



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mar-Lou Oil Co LLC
 PO Box 218
 Wilson KS 67490-0218
 ATTN: Roger Fisher

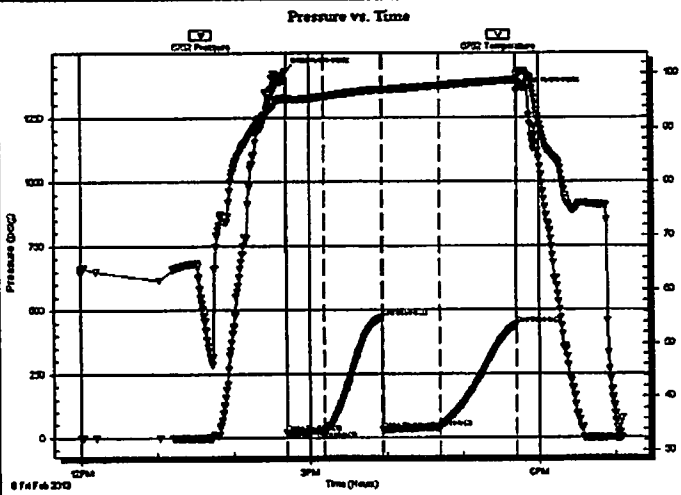
32 14s 13w Russell,KS
 Resley #3-32
 Job Ticket: 50319 DST#: 1
 Test Start: 2013.02.08 @ 12:00:00

GENERAL INFORMATION:

| | |
|--|---|
| Formation: LKC " B-C " | Test Type: Conventional Bottom Hole (Initial) |
| Deviated: No Whipstock: ft (KB) | Tester: Jim Svaty |
| Time Tool Opened: 14:41:30 | Unit No: 41 |
| Time Test Ended: 19:05:00 | Reference Elevations: 1709.00 ft (KB) |
| Interval: 2858.00 ft (KB) To 2900.00 ft (KB) (TVD) | 1703.00 ft (CF) |
| Total Depth: 2900.00 ft (KB) (TVD) | KB to GR/CF: 6.00 ft |
| Hole Diameter: 7.88 inches | Hole Condition: Fair |

| | |
|--|-------------------------------------|
| Serial #: 6752 Inside | Capacity: 8000.00 psig |
| Press@RunDepth: 38.36 psig @ 2864.00 ft (KB) | Last Calib.: 2013.02.08 |
| Start Date: 2013.02.08 End Date: 2013.02.08 | Time On Btm: 2013.02.08 @ 14:41:20 |
| Start Time: 12:00:01 End Time: 19:05:00 | Time Off Btm: 2013.02.08 @ 17:42:10 |

TEST COMMENT: 30-IFP- BOB in 5 min.
 45-ISIP- Surface Blow Building to 3" in 8 min. Died Back in 14 min.
 45-FFP- BOB in 15 sec.
 60-FSIP- No Blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1427.63 | 95.57 | Initial Hydro-static |
| 1 | 17.68 | 95.15 | Open To Flow (1) |
| 30 | 24.79 | 95.78 | Shut-In(1) |
| 75 | 470.28 | 97.05 | End Shut-In(1) |
| 76 | 29.59 | 96.98 | Open To Flow (2) |
| 121 | 38.36 | 97.75 | Shut-In(2) |
| 181 | 441.70 | 98.74 | End Shut-In(2) |
| 181 | 1348.63 | 98.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 64.00 | GOCM 15%g 2%o 83%w | 0.90 |
| 0.00 | 866 GIP | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mar-Lou Oil Co LLC
PO Box 218
Wilson KS 67490-0218
ATTN: Roger Fisher

32 14s 13w Russell, KS

Resley #3-32

Job Ticket: 50319

DST#: 1

Test Start: 2013.02.08 @ 12:00:00

GENERAL INFORMATION:

Formation: LKC " B-C "
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:41:30
Time Test Ended: 19:05:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 41

Interval: 2858.00 ft (KB) To 2900.00 ft (KB) (TVD)
Total Depth: 2900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1709.00 ft (KB)
1703.00 ft (CF)
KB to GR/CF: 6.00 ft

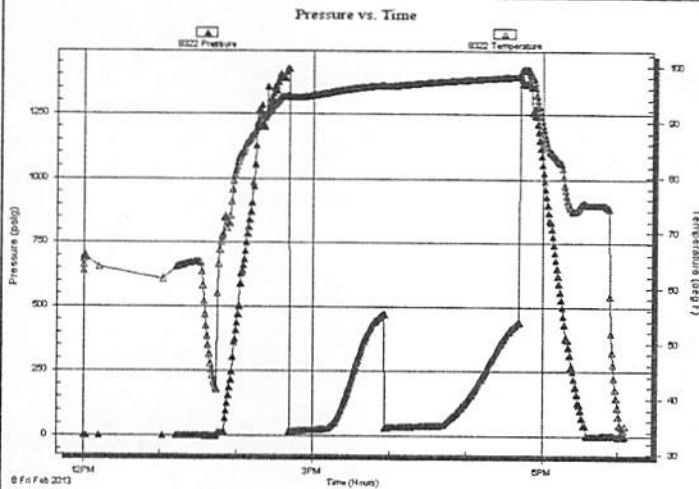
Serial #: 8322

Outside

Press@RunDepth: psig @ 2864.00 ft (KB)
Start Date: 2013.02.08 End Date: 2013.02.08
Start Time: 12:00:01 End Time: 19:05:10

Capacity: 8000.00 psig
Last Calib.: 2013.02.08
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 5 min.
45-ISIP- Surface Blow Building to 3" in 8 min. Died Back in 14 min.
45-FFP- BOB in 15 sec.
60-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 64.00 | GOCM 15%g 2%o 83%m | 0.90 |
| 0.00 | 866 GIP | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mar-Lou Oil Co LLC
PO Box 218
Wilson KS 67490-0218
ATTN: Roger Fisher

32 14s 13w Russell, KS
Resley #3-32
Job Ticket: 50319 DST#: 1
Test Start: 2013.02.08 @ 12:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 2849.00 ft | Diameter: 3.80 inches | Volume: 39.96 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 32000.00 lb |
| | | | Total Volume: 39.96 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.00 ft | | | String Weight: Initial 30000.00 lb |
| Depth to Top Packer: | 2858.00 ft | | | Final 30000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 42.00 ft | | | |
| Tool Length: | 62.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Shut In Tool | 5.00 | | | 2843.00 | |
| Hydraulic tool | 5.00 | | | 2848.00 | |
| Packer | 5.00 | | | 2853.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2858.00 | |
| Stubb | 1.00 | | | 2859.00 | |
| Perforations | 5.00 | | | 2864.00 | |
| Recorder | 0.00 | 6752 | Inside | 2864.00 | |
| Recorder | 0.00 | 8322 | Outside | 2864.00 | |
| Change Over Sub | 1.00 | | | 2865.00 | |
| Blank Spacing | 31.00 | | | 2896.00 | |
| Change Over Sub | 1.00 | | | 2897.00 | |
| Bullnose | 3.00 | | | 2900.00 | 42.00 Bottom Packers & Anchor |

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mar-Lou Oil Co LLC
PO Box 218
Wilson KS 67490-0218
ATTN: Roger Fisher

32 14s 13w Russell, KS
Resley #3-32
Job Ticket: 50319 **DST#: 1**
Test Start: 2013.02.08 @ 12:00:00

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: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 4500.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 64.00 | GOCM 15%g 2%o 83%m | 0.898 |
| 0.00 | 866 GIP | 0.000 |

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:

Serial #: 6752

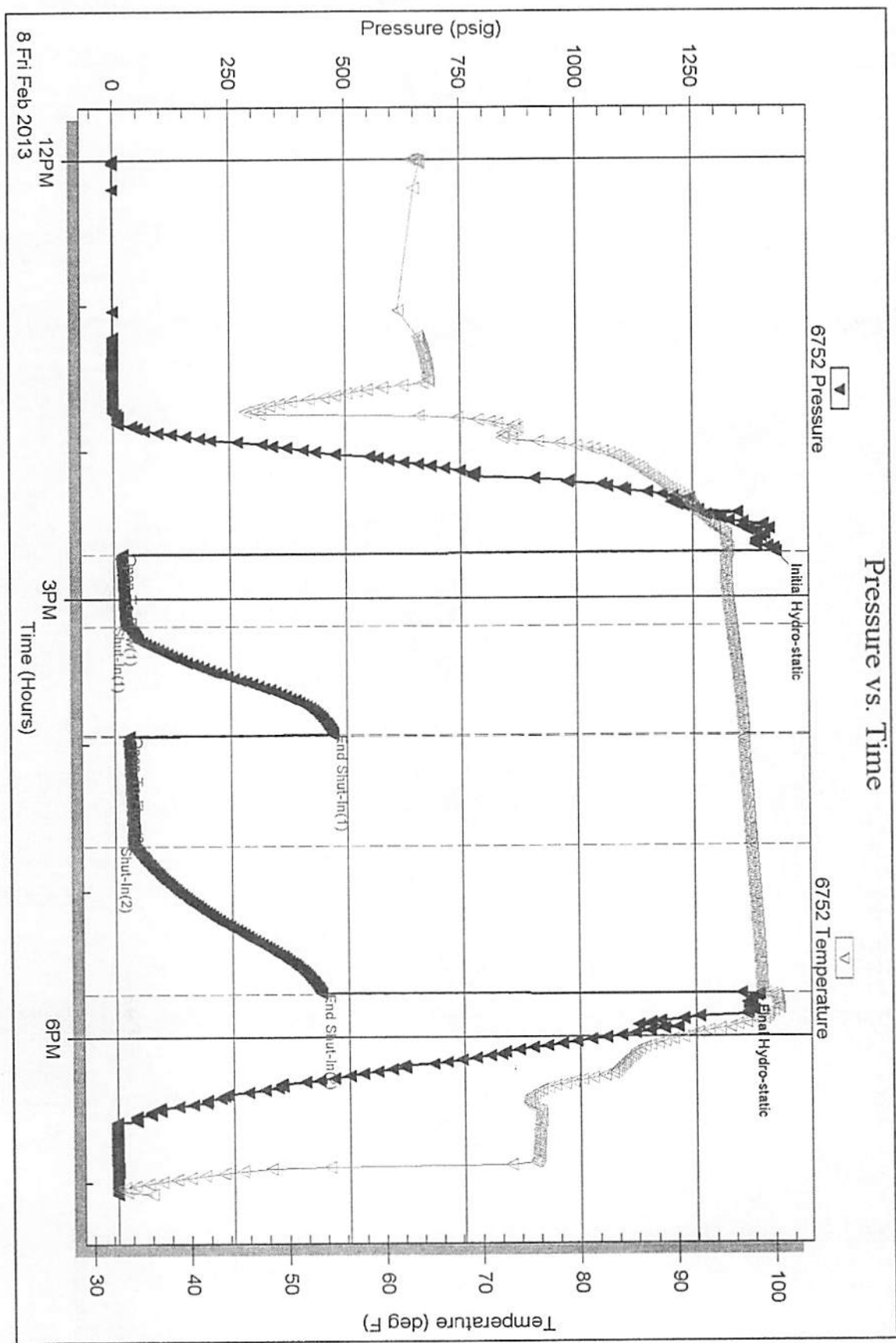
Inside

Mar-Lou Oil Co LLC

Resley #3-32

DST Test Number: 1

Pressure vs. Time



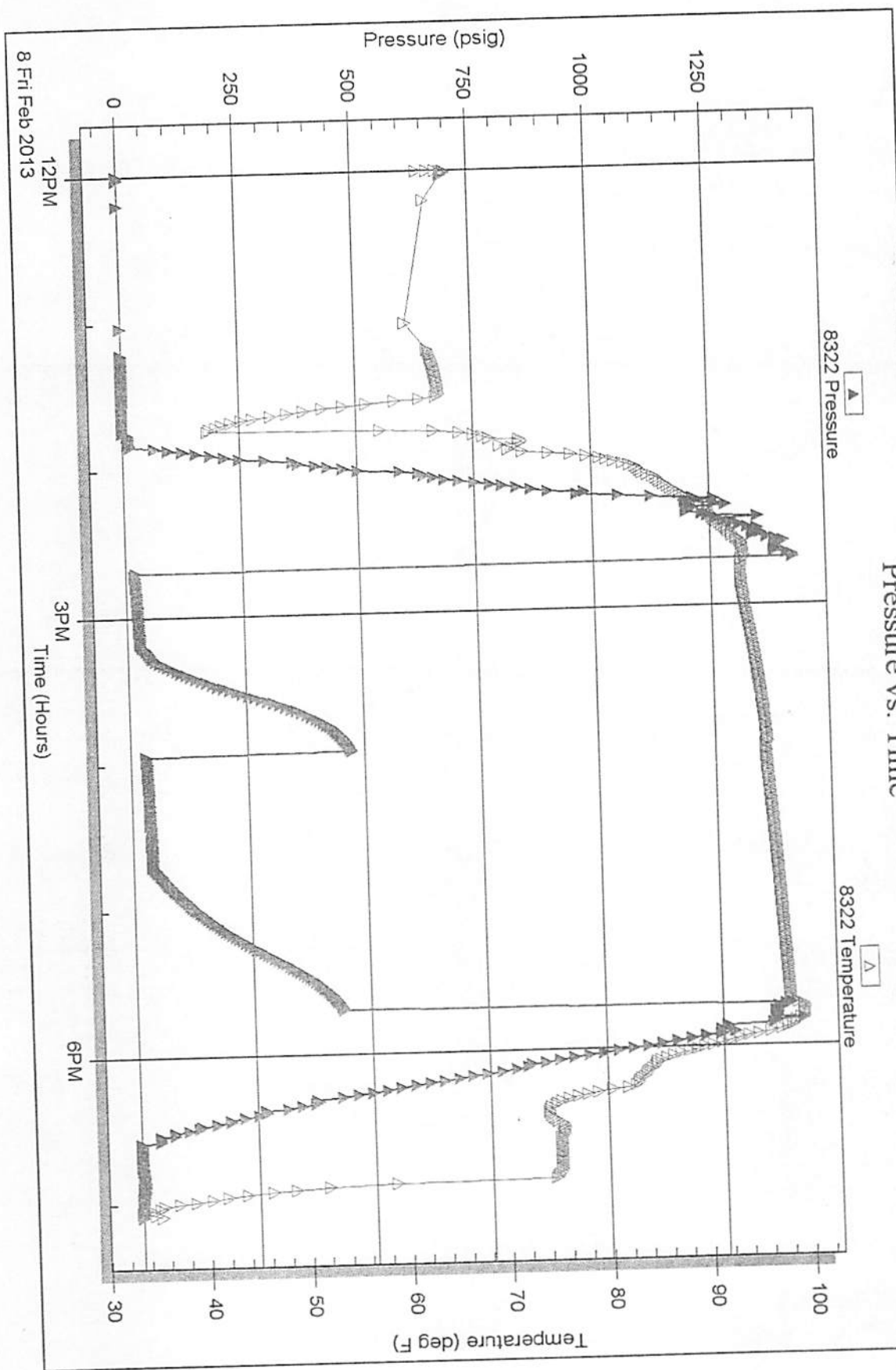
Serial #: 8322

Outside Mar-Lou Oil Co LLC

Resley #3-32

DST Test Number: 1

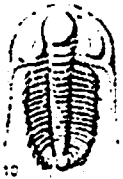
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50319

Printed: 2013.02.12 @ 10:51:55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50319

Well Name & No. Resley #3-32 Test No. 1 Date 2-7-13
 Company Mar-Low Oil Co. LLC Elevation 1709 KB 1703 GL
 Address P.O. Box 218 Wilson Ks. 67490-0218
 Co. Rep / Geo. Roger Fisher Rig Royal #2
 Location: Sec. 32 Twp. 14 S Rge. 13 W Co. Bussell State Ks

Interval Tested 2858-2900 Zone Tested LKC "B+C"
 Anchor Length 42' Drill Pipe Run 2849 Mud Wt. 9.0
 Top Packer Depth 2853 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 2858 Wt. Pipe Run 0 WL 7.8
 Total Depth 2900 Chlorides 4500 ppm System LCM Nil

Blow Description I/FP - BOB in 5min
I/SIP - Surface Blow Building to 3 in. in 8min. Dried Back in 14min.
F/FP - BOB in 15sec.
F/SIP - No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|----------------|-----------|----------|-----------|------|
| <u>64</u> | <u>2 OCM</u> | <u>15</u> | <u>2</u> | <u>83</u> | |
| <u>—</u> | <u>866 DIP</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 64 BHT 99 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1427 Test 1150 _____ T-On Location 22:13
 (B) First Initial Flow 17 Jars _____ T-Started 00:00
 (C) First Final Flow 24 Safety Joint _____ T-Open 02:42
 (D) Initial Shut-In 470 Circ Sub _____ T-Pulled 05:42
 (E) Second Initial Flow 29 Hourly Standby _____ T-Out 07:05
 (F) Second Final Flow 38 Mileage 68 RT 105.40 Comments _____
 (G) Final Shut-In 441 Sampler _____
 (H) Final Hydrostatic 1348 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1255.40
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1255.40

Approved By _____

Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged or 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.