



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC
 2717 Canal Boulevard
 Suite C
 Hays Kansas 67601
 ATTN: Charlie Sturdavant

3/22S/17W/Pawnee
Froetschner #1-3
 Job Ticket: 61961 **DST#: 1**
 Test Start: 2015.11.21 @ 05:03:00

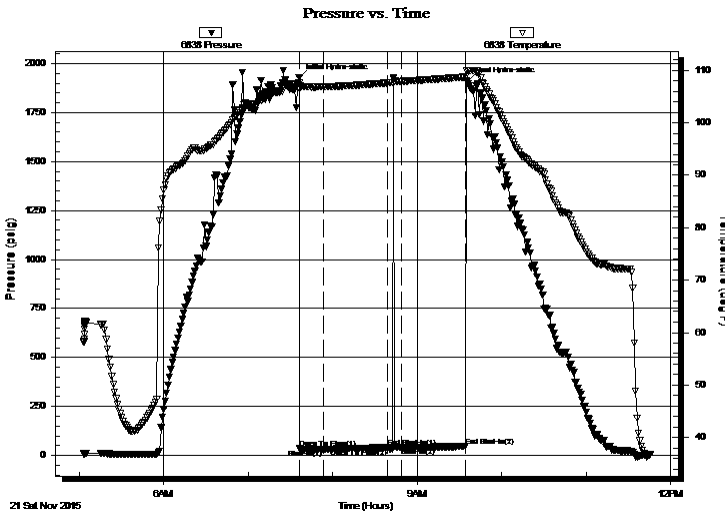
GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:36:31
 Time Test Ended: 11:45:16
 Interval: **3890.00 ft (KB) To 3936.00 ft (KB) (TVD)**
 Total Depth: 3936.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 58 Great Bend/54
 Reference Elevations: 2031.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6838 **Inside**
 Press @ Run Depth: 40.61 psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.21 End Date: 2015.11.21 Last Calib.: 2015.11.21
 Start Time: 05:03:01 End Time: 11:45:16 Time On Btm: 2015.11.21 @ 07:36:16
 Time Off Btm: 2015.11.21 @ 09:35:16

TEST COMMENT: 1ST Open 17 Minutes/Weak blow/Blow built to 1/2 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 10 Minutes/Dead no blow/Flush tool no help
 2ND Shut In 45 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.75	107.56	Initial Hydro-static
1	37.76	106.45	Open To Flow (1)
17	29.58	106.85	Shut-In(1)
63	40.61	107.60	End Shut-In(1)
63	37.51	107.60	Open To Flow (2)
73	40.61	107.91	Shut-In(2)
118	45.74	108.71	End Shut-In(2)
119	1906.89	109.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil in tool	0.07

Gas Rates

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



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Job Ticket: 61961 **DST#: 1**

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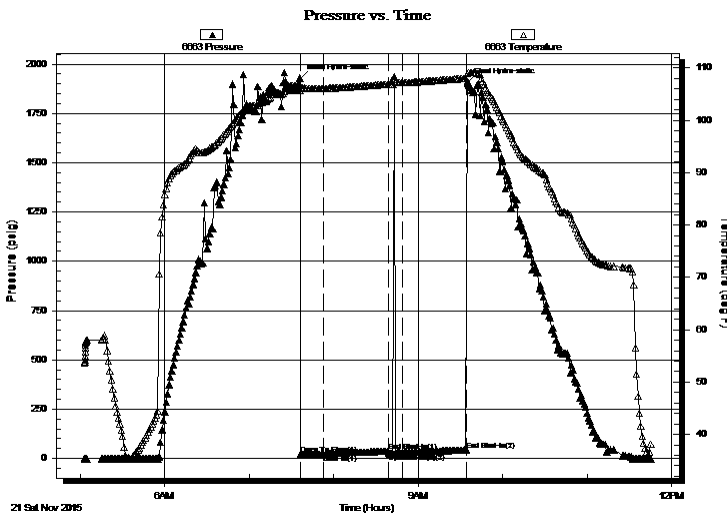
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Hole Diameter: 7.80 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 58 Great Bend/54
Reference Elevations: 2031.00 ft (KB)
2020.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6663 Outside

Press @ Run Depth: 43.29 psig @ 3933.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.21 End Date: 2015.11.21 Last Calib.: 2015.11.21
Start Time: 05:03:01 End Time: 11:45:16 Time On Btm: 2015.11.21 @ 07:36:16
Time Off Btm: 2015.11.21 @ 09:35:16

TEST COMMENT: 1ST Open 17 Minutes/Weak blow/Blow built to 1/2 inch
1ST Shut In 45 Minutes/No blow back
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2ND Shut In 45 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1927.04	106.66	Initial Hydro-static
1	21.29	105.71	Open To Flow (1)
17	22.75	106.09	Shut-In(1)
63	37.30	106.90	End Shut-In(1)
63	24.53	106.90	Open To Flow (2)
73	27.68	107.16	Shut-In(2)
118	43.29	108.00	End Shut-In(2)
119	1903.78	108.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil in tool	0.07

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

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2717 Canal Boulevard
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Job Ticket: 61961 **DST#: 1**
Test Start: 2015.11.21 @ 05:03:00

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: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud with show of oil in tool	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

