



**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: 042630

DST#: 3

Test Start: 2011.05.25 @ 20:53:05

GENERAL INFORMATION:

Formation: **LKC"H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:10

Time Test Ended: 04:12:29

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3395.00 ft (KB) To 3413.00 ft (KB) (TVD)

Reference Elevations: 1975.00 ft (KB)

Total Depth: 3413.00 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 @ RunDepth: 64.16 psig @ 3396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.25

End Date:

2011.05.26

Last Calib.:

2011.05.26

Start Time: 20:53:05

End Time:

04:12:29

Time On Btm:

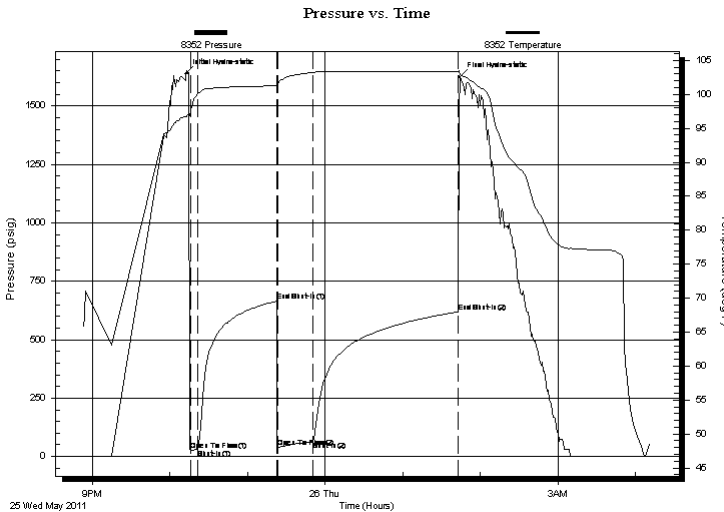
2011.05.25 @ 22:12:20

Time Off Btm:

2011.05.26 @ 01:44:20

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.56	96.71	Initial Hydro-static
4	25.81	97.70	Open To Flow (1)
9	30.91	100.05	Shut-In(1)
70	664.37	101.27	End Shut-In(1)
71	39.36	101.33	Open To Flow (2)
99	64.16	103.24	Shut-In(2)
211	619.39	103.36	End Shut-In(2)
212	1624.28	102.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOMCW g=5% o=10% m=5% w =80%	1.68
55.00	GOCWM g=5% o=15% w =30% m=50%	0.77
0.00	GIP= 900ft	0.00

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:	Water Salinity:	105000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume:		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		psig
Salinity: 7200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOMCW g=5% o=10% m=5% w=80%	1.683
55.00	GOCWM g=5% o=15% w=30% m=50%	0.772
0.00	GIP= 900ft	0.000

Total Length: 175.00 ft Total Volume: 2.455 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data= g=N/A o=200ml m=100ml w=300ml press=20bs
Resistivity= .10@ 49=105000

Pressure vs. Time

