



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

ATTN: Clayton Camozzi

Job Ticket: 62892

DST#: 2

Test Start: 2015.06.13 @ 04:17:00

GENERAL INFORMATION:

Formation: **Lansing C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:57:30

Time Test Ended: 12:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: 3816.00 ft (KB) To 3858.00 ft (KB) (TVD)

Reference Elevations: 2546.00 ft (KB)

Total Depth: 3858.00 ft (KB) (TVD)

2538.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525

Inside

Press @ Run Depth: 83.70 psig @ 3853.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.06.13

End Date: 2015.06.13

Last Calib.: 2015.06.13

Start Time: 04:18:00

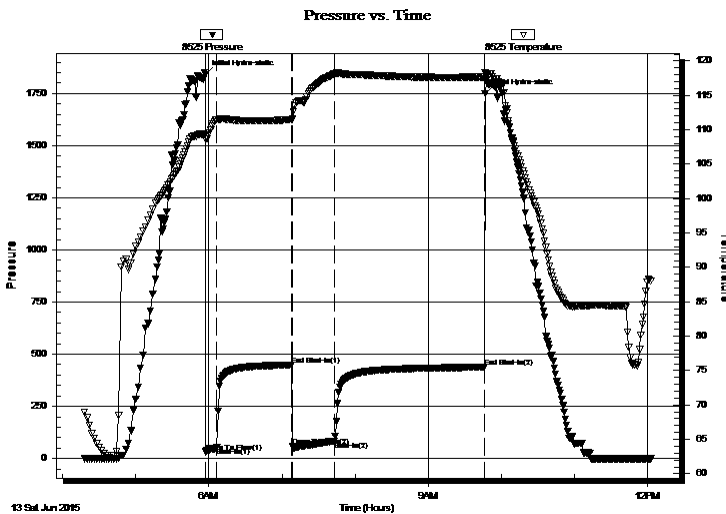
End Time: 12:02:30

Time On Btm: 2015.06.13 @ 05:57:00

Time Off Btm: 2015.06.13 @ 09:46:30

TEST COMMENT: 1st Open 10 min. Fair building blow built to 4 inches.
1st Shut in 60 min. No blow back.
2nd Open 40 min. Good building blow built to 6.5 inches.
2nd Shut in 120 min. No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.58	109.28	Initial Hydro-static
1	32.13	108.64	Open To Flow (1)
10	53.39	111.42	Shut-In(1)
71	447.71	111.49	End Shut-In(1)
72	57.94	111.55	Open To Flow (2)
106	83.70	118.13	Shut-In(2)
229	438.06	117.67	End Shut-In(2)
230	1749.41	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Clean oil 100%	0.02
30.00	Oil cut mud 70%Oil 30%Mud	0.18
60.00	Oil cut mud 5%oil 90% Mud	0.84
47.00	Oil spotted mud 100% Mud	0.66

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:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: 3.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Clean oil 100%	0.020
30.00	Oil cut mud 70%Oil 30%Mud	0.181
60.00	Oil cut mud 5%oil 90% Mud	0.842
47.00	Oil spotted mud 100% Mud	0.659

Total Length: 141.00 ft Total Volume: 1.702 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

