



DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc**

PO Box 86
Plainville KS 67663-0086

ATTN: Clayton Erickson

13-10-26 Sheridan,KS

Delbert Walt Trust #13-1

Start Date: 2013.05.11 @ 16:52:00

End Date: 2013.05.11 @ 23:43:00

Job Ticket #: 53621 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.18 @ 09:12:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53621 **DST#: 1**
 Test Start: 2013.05.11 @ 16:52:00

GENERAL INFORMATION:

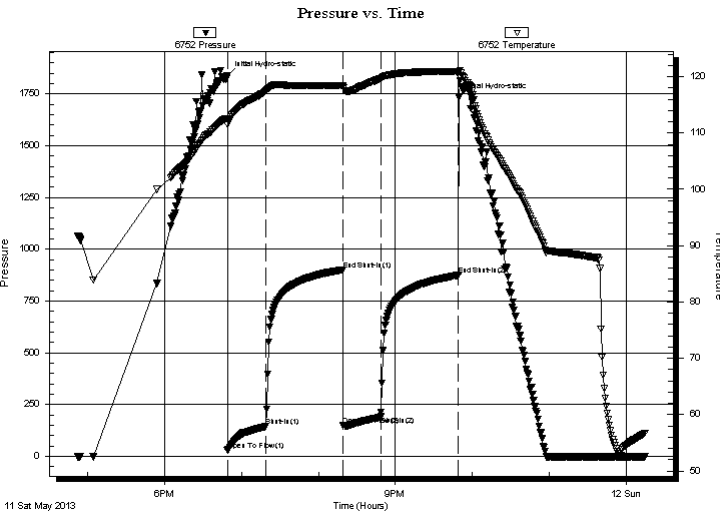
Formation: **Toronto & LKC " A "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:49:00
 Time Test Ended: 23:43:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 41
 Interval: **3785.00 ft (KB) To 3850.00 ft (KB) (TVD)**
 Reference Elevations: 2584.00 ft (KB)
 Total Depth: 3850.00 ft (KB) (TVD) 2573.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

Serial #: 6752

Inside

Press @ RunDepth: 190.99 psig @ 3786.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.11 End Date: 2013.05.12 Last Calib.: 2013.05.11
 Start Time: 16:52:01 End Time: 00:15:00 Time On Btm: 2013.05.11 @ 18:48:50
 Time Off Btm: 2013.05.11 @ 21:49:40

TEST COMMENT: 30-IFP- BOB in 6 1/2 min.
 60-ISIP- Surface Blow Building to 1 1/2 in. in 6 min. Died Back in 18 min.
 30-FFP- BOB in 6 1/2 min.
 60-FSIP- Surface Blow Building to 3 1/4 in. in 13 min. Died Back in 48 min.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1839.74 | 112.58 | Initial Hydro-static |
| 1 | 30.26 | 111.46 | Open To Flow (1) |
| 31 | 144.54 | 117.57 | Shut-In(1) |
| 90 | 900.04 | 118.38 | End Shut-In(1) |
| 91 | 150.93 | 118.24 | Open To Flow (2) |
| 120 | 190.99 | 119.70 | Shut-In(2) |
| 181 | 874.68 | 120.82 | End Shut-In(2) |
| 181 | 1733.47 | 120.92 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 239.00 | GMCO 20%g 20%m 60%o | 1.18 |
| 187.00 | GMCO 20%g 30%m 50%o | 2.62 |
| 50.00 | MCO 45%m 55%o | 0.70 |
| 0.00 | 250 GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



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H & C Oil Operating Inc
 PO Box 86
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 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan, KS
 Job Ticket: 53621 **DST#: 1**
 Test Start: 2013.05.11 @ 16:52:00

GENERAL INFORMATION:

Formation: **Toronto & LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:49:00

Time Test Ended: 23:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

Interval: **3785.00 ft (KB) To 3850.00 ft (KB) (TVD)**

Total Depth: 3850.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2584.00 ft (KB)

2573.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8322 Outside

Press @ RunDepth: psig @ 3786.00 ft (KB)

Start Date: 2013.05.11

End Date: 2013.05.12

Start Time: 16:51:51

End Time: 00:15:00

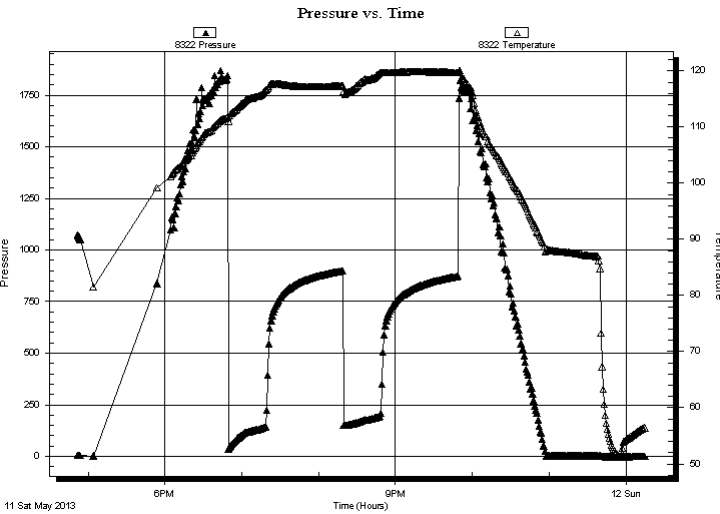
Capacity: 8000.00 psig

Last Calib.: 2013.05.11

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 6 1/2 min.
 60-ISIP- Surface Blow Building to 1 1/2 in. in 6 min. Died Back in 18 min.
 30-FFP- BOB in 6 1/2 min.
 60-FSIP- Surface Blow Building to 3 1/4 in. in 13 min. Died Back in 48 min.



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 239.00 | GMCO 20%g 20%m 60%o | 1.18 |
| 187.00 | GMCO 20%g 30%m 50%o | 2.62 |
| 50.00 | MCO 45%m 55%o | 0.70 |
| 0.00 | 250 GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53621 **DST#: 1**
 Test Start: 2013.05.11 @ 16:52:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3546.00 ft | Diameter: 3.80 inches | Volume: 49.74 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: 239.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 50.92 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 69000.00 lb |
| Depth to Top Packer: | 3785.00 ft | | | Final 73000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 65.00 ft | | | |
| Tool Length: | 92.00 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 | | | 3763.00 | |
| Hydraulic tool | 5.00 | | | 3768.00 | |
| Jars | 5.00 | | | 3773.00 | |
| Safety Joint | 2.00 | | | 3775.00 | |
| Packer | 5.00 | | | 3780.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3785.00 | |
| Stubb | 1.00 | | | 3786.00 | |
| Recorder | 0.00 | 6752 | Inside | 3786.00 | |
| Recorder | 0.00 | 8322 | Outside | 3786.00 | |
| Perforations | 28.00 | | | 3814.00 | |
| Change Over Sub | 1.00 | | | 3815.00 | |
| Blank Spacing | 31.00 | | | 3846.00 | |
| Change Over Sub | 1.00 | | | 3847.00 | |
| Bullnose | 3.00 | | | 3850.00 | 65.00 Bottom Packers & Anchor |

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc

Delbert Walt Trust #13-1

PO Box 86
Plainville KS 67663-0086

13-10-26 Sheridan,KS

Job Ticket: 53621

DST#: 1

ATTN: Clayton Erickson

Test Start: 2013.05.11 @ 16:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------------|----------------|
| 239.00 | GMCO 20%g 20%m 60%o | 1.175 |
| 187.00 | GMCO 20%g 30%m 50%o | 2.623 |
| 50.00 | MCO 45%m 55%o | 0.701 |
| 0.00 | 250 GIP | 0.000 |

Total Length: 476.00 ft

Total Volume: 4.499 bbl

Num Fluid Samples: 0

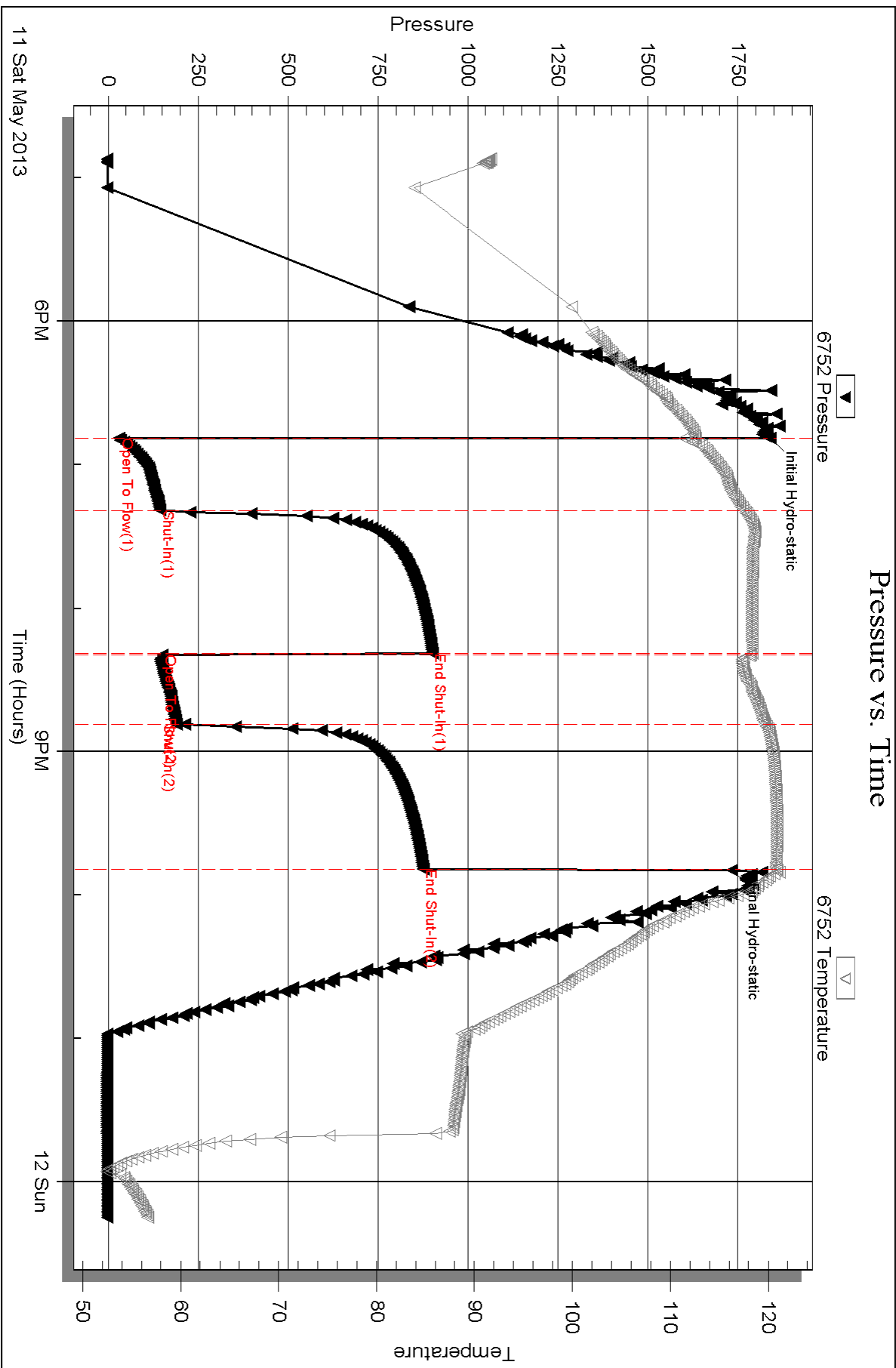
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

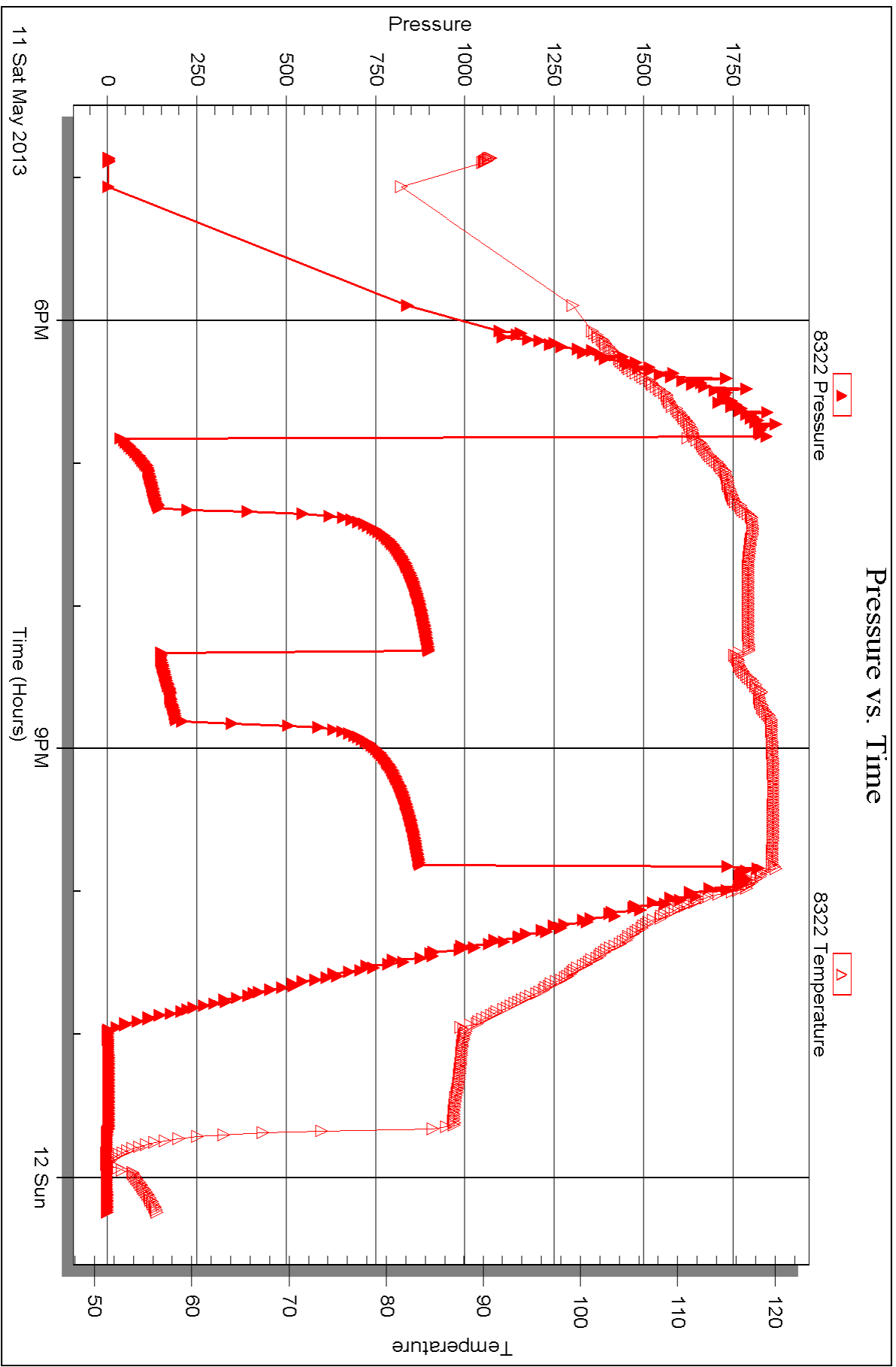


Serial #: 8322

Outside H & C Oil Operating Inc

13-10-26 Sheridan, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc**

PO Box 86
Plainville KS 67663-0086

ATTN: Clayton Erickson

13-10-26 Sheridan,KS

Delbert Walt Trust #13-1

Start Date: 2013.05.12 @ 07:57:00

End Date: 2013.05.12 @ 16:50:00

Job Ticket #: 53622 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.18 @ 09:12:15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53622 **DST#: 2**
 Test Start: 2013.05.12 @ 07:57:00

GENERAL INFORMATION:

Formation: **LKC " C - D "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:51:30
 Time Test Ended: 16:50:00
 Interval: **3844.00 ft (KB) To 3874.00 ft (KB) (TVD)**
 Total Depth: 3874.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 41
 Reference Elevations: 2584.00 ft (KB)
 2573.00 ft (CF)
 KB to GR/CF: 11.00 ft

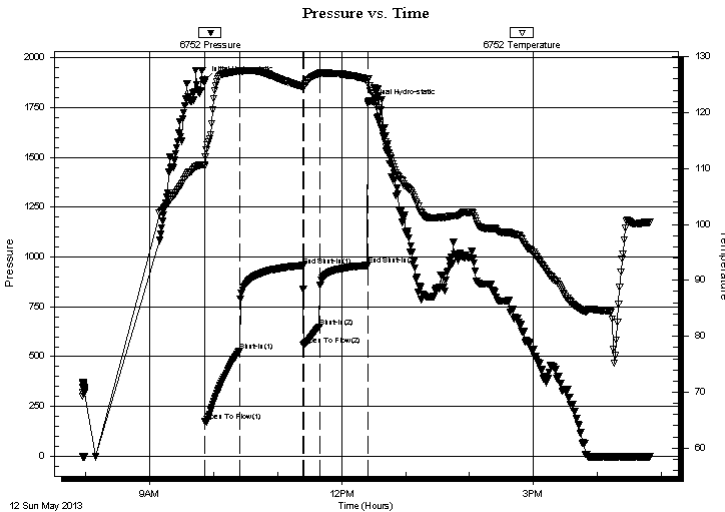
Serial #: 6752

Inside

Press @ RunDepth: 650.63 psig @ 3845.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.12 End Date: 2013.05.12 Last Calib.: 2013.05.12
 Start Time: 07:57:01 End Time: 16:49:30 Time On Btm: 2013.05.12 @ 09:51:10
 Time Off Btm: 2013.05.12 @ 12:24:50

TEST COMMENT: 33-IFP- BOB in 40 sec.
 60-ISIP- BOB in 4 1/2 min. Gas to Surface in 51 min.
 15-FFP- BOB in 1 1/2 min.
 45-FSIP- BOB in 5 1/2 min.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1888.11 | 110.62 | Initial Hydro-static |
| 1 | 174.72 | 110.42 | Open To Flow (1) |
| 33 | 530.61 | 127.36 | Shut-In(1) |
| 93 | 957.90 | 124.62 | End Shut-In(1) |
| 93 | 556.72 | 124.52 | Open To Flow (2) |
| 109 | 650.63 | 126.98 | Shut-In(2) |
| 154 | 958.42 | 125.91 | End Shut-In(2) |
| 154 | 1770.98 | 126.08 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 120.00 | OMCW 2%o 15% m 83% w | 0.59 |
| 1930.00 | GCO 25% g 75% o | 25.99 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53622 **DST#: 2**
 Test Start: 2013.05.12 @ 07:57:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 3609.00 ft | Diameter: 3.80 inches | Volume: 50.62 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: 239.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: | 80000.00 lb |
| | | | <u>Total Volume: 51.80 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial | 72000.00 lb |
| Depth to Top Packer: | 3844.00 ft | | | Final | 77000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 30.00 ft | | | | |
| Tool Length: | 57.00 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 | | | 3822.00 | |
| Hydraulic tool | 5.00 | | | 3827.00 | |
| Jars | 5.00 | | | 3832.00 | |
| Safety Joint | 2.00 | | | 3834.00 | |
| Packer | 5.00 | | | 3839.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3844.00 | |
| Stubb | 1.00 | | | 3845.00 | |
| Recorder | 0.00 | 6752 | Inside | 3845.00 | |
| Recorder | 0.00 | 8322 | Outside | 3845.00 | |
| Perforations | 26.00 | | | 3871.00 | |
| Bullnose | 3.00 | | | 3874.00 | 30.00 Bottom Packers & Anchor |

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc
PO Box 86
Plainville KS 67663-0086
ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
Job Ticket: 53622 **DST#: 2**
Test Start: 2013.05.12 @ 07:57:00

Mud and Cushion Information

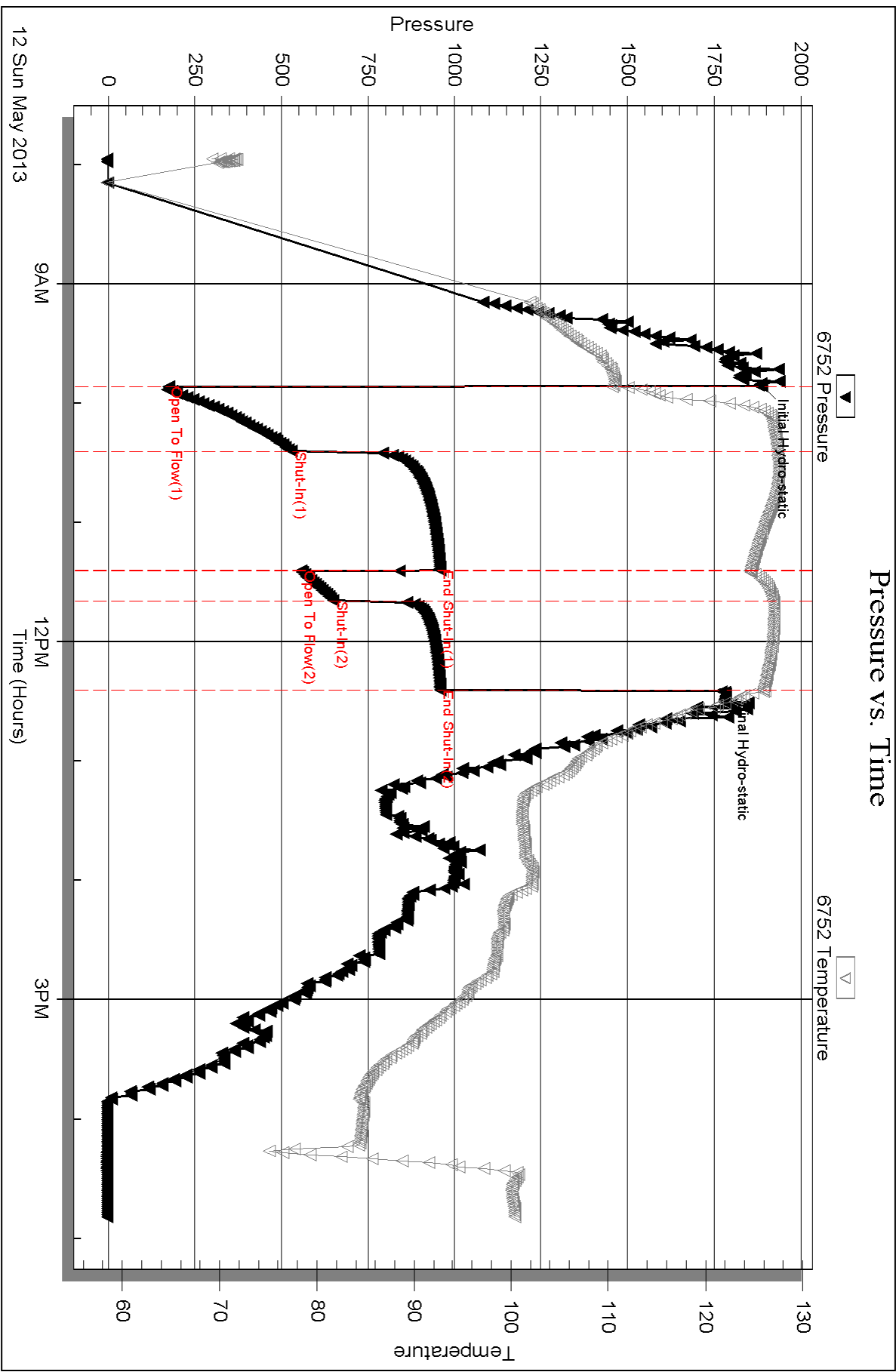
| | | |
|----------------------------------|----------------------------|---------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 31 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 35000 ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.96 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 1000.00 ppm | | |
| Filter Cake: 1.50 inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 120.00 | OMCW 2%o 15%m 83%w | 0.590 |
| 1930.00 | GCO 25%g 75%o | 25.989 |

Total Length: 2050.00 ft Total Volume: 26.579 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .170 @ 83

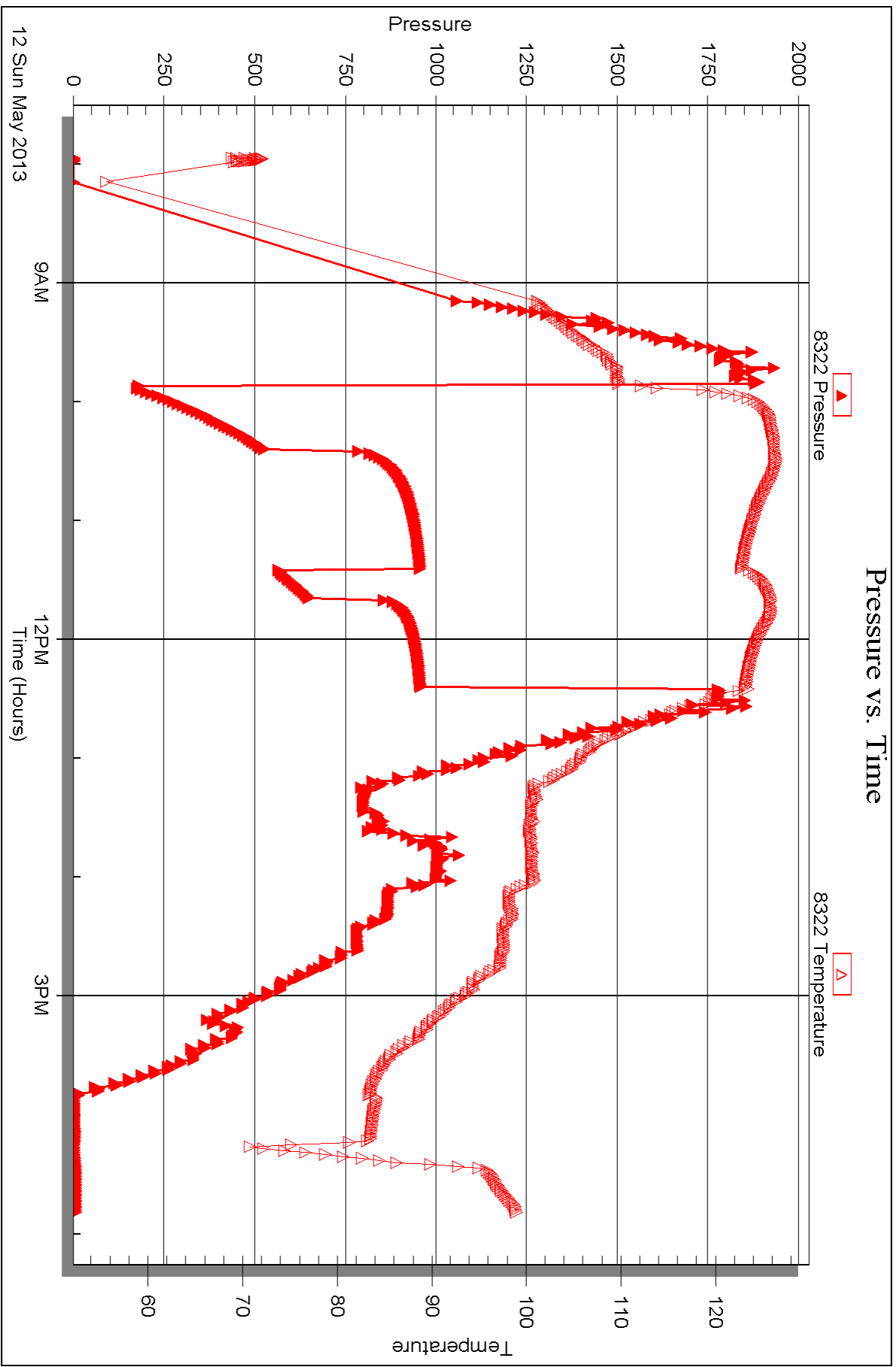


Serial #: 8322

Outside H & C Oil Operating Inc

13-10-26 Sheridan, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc**

PO Box 86
Plainville KS 67663-0086

ATTN: Clayton Erickson

13-10-26 Sheridan,KS

Delbert Walt Trust #13-1

Start Date: 2013.05.13 @ 11:50:00

End Date: 2013.05.13 @ 20:17:00

Job Ticket #: 53623 DST #: 3

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

Printed: 2013.05.18 @ 09:10:48

H & C Oil Operating Inc

Delbert Walt Trust #13-1

13-10-26 Sheridan,KS

DST # 3

LKC " H - J "

2013.05.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53623 **DST#: 3**
 Test Start: 2013.05.13 @ 11:50:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:01:20 Tester: Jim Svaty
 Time Test Ended: 20:17:00 Unit No: 41
 Interval: **3942.00 ft (KB) To 4023.00 ft (KB) (TVD)** Reference Elevations: 2584.00 ft (KB)
 Total Depth: 4023.00 ft (KB) (TVD) 2573.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

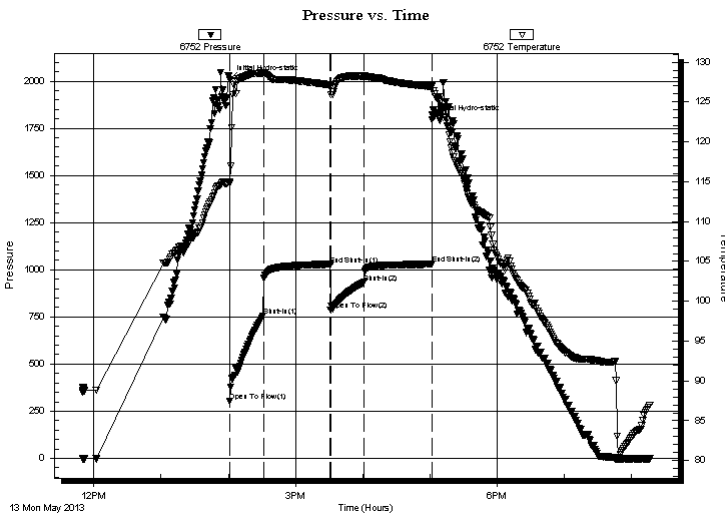
Serial #: 6752

Inside

Press @ RunDepth: 931.66 psig @ 3943.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.13 End Date: 2013.05.13 Last Calib.: 2013.05.13
 Start Time: 11:50:01 End Time: 20:16:20 Time On Btm: 2013.05.13 @ 14:01:00
 Time Off Btm: 2013.05.13 @ 17:01:50

TEST COMMENT: 30-IFP- BOB in 2 min.
 60-ISIP- Surface Blow in 9 min.
 30-FFP- BOB in 2 min.
 60-FSIP- Surface Blow in 1 1/2 min Building to BOB in 47 min.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2006.82 | 114.97 | Initial Hydro-static |
| 1 | 303.60 | 114.81 | Open To Flow (1) |
| 31 | 754.52 | 128.63 | Shut-In(1) |
| 90 | 1027.50 | 127.09 | End Shut-In(1) |
| 91 | 785.13 | 126.79 | Open To Flow (2) |
| 121 | 931.66 | 128.23 | Shut-In(2) |
| 181 | 1029.79 | 126.92 | End Shut-In(2) |
| 181 | 1794.34 | 127.08 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 372.00 | Water 100% | 3.04 |
| 744.00 | Gassy MOCW 40%g 5%m 10%o 45%w | 10.44 |
| 868.00 | Gassy OMCW 10%g 10%o 30%m 50%w | 12.18 |
| 0.00 | 521 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53623 **DST#: 3**
 Test Start: 2013.05.13 @ 11:50:00

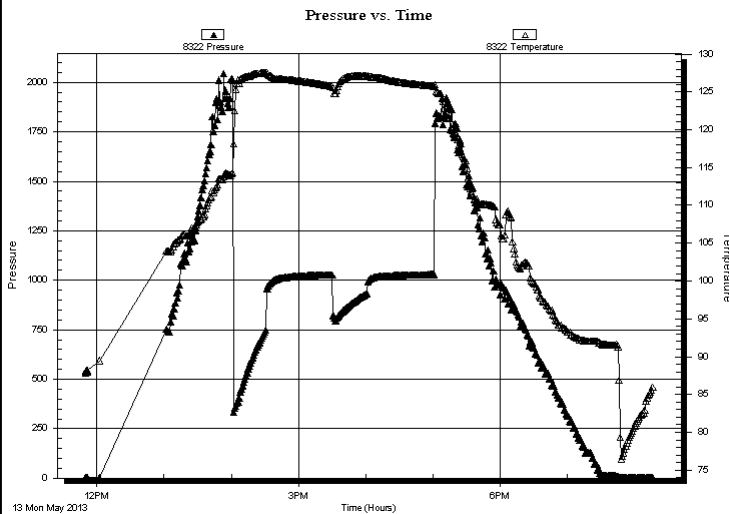
GENERAL INFORMATION:

Formation: **LKC " H - J "**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:01:20 Tester: Jim Svaty
 Time Test Ended: 20:17:00 Unit No: 41
Interval: 3942.00 ft (KB) To 4023.00 ft (KB) (TVD) Reference Elevations: 2584.00 ft (KB)
 Total Depth: 4023.00 ft (KB) (TVD) 2573.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

Serial #: 8322 Outside

Press @ Run Depth: psig @ 3943.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.13 End Date: 2013.05.13 Last Calib.: 2013.05.13
 Start Time: 11:50:01 End Time: 20:16:20 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 2 min.
 60-ISIP- Surface Blow in 9 min.
 30-FFP- BOB in 2 min.
 60-FSIP- Surface Blow in 1 1/2 min Building to BOB in 47 min.



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 372.00 | Water 100% | 3.04 |
| 744.00 | Gassy MOCW 40%g 5%m 10%o 45%w | 10.44 |
| 868.00 | Gassy OMCW 10%g 10%o 30%m 50%w | 12.18 |
| 0.00 | 521 GIP | 0.00 |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc
PO Box 86
Plainville KS 67663-0086
ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
Job Ticket: 53623 **DST#: 3**
Test Start: 2013.05.13 @ 11:50:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3704.00 ft | Diameter: 3.80 inches | Volume: 51.96 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: 239.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: 90000.00 lb |
| | | | <u>Total Volume: 53.14 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 76000.00 lb |
| Depth to Top Packer: | 3942.00 ft | | | Final 88000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 81.00 ft | | | |
| Tool Length: | 108.00 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 | | | 3920.00 | |
| Hydraulic tool | 5.00 | | | 3925.00 | |
| Jars | 5.00 | | | 3930.00 | |
| Safety Joint | 2.00 | | | 3932.00 | |
| Packer | 5.00 | | | 3937.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3942.00 | |
| Stubb | 1.00 | | | 3943.00 | |
| Recorder | 0.00 | 6752 | Inside | 3943.00 | |
| Recorder | 0.00 | 8322 | Outside | 3943.00 | |
| Perforations | 12.00 | | | 3955.00 | |
| Change Over Sub | 1.00 | | | 3956.00 | |
| Blank Spacing | 63.00 | | | 4019.00 | |
| Change Over Sub | 1.00 | | | 4020.00 | |
| Bullnose | 3.00 | | | 4023.00 | 81.00 Bottom Packers & Anchor |

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc
PO Box 86
Plainville KS 67663-0086
ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
Job Ticket: 53623 **DST#: 3**
Test Start: 2013.05.13 @ 11:50:00

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: | 21000 ppm |
| Viscosity: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.77 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1500.00 ppm | | | |
| Filter Cake: 1.50 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------------|---------------|
| 372.00 | Water 100% | 3.041 |
| 744.00 | Gassy MOCW 40%g 5%m 10%o 45%w | 10.436 |
| 868.00 | Gassy OMCW 10%g 10%o 30%m 50%w | 12.176 |
| 0.00 | 521 GIP | 0.000 |

Total Length: 1984.00 ft Total Volume: 25.653 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .232 @ 94

Serial #: 6752

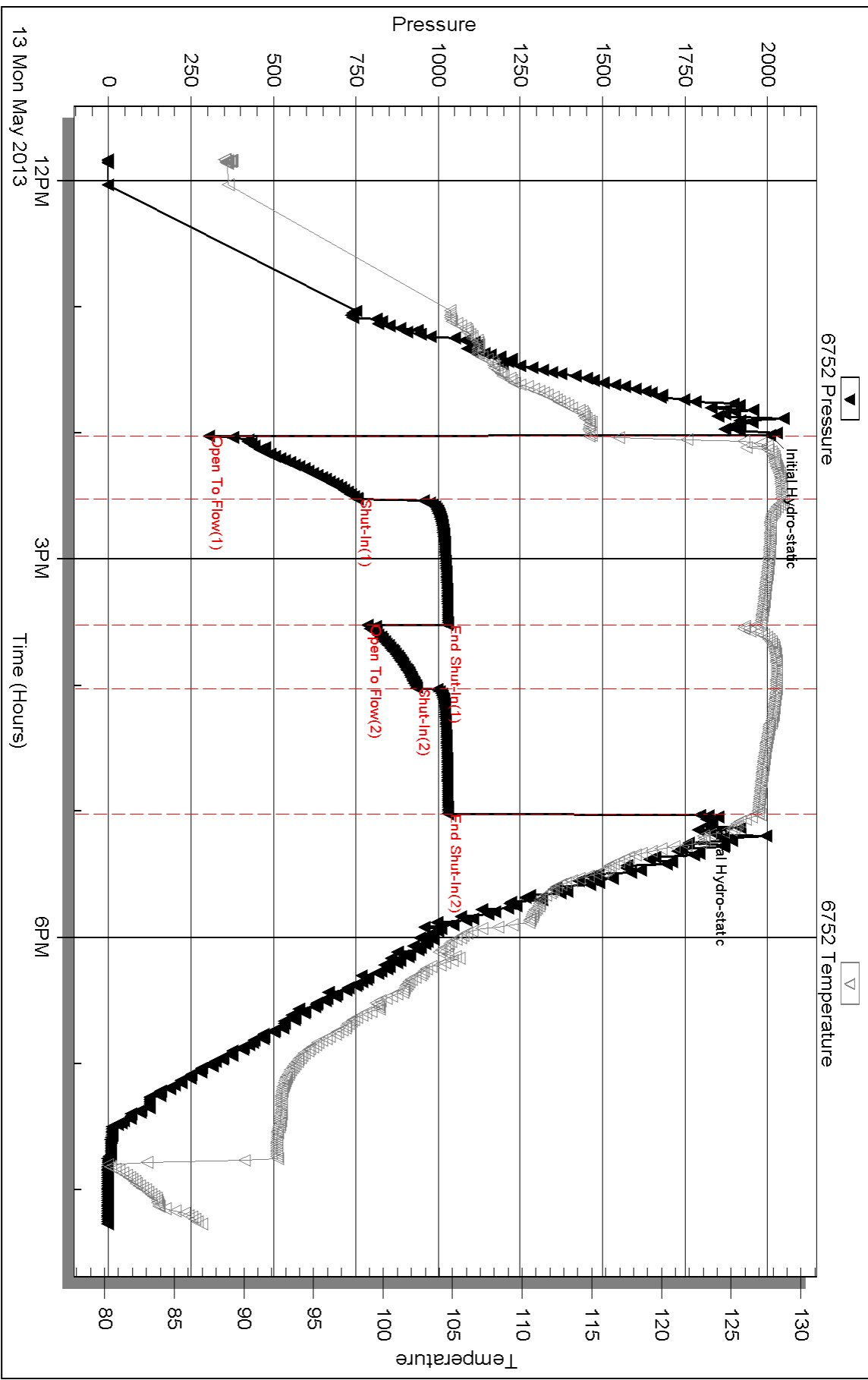
Inside

H & C Oil Operating, Inc

13-10-26 Sheridan, KS

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53623

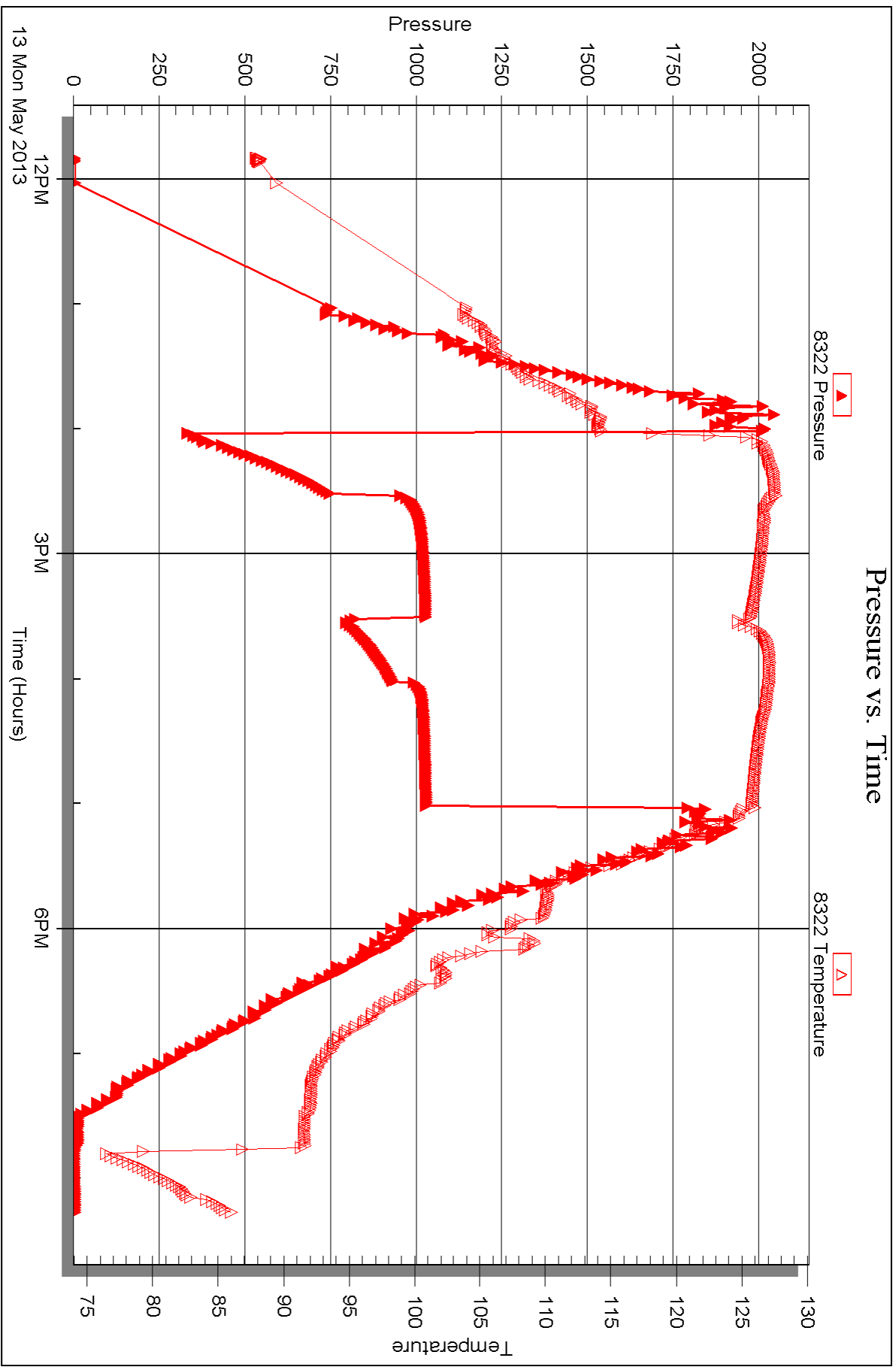
Printed: 2013.05.18 @ 09:10:51

Serial #: 8322

Outside H & C Oil Operating Inc

13-10-26 Sheridan, KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc**

PO Box 86
Plainville KS 67663-0086

ATTN: Clayton Erickson

13-10-26 Sheridan,KS

Delbert Walt Trust #13-1

Start Date: 2013.05.14 @ 02:33:00

End Date: 2013.05.14 @ 09:10:00

Job Ticket #: 53624 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.18 @ 09:10:06

H & C Oil Operating Inc

Delbert Walt Trust #13-1

13-10-26 Sheridan,KS

DST # 4

LKC " K "

2013.05.14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53624 **DST#: 4**
 Test Start: 2013.05.14 @ 02:33:00

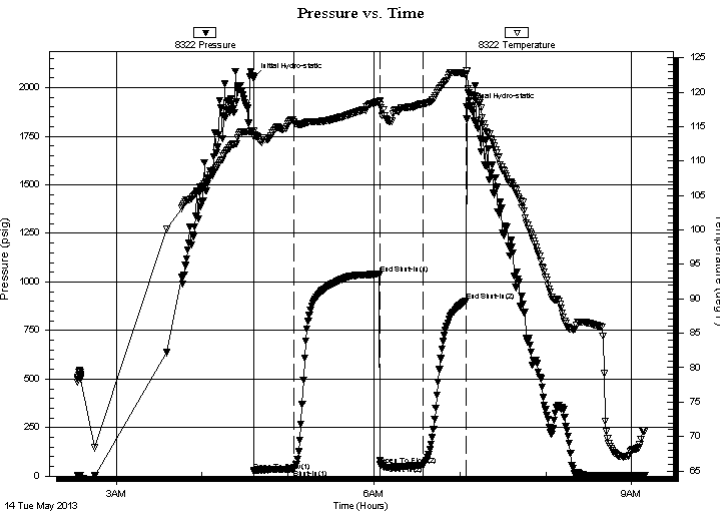
GENERAL INFORMATION:

Formation: **LKC " K "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:36:20
 Time Test Ended: 09:10:00
 Interval: **4019.00 ft (KB) To 4045.00 ft (KB) (TVD)**
 Total Depth: 4045.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 41
 Reference Elevations: 2584.00 ft (KB)
 2573.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8322 Outside

Press @ RunDepth: 55.50 psig @ 4020.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.14 End Date: 2013.05.14 Last Calib.: 2013.05.14
 Start Time: 02:33:01 End Time: 09:09:20 Time On Btm: 2013.05.14 @ 04:36:10
 Time Off Btm: 2013.05.14 @ 07:04:40

TEST COMMENT: 30-IFP- No Blow
 60-ISIP- No Blow
 30-FFP- Very Weak Surface Blow
 30-FSIP- No Blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2054.02 | 114.36 | Initial Hydro-static |
| 1 | 24.90 | 113.57 | Open To Flow (1) |
| 28 | 34.56 | 115.65 | Shut-In(1) |
| 88 | 1040.50 | 118.67 | End Shut-In(1) |
| 89 | 58.36 | 118.77 | Open To Flow (2) |
| 118 | 55.50 | 118.31 | Shut-In(2) |
| 149 | 903.28 | 122.65 | End Shut-In(2) |
| 149 | 1899.14 | 123.09 | Final Hydro-static |

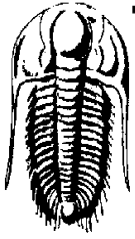
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 67.00 | WCM 50%w 50%m Show of Oil | 0.33 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H & C Oil Operating Inc
PO Box 86
Plainville KS 67663-0086
ATTN: Clayton Erickson

Delbert Walt Trust #13-1

13-10-26 Sheridan, KS

Job Ticket: 53624

DST#: 4

Test Start: 2013.05.14 @ 02:33:00

GENERAL INFORMATION:

Formation: **LKC " K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:36:20

Time Test Ended: 09:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: **4019.00 ft (KB) To 4045.00 ft (KB) (TVD)**

Total Depth: 4045.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2584.00 ft (KB)

2573.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6752 Inside

Press @ Run Depth: psig @ 4020.00 ft (KB)

Start Date: 2013.05.14

End Date: 2013.05.14

Start Time: 02:33:01

End Time: 09:09:20

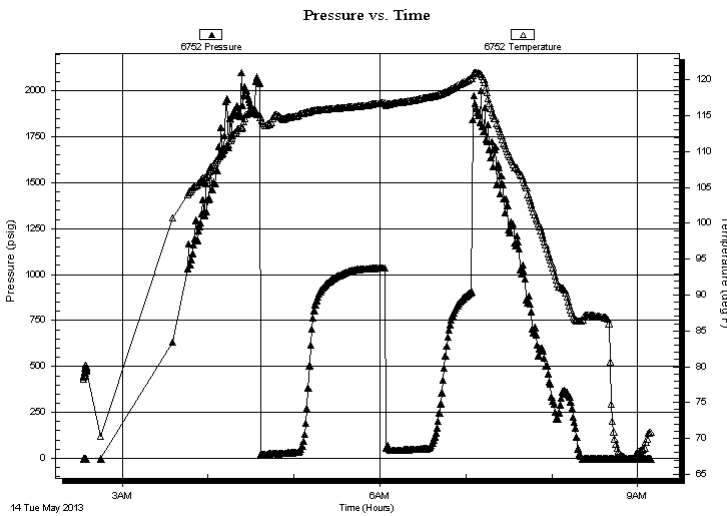
Capacity: 8000.00 psig

Last Calib.: 2013.05.14

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- No Blow
60-ISIP- No Blow
30-FFP- Very Weak Surface Blow
30-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 67.00 | WCM 50%w 50%m Show of Oil | 0.33 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc
 PO Box 86
 Plainville KS 67663-0086
 ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
 Job Ticket: 53624 **DST#: 4**
 Test Start: 2013.05.14 @ 02:33:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3768.00 ft | Diameter: 3.80 inches | Volume: 52.86 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: 239.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 54.04 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 74000.00 lb |
| Depth to Top Packer: | 4019.00 ft | | | Final 74000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 26.00 ft | | | |
| Tool Length: | 53.00 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 | | | 3997.00 | |
| Hydraulic tool | 5.00 | | | 4002.00 | |
| Jars | 5.00 | | | 4007.00 | |
| Safety Joint | 2.00 | | | 4009.00 | |
| Packer | 5.00 | | | 4014.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4019.00 | |
| Stubb | 1.00 | | | 4020.00 | |
| Recorder | 0.00 | 6752 | Inside | 4020.00 | |
| Recorder | 0.00 | 8322 | Outside | 4020.00 | |
| Perforations | 22.00 | | | 4042.00 | |
| Bullnose | 3.00 | | | 4045.00 | 26.00 Bottom Packers & Anchor |

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc
PO Box 86
Plainville KS 67663-0086
ATTN: Clayton Erickson

Delbert Walt Trust #13-1
13-10-26 Sheridan,KS
Job Ticket: 53624 **DST#: 4**
Test Start: 2013.05.14 @ 02:33:00

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: | 31000 ppm |
| Viscosity: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.77 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1500.00 ppm | | | |
| Filter Cake: 1.50 inches | | | |

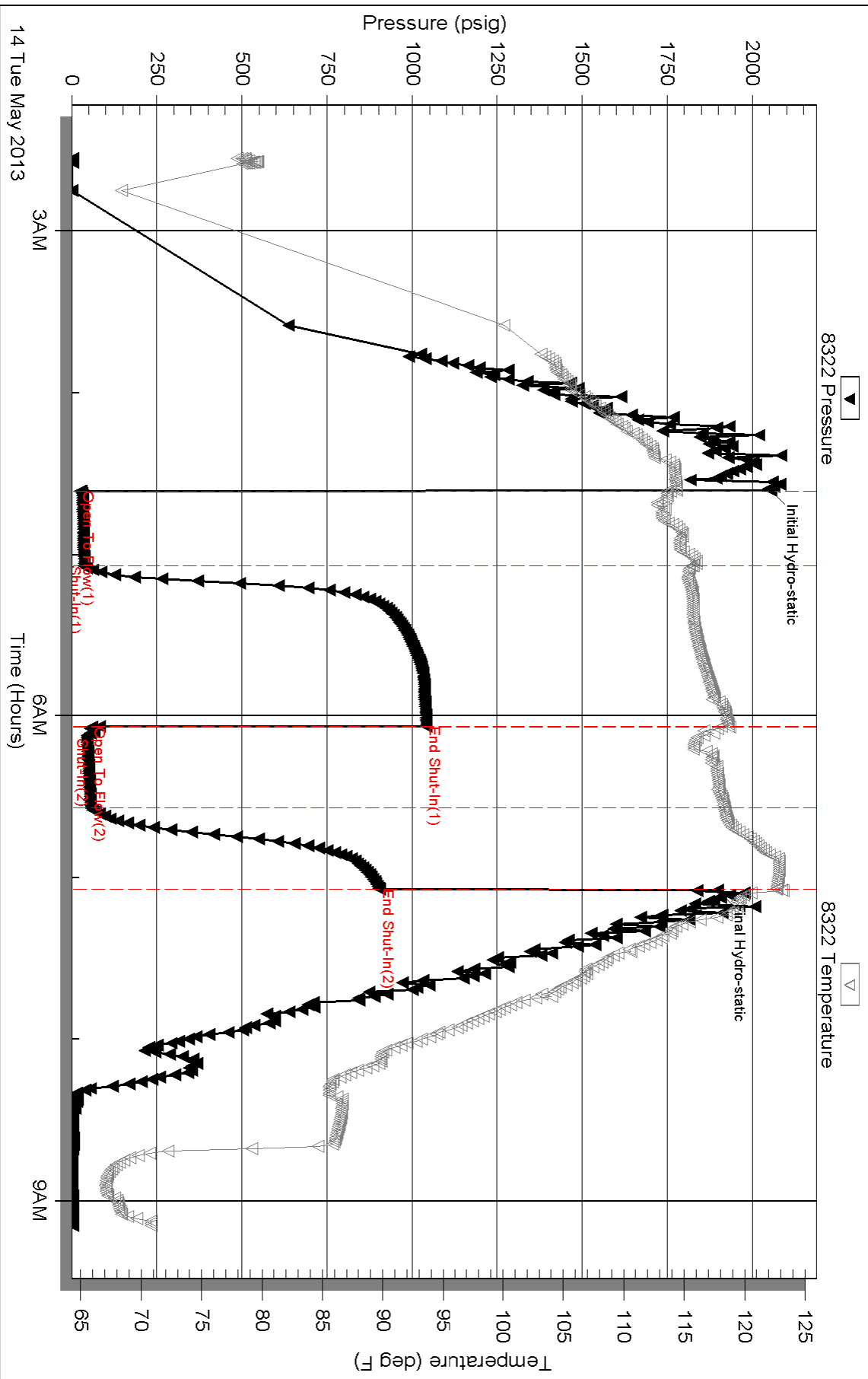
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 67.00 | WCM 50%w 50%m Show of Oil | 0.329 |

Total Length: 67.00 ft Total Volume: 0.329 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .245 @ 64

Pressure vs. Time



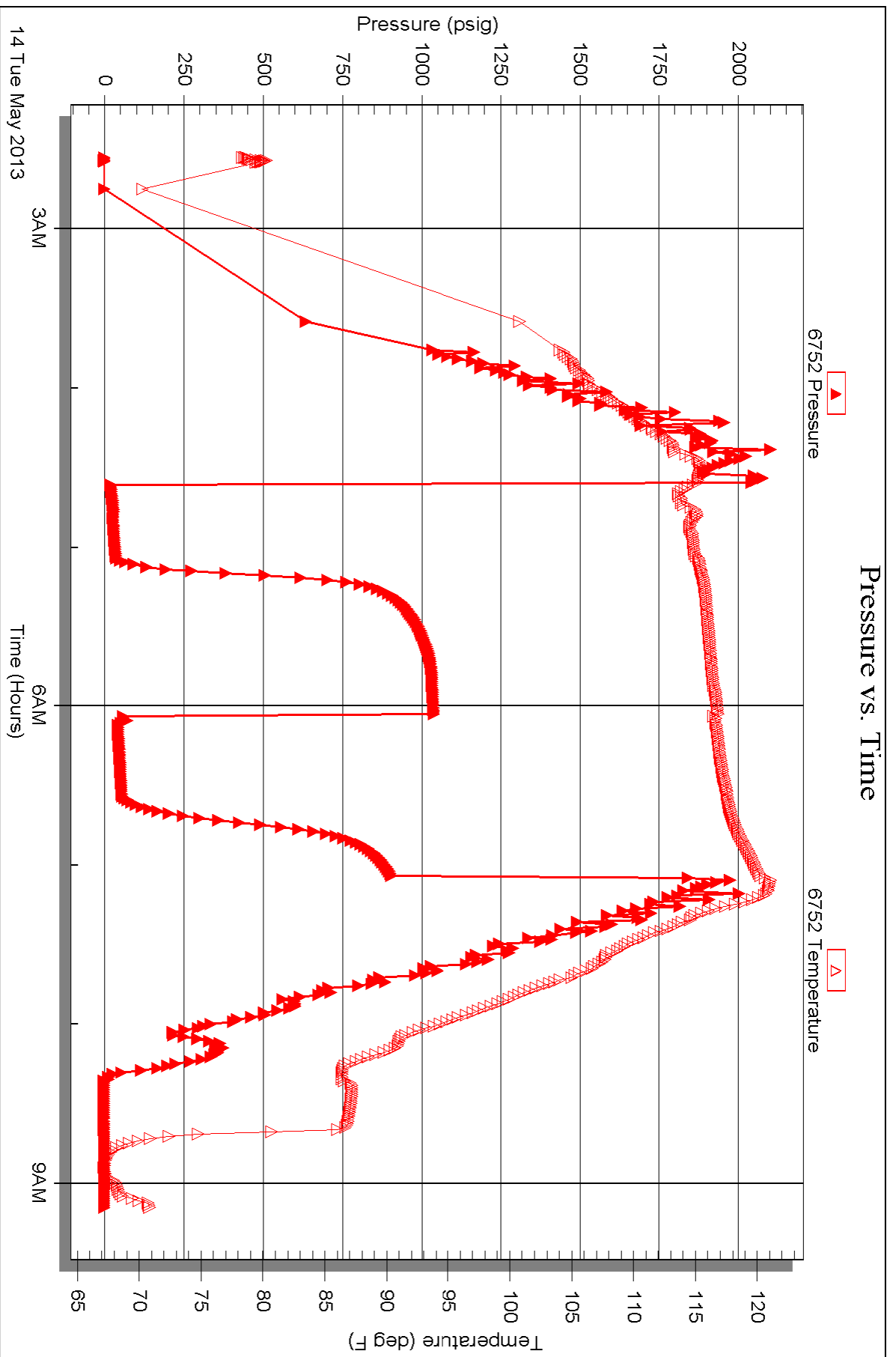
Serial #: 6752

Inside

H & C Oil Operating, Inc

13-10-26 Sheridan, KS

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53621

Well Name & No. Delbert WALT Trust #13-1 Test No. 1 Date 5-11-13
 Company H & C Oil Operating INC Elevation 2584 KB 2513 GL
 Address P.O. Box 86 Plainville KS, 67663-0086
 Co. Rep / Geo. CLAYTON ERICKSON Rig MURFIN 21
 Location: Sec. 13 Twp. 10 Rge. 26W Co. Sheridan State KS.

Interval Tested 3785-3850 Zone Tested Toronto & LMC "A"
 Anchor Length 65 Drill Pipe Run 3546 Mud Wt. 9.1
 Top Packer Depth 3780 Drill Collars Run 239 Vis 53
 Bottom Packer Depth 3785 Wt. Pipe Run 0 WL 8.0
 Total Depth 3850 Chlorides 800 ppm System LCM 2

Blow Description IFF- BOB in 6 1/2 min
ISIP- Surface Blow Building to 1/2 in. in 6 min. Died Back in 18 min
FFP- BOB in 6 1/2 min.
FSIP- Surface Blow Building to 3/4 in. in 13 min. Died Back in 48 min.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------|-----------|-----------|-----------|----------|
| <u>239</u> | <u>MCO</u> | <u>20</u> | <u>60</u> | <u>20</u> | <u>0</u> |
| <u>187</u> | <u>MCO</u> | <u>20</u> | <u>50</u> | <u>30</u> | <u>0</u> |
| <u>50</u> | <u>MCO</u> | <u>55</u> | <u>45</u> | <u>0</u> | <u>0</u> |
| <u>250</u> | <u>AIIP</u> | | | | |

Rec Total 476 BHT 121 Gravity 38 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1839 Test 1150 T-On Location 14:52
 (B) First Initial Flow 30 Jars 250 T-Started 16:20
 (C) First Final Flow 144 Safety Joint 75 T-Open 18:17
 (D) Initial Shut-In 900 Circ Sub T-Pulled 21:17
 (E) Second Initial Flow 150 Hourly Standby T-Out 23:43
 (F) Second Final Flow 190 Mileage 116 RT 179.80
 (G) Final Shut-In 874 Sampler
 (H) Final Hydrostatic 1733 Straddle
 Shale Packer
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 0
 Total 1654.80
 MP/DST Disc't

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53622

Well Name & No. Delbert Walt Trust #13-1 Test No. 2 Date 5-12-13
 Company H & C Oil Operating Inc. Elevation 2584 KB 2573 GL
 Address P.O. Box 86 Plainville KS. 67663-0086
 Co. Rep / Geo. CLAYTON ERICKSON Rig Murfin 21
 Location: Sec. 13 Twp. 10^s Rge. 26^w Co. Sheridan State K5

Interval Tested 3844-3874 Zone Tested LKC "C-D"
 Anchor Length 30 Drill Pipe Run 3609 Mud Wt. 9.1
 Top Packer Depth 3889 Drill Collars Run 239 Vis 52
 Bottom Packer Depth 3844 Wt. Pipe Run 0 WL 8.0
 Total Depth 3874 Chlorides 1000 ppm System LCM 1.5

Blow Description IFP - BOB in 40sec.
ISIP - BOB in 4 1/2 min - DAS to SURFACE 51min
FFP - BOB in 1 1/2 min.
FSIP - BOB in 5 1/2 min.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-------------|-----------|-----------|-----------|------|
| <u>120</u> | <u>OMCW</u> | <u>2</u> | <u>83</u> | <u>15</u> | |
| <u>1930</u> | <u>WCO</u> | <u>25</u> | <u>75</u> | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 2050 BHT 126 Gravity 31 API RW .170 @ 83 ° F Chlorides 35000 ppm

| | | |
|-------------------------------------|--|---|
| (A) Initial Hydrostatic <u>1888</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>07:07</u> |
| (B) First Initial Flow <u>174</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>07:57</u> |
| (C) First Final Flow <u>530</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>09:52</u> |
| (D) Initial Shut-In <u>957</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>12:25</u> |
| (E) Second Initial Flow <u>556</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>16:50</u> |
| (F) Second Final Flow <u>650</u> | <input checked="" type="checkbox"/> Mileage <u>116 RT</u> 179.80 | Comments |
| (G) Final Shut-In <u>958</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1770</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> Ruined Shale Packer |

Initial Open 33
 Initial Shut-In 60
 Final Flow 15
 Final Shut-In 45

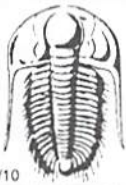
Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1654.80

Sub Total 1654.80

Approved By _____ Our Representative Jim [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. 53623

Well Name & No. Delbert Watt Trust #13-1 Test No. 3 Date 5-13-13
 Company H & C Oil Operating Inc Elevation 2584 KB 2573 GL
 Address P.O. Box 86 Plainville KS. 67663-0086
 Co. Rep / Geo. CLAYTON ERICKSON Rig MURFIN 21
 Location: Sec. 13 Twp. 10^S Rge. 26^W Co. Sheridan State KS

Interval Tested 3942 - 4023 Zone Tested LKC - "H-J"
 Anchor Length 81 Drill Pipe Run 3704 Mud Wt. 9.1
 Top Packer Depth 3937 Drill Collars Run 239 Vis 51
 Bottom Packer Depth 3942 Wt. Pipe Run 0 WL 8.8
 Total Depth 4023 Chlorides 1500 ppm System LCM 1.5

Blow Description IFF - BO.B.in 2min
ISIP - Surface Blow in 9min.
FFP - BO.B.in 2min.

FSIP - Surface Blow in 1/2 min Building to BOB in 47min.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------------|-----------|------------|-----------|-----------|
| <u>372</u> | <u>Water</u> | | <u>100</u> | | |
| <u>744</u> | <u>Sassy MOCW</u> | <u>40</u> | <u>10</u> | <u>45</u> | <u>5</u> |
| <u>868</u> | <u>Sassy OMCW</u> | <u>10</u> | <u>10</u> | <u>50</u> | <u>30</u> |
| | <u>521 SIP</u> | | | | |

Rec Total 1984 BHT 127 Gravity API RW 232 @ 94 °F Chlorides 21,000 ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2006</u> | <input checked="" type="checkbox"/> Test <u>1250</u> | T-On Location <u>10:57</u> |
| (B) First Initial Flow <u>303</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>11:50</u> |
| (C) First Final Flow <u>754</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>14:02</u> |
| (D) Initial Shut-In <u>1027</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>17:02</u> |
| (E) Second Initial Flow <u>785</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>20:17</u> |
| (F) Second Final Flow <u>931</u> | <input checked="" type="checkbox"/> Mileage <u>179.80</u> | Comments |
| (G) Final Shut-In <u>1029</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1794</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |

| | | |
|---------------------------|---|--|
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | Total <u>1654.80</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1654.80</u> | |

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. 53624

4/10

Well Name & No. Delbert Walt Trust #13-1 Test No. 4 Date 5-14-13
 Company H&C Oil Operating Inc Elevation 2584 KB 2573 GL
 Address P.O. Box 86 Plainville KS. 67663-0086
 Co. Rep / Geo. Clayton Erickson Rig Murfin 21
 Location: Sec. 13 Twp. 10^s Rge. 26^w Co. Sheridan State KS

Interval Tested 4019 - 4045 Zone Tested LKC "K"
 Anchor Length 26 Drill Pipe Run 3768 Mud Wt. 9.1
 Top Packer Depth 4014 Drill Collars Run 239 Vis 51
 Bottom Packer Depth 4019 Wt. Pipe Run 0 WL 8.8
 Total Depth 4045 Chlorides 1500 ppm System LCM 1.5

Blow Description IFP - No Blow
ISIP - No Blow
FFP - Very Weak Surface Flow
FSIP - No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------------------|------|-----------|-----------|------|
| <u>67</u> | <u>WCM show of Oil</u> | | <u>50</u> | <u>50</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 67 BHT 123 Gravity _____ API RW 245 @ 64 ° F Chlorides 31000 ppm
 (A) Initial Hydrostatic 2054 Test 1250 T-On Location 02:00
 (B) First Initial Flow 24 Jars 250 T-Started 02:33
 (C) First Final Flow 34 Safety Joint 75 T-Open 04:35
 (D) Initial Shut-In 1040 Circ Sub _____ T-Pulled 07:05
 (E) Second Initial Flow 58 Hourly Standby _____ T-Out 09:10
 (F) Second Final Flow 55 Mileage 179.80 Comments _____
 (G) Final Shut-In 903 Sampler _____
 (H) Final Hydrostatic 1899 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1654.80
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 30

Sub Total 1654.80

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.