



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L. Loeb LLC
 P.O. Box 838
 Lawrenceville IL 62439
 ATTN: Keith Revis

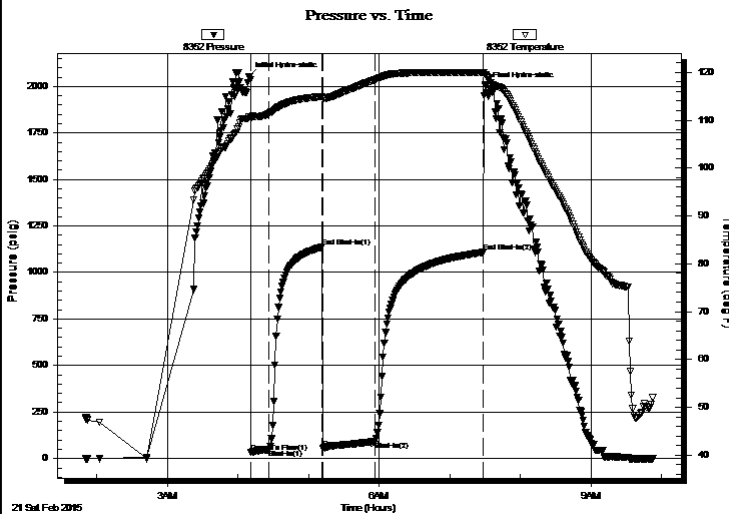
27-26s-15w Pratt Ks.
Kodiak A#1-27
 Job Ticket: 59745 **DST#: 4**
 Test Start: 2015.02.21 @ 01:50:26

GENERAL INFORMATION:

Formation: **Lans. H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:11:11
 Time Test Ended: 09:52:26
 Interval: **4044.00 ft (KB) To 4068.00 ft (KB) (TVD)**
 Total Depth: 4068.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 80
 Reference Elevations: 2053.00 ft (KB)
 2044.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 91.88 psig @ 4045.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.21 End Date: 2015.02.21 Last Calib.: 2015.02.21
 Start Time: 01:50:31 End Time: 09:52:25 Time On Btm: 2015.02.21 @ 04:09:26
 Time Off Btm: 2015.02.21 @ 07:30:41

TEST COMMENT: IF: Fair blow . Increase to 11".
 IS: No blow .
 FF: Fair blow . Increase to 10".
 FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2050.27	110.61	Initial Hydro-static
2	34.30	110.56	Open To Flow (1)
17	48.96	111.39	Shut-In(1)
63	1136.71	114.93	End Shut-In(1)
63	54.53	114.64	Open To Flow (2)
108	91.88	118.48	Shut-In(2)
200	1108.51	119.90	End Shut-In(2)
202	1997.38	119.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCW 2%o 98%w /Rw .17@44 deg	0.30
80.00	OCWM 12%o 29%w 59%m	0.39
0.00	105 ft.of GIP	0.00

* 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	77000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: 9.20 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCW 2%o 98%w /Rw .17@44 deg	0.305
80.00	OCWM 12%o 29%w 59%m	0.393
0.00	105 ft.of GIP	0.000

Total Length: 142.00 ft Total Volume: 0.698 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

