



DRILL STEM TEST REPORT

Prepared For: **YOIUNGER EMERGY COMPANY**

9415 E HARRY SUITE 4035
WICHITAA, KANSAS 67207-

ATTN: KEITH REAVIS

GEORGIANN BAUER 1-27

27-21S-15W PAWNEE

Start Date: 2017.04.24 @ 08:30:00

End Date: 2017.04.24 @ 02:36:00

Job Ticket #: 01165 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2017.04.25 @ 00:55:19



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YOIUNGER EMERGY COMPANY

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ATTN: KEITH REAVIS

Job Ticket: 01165

DST#: 1

Test Start: 2017.04.24 @ 08:30:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:00:00

Time Test Ended: 02:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3700.00 ft (KB) To 3773.00 ft (KB) (TVD)**

Reference Elevations: 1962.00 ft (KB)

Total Depth: 3773.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9139

Inside

Press@RunDepth: 1346.29 psia @ 3868.60 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.04.24

End Date:

2017.04.24

Last Calib.:

2017.04.24

Start Time: 08:31:00

End Time:

14:35:30

Time On Btm:

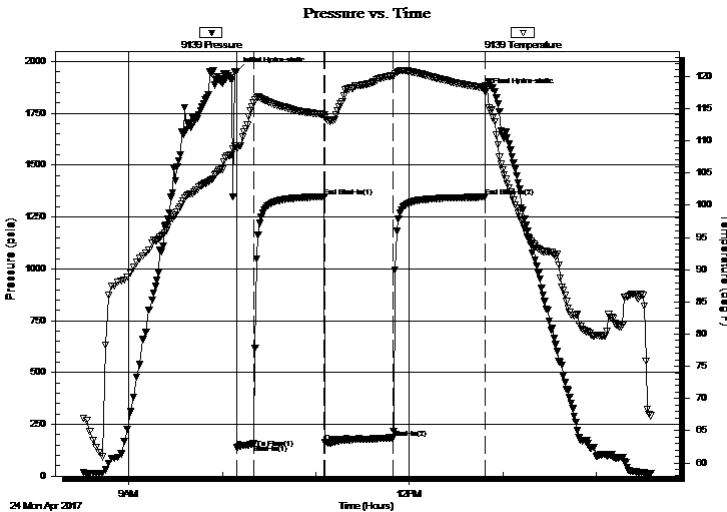
2017.04.24 @ 10:09:00

Time Off Btm:

2017.04.24 @ 12:49:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK SURFACE BLOW THROUGH OUT
1ST SHUT-IN 45 MINUTES NO BLOW BACK
2ND OPENING 45 MINUTES WEAK SURFACE BLOW THROUGH OUT
2ND SHUT-IN 60 MINUTES NO BLOW BACK

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.25	109.25	Initial Hydro-static
1	136.32	108.84	Open To Flow (1)
11	155.48	115.83	Shut-In(1)
57	1348.39	114.09	End Shut-In(1)
57	163.60	113.62	Open To Flow (2)
101	184.94	120.09	Shut-In(2)
160	1346.29	118.25	End Shut-In(2)
160	1852.05	118.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OIL AND GAS CUT MUD	1.26
0.00	20 GAS 30 OIL 50 MUD	0.00
60.00	OIL AND GAS CUT MUD	0.84
0.00	30 GAS 30 OIL 40 MUD	0.00

Gas Rates

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



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ATTN: KEITH REAVIS

Job Ticket: 01165

DST#: 1

Test Start: 2017.04.24 @ 08:30:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:00:00

Time Test Ended: 02:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3700.00 ft (KB) To 3773.00 ft (KB) (TVD)**

Reference Elevations: 1962.00 ft (KB)

Total Depth: 3773.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **91716** Outside

Press@RunDepth: 1340.41 psia @ 3868.60 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.04.24

End Date: 2017.04.24

Last Calib.: 2017.04.24

Start Time: 08:30:30

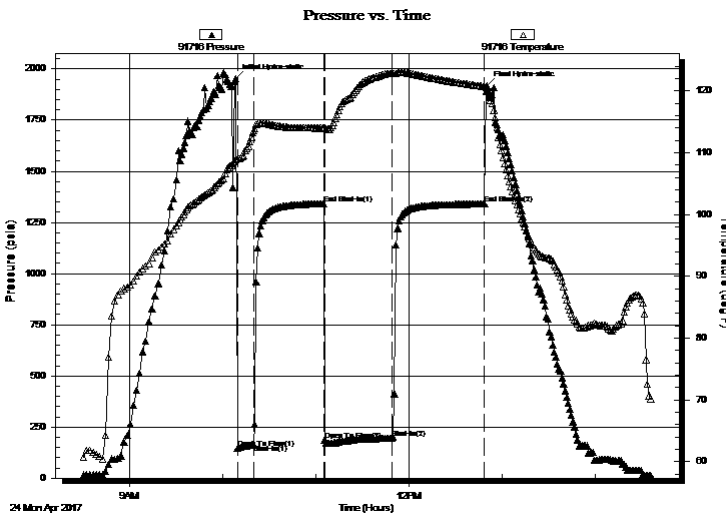
End Time: 14:35:30

Time On Btm: 2017.04.24 @ 10:08:30

Time Off Btm: 2017.04.24 @ 12:50:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK SURFACE BLOW THROUGH OUT
1ST SHUT-IN 45 MINUTES NO BLOW BACK
2ND OPENING 45 MINUTES WEAK SURFACE BLOW THROUGH OUT
2ND SHUT-IN 60 MINUTES NO BLOW BACK

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1951.70	108.88	Initial Hydro-static
1	145.91	108.99	Open To Flow (1)
12	164.52	113.57	Shut-In(1)
57	1342.58	114.04	End Shut-In(1)
57	186.86	114.03	Open To Flow (2)
101	196.46	122.80	Shut-In(2)
160	1340.41	120.75	End Shut-In(2)
162	1916.57	120.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OIL AND GAS CUT MUD	1.26
0.00	20 GAS 30 OIL 50 MUD	0.00
60.00	OIL AND GAS CUT MUD	0.84
0.00	30 GAS 30 OIL 40 MUD	0.00

Gas Rates

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



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FLUID SUMMARY

YOIUNGER EMERGY COMPANY

27-21S-15W PAWNEE

9415 E HARRY SUITE 4035
WICHITAA, KANSAS 67207-

GEORGIANN BAUER 1-27

Job Ticket: 01165

DST#: 1

ATTN: KEITH REAVIS

Test Start: 2017.04.24 @ 08:30:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OIL AND GAS CUT MUD	1.262
0.00	20 GAS 30 OIL 50 MUD	0.000
60.00	OIL AND GAS CUT MUD	0.842
0.00	30 GAS 30 OIL 40 MUD	0.000

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

