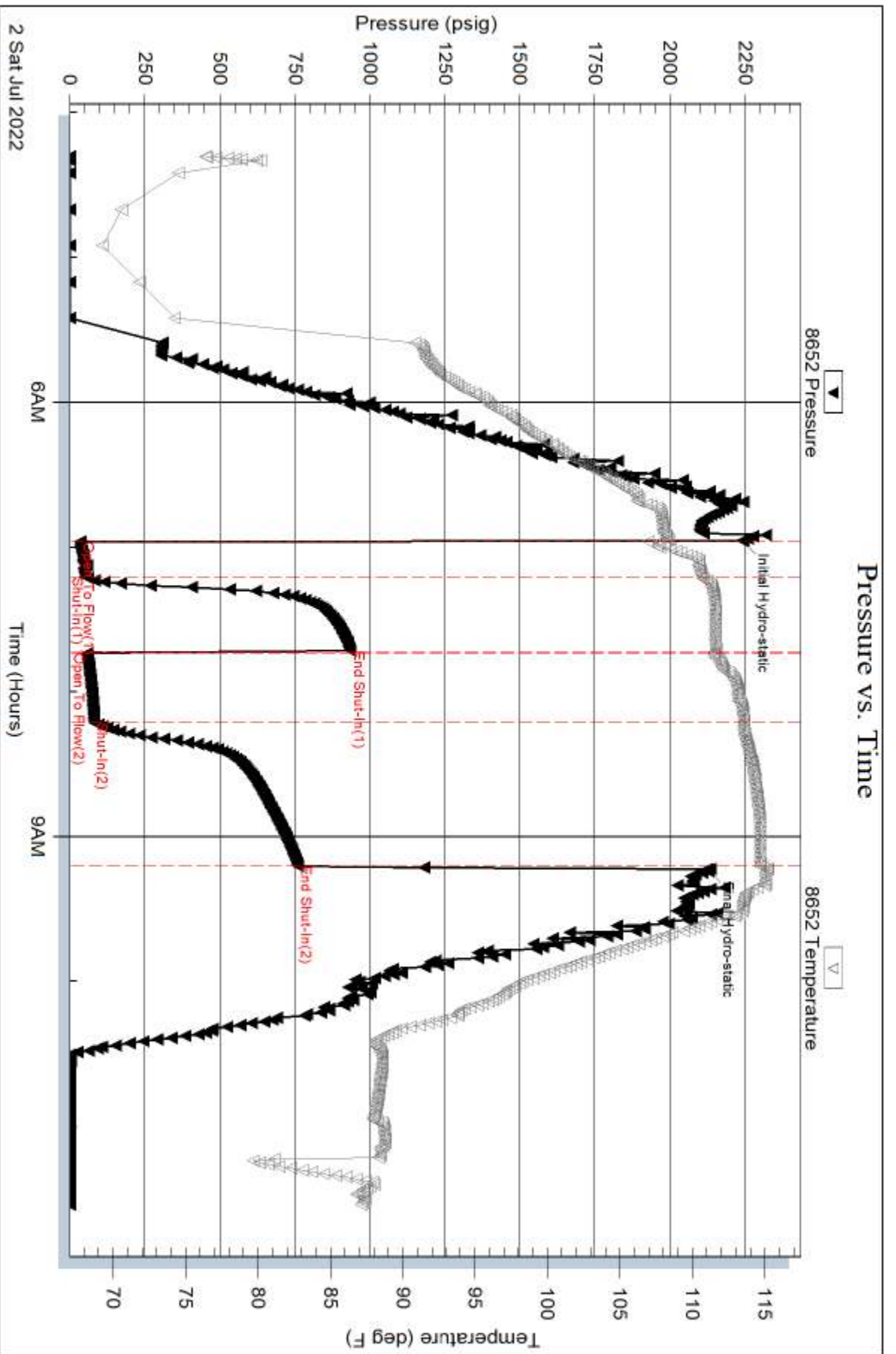
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 4# LCM





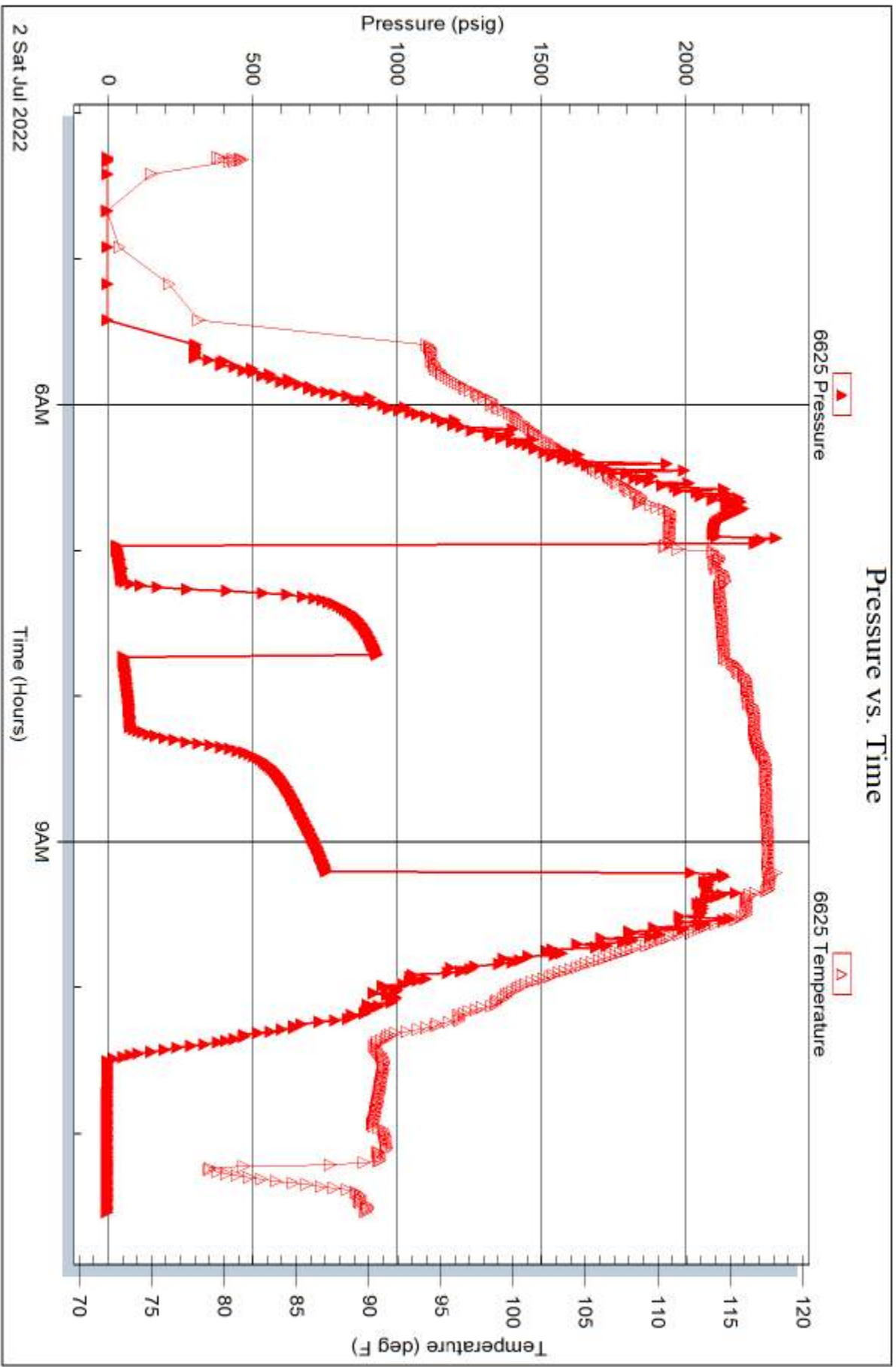
Serial #: 6625

Inside

Shakespeare Oil Co, Inc

Otley #2-8

DST Test Number: 9







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 69104

Well Name & No. Ottley #2-8 Test No. 1 Date 6/25/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 3861-3880 Zone Tested LKC B  
 Anchor Length 19 Drill Pipe Run 3845 Mud Wt. 8.6  
 Top Packer Depth 3856 Drill Collars Run 0 Vis 58  
 Bottom Packer Depth 3861 Wt. Pipe Run 0 WL 6.4  
 Total Depth 3880 Chlorides 2500 ppm System LCM 2#

Blow Description IF-Built to 9"  
S17-1/4" return  
FF-Built to 11 1/4"  
S12-1/4" return died in 39 min

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|---------|------|------|--------|------|
| 40  | MCO     | 95   |      | 5      |      |
| 63  | owcm    | 10   |      | 70     | 70   |
| 54  | SOMCW   | 2    |      | 78     | 20   |
| 10  | Mud     |      |      |        | 100  |
|     |         | %gas | %oil | %water | %mud |

Rec Total 177 BHT 113 Gravity 29 API RW .1 @ 83 °F Chlorides 65000 ppm

(A) Initial Hydrostatic 1894  Test 1800 T-On Location 11:00  
 (B) First Initial Flow 29  Jars 300 T-Started 12:11  
 (C) First Final Flow 52  Safety Joint \_\_\_\_\_ T-Open 14:35  
 (D) Initial Shut-In 931  Circ Sub N/A T-Pulled 16:50  
 (E) Second Initial Flow 57  Hourly Standby \_\_\_\_\_ T-Out 19:25  
 (F) Second Final Flow 93  Mileage 66 99 Comments None  
 (G) Final Shut-In 930  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1729  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 66  
 Sub Total 2199  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Dust Dy

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.





# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **69105**

Well Name & No. Ottley #2-8 Test No. 2 Date 6/26/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 3913-3930 Zone Tested LKC E  
 Anchor Length 17 Drill Pipe Run 3900 Mud Wt. 9.1  
 Top Packer Depth 3908 Drill Collars Run Ø Vls 67  
 Bottom Packer Depth 3913 Wt. Pipe Run Ø WL 8.8  
 Total Depth 3930 Chlorides 4000 ppm System LCM 2#

Blow Description IF-Built to 2 3/4"  
S11- No return  
FF- Built to 4"  
S12- No return

| Rec       | Feet of      | %gas | %oil       | %water   | %mud      |
|-----------|--------------|------|------------|----------|-----------|
| <u>62</u> | <u>SOWCM</u> |      | <u>1</u>   | <u>4</u> | <u>95</u> |
| <u>2</u>  | <u>oil</u>   |      | <u>100</u> |          |           |
|           |              |      |            |          |           |
|           |              |      |            |          |           |
|           |              |      |            |          |           |

Rec Total 64 BHT 111 Gravity 1800 API RW 300 @ ° F Chlorides ppm

(A) Initial Hydrostatic 1965  Test 1800 T-On Location 11:05  
 (B) First Initial Flow 25  Jars 300 T-Started 12:13  
 (C) First Final Flow 30  Safety Joint \_\_\_\_\_ T-Open 14:11  
 (D) Initial Shut-In 964  Circ Sub N/A T-Pulled 16:26  
 (E) Second Initial Flow 34  Hourly Standby \_\_\_\_\_ T-Out 18:25  
 (F) Second Final Flow 48  Mileage 666 99 Comments Motel  
 (G) Final Shut-In 943  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1825  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2199  
 Sub Total 2199 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative D. J. Dy  
 Tribolite 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

NO. **69106**

Well Name & No. Ottley #2-8 Test No. 3 Date 6/27/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig#8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 3992-4012 Zone Tested LKC H  
 Anchor Length 20 Drill Pipe Run 3972 Mud Wt. 9.2  
 Top Packer Depth 3987 Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 3992 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4012 Chlorides 3800 ppm System LCM 2#

Blow Description IF-Built to 9"  
S14- No blow  
FF- BOB in 19 min. built to 18 1/2"  
S12- No return

| Rec       | Feet of        | %gas     | %oil      | %water    | %mud      |
|-----------|----------------|----------|-----------|-----------|-----------|
| <u>53</u> | <u>560 wcm</u> | <u>5</u> | <u>5</u>  | <u>10</u> | <u>80</u> |
| <u>63</u> | <u>60 oil</u>  | <u>5</u> | <u>95</u> |           |           |
|           | <u>74' GIP</u> |          |           |           |           |
|           |                |          |           |           |           |
|           |                |          |           |           |           |

Rec Total 116 BHT 112 Gravity 39 API RW @      °F Chlorides      ppm

(A) Initial Hydrostatic 2018  Test 1950 T-On Location 06:20  
 (B) First Initial Flow 26  Jars 300 T-Started 06:30  
 (C) First Final Flow 38  Safety Joint      T-Open 08:39  
 (D) Initial Shut-In 1032  Circ Sub N/A T-Pulled 10:54  
 (E) Second Initial Flow 43  Hourly Standby      T-Out 13:24  
 (F) Second Final Flow 68  Mileage 66 99 Comments Motel  
 (G) Final Shut-In 1031  Sampler       
 (H) Final Hydrostatic 1816  Straddle       EM Tool NO BATTERY -350  
 Shale Packer       Ruined Shale Packer       
 Extra Packer       Ruined Packer       
 Extra Recorder       Extra Copies       
 Initial Open 15  Day Standby      Sub Total -350  
 Initial Shut-In 30  Accessibility      Total 1999  
 Final Flow 30 Sub Total 2349 MP/DST Disc't       
 Final Shut-In 60

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

NO. 69107

Well Name & No. Ottley #2-8 Test No. 4 Date 6/28/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W main St Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 4023-4070 Zone Tested LKC I  
 Anchor Length 47 Drill Pipe Run 4004 Mud Wt. 92  
 Top Packer Depth 4018 Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 4023 Wt. Pipe Run 0 WL 72  
 Total Depth 4070 Chlorides 3800 ppm System LCM 2#

Blow Description IF-BOB in 8min. 45sec. Built to 21"  
S12-No return  
FF-BOB in 11min. Built to 30"  
S12-Built to 43/4" return

| Rec        | Feet of        | %gas     | %oil      | %water    | %mud      |
|------------|----------------|----------|-----------|-----------|-----------|
| <u>127</u> | <u>MCW</u>     |          |           | <u>80</u> | <u>20</u> |
| <u>63</u>  | <u>OWCM</u>    |          | <u>10</u> | <u>20</u> | <u>70</u> |
| <u>171</u> | <u>SOWCM</u>   |          | <u>5</u>  | <u>5</u>  | <u>90</u> |
| <u>60</u>  | <u>GOil</u>    | <u>5</u> | <u>95</u> |           |           |
|            | <u>87' GIP</u> |          |           |           |           |

Rec Total 421 BHT 115 Gravity 36 API RW .16 @ 52 °F Chlorides 72000 ppm

(A) Initial Hydrostatic 2027  Test 1950 T-On Location 22:55  
 (B) First Initial Flow 34  Jars 300 T-Started 23:20  
 (C) First Final Flow 102  Safety Joint \_\_\_\_\_ T-Open 02:00  
 (D) Initial Shut-In 786  Circ Sub N/A T-Pulled 04:15  
 (E) Second Initial Flow 11  Hourly Standby \_\_\_\_\_ T-Out 07:50  
 (F) Second Final Flow 210  Mileage 616 <sup>99</sup> Comments Motel  
 (G) Final Shut-In 761  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1869  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Accessibility \_\_\_\_\_ Total 2349  
 Final Flow 30  Sub Total 2349 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60

Approved By \_\_\_\_\_ Our Representative Dust Dx  
 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

NO. 69108

Well Name & No. Ottley #2-8 Test No. 5 Date 6/28/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig # 8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State IL

Interval Tested 4076-4087 Zone Tested LK L K  
 Anchor Length 11 Drill Pipe Run 4067 Mud Wt. 9.2  
 Top Packer Depth 4071 Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 4076 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4087 Chlorides 5000 ppm System LCM 2#

Blow Description IF-Built to 6 1/2"  
S12- No Return  
FF Built to 9 1/4"  
S12- No return

| Rec       | Feet of    | %gas | %oil       | %water     | %mud      |
|-----------|------------|------|------------|------------|-----------|
| <u>10</u> | <u>Mud</u> |      |            | <u>100</u> |           |
| <u>53</u> | <u>MW</u>  |      |            | <u>55</u>  | <u>45</u> |
| <u>93</u> | <u>WCM</u> |      |            | <u>15</u>  | <u>85</u> |
| <u>10</u> | <u>oil</u> |      | <u>100</u> |            |           |
|           |            |      |            |            |           |

Rec Total 1666 BHT 117 Gravity 1950 API RW 12 @ 86 ° F Chlorides 52000 ppm

(A) Initial Hydrostatic 2083  Test 1950 T-On Location 15:05  
 (B) First Initial Flow 25  Jars 300 T-Started 15:29  
 (C) First Final Flow 48  Safety Joint \_\_\_\_\_ T-Open 17:32  
 (D) Initial Shut-In 853  Circ Sub N/A T-Pulled 19:17  
 (E) Second Initial Flow 52  Hourly Standby \_\_\_\_\_ T-Out 21:36  
 (F) Second Final Flow 95  Mileage 106 99 Comments Motel  
 (G) Final Shut-In 846  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2042  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Accessibility \_\_\_\_\_ Total 2349  
 Final Flow 30 Sub Total 2349 MR/DST Disc't \_\_\_\_\_  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative D. M. [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.





# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 69109

Well Name & No. Offley #2-8 Test No. 6 Date 10/29/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig#8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 4112-4132 Zone Tested LKCL  
 Anchor Length 20 Drill Pipe Run 4099 Mud Wt. 9.2  
 Top Packer Depth 4107 Drill Collars Run Ø Vis 54  
 Bottom Packer Depth 4112 Wt. Pipe Run Ø WL 7.2  
 Total Depth 4132 Chlorides 4500 ppm System LCM 2#

Blow Description FF- weak surface blow  
S12- No return  
FF- No blow  
S12- No return

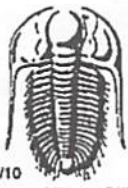
| Rec       | Feet of    | %gas       | %oil      | %water | %mud |
|-----------|------------|------------|-----------|--------|------|
| <u>10</u> | <u>OCM</u> | <u>15</u>  | <u>85</u> |        |      |
| <u>2</u>  | <u>oil</u> | <u>100</u> |           |        |      |
|           |            |            |           |        |      |
|           |            |            |           |        |      |
|           |            |            |           |        |      |

Rec Total 12 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |  |  |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2068</u> | <input checked="" type="checkbox"/> Test 1950              | T-On Location <u>08:45</u>                   |
| (B) First Initial Flow <u>22</u>    | <input checked="" type="checkbox"/> Jars 300               | T-Started <u>09:01</u>                       |
| (C) First Final Flow <u>24</u>      | <input checked="" type="checkbox"/> Safety Joint           | T-Open <u>10:45</u>                          |
| (D) Initial Shut-In <u>852</u>      | <input checked="" type="checkbox"/> Circ Sub <u>N/A</u>    | T-Pulled <u>12:30</u>                        |
| (E) Second Initial Flow <u>27</u>   | <input type="checkbox"/> Hourly Standby                    | T-Out <u>14:29</u>                           |
| (F) Second Final Flow <u>26</u>     | <input checked="" type="checkbox"/> Mileage <u>late</u> 99 | Comments <u>Motel</u>                        |
| (G) Final Shut-In <u>638</u>        | <input type="checkbox"/> Sampler                           |  |
| (H) Final Hydrostatic <u>2052</u>   | <input type="checkbox"/> Straddle                          | <input checked="" type="checkbox"/> EM Tool  |
| Initial Open <u>15</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>2349</u>                            |
| Sub Total <u>2349</u>               |  | MP/DST Disc't _____                          |

Approved By \_\_\_\_\_ Our Representative DWA Dg  
 Tribolite 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.





# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 69110

Well Name & No. Ottley #2-8 Test No. 7 Date 6/30/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 4365-4435 Zone Tested Cherokee  
 Anchor Length 20 Drill Pipe Run 4352 Mud Wt. 9.3  
 Top Packer Depth 4360 Drill Collars Run 0 Vis 54  
 Bottom Packer Depth 4365 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4435 Chlorides 4000 ppm System LCM 2#

Blow Description IF- Weak surface blow, died in 8 min  
S12- No return  
FF- No blow  
S12- No return

| Rec       | Feet of    | %gas | %oil       | %water | %mud      |
|-----------|------------|------|------------|--------|-----------|
| <u>10</u> | <u>OCM</u> |      | <u>5</u>   |        | <u>95</u> |
| <u>1</u>  | <u>oil</u> |      | <u>100</u> |        |           |
|           |            |      |            |        |           |
|           |            |      |            |        |           |
|           |            |      |            |        |           |

Rec Total 11' BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |   |   |
|-------------------------------------|---|---|
| (A) Initial Hydrostatic <u>2274</u> | <input checked="" type="checkbox"/> Test <u>1950</u>        | T-On Location <u>18:10</u>                        |
| (B) First Initial Flow <u>27</u>    | <input checked="" type="checkbox"/> Jars <u>300</u>         | T-Started <u>18:38</u>                            |
| (C) First Final Flow <u>28</u>      | <input checked="" type="checkbox"/> Safety Joint <u>N/A</u> | T-Open <u>20:29</u>                               |
| (D) Initial Shut-In <u>909</u>      | <input type="checkbox"/> Circ Sub _____                     | T-Pulled <u>21:59</u>                             |
| (E) Second Initial Flow <u>30</u>   | <input type="checkbox"/> Hourly Standby _____               | T-Out <u>00:13</u>                                |
| (F) Second Final Flow <u>30</u>     | <input checked="" type="checkbox"/> Mileage <u>66</u> 99    | Comments <u>note</u>                              |
| (G) Final Shut-In <u>324</u>        | <input type="checkbox"/> Sampler _____                      |   |
| (H) Final Hydrostatic <u>2100</u>   | <input type="checkbox"/> Straddle _____                     | <input checked="" type="checkbox"/> EM Tool _____ |

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30

Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 2349 MP/DST Disc't \_\_\_\_\_

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

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 69111

Well Name & No. Ottley #2-8 Test No. 8 Date 07/1/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St. Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 4434-4455 Zone Tested Cherokee Sand  
 Anchor Length 21 Drill Pipe Run 4417 Mud Wt. 9.7  
 Top Packer Depth 4429 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 4434 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4455 Chlorides 3500 ppm System LCM 2#

Blow Description IF- Weak surface blow, died right away  
S11- No return  
EF- No blow (driller didn't stack off and tool turned backwards, turned 1 more turn after  
S12- No return I noticed EM PSI was showing tool partially shut in still)

| Rec       | Feet of    | %gas | %oil | %water | %mud        |
|-----------|------------|------|------|--------|-------------|
| <u>10</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 10 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |   |   |
|-------------------------------------|---|---|
| (A) Initial Hydrostatic <u>2340</u> | <input checked="" type="checkbox"/> Test <u>1950</u>      | T-On Location <u>09:50</u>                        |
| (B) First Initial Flow <u>24</u>    | <input checked="" type="checkbox"/> Jars <u>300</u>       | T-Started <u>10:26</u>                            |
| (C) First Final Flow <u>25</u>      | <input checked="" type="checkbox"/> Safety Joint _____    | T-Open <u>12:23</u>                               |
| (D) Initial Shut-In <u>1168</u>     | <input checked="" type="checkbox"/> Circ Sub <u>N/A</u>   | T-Pulled <u>13:53</u>                             |
| (E) Second Initial Flow <u>24</u>   | <input type="checkbox"/> Hourly Standby _____             | T-Out <u>16:03</u>                                |
| (F) Second Final Flow <u>26</u>     | <input checked="" type="checkbox"/> Mileage <u>106</u> 99 | Comments <u>meter loaded tools</u>                |
| (G) Final Shut-In <u>1111</u>       | <input type="checkbox"/> Sampler _____                    |   |
| (H) Final Hydrostatic <u>2170</u>   | <input type="checkbox"/> Straddle _____                   | <input checked="" type="checkbox"/> EM Tool _____ |

Initial Open 15  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30

Sub Total 2349 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Dust Dg

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **69112**

Well Name & No. Ottley #2-8 Test No. 9 Date 7/2/22  
 Company Shakespeare Oil Co Inc Elevation 2842 KB 2832 GL  
 Address 202 W Main St Salem, IL 62881  
 Co. Rep / Geo. Vern Schrag Rig Southwind Rig #8  
 Location: Sec. 8 Twp 14 Rge. 32 Co. Logan State KS

Interval Tested 4432-4495 Zone Tested Cherokee Sand  
 Anchor Length 63 Drill Pipe Run 4417 Mud Wt. 9.1  
 Top Packer Depth 4427 Drill Collars Run Ø Vis 54  
 Bottom Packer Depth 4432 Wt. Pipe Run Ø WL 7.2  
 Total Depth 4495 Chlorides 4000 ppm System LCM 2#

Blow Description FF-Built to 63 1/4"  
S17- No return  
FF-Built to 10 1/2"  
S12- No return

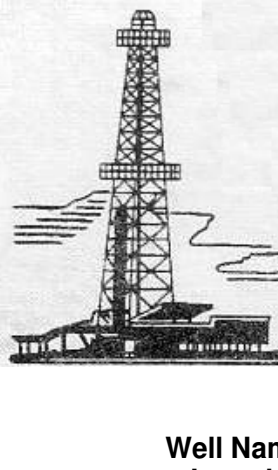
| Rec       | Feet of      | %gas       | %oil       | %water     | %mud      |
|-----------|--------------|------------|------------|------------|-----------|
| <u>64</u> | <u>H60CM</u> | <u>20%</u> | <u>30%</u> | <u>50%</u> | <u>0%</u> |
| <u>63</u> | <u>G10CM</u> | <u>5%</u>  | <u>45%</u> | <u>50%</u> | <u>0%</u> |
| <u>15</u> | <u>G40CM</u> | <u>5%</u>  | <u>25%</u> | <u>70%</u> | <u>0%</u> |
| Rec       | Feet of      | %gas       | %oil       | %water     | %mud      |
| Rec       | Feet of      | %gas       | %oil       | %water     | %mud      |

Rec Total 142 BHT 15 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2242  Test 1950 T-On Location 03:00  
 (B) First Initial Flow 36  Jars 300 T-Started 04:18  
 (C) First Final Flow 53  Safety Joint \_\_\_\_\_ T-Open 06:57  
 (D) Initial Shut-In 936  Circ Sub N/A T-Pulled 09:12  
 (E) Second Initial Flow 60  Hourly Standby \_\_\_\_\_ T-Out 11:32  
 (F) Second Final Flow 82  Mileage 66 99 Comments loaded tools (again)  
 (G) Final Shut-In 761  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2124  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2349  
 Sub Total 2349 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Dust Dy

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WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG  
CONSULTANT GEOLOGIST



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

Well Name: OTTLEY #2-8  
Location: SE SE NW SE Sec. 08-14S-32W  
Licence Number: API: 15-109-21642  
Spud Date: June 21, 2022  
Surface Coordinates: 1485' FNL & 1563' FEL

Region: Logan Co., KS  
Drilling Completed: July 3, 2022

Bottom Hole Coordinates:  
Ground Elevation (ft): 2832' K.B. Elevation (ft): 2842'  
Logged Interval (ft): 3600' To: RTD Total Depth (ft): 4555'  
Formation: Mississippi  
Type of Drilling Fluid: Chemical Premix (Displaced)

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

OPERATOR:

Company: Shakespeare Oil Co., Inc.  
Address: 202 West Main Street  
Salem, IL 62881

DRILLING CONTRACTOR:

Southwind Drilling Co., Rig #8

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8", 482.62'; Kelly 40.00', Tool Joint 5.5" ; Bit: 7-7/8", JZ HA23C, 3/15s; rpm 80, WOB 35k; Kelly Bushing 10' above ground level; Doug Roberts (tool pusher).

CASING:

Ran 6 joints of new 23#, 8 5/8" casing, tally @ 254', set @ 266'

Ran 109 joints of 11.6# 4 1/2" casing, tally @ 4553', set @ 4552'

CIRCULATION SYSTEM:

Continental EMSCO D-375, duplex, 6 x 14 x 2, 58 spm, Chemical, premix, earth pits, MudCo/Service Mud, Inc., Reid Atkins.

GAS DETECTION SYSTEM:

None.

DRILL STEM TESTS:

Trilobite Testing, Inc., WaKeeney, KS, Dustin Day.

OPEN HOLE LOGS:

DN, DI (SP), ML; 5" detail LTD-3600; 2" DI to surface casing; ELI Wireline Services, Hays, KS, Jeff Leubbers.

Table with columns: ROP (min/ft), DST, Lithology, Depth, Geological Descriptions, Total Gas (TG units), and Hot-Wire. The table contains detailed well log data from 3600' to 4555' depth, including lithological descriptions, gas measurements, and operational notes.

RTD 1:15 am  
07/03/2022

ELI Wireline LTD 4556



# FRANKS Oilfield Service, LLC

815 Main Street  
Victoria, KS 67671

Office (785) 639-3949  
24 Hour Service Line (785) 639-7269

Email: franksoilfield@yahoo.com

## Invoice

| Date      | Invoice # |
|-----------|-----------|
| 6/21/2022 | 0626      |

Please Pay from this Invoice.  
Remit Payment to:  
815 Main Street  
Victoria, KS 67671  
Billing Questions-Call Tianna at  
(785) 639-3949

|   |
|---|
| Bill To   |
| Shakespeare Oil Company, Inc.<br>202 W. Main St.<br>Salem, IL 62881 |

RECEIVED  
JUL 01 2022

| County/State     | Lease/Well# | Terms  | Job Type |
|------------------|-------------|--------|----------|
| Logan County, KS | Ottley 2-8  | Net 30 | Surface  |

| Description           | Quantity | Rate     | Amount    |
|-----------------------|----------|----------|-----------|
| Pump Charge           | 1        | 1,150.00 | 1,150.00  |
| Mileage               | 68       | 6.50     | 442.00    |
| 8.58 tons at 68 miles | 583.44   | 1.50     | 875.16    |
| Surface Blend         | 175      | 24.50    | 4,287.50T |
| Flo-Seal              | 41       | 3.00     | 123.00T   |
| Discount              |          | -687.76  | -687.76   |

502-5 g

Thank-you!

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

**Subtotal** \$6,189.90

*We appreciate your business and look forward to serving you again!*

**Sales Tax (8.0%)** \$317.56

**Balance Due** *DW* \$6,507.46

# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

BOOKING NUMBER 0626  
 LOCATION Hoxie  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

| DATE                                       | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|--|------------|--------------------|---------|----------|-------|--------|
| 6-21-22                                    | 2311       | Ottawa #2-4        | 8       | 14       | 32W   | Logan  |
| CUSTOMER<br><u>Shakespeare Oil Co. Inc</u> |            |                    | TRUCK # |          |       |        |
| MAILING ADDRESS<br><u>202 W Main St</u>    |            |                    | DRIVER  |          |       |        |
| CITY<br><u>Salem</u>                       |            |                    | TRUCK # |          |       |        |
| STATE<br><u>IL</u>                         |            |                    | DRIVER  |          |       |        |
| ZIP CODE<br><u>62550</u>                   |            |                    | TRUCK # |          |       |        |

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 269' CASING SIZE & WEIGHT 5 3/8"  
 CASING DEPTH 269' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.4 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 16 Bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting + set up on South Wind. Circulate Mud.  
Mix 175 sy surface blend & displace with 16 Bbl. Shut in  
Cement did circulate  
Plug down 10:00pm

Use 5 3/8" circulating board Thanks Tom & Jack

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE      | TOTAL     |
|--------------|-------------------|------------------------------------|-----------------|-----------|
| PL002        | 1                 | PUMP CHARGE <u>Surface</u>         | \$1150.00       | \$1150.00 |
| MA001        | 65 miles          | MILEAGE                            | \$6.80          | \$442.00  |
| MA002        | 5.58 tons         | Ton Mileage Delivery               | \$875.16        | \$875.16  |
| CB004        | 175 sy            | Class A 370 cc 270 gal             | \$24.50         | \$4287.50 |
| CP006        | 4 lbs             | Flo 5001                           | \$3.00          | \$123.00  |
|              |                   |                                    | sub total       | \$6877.66 |
|              |                   |                                    | less 10% discn  | \$6189.90 |
|              |                   |                                    | sub total       | \$6189.90 |
|              |                   |                                    | SALES TAX       | 317.56    |
|              |                   |                                    | ESTIMATED TOTAL | 6507.46   |

*Way Kober*

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.