



DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Ass. INC,**

1515 Wynkoop St. Suite 700
Denver CO, 80202

ATTN: Clayton Camozzi

Bogleigh Wallah 2-4

4-16s-16w Rush

Start Date: 2011.10.05 @ 14:55:37

End Date: 2011.10.05 @ 20:57:07

Job Ticket #: 44623 DST #: 4

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

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. & Ass. INC,
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 Denver CO, 80202
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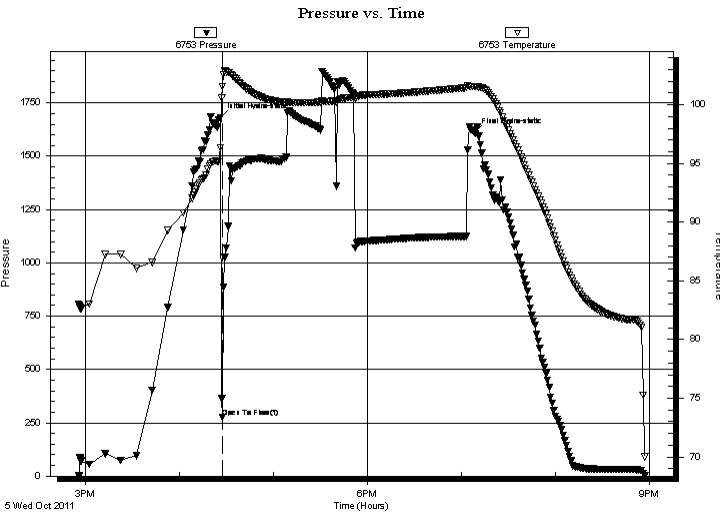
4-16s-16w Rush
Bogleigh Wallah 2-4
 Job Ticket: 44623 **DST#: 4**
 Test Start: 2011.10.05 @ 14:55:37

GENERAL INFORMATION:

Formation: **Arb.**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:27:37 Tester: Brett Dickinson
 Time Test Ended: 20:57:07 Unit No: 47
 Interval: **3436.00 ft (KB) To 3444.00 ft (KB) (TVD)** Reference Elevations: 1870.00 ft (KB)
 Total Depth: 3444.00 ft (KB) (TVD) 1862.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6753 Inside
 Press @ Run Depth: psig @ 3437.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.05 End Date: 2011.10.05 Last Calib.: 2011.10.05
 Start Time: 14:55:42 End Time: 20:57:06 Time On Btm: 2011.10.05 @ 16:26:07
 Time Off Btm: 2011.10.05 @ 19:08:07

TEST COMMENT: 5min IF-2in blow
 60min ISI-No blow
 20min FF-Very weak surface blow died in 5min
 70min FSI-No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1681.15 | 96.34 | Initial Hydro-static |
| 2 | 275.17 | 101.57 | Open To Flow (1) |
| 162 | 1612.18 | 101.55 | Final Hydro-static |

Recovery

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

* Recovery from multiple tests

Gas Rates

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



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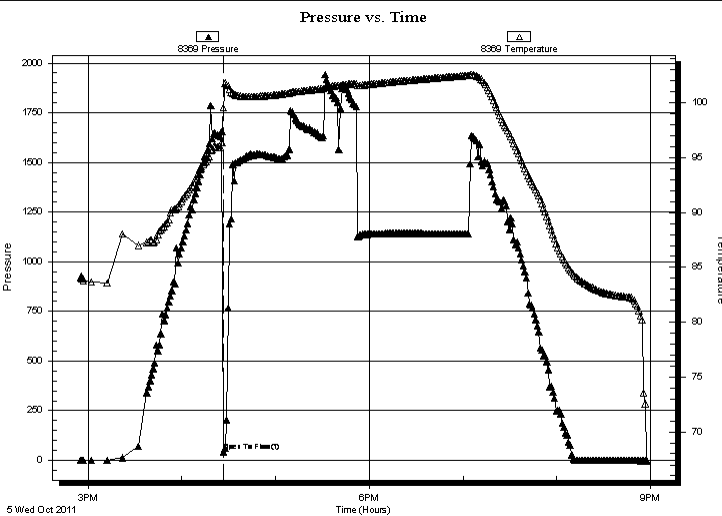
4-16s-16w Rush
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 Total Depth: 3444.00 ft (KB) (TVD) 1862.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8369 Outside
 Press @ Run Depth: psig @ 3437.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.05 End Date: 2011.10.05 Last Calib.: 2011.10.05
 Start Time: 14:55:13 End Time: 20:57:37 Time On Btm:
 Time Off Btm:

TEST COMMENT: 5min IF-2in blow
 60min ISI-No blow
 20min FF-Very weak surface blow died in 5min
 70min FSI-No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------------|
| 0 | 44.15 | 99.58 | Open To Flow (1) |

Recovery

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

* Recovery from multiple tests

Gas Rates

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



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Sam Gary Jr. & Ass. INC,
1515 Wynkoop St. Suite 700
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ATTN: Clayton Camozzi

4-16s-16w Rush

Bogleigh Wallah 2-4

Job Ticket: 44623

DST#: 4

Test Start: 2011.10.05 @ 14:55:37

GENERAL INFORMATION:

Formation: **Arb.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:27:37

Time Test Ended: 20:57:07

Interval: 3436.00 ft (KB) To 3444.00 ft (KB) (TVD)

Total Depth: 3444.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Reference Elevations: 1870.00 ft (KB)

1862.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press @ Run Depth: psig @ 3402.00 ft (KB)

Start Date: 2011.10.05

End Date:

2011.10.05

Start Time: 14:55:46

End Time:

20:52:10

Capacity: 8000.00 psig

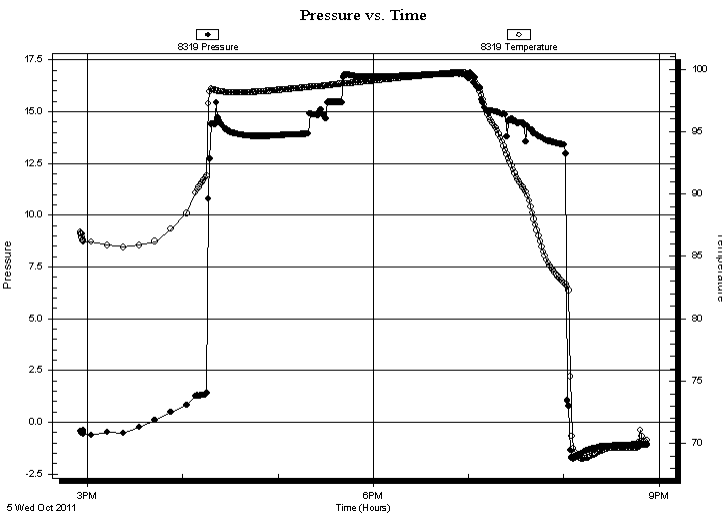
Last Calib.:

2011.10.05

Time On Btm:

Time Off Btm:

TEST COMMENT: 5min IF-2in blow
60min ISI-No blow
20min FF-Very weak surface blow died in 5min
70min FSI-No blow



PRESSURE SUMMARY

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

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

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
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* Recovery from multiple tests



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Ass. INC,
1515 Wynkoop St. Suite 700
Denver CO, 80202
ATTN: Clayton Camozzi

4-16s-16w Rush
Bogleigh Wallah 2-4
Job Ticket: 44623 **DST#: 4**
Test Start: 2011.10.05 @ 14:55:37

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 3377.00 ft | Diameter: 3.80 inches | Volume: 47.37 bbl | Tool Weight: 2500.00 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: 31.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | Total Volume: 47.52 bbl | Tool Chased 1.00 ft |
| Drill Pipe Above KB: | 7.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3436.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 8.00 ft | | | |
| Tool Length: | 43.00 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 | | | 3402.00 | |
| Recorder | 0.00 | 8319 | Inside | 3402.00 | |
| Blank Spacing | 5.00 | | | 3407.00 | |
| Shut In Tool | 5.00 | | | 3412.00 | |
| Sampler | 2.00 | | | 3414.00 | |
| Hydraulic tool | 5.00 | | | 3419.00 | |
| Jars | 5.00 | | | 3424.00 | |
| Safety Joint | 2.00 | | | 3426.00 | |
| Packer | 5.00 | | | 3431.00 | 35.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3436.00 | |
| Stubb | 1.00 | | | 3437.00 | |
| Recorder | 0.00 | 6753 | Inside | 3437.00 | |
| Recorder | 0.00 | 8369 | Outside | 3437.00 | |
| Perforations | 4.00 | | | 3441.00 | |
| Bullnose | 3.00 | | | 3444.00 | 8.00 Bottom Packers & Anchor |

Total Tool Length: 43.00



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FLUID SUMMARY

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Bogleigh Wallah 2-4

Job Ticket: 44623

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2011.10.05 @ 14:55:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| 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: Sampler Data Plugged

