



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

8-30sS-18w Kiowa,KS

Petra #1-8

Job Ticket: 59762

DST#: 1

Test Start: 2015.04.07 @ 03:05:51

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:54:51

Time Test Ended: 11:09:51

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 4389.00 ft (KB) To 4405.00 ft (KB) (TVD)

Reference Elevations: 2243.00 ft (KB)

Total Depth: 4405.00 ft (KB) (TVD)

2230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 6798

Inside

Press@RunDepth: 105.48 psig @ 4390.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.07

End Date:

2015.04.07

Last Calib.:

2015.04.07

Start Time: 03:05:52

End Time:

11:09:51

Time On Btm:

2015.04.07 @ 05:36:06

Time Off Btm:

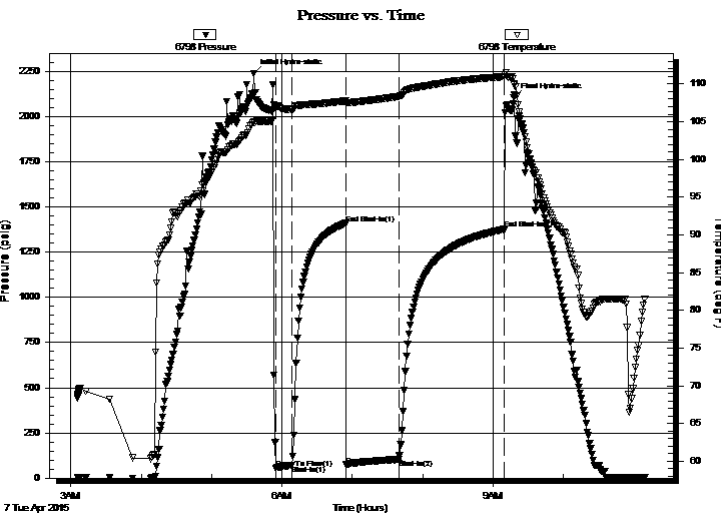
2015.04.07 @ 09:17:36

TEST COMMENT: IF: Fair Blow , BOB in 7 minutes

IS: No Blow Back

FF: Weak Blow , BOB in 33 minutes

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.74	104.95	Initial Hydro-static
19	55.49	106.88	Open To Flow (1)
33	71.36	106.61	Shut-In(1)
78	1408.49	107.75	End Shut-In(1)
79	73.31	107.49	Open To Flow (2)
124	105.48	108.34	Shut-In(2)
214	1376.22	110.98	End Shut-In(2)
222	2104.11	110.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	830 GIP	0.00
123.00	SOSMCW 1%O 10%M 89%W	1.18
55.00	SOCM 5%O 95%M	0.77

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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	55000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	830 GIP	0.000
123.00	SOSMCW 1%O 10%M 89%W	1.179
55.00	SOCM 5%O 95%M	0.772

Total Length: 178.00 ft Total Volume: 1.951 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW was .15 @ 65 degrees

