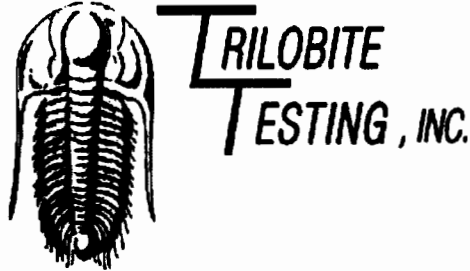


15-199-20390

33-15s-40w



DRILL STEM TEST REPORT

Prepared For: **Bayswater Exploration & Prod**

730 17th St Suite 610
Denver CO 80202

ATTN: Gary Doke/ Bob Kozare

33-15-40 Wallace KS

Ray Smith #1 24-33

Start Date: 2011.03.08 @ 04:55:35

End Date: 2011.03.08 @ 12:35:05

Job Ticket #: 040716 DST #: 1

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 NOV 29 2011
 KCC WICHITA

Trilobite Testing, Inc
 PO Box 1733 Hays, KS 67601
 ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Bayswater Exploration & Prod

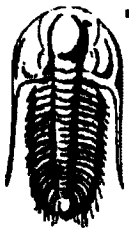
Ray Smith #1 24-33

33-15-40 Wallace KS

DST # 1

Upper Morrow Sand

2011.03.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bayswater Exploration & Prod

Ray Smith #1 24-33

730 17th St Suite 610
Denver CO 80202

33-15-40 Wallace KS

Job Ticket: 040716

DST#: 1

ATTN: Gary Doke/ Bob Kozare

Test Start: 2011.03.08 @ 04:55:35

GENERAL INFORMATION:

Formation: **Upper Morrow Sand**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:19:20

Time Test Ended: 12:35:05

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **55**

Interval: **4944.00 ft (KB) To 4977.00 ft (KB) (TVD)**

Reference Elevations: **3690.00 ft (KB)**

Total Depth: **4977.00 ft (KB) (TVD)**

3679.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **11.00 ft**

Serial #: 6667 Outside

Press@RunDepth: **574.54 psig @ 4945.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.03.08**

End Date:

2011.03.08

Last Calib.: **2011.03.08**

Start Time: **04:55:35**

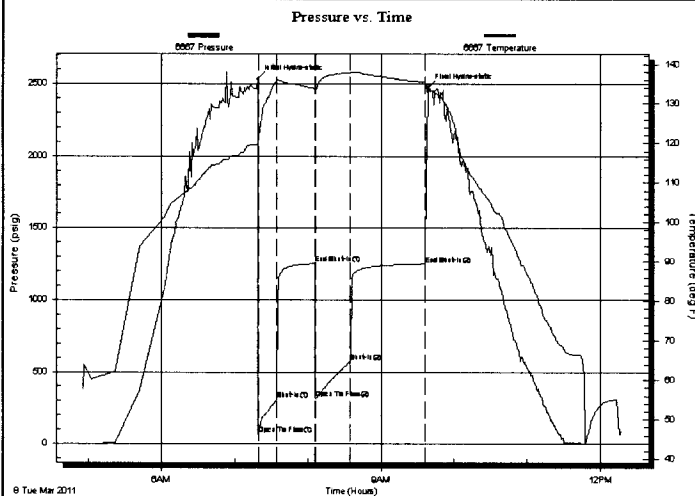
End Time:

12:17:05

Time On Btm: **2011.03.08 @ 07:19:05**

Time Off Btm: **2011.03.08 @ 09:38:35**

TEST COMMENT: B.O.B. in 7 1/2 min.
1/2" in return
B.O.B. in 6 min.
No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2534.16 | 119.77 | Initial Hydro-static |
| 1 | 68.94 | 119.29 | Open To Flow (1) |
| 16 | 306.25 | 135.51 | Shut-In(1) |
| 47 | 1252.98 | 133.83 | End Shut-In(1) |
| 48 | 314.92 | 133.45 | Open To Flow (2) |
| 76 | 574.54 | 137.74 | Shut-In(2) |
| 138 | 1251.30 | 135.43 | End Shut-In(2) |
| 140 | 2477.14 | 133.05 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------|--------------|
| 620.00 | sulfur water 100%w | 6.50 |
| 186.00 | s m c w 15%m 85%w | 2.61 |
| 186.00 | m c w 40%m 60%w | 2.61 |
| 201.00 | w c m 20%w 80% m | 2.82 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bayswater Exploration & Prod

Ray Smith #1 24-33

730 17th St Suite 610
Denver CO 80202

33-15-40 Wallace KS

Job Ticket: 040716

DST#: 1

ATTN: Gary Doke/ Bob Kozare

Test Start: 2011.03.08 @ 04:55:35

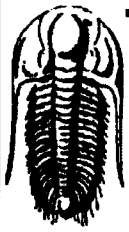
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4709.00 ft | Diameter: 3.80 inches | Volume: 66.05 bbl | Tool Weight: 1500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 241.00 ft | Diameter: 2.25 inches | Volume: 1.19 bbl | Weight to Pull Loose: 105000.0 lb |
| | | | Total Volume: 67.24 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 26.00 ft | | | String Weight: Initial 71000.00 lb |
| Depth to Top Packer: | 4944.00 ft | | | Final 77000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 33.00 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 |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|---------------------------|--------------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 4925.00 | |
| Shut In Tool | 5.00 | | | 4930.00 | |
| Hydraulic tool | 5.00 | | | 4935.00 | |
| Packer | 5.00 | | | 4940.00 | 20.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4944.00 | |
| Stubb | 1.00 | | | 4945.00 | |
| Recorder | 0.00 | 6771 | Inside | 4945.00 | |
| Recorder | 0.00 | 6667 | Outside | 4945.00 | |
| Perforations | 27.00 | | | 4972.00 | |
| Bullnose | 5.00 | | | 4977.00 | 33.00 Bottom Packers & Anchor |
| Total Tool Length: | 53.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bayswater Exploration & Prod

Ray Smith #1 24-33

730 17th St Suite 610
Denver CO 80202

33-15-40 Wallace KS

Job Ticket: 040716

DST#: 1

ATTN: Gary Doke/ Bob Kozare

Test Start: 2011.03.08 @ 04:55:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------|---------------|
| 620.00 | sulfur water 100%w | 6.502 |
| 186.00 | s m c w 15%m 85%w | 2.609 |
| 186.00 | m c w 40%m 60%w | 2.609 |
| 201.00 | w c m 20%w 80% m | 2.820 |

Total Length: 1193.00 ft Total Volume: 14.540 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

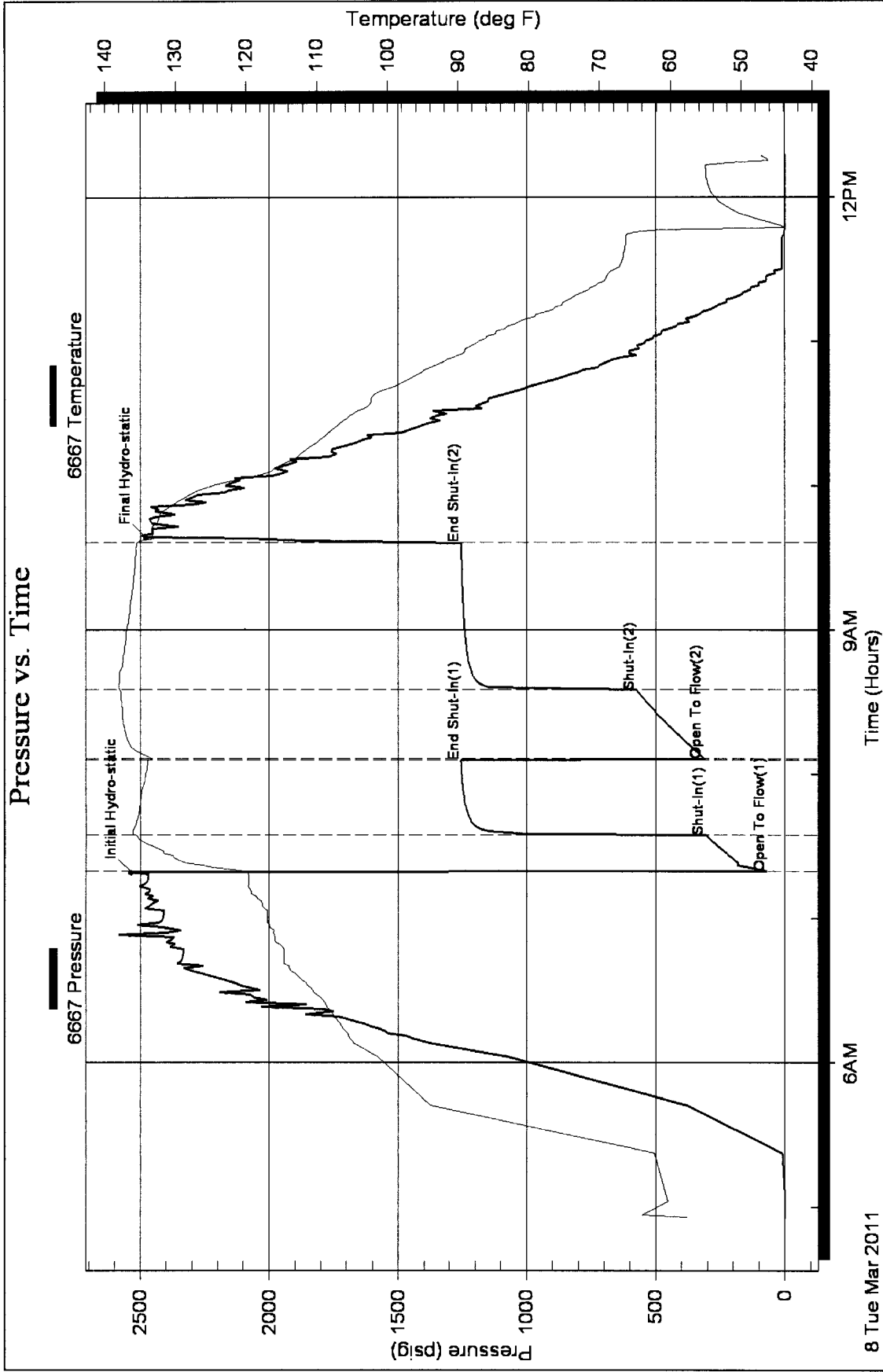
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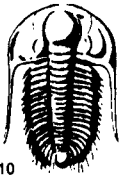
Laboratory Name:

Laboratory Location:

Recovery Comments: rw .185 @ 83*f = 31,000 chlor

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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MAR 14 2011

Test Ticket

NO. 040716

Well Name & No. Ray Smith #1 24-33 Test No. #1 Date 3/8/11
 Company Dayswater Explorations Prod Elevation 3690' KB 3679' GL
 Address 230 17th Street Suite 10 Denver, Col 80202
 Co. Rep / Geol GARY DOTE / BOB KOZARCK Rig Murfin #21
 Location: Sec. 33 Twp. 15S Rge. 40W Co. Wallace State Ks

Interval Tested 4944 4977 Zone Tested upper Morrow Sand
 Anchor Length 33 Drill Pipe Run 4709' Mud Wt. 9.5
 Top Packer Depth 4939 Drill Collars Run 241' XH Vis 5.3
 Bottom Packer Depth 4944 Wt. Pipe Run --- WL 7.2
 Total Depth 4977 Chlorides 2900 ppm System LCM #3
 Blow Description B.O.B. in 7 1/2 min
1/2" in Return
B.O.B. in 6 min
No return

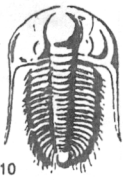
| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-------------------------------|------|------|------------|------------|
| <u>201</u> | <u>Feet of wcm</u> | | | <u>20%</u> | <u>80%</u> |
| <u>186</u> | <u>Feet of mcw</u> | | | <u>60%</u> | <u>40%</u> |
| <u>186</u> | <u>Feet of omcw</u> | | | <u>85%</u> | <u>15%</u> |
| <u>1020</u> | <u>Feet of water (Sulfur)</u> | | | | |
| <u>---</u> | <u>Feet of</u> | | | | |

Rec Total 1193' BHT 135° Gravity --- API RW .185 @ 83° F Chlorides 31,000 ppm

| | | |
|-------------------------------------|--|---|
| (A) Initial Hydrostatic <u>2534</u> | <input checked="" type="checkbox"/> Test <u>1225°</u> | T-On Location <u>04:00</u> |
| (B) First Initial Flow <u>68</u> | <input type="checkbox"/> Jars | T-Started <u>04:55</u> |
| (C) First Final Flow <u>306</u> | <input type="checkbox"/> Safety Joint | T-Open <u>07:17</u> |
| (D) Initial Shut-In <u>1252</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>09:32</u> |
| (E) Second Initial Flow <u>314</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>12:35</u> |
| (F) Second Final Flow <u>574</u> | <input checked="" type="checkbox"/> Mileage <u>130 RT \$162.50</u> | Comments |
| (G) Final Shut-In <u>1251</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2477</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> Ruined Shale Packer <u>200.00</u> |
| Initial Open <u>15</u> | <input checked="" type="checkbox"/> Shale Packer <u>250.00</u> | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>280</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | Total <u>1917.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1637.50</u> | |

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2011

Test Ticket

NO. 040716 15487

Well Name & No. Ray Smith #1 24-33 Test No. #1 Date 3/8/11
 Company Dayswater Explorations Prod Elevation 3690' KB 3679' GL
 Address 730 17th Street Suite 100 Denver, Col 80202
 Co. Rep / Geo GARY DUBE / BOB KOZARUK Rig Muffin #21
 Location: Sec. 33 Twp. 15S Rge. 40W Co. Wallace State Ks

Interval Tested 4944 4977 Zone Tested upper Morrow Sand
 Anchor Length 33 Drill Pipe Run 4709' Mud Wt. 9.5
 Top Packer Depth 4939 Drill Collars Run 241' XH Vis 5.3
 Bottom Packer Depth 4944 Wt. Pipe Run --- WL 7.2
 Total Depth 4977 Chlorides 2900 ppm System LCM #3

Blow Description B.O.B. in 7 1/2 min
1/2" in Return
B.O.B. in 6 min
No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-------------------------------|------|------|------------|------------|
| <u>201</u> | <u>Feet of wcm</u> | | | <u>20%</u> | <u>80%</u> |
| <u>186</u> | <u>Feet of mcw</u> | | | <u>60%</u> | <u>40%</u> |
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| | <u>Feet of</u> | | | | |

Rec Total 1193' BHT 135° Gravity --- API RW .185 @ 83° F Chlorides 31,000 ppm

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| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>250</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | Total <u>1917.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1637.50</u> | |

Approved By [Signature] Our Representative [Signature]

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