



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corporation
PO Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

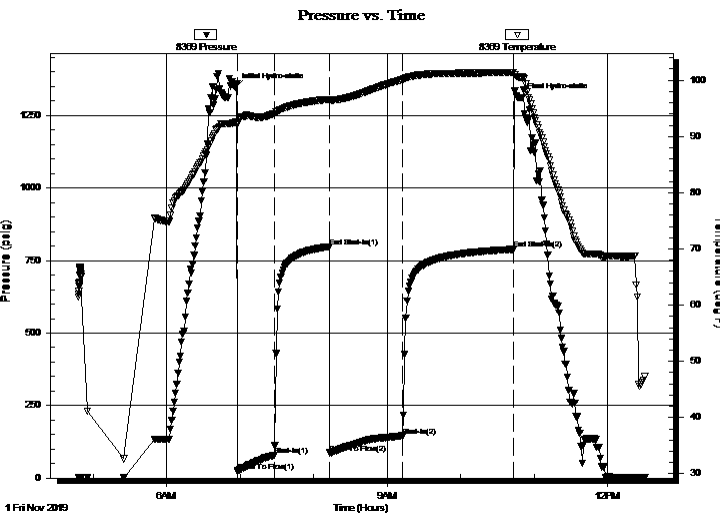
35-25S-3E Butler, KS
Sprague #1
Job Ticket: 65412 **DST#: 1**
Test Start: 2019.11.01 @ 04:48:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:57:50
Time Test Ended: 12:30:39
Interval: **2694.00 ft (KB) To 2734.00 ft (KB) (TVD)**
Total Depth: 2734.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1313.00 ft (KB)
1304.00 ft (CF)
KB to GR/CF: 9.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80

Serial #: 8369 Outside
Press@RunDepth: 145.95 psig @ 2695.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.11.01 End Date: 2019.11.01 Last Calib.: 2019.11.01
Start Time: 04:48:01 End Time: 12:30:40 Time On Btm: 2019.11.01 @ 06:56:00
Time Off Btm: 2019.11.01 @ 10:48:39

TEST COMMENT: IF - Weak blow building to 7"
FF - Weak blow building to 8"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1345.57	92.53	Initial Hydro-static
2	24.02	92.31	Open To Flow (1)
32	79.37	94.11	Shut-In(1)
77	797.52	96.62	End Shut-In(1)
78	86.92	96.38	Open To Flow (2)
137	145.95	100.16	Shut-In(2)
228	788.82	101.40	End Shut-In(2)
233	1311.06	100.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW w / Tr O 85%W & 15%M	0.89
120.00	WM w / Tr O 2%W & 98%M	1.09

Gas Rates

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



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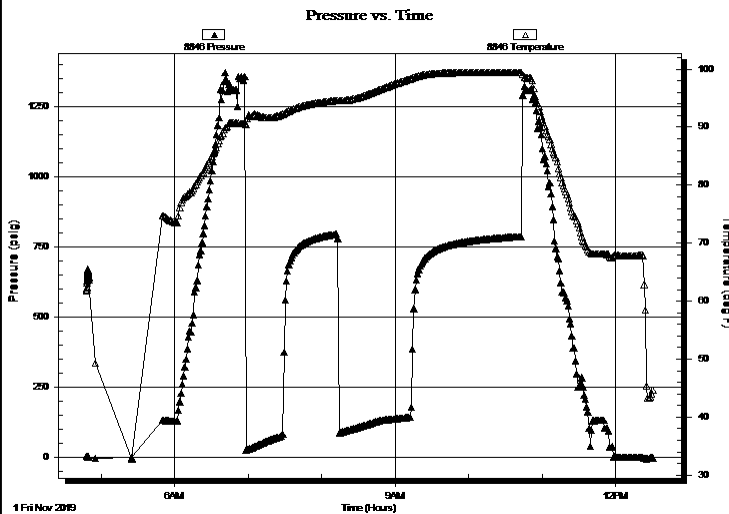
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Tester: Jimmy Ricketts
Unit No: 80
Reference Elevations: 1313.00 ft (KB)
1304.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8846 Inside
Press@RunDepth: psig @ 2695.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.11.01 End Date: 2019.11.01 Last Calib.: 1899.12.30
Start Time: 04:48:01 End Time: 12:30:50 Time On Btm:
Time Off Btm:

TEST COMMENT: IF - Weak blow building to 7"
FF - Weak blow building to 8"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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120.00	WM w/ Tr O 2%W & 98%M	1.09

Gas Rates

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



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FLUID SUMMARY

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PO Box 377
Attica, KS 67009-0377
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35-25S-3E Butler, KS
Sprague #1
Job Ticket: 65412 **DST#: 1**
Test Start: 2019.11.01 @ 04:48:00

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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MW w/ Tr O 85%W & 15%M	0.885
120.00	WM w/ Tr O 2%W & 98%M	1.091

Total Length: 300.00 ft Total Volume: 1.976 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

