



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb LLC
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

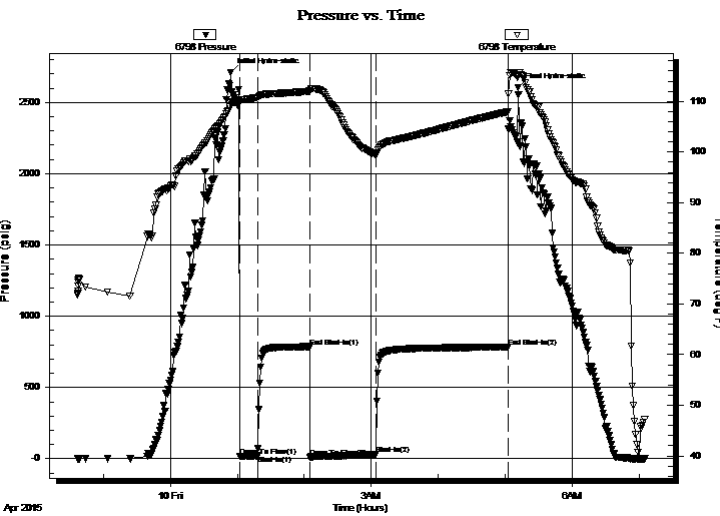
8-30S-18W Kiowa
Petra 1-8
Job Ticket: 59764 **DST#: 3**
Test Start: 2015.04.09 @ 22:36:54

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:02:09
Time Test Ended: 07:05:09
Interval: **4992.00 ft (KB) To 5007.00 ft (KB) (TVD)**
Total Depth: 5007.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 2243.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6798 Inside
Press@RunDepth: 30.00 psig @ 4993.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.09 End Date: 2015.04.10 Last Calib.: 2015.04.10
Start Time: 22:36:55 End Time: 07:05:09 Time On Btm: 2015.04.10 @ 00:54:09
Time Off Btm: 2015.04.10 @ 05:11:54

TEST COMMENT: IF: Fair Blow , BOB in 9 minutes
IS: No Blow Back
FF: Strong Blow , BOB in 30 seconds, GTS in 26 minutes, Gauged & Caught Sample
FS: No Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2710.75	109.64	Initial Hydro-static
8	15.77	109.98	Open To Flow (1)
24	21.89	110.76	Shut-In(1)
71	786.72	111.99	End Shut-In(1)
71	11.97	111.95	Open To Flow (2)
130	30.00	99.50	Shut-In(2)
249	782.94	107.95	End Shut-In(2)
258	2603.24	114.83	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	4977 GIP	0.00
20.00	GCM 5%G 95%M	0.10

* Recovery from multiple tests

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	8.00	35.54
Last Gas Rate	0.25	14.00	45.05
Max. Gas Rate	0.25	14.00	45.05



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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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4977 GIP	0.000
20.00	GCM 5%G 95%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

