



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: 61784

DST#: 2

ATTN: Eli Felts- Garett Din

Test Start: 2015.11.02 @ 02:00:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:31:00

Time Test Ended: 08:05:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4362.00 ft (KB) To 4382.00 ft (KB) (TVD)

Reference Elevations: 2915.00 ft (KB)

Total Depth: 4382.00 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@RunDepth: 101.94 psig @ 4363.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.02

End Date:

2015.11.02

Last Calib.: 2015.11.02

Start Time: 02:00:05

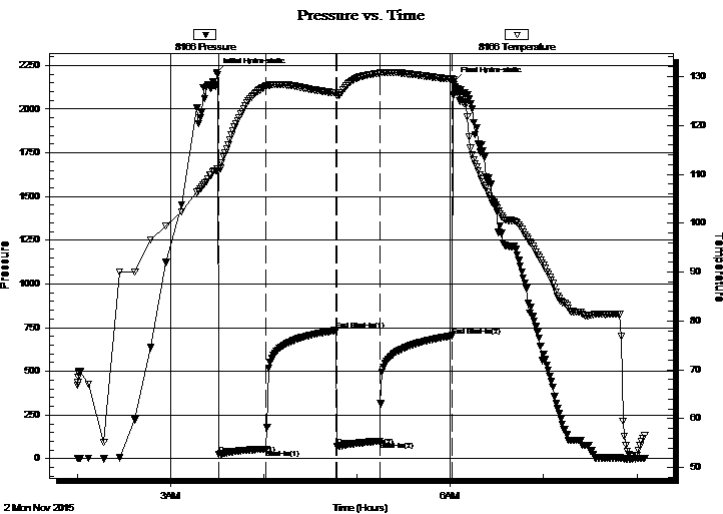
End Time:

08:04:59

Time On Btm: 2015.11.02 @ 03:29:30

Time Off Btm: 2015.11.02 @ 06:02:30

TEST COMMENT: IF: 1/4 blow built to 8.
IS: No return.
FF: Surface blow built to 5.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.46	110.75	Initial Hydro-static
2	26.33	110.73	Open To Flow (1)
32	55.67	128.03	Shut-In(1)
77	734.29	126.63	End Shut-In(1)
78	71.41	126.10	Open To Flow (2)
105	101.94	130.71	Shut-In(2)
152	703.87	129.45	End Shut-In(2)
153	2157.87	128.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 85%w 15%m	0.87
124.00	ocw m 1%o 49%w 50%m	1.74
1.00	free oil 100%m	0.01

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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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:

28000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcw 85%w 15%m	0.870
124.00	ocw m 1%o 49%w 50%m	1.739
1.00	free oil 100%m	0.014

Total Length: 187.00 ft Total Volume: 2.623 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .31@55=28000

