





|           |                         |
|-----------|-------------------------|
| Form      | ACO1 - Well Completion  |
| Operator  | Abercrombie Energy, LLC |
| Well Name | VASQUEZ 1-6             |
| Doc ID    | 1663102                 |

#### Tops

| Name   | Top  | Datum |
|--------|------|-------|
| ANHY   | 1921 | +537  |
| B/ANHY | 1963 | +495  |
| HEEB   | 3750 | -1292 |
| LANS   | 3786 | -1328 |
| MUN CK | 3925 | -1467 |
| STRK   | 3996 | -1538 |
| BKC    | 4037 | -1579 |
| MARM   | 4057 | -1599 |
| PAW    | 4158 | -1700 |
| FT SCT | 4240 | -1782 |
| CHER   | 4258 | -1800 |
| MISS   | 4331 | -1873 |

|           |                         |
|-----------|-------------------------|
| Form      | ACO1 - Well Completion  |
| Operator  | Abercrombie Energy, LLC |
| Well Name | VASQUEZ 1-6             |
| Doc ID    | 1663102                 |

#### Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| Surface           | 12.25             | 8.625           | 23     | 218           | COM            | 165                  | 3%CC,<br>2% GEL            |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |



**HP Oilfield Services, LLC**  
383 Inverness Parkway, Suite 330  
Englewood, CO 80112

# Invoice

| Date     | Invoice # |
|----------|-----------|
| 8/8/2022 | 27812     |

RECEIVED  
AUG 22 2022  
WICHITA

| Bill To                                                                    |
|----------------------------------------------------------------------------|
| Abercrombie Energy, LLC<br>10209 W. Central, Suite #2<br>Wichita, KS 67212 |

| Lease        |
|--------------|
| Vasquez #1-6 |

| Order by / P.O. No.                                                                                                                                                                       |         |           |     |                         | Terms     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-----|-------------------------|-----------|
|                                                                                                                                                                                           |         |           |     |                         | Net 30    |
| Description                                                                                                                                                                               | Unit    | Hrs / Qty | U/M | Rate                    | Amount    |
| Cement Service for Vasquez #1-6<br>Field Ticket #: 2544 K-C<br>Description: Please see Attached Field Ticket                                                                              |         |           |     |                         |           |
| Pump Charge for Cement                                                                                                                                                                    | CMT-103 | 1         | ea  | 1,150.00                | 1,150.00  |
| Pumptruck Mileage                                                                                                                                                                         | CMT-103 | 35        | ea  | 7.15                    | 250.25    |
| Mileage Delivery of Bulk Material - Min Charge                                                                                                                                            | CMT-103 | 1         | ea  | 660.00                  | 660.00    |
| Surface Blend II, 2% Gel/3% CaCl                                                                                                                                                          | CMT     | 165       | SKS | 24.00                   | 3,960.00T |
| Discount - Non-Taxable Items                                                                                                                                                              | CMT     | 1         | ea  | -412.05                 | -412.05   |
| Discount - Taxable Items                                                                                                                                                                  | CMT     | 1         | ea  | -792.00                 | -792.00T  |
| Subtotal prior to Sales Taxes                                                                                                                                                             |         |           |     |                         | 4,816.20  |
| KS & Trego County Sales Tax                                                                                                                                                               |         |           |     | 7.50%                   | 237.60    |
| <div>VENDOR NUMBER _____<br/>VOUCHER NUMBER _____<br/>VERIF OF RECEIPT <u>VASQU</u><br/>CODE NUMBER <u>9362</u> <u>AMOUNT</u><br/><u>"CEMENT SURFACE CASING"</u><br/>APPROVAL _____</div> |         |           |     |                         |           |
| Thank you for your business.                                                                                                                                                              |         |           |     | <b>Total</b> \$5,053.80 |           |



TICKET NUMBER 2544 K-C  
LOCATION Hugoton Ks  
FOREMAN Walt Dinske

## FIELD TICKET & TREATMENT REPORT CEMENT

|                                                                                     |            |                    |                                               |                 |                 |        |
|-------------------------------------------------------------------------------------|------------|--------------------|-----------------------------------------------|-----------------|-----------------|--------|
| DATE                                                                                | CUSTOMER # | WELL NAME & NUMBER | SECTION                                       | TOWNSHIP        | RANGE           | COUNTY |
| 8-8-22                                                                              |            | Vasquez # 1-6      | 6                                             | 13 <sup>S</sup> | 23 <sup>W</sup> | Trego  |
| CUSTOMER<br>Abercrombie Energy, LLC<br>MAILING ADDRESS<br>CITY<br>STATE<br>ZIP CODE |            |                    | WICKIWOAG<br>SOUTH TO<br>N Rd<br>1 W<br>h. 5i |                 |                 |        |
|                                                                                     |            |                    | TRUCK #                                       | DRIVER          | TRUCK #         | DRIVER |
|                                                                                     |            |                    | 103                                           | Cory Di         |                 |        |
|                                                                                     |            |                    | 800-850                                       | Jon Enet        |                 |        |
|                                                                                     |            |                    |                                               |                 |                 |        |

|               |         |                  |         |              |      |                       |              |
|---------------|---------|------------------|---------|--------------|------|-----------------------|--------------|
| JOB TYPE      | Surface | HOLE SIZE        | 12 1/4" | HOLE DEPTH   | 220' | CASING SIZE & WEIGHT  | 8 5/8 - 2.37 |
| CASING DEPTH  | 218     | DRILL PIPE       |         | TUBING       |      | OTHER                 |              |
| SLURRY WEIGHT | 15.2    | SLURRY VOL       |         | WATER gal/sk |      | CEMENT LEFT in CASING | 15' to 20'   |
| DISPLACEMENT  | 12 3/4  | DISPLACEMENT PSI |         | MIX PSI      |      | RATE                  |              |

REMARKS: Safety Meeting, Rig up on murtin #16,  
Circ casing on bottom, mix 165 SKs com, 3% cc-2% col, Displace 12 3/4 BBL H<sub>2</sub>O

Cement Dió Cinc

Thank You  
Walt + Crew

[illegible]

## AUTHORIZATION

TITLE

DATE \_\_\_\_\_

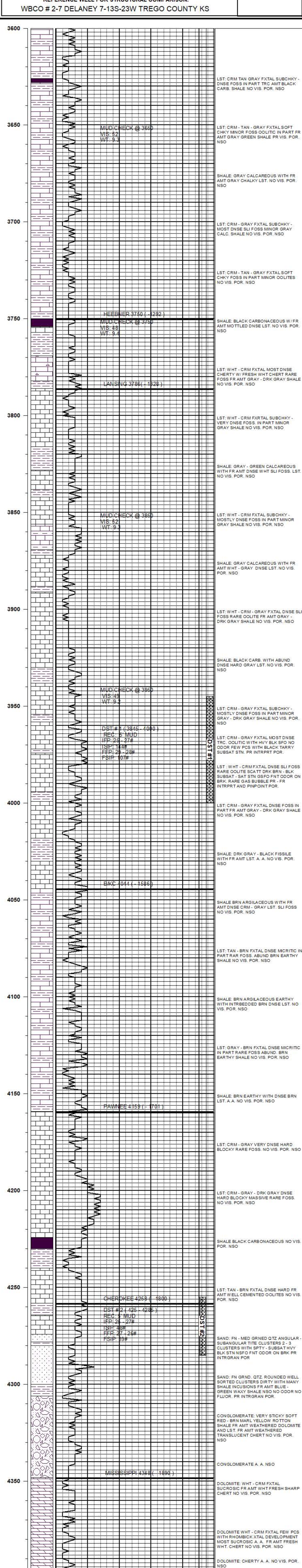
I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# KEVIN L. KESSLER

CONSULTING PETROLEUM GEOLOGIST

( 316 ) 522 - 7338

|                                                     |                         |                            |              |                                        |  |
|-----------------------------------------------------|-------------------------|----------------------------|--------------|----------------------------------------|--|
| <b>OPERATOR :</b> ABERCROMBIE ENERGY, LLC           |                         |                            |              | <b>ELEVATION</b>                       |  |
| <b>LEASE :</b> VASQUEZ                              |                         | <b>WELL # :</b> 1 - 6      |              | <b>KB:</b> 2458                        |  |
| <b>LOCATION :</b> 770' FSL & 1010'FWL               |                         |                            |              | <b>GL:</b> 2453                        |  |
| <b>SEC :</b> 06                                     |                         | <b>TWP :</b> 13 S          |              | <b>RGE :</b> 23 W                      |  |
| <b>COUNTY :</b> TREGO                               |                         | <b>STATE :</b> KANSAS      |              | <b>MEASUREMENTS FROM:</b><br><b>KB</b> |  |
| <b>CONTRACTOR:</b> MURFIN RIG # 16                  |                         |                            |              | <b>CASING RECORD:</b>                  |  |
| <b>COMM:</b> 08/08/2022                             |                         | <b>COMP:</b> 08/16/2022    |              | <b>SURFACE:</b>                        |  |
| <b>RTD:</b> 4400                                    |                         | <b>LTD:</b> 4400           |              | <b>8 5/8" @ 218'</b>                   |  |
| <b>GEOLOGICAL SUPERVISION FROM:</b> 3600            |                         | <b>TO: RTD</b>             |              | <b>PRODUCTION:</b>                     |  |
| <b>SAMPLES SAVED FROM:</b> 3600                     |                         | <b>TO: RTD</b>             |              | <b>NONE</b>                            |  |
| <b>FORMATION:</b>                                   | <b>LOG</b><br>TOP DATUM | <b>SAMPLE</b><br>TOP DATUM | <b>COMP.</b> |                                        |  |
| .                                                   | .                       | .                          | .            |                                        |  |
| HEEBNER                                             | 3750 - 1292             | 3750 - 1292                | + 15         |                                        |  |
| LANSING                                             | 3786 - 1328             | 3786 - 1328                | + 15         |                                        |  |
| BASE/KC                                             | 4044 - 1586             | 4044 - 1586                | + 15         |                                        |  |
| CHEROKEE                                            | 4258 - 1800             | 4258 - 1800                | + 21         |                                        |  |
| MISSISSIPPI                                         | 4348 - 1890             | 4348 - 1890                | + 05         |                                        |  |
| .                                                   | .                       | .                          | .            |                                        |  |
| .                                                   | .                       | .                          | .            |                                        |  |
| .                                                   | .                       | .                          | .            |                                        |  |
| <b>REFERENCE WELL FOR STRUCTURAL COMPARISON:</b>    |                         |                            |              |                                        |  |
| <b>WBCO # 2-7 DELANEY 7-13S-23W TREGO COUNTY KS</b> |                         |                            |              |                                        |  |
| <b>WELL # 1-6</b>                                   |                         |                            |              |                                        |  |
| <b>WELL # 1-6</b>                                   |                         |                            |              |                                        |  |
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| <b>WELL # 1-6</b>                                   |                         |                            |              |                                        |  |
| <b>WELL # 1-6</b>                                   |                         |                            |              |                                        |  |
| <b>WELL # 1</b>                                     |                         |                            |              |                                        |  |



COMMENTS :

DUE TO LACK OF SHOWS AND NEGATIVE DST RESULTS

THIS WELL WAS PLUGGED AND ABANDONED

KEVIN L. KESSLER



## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10201 W Central Suite 2  
Wichita, KS 67212

ATTN: Kevin Kessler

**Vasquez #1-6**

**6-13s-23w Trego,KS**

Start Date: 2022.08.14 @ 13:30:00

End Date: 2022.08.14 @ 20:42:15

Job Ticket #: 69763                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.18 @ 08:50:37



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69763

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2022.08.14 @ 13:30:00

### GENERAL INFORMATION:

Formation: **LKC I - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:17:30

Time Test Ended: 20:42:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 75

**Interval: 3945.00 ft (KB) To 4000.00 ft (KB) (TVD)**

Reference Elevations: 2458.00 ft (KB)

Total Depth: 4000.00 ft (KB) (TVD)

2453.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

**Serial #: 8368 Inside**

Press@RunDepth: 28.16 psig @ 3946.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.08.14

End Date:

2022.08.14

Last Calib.: 2022.08.14

Start Time: 13:30:05

End Time:

20:42:14

Time On Btm: 2022.08.14 @ 16:17:15

Time Off Btm: 2022.08.14 @ 18:20:00

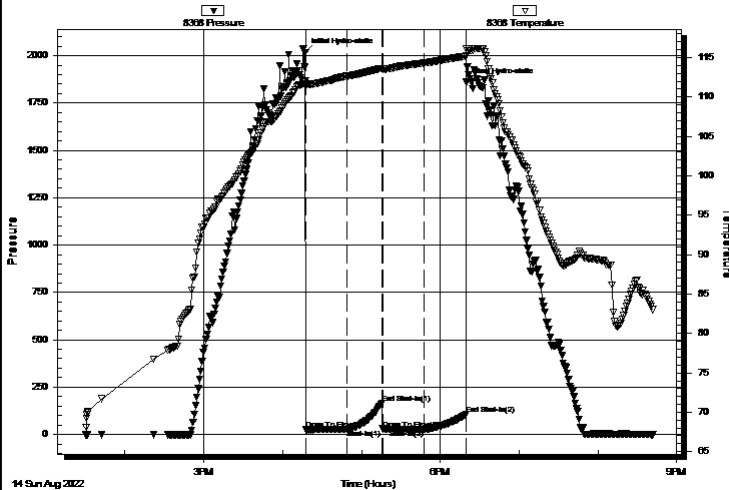
TEST COMMENT: IF-30- Surface blow ,died in 15 min

IS-30-No return

FF-30-No blow

FS-30-No return

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2018.07         | 112.01       | Initial Hydro-static |
| 1           | 24.83           | 111.35       | Open To Flow (1)     |
| 32          | 27.06           | 112.63       | Shut-In(1)           |
| 59          | 164.08          | 113.59       | End Shut-In(1)       |
| 59          | 29.40           | 113.55       | Open To Flow (2)     |
| 91          | 28.16           | 114.32       | Shut-In(2)           |
| 123         | 106.50          | 115.17       | End Shut-In(2)       |
| 123         | 1859.79         | 116.13       | Final Hydro-static   |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | Mud         | 0.02         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69763

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2022.08.14 @ 13:30:00

### GENERAL INFORMATION:

Formation: **LKC I - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:17:30

Time Test Ended: 20:42:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 75

**Interval: 3945.00 ft (KB) To 4000.00 ft (KB) (TVD)**

Total Depth: 4000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2458.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.08.14

End Date:

2022.08.14

Start Time: 13:30:01

End Time:

20:42:45

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

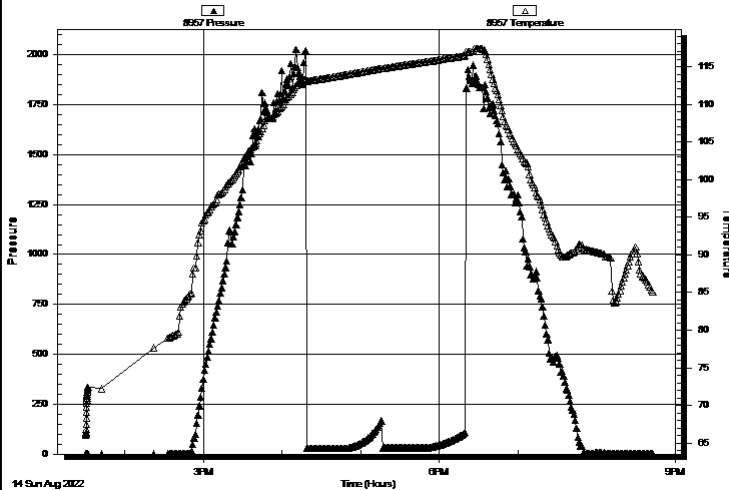
TEST COMMENT: IF-30- Surface blow ,died in 15 min

IS-30-No return

FF-30-No blow

FS-30-No return

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | Mud         | 0.02         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Abercrombie Energy LLC

**6-13s-23w Trego,KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69763

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2022.08.14 @ 13:30:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3904.00 ft | Diameter: | 3.79 inches | Volume:       | 54.48 bbl | Tool Weight:           | 2500.00 lb  |
| Heavy Wt. Pipe:           | Length: | ft         | Diameter: | inches      | Volume:       | - bbl     | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 30.00 ft   | Diameter: | 2.25 inches | Volume:       | 0.15 bbl  | Weight to Pull Loose:  | lb          |
|                           |         |            |           |             | Total Volume: | - bbl     | Tool Chased            | ft          |
| Drill Pipe Above KB:      |         | 20.00 ft   |           |             |               |           | String Weight: Initial | lb          |
| Depth to Top Packer:      |         | 3945.00 ft |           |             |               |           | Final                  | lb          |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 55.00 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 86.00 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.88 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

### Tool Description

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

|                           |              |              |         |                               |
|---------------------------|--------------|--------------|---------|-------------------------------|
| Change Over Sub           | 1.00         |              | 3915.00 |                               |
| Shut In Tool              | 5.00         |              | 3920.00 |                               |
| Hydraulic tool            | 5.00         |              | 3925.00 |                               |
| Jars                      | 5.00         |              | 3930.00 |                               |
| EM Tool                   | 3.00         |              | 3933.00 |                               |
| Safety Joint              | 3.00         |              | 3936.00 |                               |
| Packer                    | 5.00         |              | 3941.00 | 31.00 Bottom Of Top Packer    |
| Packer                    | 4.00         |              | 3945.00 |                               |
| Stubb                     | 1.00         |              | 3946.00 |                               |
| Recorder                  | 0.00         | 8368 Inside  | 3946.00 |                               |
| Recorder                  | 0.00         | 8320 Outside | 3946.00 |                               |
| Perforations              | 5.00         |              | 3951.00 |                               |
| Change Over Sub           | 1.00         |              | 3952.00 |                               |
| Drill Pipe                | 32.00        |              | 3984.00 |                               |
| Change Over Sub           | 1.00         |              | 3985.00 |                               |
| Perforations              | 12.00        |              | 3997.00 |                               |
| Bullnose                  | 3.00         |              | 4000.00 | 55.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>86.00</b> |              |         |                               |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69763

**DST#: 1**

ATTN: Kevin Kessler

Test Start: 2022.08.14 @ 13:30:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 5.00         | Mud         | 0.025         |

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

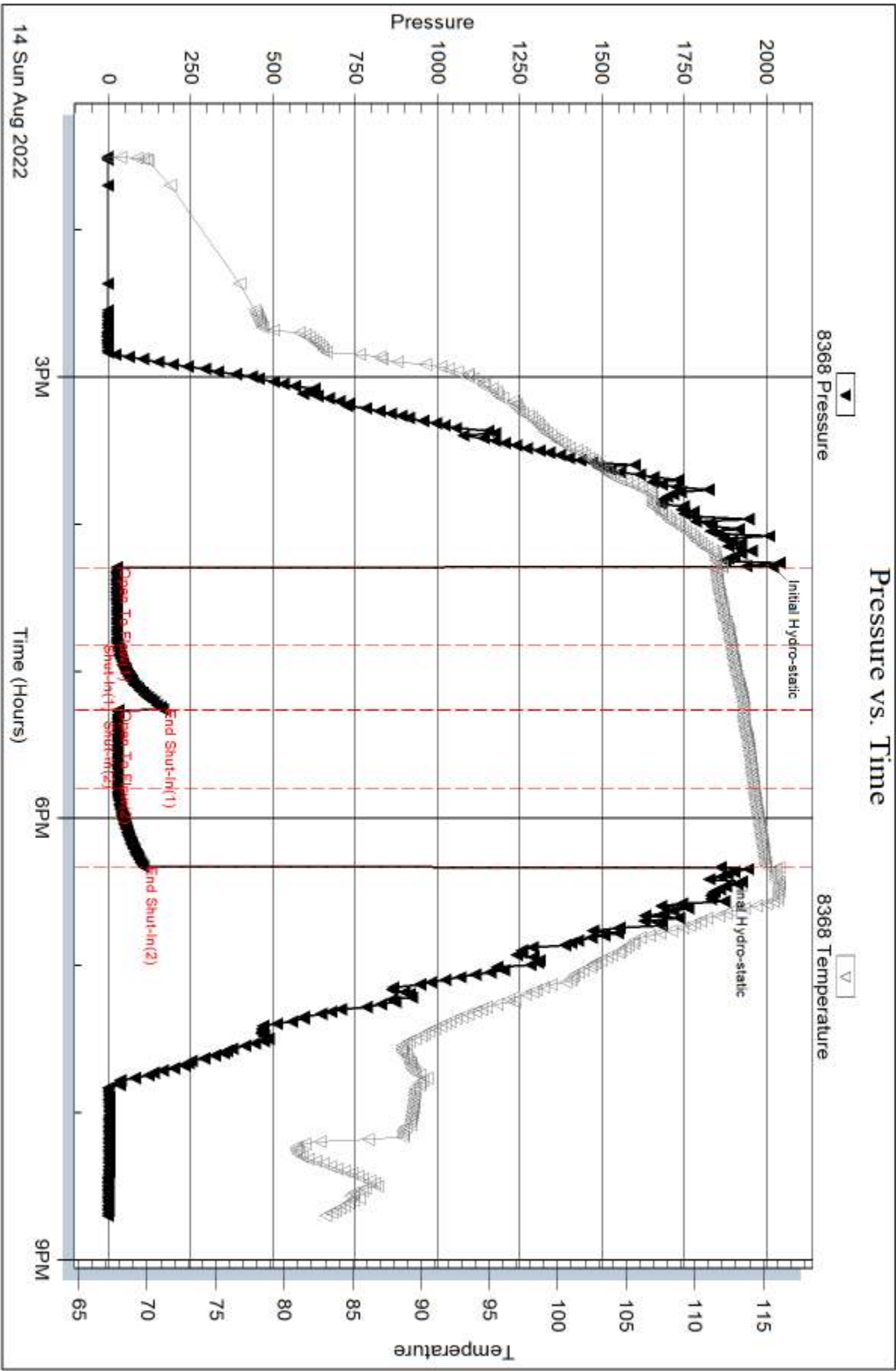
Serial #: 8368

Inside

Abercrombie Energy LLC

Vasquez #1-6

DST Test Number: 1

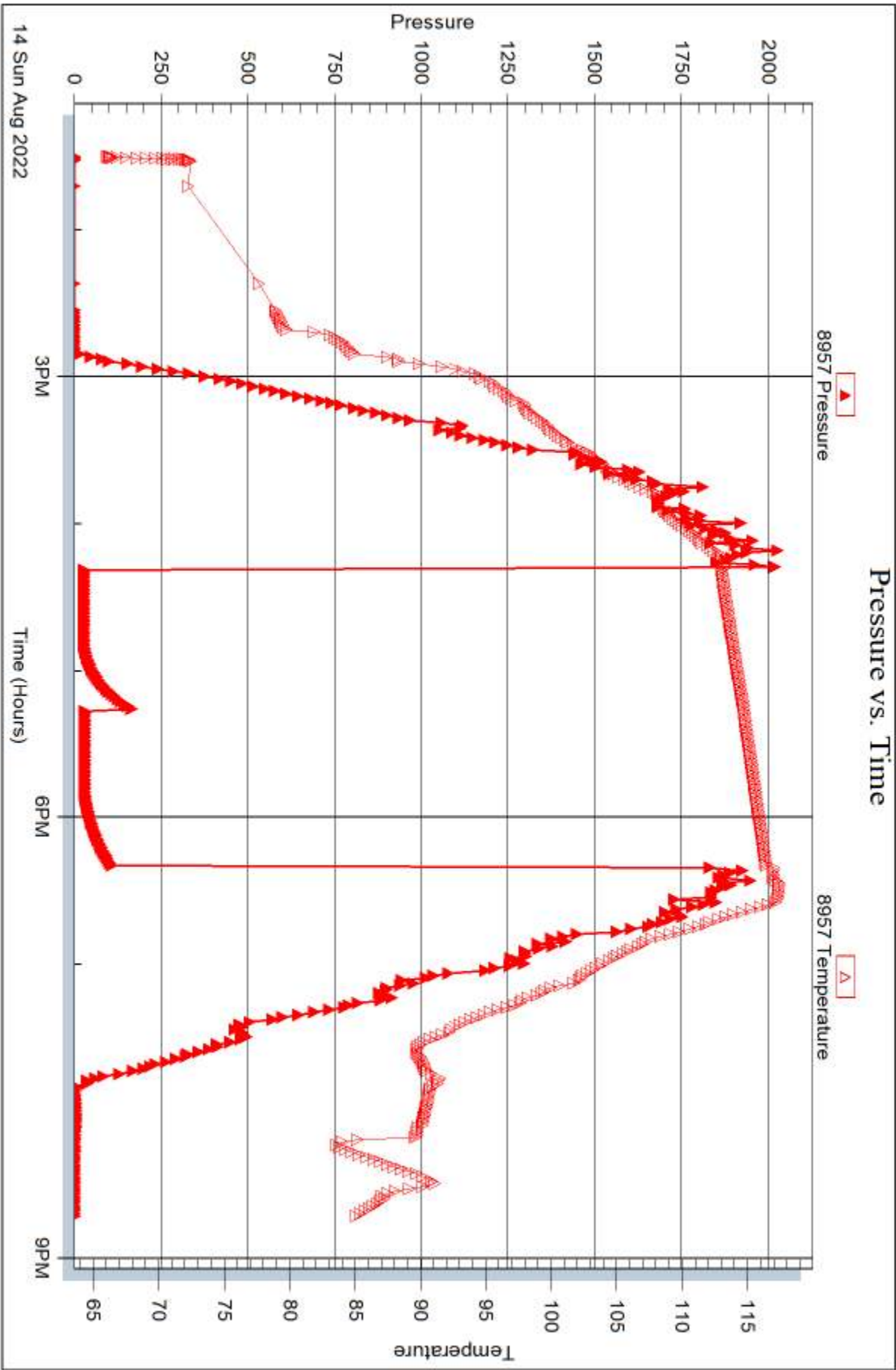


Serial #: 8957

Abercrombie Energy LLC

Vasquez #1-6

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy LLC**

10201 W Central Suite 2  
Wichita, KS 67212

ATTN: Kevin Kessler

**Vasquez #1-6**

**6-13s-23w Trego,KS**

Start Date: 2022.08.15 @ 14:20:00

End Date: 2022.08.15 @ 22:57:45

Job Ticket #: 69764                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.18 @ 08:48:56



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69764

**DST#: 2**

ATTN: Kevin Kessler

Test Start: 2022.08.15 @ 14:20:00

### GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:41:45

Time Test Ended: 22:57:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 75

**Interval: 4255.00 ft (KB) To 4285.00 ft (KB) (TVD)**

Total Depth: 4285.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2458.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8368 Inside**

Press@RunDepth: 26.30 psig @ 4261.00 ft (KB)

Start Date: 2022.08.15

End Date:

2022.08.15

Start Time: 14:20:05

End Time:

22:57:45

Capacity: 8000.00 psig

Last Calib.: 2022.08.15

Time On Btm: 2022.08.15 @ 17:41:30

Time Off Btm: 2022.08.15 @ 20:19:00

TEST COMMENT: IF-30-Surface blow

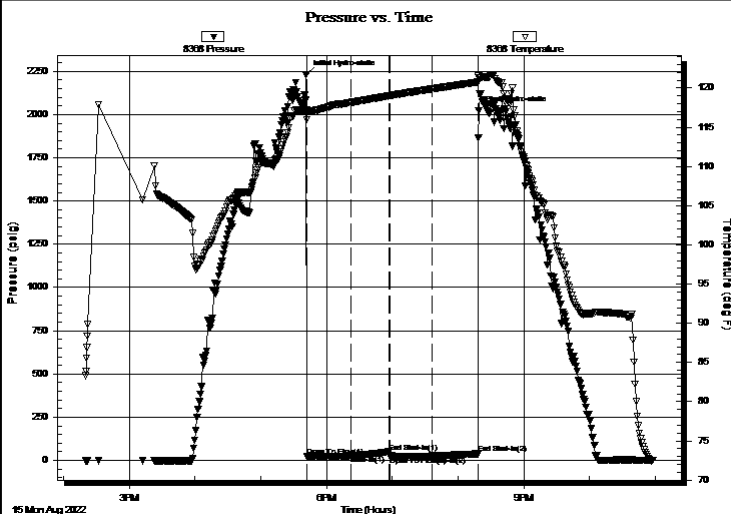
ISI-45-No return

FF-30-No blow

FSI-45-No return

### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2231.92         | 117.17       | Initial Hydro-static |
| 1           | 24.97           | 115.99       | Open To Flow (1)     |
| 41          | 27.01           | 118.15       | Shut-In(1)           |
| 76          | 47.65           | 119.00       | End Shut-In(1)       |
| 76          | 26.67           | 119.01       | Open To Flow (2)     |
| 116         | 26.30           | 119.90       | Shut-In(2)           |
| 157         | 38.65           | 120.75       | End Shut-In(2)       |
| 158         | 2021.03         | 121.31       | Final Hydro-static   |



### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | mud         | 0.02         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69764

**DST#: 2**

ATTN: Kevin Kessler

Test Start: 2022.08.15 @ 14:20:00

### GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:41:45

Time Test Ended: 22:57:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 75

**Interval: 4255.00 ft (KB) To 4285.00 ft (KB) (TVD)**

Total Depth: 4285.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2458.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.08.15

End Date:

2022.08.15

Start Time: 14:20:01

End Time:

22:58:00

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

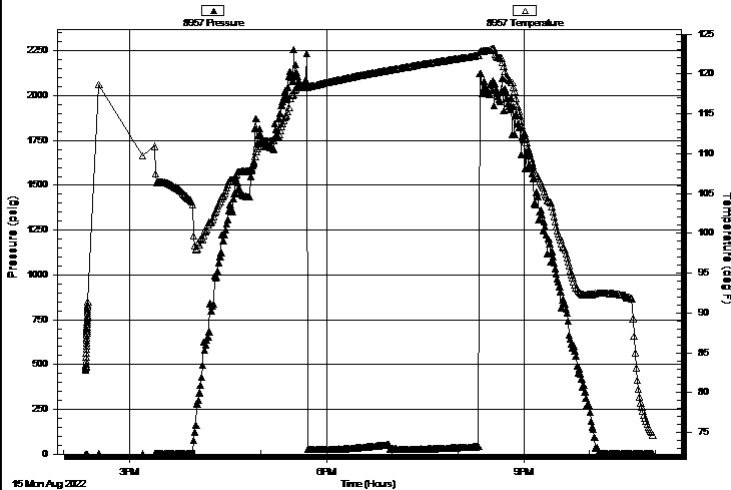
TEST COMMENT: IF-30-Surface blow

ISI-45-No return

FF-30-No blow

FSI-45-No return

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00        | mud         | 0.02         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69764

**DST#: 2**

ATTN: Kevin Kessler

Test Start: 2022.08.15 @ 14:20:00

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4126.00 ft | Diameter: 3.79 inches | Volume: 57.57 bbl | Tool Weight:           | 2500.00 lb  |
| Heavy Wt. Pipe:           | Length: ft         | Diameter: inches      | Volume: - bbl     | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 125.00 ft  | Diameter: 2.25 inches | Volume: 0.61 bbl  | Weight to Pull Loose:  | 100000.0 lb |
|                           |                    | Total Volume:         | - bbl             | Tool Chased            | ft          |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                   | String Weight: Initial | 74000.00 lb |
| Depth to Top Packer:      | 4255.00 ft         |                       |                   | Final                  | 74000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 30.00 ft           |                       |                   |                        |             |
| Tool Length:              | 61.00 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.88 inches       |                        |             |
| Tool Comments:            |                    |                       |                   |                        |             |

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

|                 |       |      |         |         |                               |
|-----------------|-------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00  |      |         | 4225.00 |                               |
| Shut In Tool    | 5.00  |      |         | 4230.00 |                               |
| Hydraulic tool  | 5.00  |      |         | 4235.00 |                               |
| Jars            | 5.00  |      |         | 4240.00 |                               |
| EM Tool         | 3.00  |      |         | 4243.00 |                               |
| Safety Joint    | 3.00  |      |         | 4246.00 |                               |
| Packer          | 5.00  |      |         | 4251.00 | 31.00 Bottom Of Top Packer    |
| Packer          | 4.00  |      |         | 4255.00 |                               |
| Stubb           | 1.00  |      |         | 4256.00 |                               |
| Perforations    | 5.00  |      |         | 4261.00 |                               |
| Recorder        | 0.00  | 8368 | Inside  | 4261.00 |                               |
| Recorder        | 0.00  | 8320 | Outside | 4261.00 |                               |
| Perforations    | 21.00 |      |         | 4282.00 |                               |
| Bullnose        | 3.00  |      |         | 4285.00 | 30.00 Bottom Packers & Anchor |

**Total Tool Length: 61.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Abercrombie Energy LLC

**6-13s-23w Trego, KS**

10201 W Central Suite 2  
Wichita, KS 67212

**Vasquez #1-6**

Job Ticket: 69764

**DST#: 2**

ATTN: Kevin Kessler

Test Start: 2022.08.15 @ 14:20:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 5.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 5.00         | mud         | 0.025         |

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8368

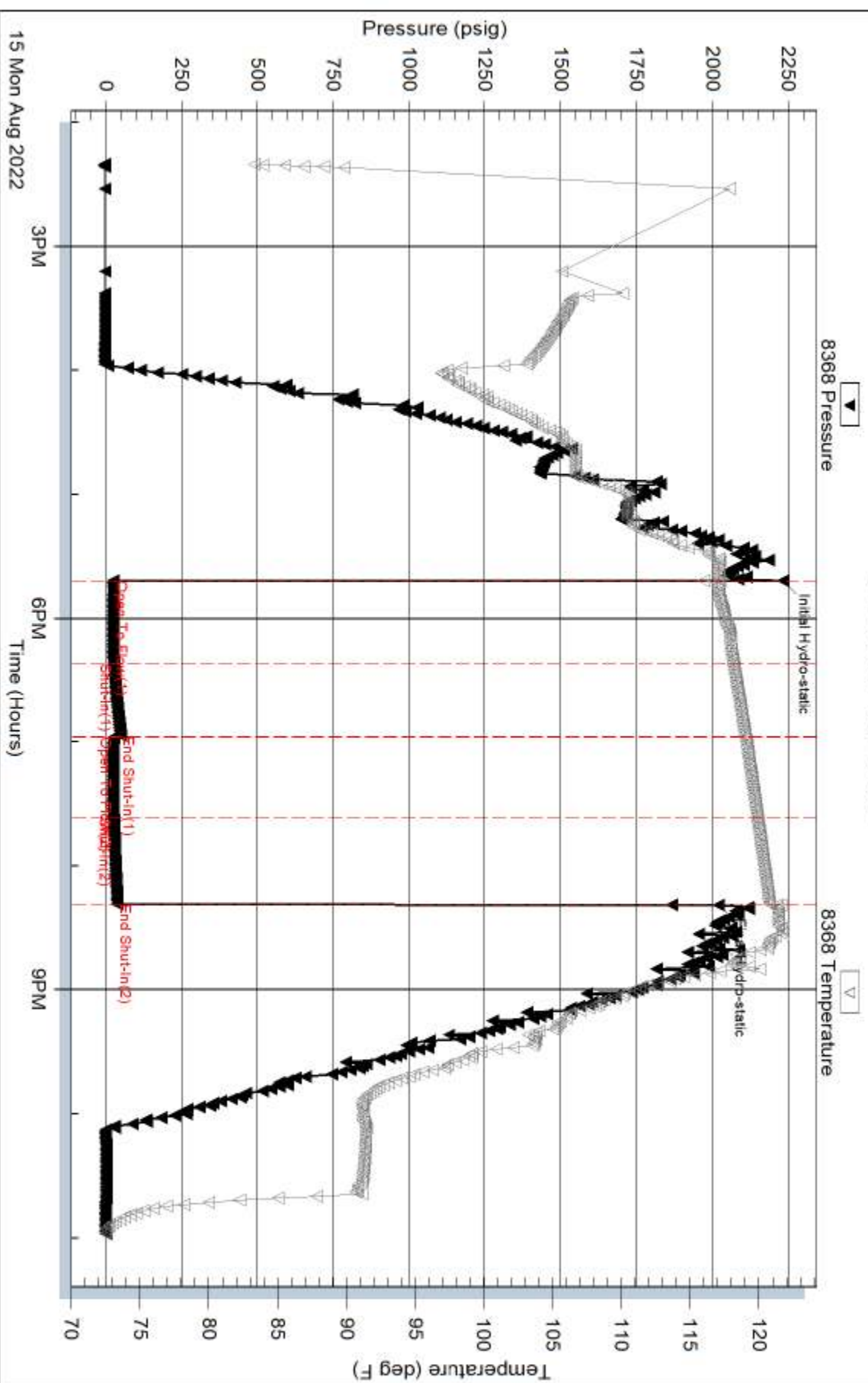
Inside

Abercrombie Energy LLC

Vasquez #1-6

DST Test Number: 2

# Pressure vs. Time

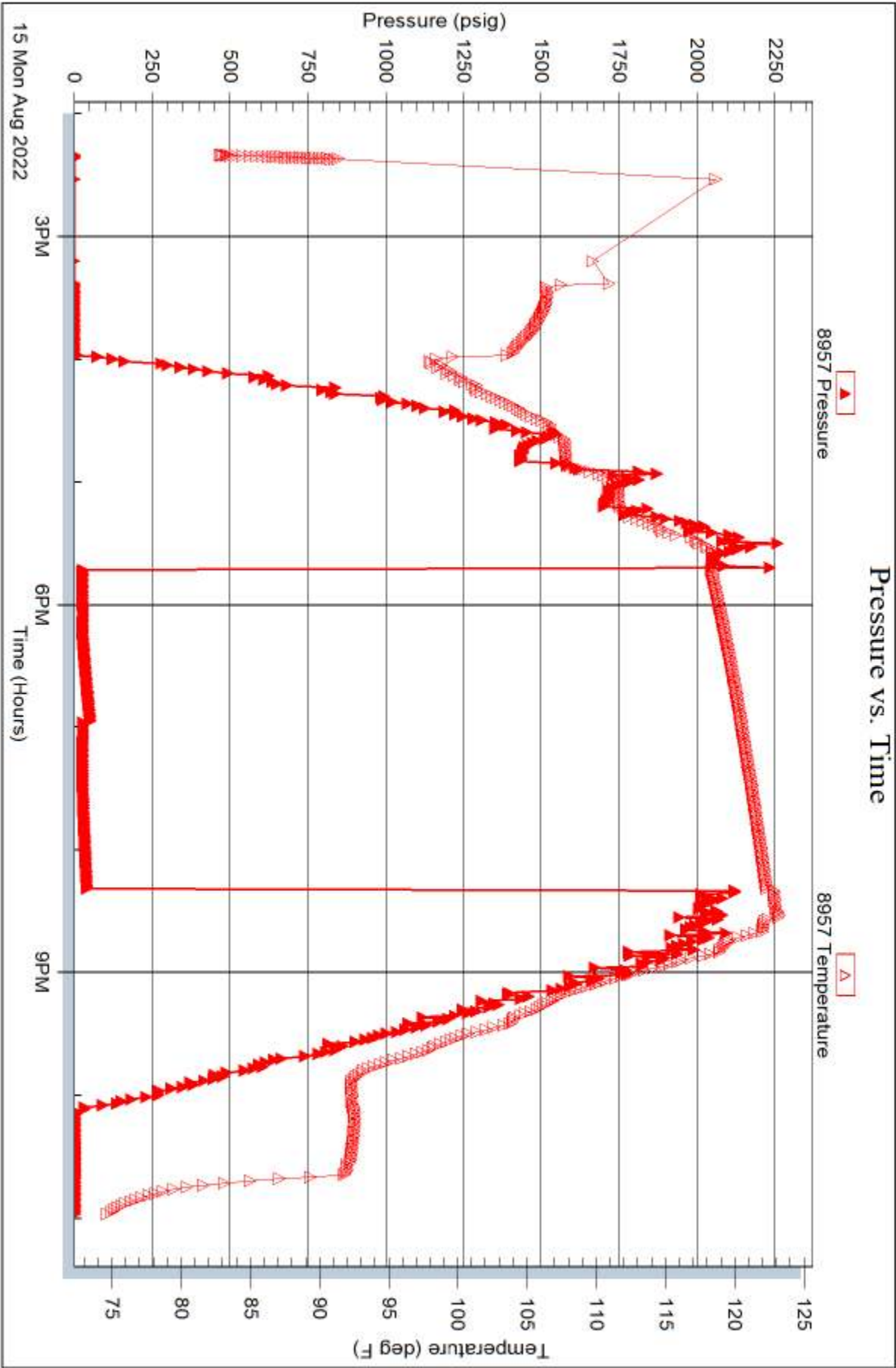


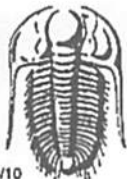
Serial #: 8957

Abercrombie Energy LLC

Vasquez #1-6

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **69763**

Well Name & No. 1-10 Vasquez Test No. 1 Date 8-13-22  
 Company Abercrombie Energy LLC Elevation 2458 KB 2453 GL  
 Address 10201 W Central Wichita, KS 67212  
 Co. Rep / Geo. Kevin Kessler Rig Murphy 10  
 Location: Sec. 10 Twp 13S Rge. 23W Co. Irego State KS

Interval Tested 3945-4000 Zone Tested Lansing I-5  
 Anchor Length 55 Drill Pipe Run 3904 Mud Wt. 8.9  
 Top Packer Depth 3940 Drill Collars Run 30 Vis 57  
 Bottom Packer Depth 3945 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4000 Chlorides 3300 ppm System LCM 3#  
 Blow Description IS-30-Surface Blow, died in 15 min  
ISS-30-No Return  
FS-30-No Blow  
ISS-30-No Return

|              |               |            |            |                   |            |
|--------------|---------------|------------|------------|-------------------|------------|
| Rec <u>5</u> | Feet of _____ | %gas _____ | %oil _____ | %water <u>100</u> | %mud _____ |
| 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 5 BHT 117 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |                                                               |                                                    |
|-------------------------------------|---------------------------------------------------------------|----------------------------------------------------|
| (A) Initial Hydrostatic <u>2018</u> | <input checked="" type="checkbox"/> Test <u>1800</u>          | T-On Location <u>8:30 / 20:30</u>                  |
| (B) First Initial Flow <u>25</u>    | <input checked="" type="checkbox"/> Jars <u>300</u>           | T-Started <u>1:30</u>                              |
| (C) First Final Flow <u>27</u>      | <input checked="" type="checkbox"/> Safety Joint _____        | T-Open <u>4:30</u>                                 |
| (D) Initial Shut-In <u>164</u>      | <input type="checkbox"/> Circ Sub _____                       | T-Pulled <u>6:30</u>                               |
| (E) Second Initial Flow <u>29</u>   | <input type="checkbox"/> Hourly Standby <u>3 1/2 hrs</u> 2.5h | T-Out <u>9:00</u>                                  |
| (F) Second Final Flow <u>28</u>     | <input type="checkbox"/> Mileage <u>34 X2</u> 102 250         | Comments <u>Had to make a short trip</u>           |
| (G) Final Shut-In <u>107</u>        | <input type="checkbox"/> Sampler _____                        |                                                    |
| (H) Final Hydrostatic <u>1459</u>   | <input type="checkbox"/> Straddle _____                       | <input checked="" type="checkbox"/> EM Tool _____  |
| Initial Open <u>30</u>              | <input type="checkbox"/> Shale Packer _____                   | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Shut-In <u>30</u>           | <input type="checkbox"/> Extra Packer _____                   | <input type="checkbox"/> Ruined Packer _____       |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder _____                 | <input type="checkbox"/> Extra Copies _____        |
| Final Shut-In <u>30</u>             | <input type="checkbox"/> Day Standby _____                    | Sub Total <u>0</u>                                 |
|                                     | <input type="checkbox"/> Accessibility _____                  | Total <u>2452</u>                                  |
|                                     | Sub Total <u>2452</u>                                         | MP/DST Disc't _____                                |

Approved By \_\_\_\_\_ Our Representative Terrance Wickham

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. 69764

Well Name & No. #1-6 Vasquez Test No. 2 Date 8-15-22  
 Company Abercrombie Energy LLC Elevation 2458 KB 2453 GL  
 Address 10201 Central Suite #2 Wichita, KS 67212  
 Co. Rep / Geo. Kevin Kessler Rig Murfin 16  
 Location: Sec. 6 Twp 13S Rge. 23W Co. Trego State KS

Interval Tested 4255-4285 Zone Tested Cherokee Sand  
 Anchor Length 30' Drill Pipe Run 4126 Mud Wt. 91  
 Top Packer Depth 4250 Drill Collars Run 125 Vis 64  
 Bottom Packer Depth 4255 Wt. Pipe Run \_\_\_\_\_ WL 6.0  
 Total Depth 4285 Chlorides 6700 ppm System LCM 1#

Blow Description IF-30-Surface Blow  
ISI-45-No Return  
FF-30-No Blow  
FST-45-No Return

| Rec      | Feet of | %gas | %oil | %water    | %mud |
|----------|---------|------|------|-----------|------|
| <u>5</u> |         |      |      | <u>60</u> |      |
|          |         |      |      |           |      |
|          |         |      |      |           |      |
|          |         |      |      |           |      |
|          |         |      |      |           |      |

Rec Total 5 BHT 121 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2232  
 (B) First Initial Flow 25  
 (C) First Final Flow 27  
 (D) Initial Shut-In 48  
 (E) Second Initial Flow 27  
 (F) Second Final Flow 26  
 (G) Final Shut-In 39  
 (H) Final Hydrostatic 2021

☒ Test 1950  
☒ Jars 300  
☒ Safety Joint \_\_\_\_\_  
☐ Circ Sub \_\_\_\_\_  
☐ Hourly Standby 1 1/2 hr 150  
☐ Mileage 34X2 102  
☐ Sampler \_\_\_\_\_  
☐ Straddle \_\_\_\_\_  
☐ Shale Packer \_\_\_\_\_  
☐ Extra Packer \_\_\_\_\_  
☐ Extra Recorder \_\_\_\_\_  
☐ Day Standby \_\_\_\_\_  
☐ Accessibility \_\_\_\_\_  
 Sub Total 2502

T-On Location 11:30 AM  
 T-Started 14:20  
 T-Open 17:40  
 T-Pulled 20:10  
 T-Out 23:00  
 Comments Hole was tight  
Short Tripped.

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45

☒ EM Tool \_\_\_\_\_  
☐ Ruined Shale Packer \_\_\_\_\_  
☐ Ruined Packer \_\_\_\_\_  
☐ Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 2502  
 MP/DST Disc't \_\_\_\_\_

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

Our Representative Terrance Wickham

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property, equipment, or its statements or opinion concerning the results of any test, tools

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 in the hole shall be paid for at cost by the party for whom the test is made.



**HP Oilfield Services, LLC**  
383 Inverness Parkway, Suite 330  
Englewood, CO 80112

# Invoice

| Date      | Invoice # |
|-----------|-----------|
| 8/16/2022 | 27813     |

| Bill To                                                                    |
|----------------------------------------------------------------------------|
| Abercrombie Energy, LLC<br>10209 W. Central, Suite #2<br>Wichita, KS 67212 |

| Lease        |
|--------------|
| Vasquez #1-6 |

RECEIVED  
AUG 22 2022  
WICHITA

| Order by / P.O. No.                                                                                          |         |                   |     |          | Terms                   |
|--------------------------------------------------------------------------------------------------------------|---------|-------------------|-----|----------|-------------------------|
|                                                                                                              |         |                   |     |          | Net 30                  |
| Description                                                                                                  | Unit    | Hrs / Qty         | U/M | Rate     | Amount                  |
| Cement Service for Vasquez #1-6<br>Field Ticket #: 2549 K-C<br>Description: Please see Attached Field Ticket |         |                   |     |          |                         |
| Pump Charge for Cement                                                                                       | CMT-103 | 1                 | ea  | 1,500.00 | 1,500.00                |
| Pumptruck Mileage                                                                                            | CMT-103 | 50                | ea  | 7.15     | 357.50                  |
| Mileage Delivery of Bulk Material - 50 x 10.97 = 548.50 x 1.75 = 959.88                                      | CMT-103 | 548.5             | ea  | 1.75     | 959.88                  |
| Liteweight Blend V                                                                                           | CMT     | 255               | SKS | 16.00    | 4,080.00T               |
| Flo-Seal                                                                                                     | CMT     | 64                | lb  | 3.00     | 192.00T                 |
| Discount - Non-Taxable Items                                                                                 | CMT     | VENDOR NUMBER 1   | ea  | -563.48  | -563.48                 |
| Discount - Taxable Items                                                                                     | CMT     | VOUCHER NUMBER 1  | ea  | -854.40  | -854.40T                |
| Subtotal prior to Sales Taxes                                                                                |         | VERIF OF RECEIPT  |     |          | 5,671.50                |
| KS & Trego County Sales Tax                                                                                  |         | CODE NUMBER       |     | 7.50%    | 256.32                  |
|                                                                                                              |         | AMOUNT            |     |          |                         |
|                                                                                                              |         | VASQU             |     |          |                         |
|                                                                                                              |         | 9384              |     |          |                         |
|                                                                                                              |         | Cement to Plug    |     |          |                         |
|                                                                                                              |         | APPROVAL          |     |          |                         |
|                                                                                                              |         | VERIFIED ACCURACY |     |          |                         |
| Thank you for your business.                                                                                 |         |                   |     |          | <b>Total</b> \$5,927.82 |

785-953-0222

TICKET NUMBER 2549 K-C  
LOCATION Husonton Ks  
FOREMAN Walt Dinkel

## FIELD TICKET & TREATMENT REPORT

|                                     |            |                    |  |                                                    |                 |                 |         |        |
|-------------------------------------|------------|--------------------|--|----------------------------------------------------|-----------------|-----------------|---------|--------|
| DATE                                | CUSTOMER # | WELL NAME & NUMBER |  | SECTION                                            | TOWNSHIP        | RANGE           | COUNTY  |        |
| 8-16-22                             |            | Vasquez #1-B       |  | 6                                                  | 13 <sup>s</sup> | 23 <sup>w</sup> | Trego   |        |
| CUSTOMER<br>Abercrombie Energy, LLC |            |                    |  | Well name<br>South of<br>Red N<br>1 1/2 mi<br>N.S. |                 |                 |         |        |
| MAILING ADDRESS                     |            |                    |  |                                                    | TRUCK #         | DRIVER          | TRUCK # | DRIVER |
|                                     |            |                    |  |                                                    | 10.3            | Cary D          |         |        |
|                                     |            |                    |  |                                                    | 800-850         | Jen E           |         |        |
| CITY                                | STATE      | ZIP CODE           |  |                                                    |                 |                 |         |        |

|               |      |                  |             |              |       |                       |  |
|---------------|------|------------------|-------------|--------------|-------|-----------------------|--|
| JOB TYPE      | PTA  | HOLE SIZE        | 7 7/8       | HOLE DEPTH   | 4400' | CASING SIZE & WEIGHT  |  |
| CASING DEPTH  |      | DRILL PIPE       | 4 1/2" x 16 | TUBING       |       | OTHER                 |  |
| SLURRY WEIGHT | 13.5 | SLURRY VOL       |             | WATER gal/sk |       | CEMENT LEFT in CASING |  |
| DISPLACEMENT  |      | DISPLACEMENT PSI |             | MIX PSI      |       | RATE                  |  |

REMARKS: Safety Meeting, Rig up on murfin #16, Plug as ordered

50 SKs @ 19.50'  
100 SKs @ 1.075'  
50 SKs @ 27.5'  
10 SKs @ 40' - wooden Plug  
30 SKs in B.H.  
1.5 SKs in M.H.

255 SKs <sup>box</sup> 740 por, 2 1/2 gal, 1 1/2 # Flo Seal

Thank You  
Wally Crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE                          | TOTAL                                   |
|--------------|-------------------|------------------------------------|-------------------------------------|-----------------------------------------|
|              | 1                 | PUMP CHARGE                        | 1,500 <sup>00</sup>                 | 1,500 <sup>00</sup>                     |
|              | 50                | MILEAGE                            | 715                                 | 357 <sup>80</sup>                       |
|              | 10.97             | Ton Mileage Delivery               | 125                                 | 959 <sup>88</sup>                       |
|              | 255 S/KS<br>64 #  | Light Weight Blend X<br>Flr Seal   | 16 <sup>00</sup><br>3 <sup>00</sup> | 4080 <sup>00</sup><br>192 <sup>00</sup> |
|              |                   |                                    |                                     | 7,089 <sup>38</sup>                     |
|              |                   | Less 20% Disc.                     | -                                   | 1,417 <sup>88</sup>                     |
|              |                   |                                    |                                     | 5,671 <sup>50</sup>                     |
|              |                   |                                    |                                     |                                         |
|              |                   |                                    |                                     |                                         |
|              |                   |                                    |                                     |                                         |
|              |                   |                                    |                                     |                                         |
|              |                   |                                    |                                     |                                         |
|              |                   |                                    | Sales Tax                           |                                         |
|              |                   |                                    | ESTIMATED TOTAL                     |                                         |

AUTHORIZATION Ag Delval TITLE 17 DATE 8-17

I acknowledge that the payments 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.