



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. and Assoc. inc

**Leon Brack et al 1-23**

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

**23-16s-16w Rush**

Job Ticket: 042629

**DST#: 2**

Test Start: 2011.05.25 @ 01:09:05

## GENERAL INFORMATION:

Formation: **LKC"D,E,F,G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:01:30

Time Test Ended: 09:08:39

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

**Interval: 3296.00 ft (KB) To 3351.00 ft (KB) (TVD)**

Reference Elevations: 1975.00 ft (KB)

Total Depth: 3351.00 ft (KB) (TVD)

1965.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 143.39 psig @ 3300.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.25 End Date: 2011.05.25

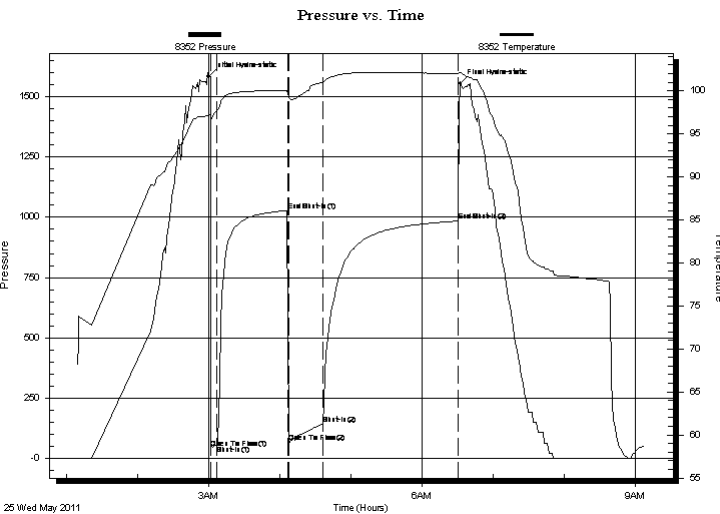
Last Calib.: 2011.05.25

Start Time: 01:09:05 End Time: 09:08:40

Time On Btm: 2011.05.25 @ 02:59:40

Time Off Btm: 2011.05.25 @ 06:32:20

**TEST COMMENT:** IF:(5min) BOB, 2 min.  
IS:(60min) No Return  
FF:(30min) BOB, immediately  
FS:(110min) Return Surface Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.08	97.13	Initial Hydro-static
2	42.79	96.47	Open To Flow (1)
8	55.81	97.71	Shut-In(1)
67	1027.70	100.08	End Shut-In(1)
68	68.43	99.32	Open To Flow (2)
97	143.39	100.98	Shut-In(2)
212	984.52	102.03	End Shut-In(2)
213	1554.63	102.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	GMWO g=20% m=10% w=10% o=60%	2.60
120.00	GMWO g=25% w=10% m=25% o=40%	1.68
0.00	3250' GIP	0.00

## Gas Rates

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





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**FLUID SUMMARY**

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Job Ticket: 042629

**DST#: 2**

Test Start: 2011.05.25 @ 01:09:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 9.19 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5800.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GMWO g=20% m=10% w =10% o=60%	2.595
120.00	GMWO g=25% w =10% m=25% o=40%	1.683
0.00	3250' GIP	0.000

Total Length: 305.00 ft Total Volume: 4.278 bbl

Num Fluid Samples: 0

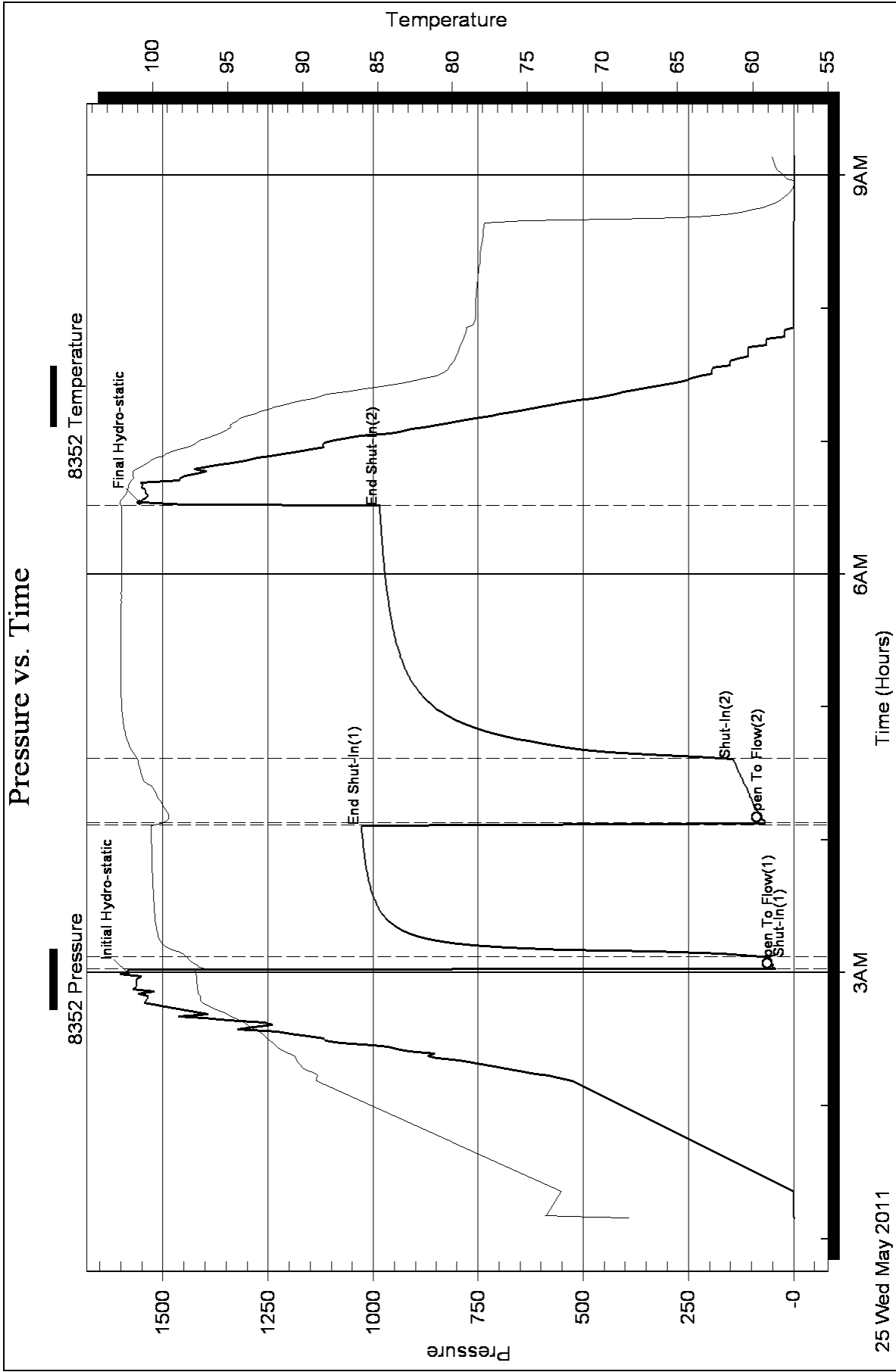
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data= g=1/8cf o=1000ml m=800ml w =200ml pressure=158lbs



Serial #: 8650

Fluid

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DST Test Number: 2

