



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Arcadian Resources LLC

27-17-31 Scott, Ks

208 E. 32nd
Hays, Ks 67601

Bateman #1

Job Ticket: 61783

DST#: 1

ATTN: Eli Felts

Test Start: 2015.11.01 @ 00:50:40

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:41:40

Time Test Ended: 07:30:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4215.00 ft (KB) To 4248.00 ft (KB) (TVD)

Reference Elevations: 2915.00 ft (KB)

Total Depth: 4248.00 ft (KB) (TVD)

2905.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press @ Run Depth: 656.98 psig @ 4216.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.01 End Date: 2015.11.01

Last Calib.: 2015.11.01

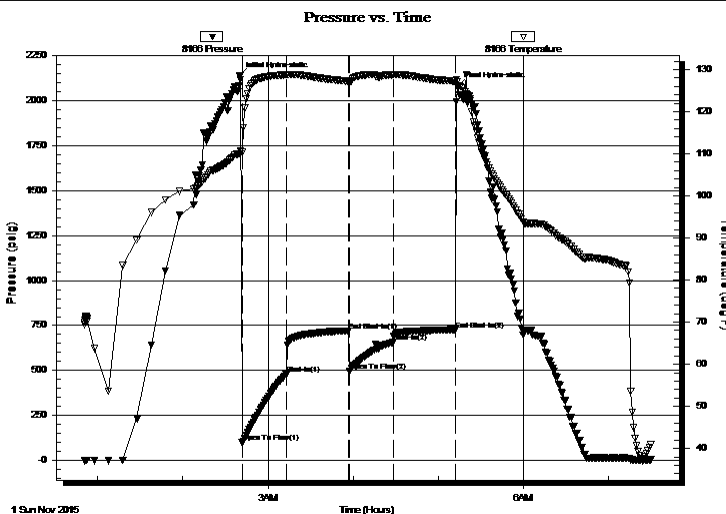
Start Time: 00:50:45 End Time: 07:30:09

Time On Btm: 2015.11.01 @ 02:40:10

Time Off Btm: 2015.11.01 @ 05:13:40

TEST COMMENT: IF: 1/4 built to 3 died to 1/4.
IS: No return.
FF: Surface blow died in 2 min. Flushed tool no blow.
FS: No return. Had a loose hammer union.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.75	110.06	Initial Hydro-static
2	98.09	110.34	Open To Flow (1)
33	481.59	128.74	Shut-In(1)
77	720.69	127.20	End Shut-In(1)
78	497.38	126.89	Open To Flow (2)
108	656.98	128.72	Shut-In(2)
152	727.74	127.21	End Shut-In(2)
154	2079.99	127.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	mcw 95%w 5%m	7.83
248.00	mcw oil spots 80%w 20%m	3.48
603.00	ocw m 2%o 48%w 50%m	8.46

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Eii Felts

Test Start: 2015.11.01 @ 00:50:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	mcw 95%w 5%m	7.827
248.00	mcw oil spots 80%w 20%m	3.479
603.00	ocw m 2%o 48%w 50%m	8.459

Total Length: 1409.00 ft Total Volume: 19.765 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .39@42=31000

