



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

S.Gary Jr.& Assoc. inc.

DLT 1-7

1515 Wynkoop
Suite 700
Denver Co. 80202
ATTN: Neil Sharp

7-16s-16w Rush KS

Job Ticket: 041554

DST#: 4

Test Start: 2011.02.22 @ 08:50:05

GENERAL INFORMATION:

Formation: **LKC"I-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:50

Time Test Ended: 15:54:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3385.00 ft (KB) To 3447.00 ft (KB) (TVD)

Reference Elevations: 1940.00 ft (KB)

Total Depth: 3447.00 ft (KB) (TVD)

1930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8352 Outside

Press @ RunDepth: 35.83 psig @ 3392.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.22

End Date:

2011.02.22

Last Calib.:

2011.02.22

Start Time: 08:50:05

End Time:

15:54:40

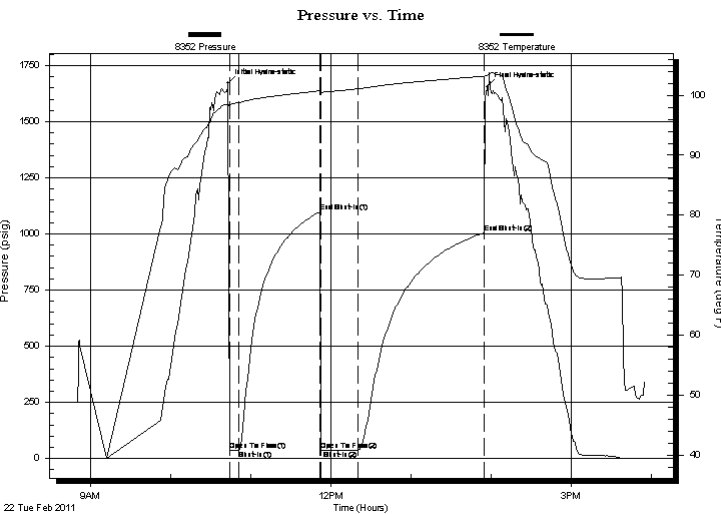
Time On Btm:

2011.02.22 @ 10:42:50

Time Off Btm:

2011.02.22 @ 13:56:50

TEST COMMENT: IF:5min. Weak half inch blow
IS:60min. No Return
FF:30min. Weak surface blow, died in 18min.
FS:90min. No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.00	98.65	Initial Hydro-static
1	35.24	98.05	Open To Flow (1)
8	35.90	98.76	Shut-In(1)
69	1099.19	100.75	End Shut-In(1)
70	35.94	100.47	Open To Flow (2)
98	35.83	101.06	Shut-In(2)
192	1006.34	103.17	End Shut-In(2)
194	1654.98	103.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud m=100%	0.42

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/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:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud m=100%	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data=

Pressure vs. Time

