



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TGT Petroleum Corporation

5-28S-18W Kiowa

7570 W 21st St N Ste 1010D
Wichita, KS 67205

Heft B 2

Job Ticket: 59888

DST#: 4

ATTN: Jeff Christian

Test Start: 2014.11.19 @ 18:54:40

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:29:40

Time Test Ended: 03:25:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 4804.00 ft (KB) To 4820.00 ft (KB) (TVD)

Reference Elevations: 2226.00 ft (KB)

Total Depth: 4820.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 40.73 psig @ 4805.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.19

End Date:

2014.11.20

Last Calib.:

2014.11.20

Start Time: 18:54:41

End Time:

03:25:10

Time On Btm:

2014.11.19 @ 21:24:25

Time Off Btm:

2014.11.20 @ 01:33:55

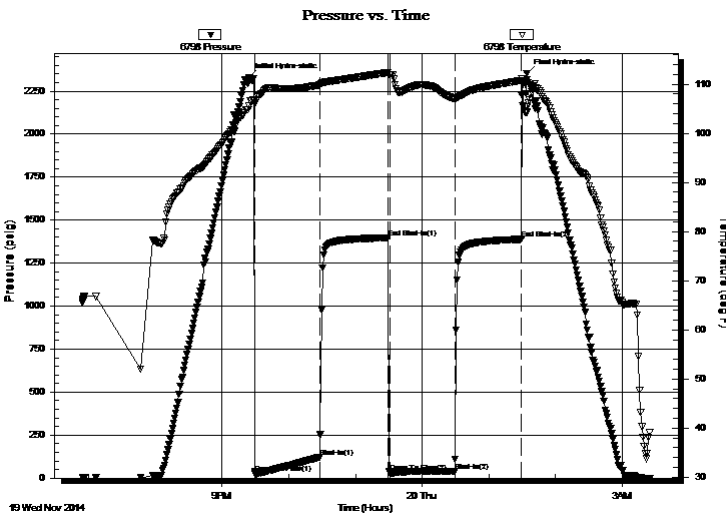
TEST COMMENT: IF: Strong Blow , BOB in 20 seconds, GTS in 23 minutes, Guaged & Caught Sample

IS: 1/2 inch Blow Back

FF: Strong Blow , BOB & GTS Immediate, Guagr d Gas

FS: 1 inch Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.76	105.51	Initial Hydro-static
6	26.88	106.09	Open To Flow (1)
64	122.48	109.83	Shut-In(1)
125	1397.72	112.39	End Shut-In(1)
127	31.98	112.00	Open To Flow (2)
185	40.73	107.02	Shut-In(2)
245	1389.23	110.77	End Shut-In(2)
250	2353.51	104.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
20.00	GCM 5%G 95%M	0.28

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	49.00	100.58
Last Gas Rate	0.38	18.00	118.69
Max. Gas Rate	0.25	96.00	175.14



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FLUID SUMMARY

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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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
20.00	GCM 5%G 95%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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Heft B 2

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Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	30	0.25	49.00	100.58
1	30	0.25	49.00	100.58
1	40	0.25	68.00	130.72
1	50	0.25	84.00	156.10
1	60	0.25	96.00	175.14
2	10	0.38	15.00	107.70
2	20	0.38	17.00	115.03
2	30	0.38	18.00	118.69
2	40	0.38	18.00	118.69
2	50	0.38	18.00	118.69

Pressure vs. Time

