



DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

501 N 4th
Purcell, OK 73080

ATTN: David Hickman

Bock #1-17

17-28S-8W Kingman,KS

Start Date: 2017.11.05 @ 22:14:23

End Date: 2017.11.06 @ 08:09:38

Job Ticket #: 57849 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.11.09 @ 10:49:37



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pollok Energy
501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 57849 **DST#: 1**
Test Start: 2017.11.05 @ 22:14:23

GENERAL INFORMATION:

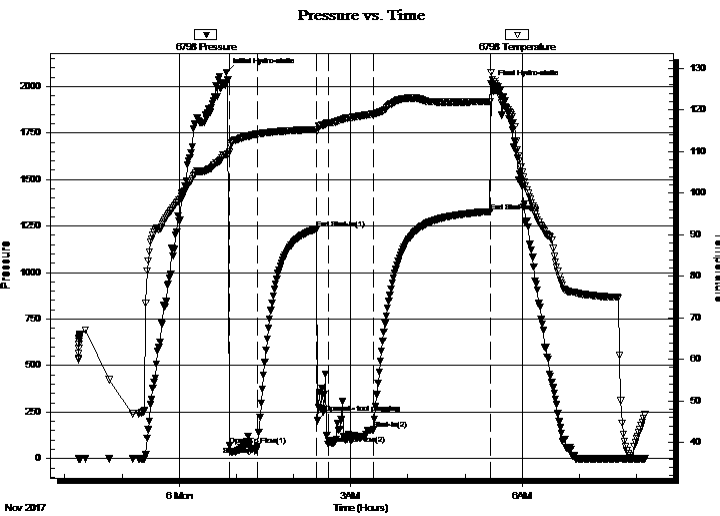
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:52:23
Time Test Ended: 08:09:38
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Interval: **4133.00 ft (KB) To 4203.00 ft (KB) (TVD)**
Reference Elevations: 1670.00 ft (KB)
Total Depth: 4203.00 ft (KB) (TVD) 1662.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 158.84 psig @ 4134.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.11.05 End Date: 2017.11.06 Last Calib.: 2017.11.06
Start Time: 22:14:24 End Time: 08:09:38 Time On Btm: 2017.11.06 @ 00:49:53
Time Off Btm: 2017.11.06 @ 05:27:23

TEST COMMENT: IF: Strong Blow , BOB in 90 seconds
IS: Blow Back Built to 6"
FF: Strong Blow , BOB in 30 seconds, GTS in 1 minute, Caught Sample & Gauged
FS: Blow Back Built to 4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.51	109.22	Initial Hydro-static
3	69.22	109.83	Open To Flow (1)
33	65.08	114.20	Shut-In(1)
94	1232.77	115.32	End Shut-In(1)
95	204.24	115.08	Opened - tool plugging
107	78.96	116.93	Open To Flow (2)
154	158.84	119.01	Shut-In(2)
277	1327.96	121.95	End Shut-In(2)
278	2011.91	129.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3953 GIP	0.00
180.00	GWCM 5%G 20%W 75%M	2.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	4.76
Last Gas Rate	0.13	14.00	5.24
Max. Gas Rate	0.13	14.00	5.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pollok Energy
501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 57849 **DST#: 1**
Test Start: 2017.11.05 @ 22:14:23

Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.98 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4133.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4110.00	
Sampler	2.00			4112.00	
Hydraulic tool	5.00			4117.00	
Jars	5.00			4122.00	
Safety Joint	2.00			4124.00	
Packer	5.00			4129.00	28.00 Bottom Of Top Packer
Packer	4.00			4133.00	
Stubb	1.00			4134.00	
Recorder	0.00	6798	Inside	4134.00	
Recorder	0.00	6806	Outside	4134.00	
Perforations	3.00			4137.00	
Change Over Sub	1.00			4138.00	
Drill Pipe	31.00			4169.00	
Change Over Sub	2.00			4171.00	
perforations	29.00			4200.00	
Bullnose	3.00			4203.00	70.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Pollok Energy
501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 57849 **DST#: 1**
Test Start: 2017.11.05 @ 22:14:23

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:	82000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3953 GIP	0.000
180.00	GWCM 5%G 20%W 75%M	2.525

Total Length: 180.00 ft Total Volume: 2.525 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW w as .2 @ 32 degrees
Sampler Data: 100 ml WCM 80%M 20%W
7 CU FT Gas @ 10PSI



**TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Pollok Energy

17-28S-8W Kingman,KS

501 N 4th
Purcell, OK 73080

Bock #1-17

Job Ticket: 57849

DST#: 1

ATTN: David Hickman

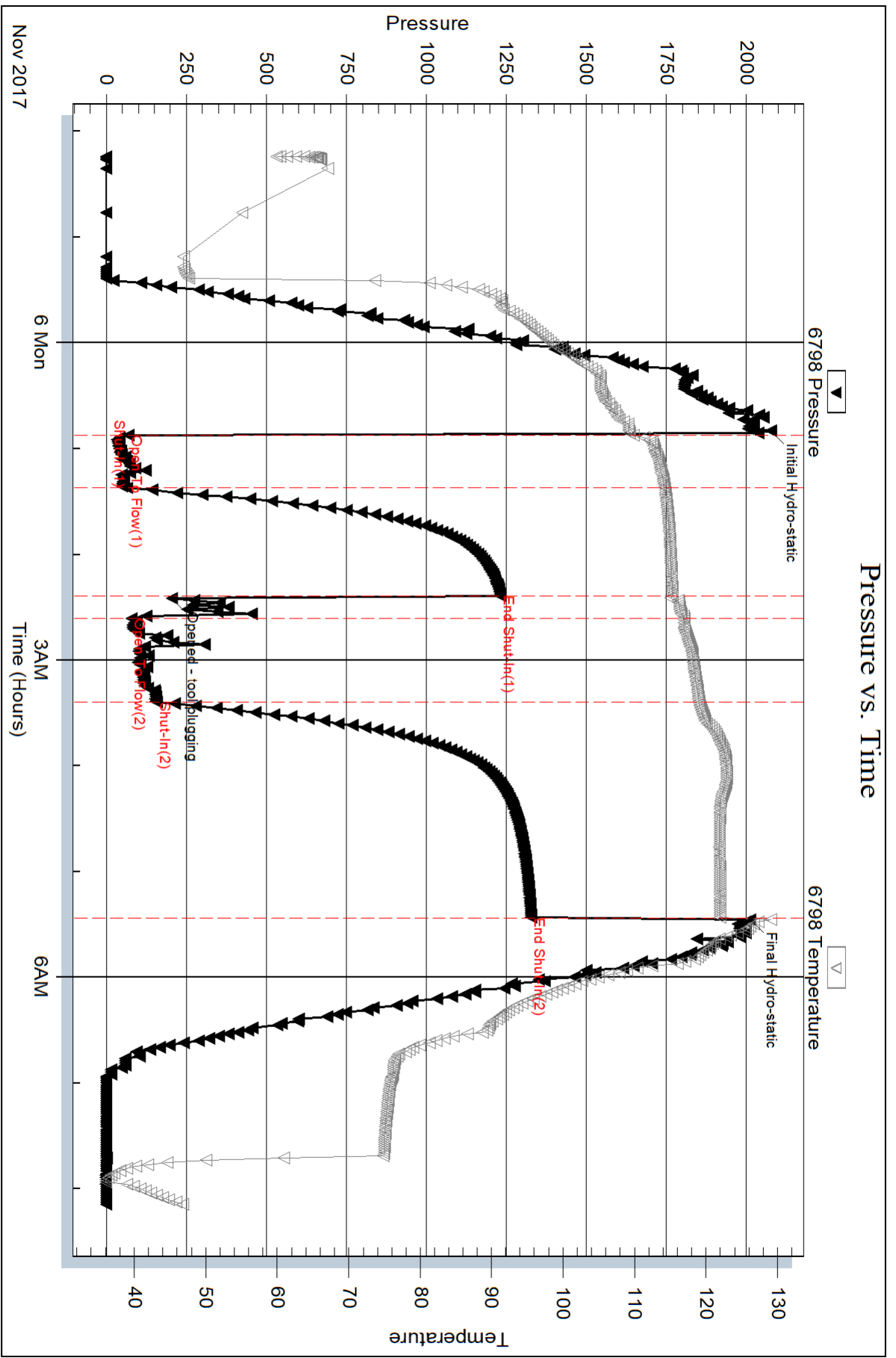
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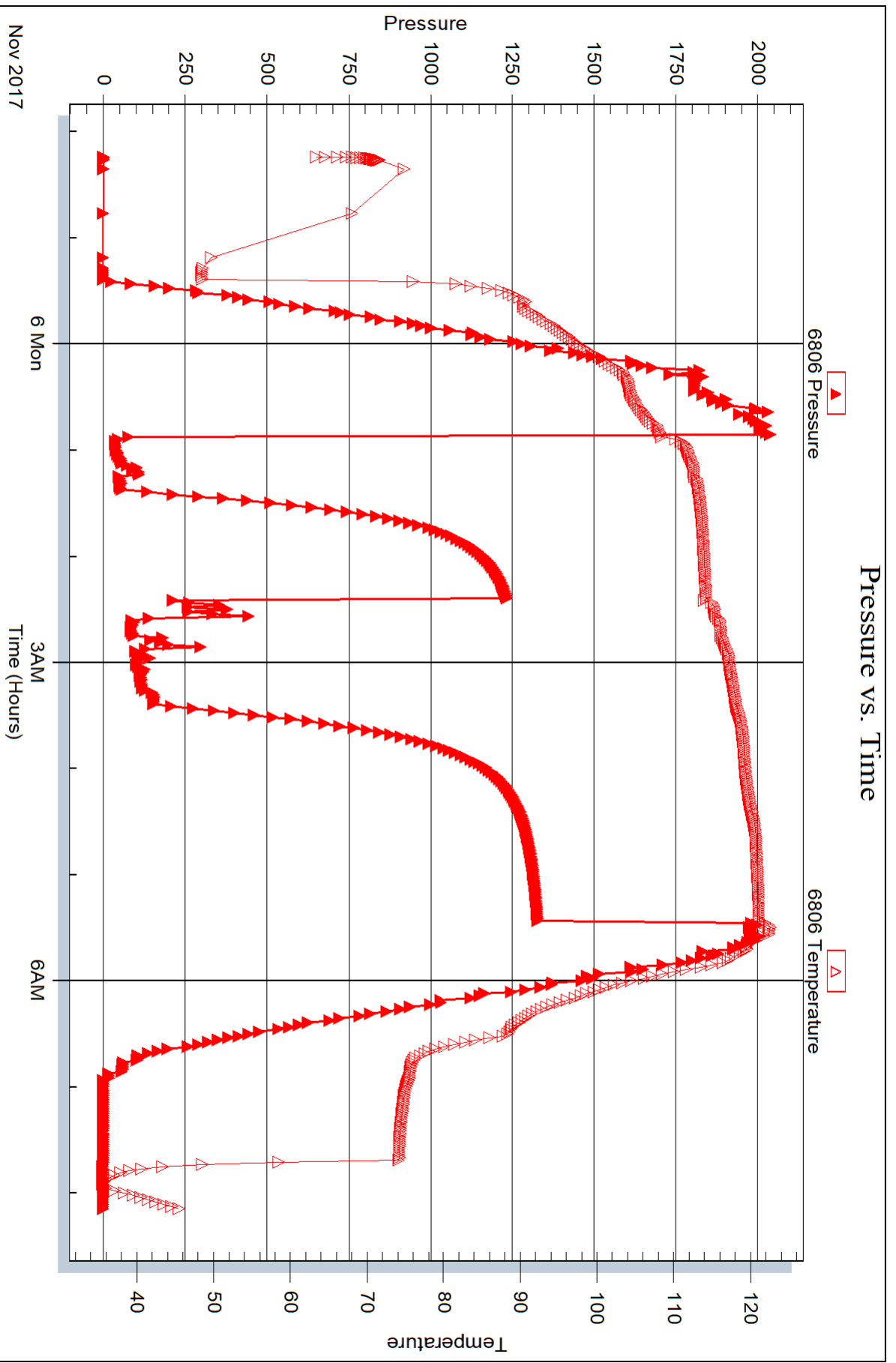
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	3.00	4.76
2	20	0.13	4.00	1.50
2	30	0.13	7.00	2.62
2	40	0.13	10.00	3.74
2	50	0.13	12.00	4.49
2	60	0.13	14.00	5.24







DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

501 N 4th
Purcell, OK 73080

ATTN: David Hickman

Bock #1-17

17-28S-8W Kingman,KS

Start Date: 2017.11.06 @ 14:37:01

End Date: 2017.11.06 @ 23:10:16

Job Ticket #: 57850 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.11.09 @ 10:52:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pollok Energy
 501 N 4th
 Purcell, OK 73080
 ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
 Job Ticket: 57850 **DST#: 2**
 Test Start: 2017.11.06 @ 14:37:01

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:18:16 Tester: Leal Cason
 Time Test Ended: 23:10:16 Unit No: 74
 Interval: **4205.00 ft (KB) To 4244.00 ft (KB) (TVD)** Reference Elevations: 1670.00 ft (KB)
 Total Depth: 4244.00 ft (KB) (TVD) 1662.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

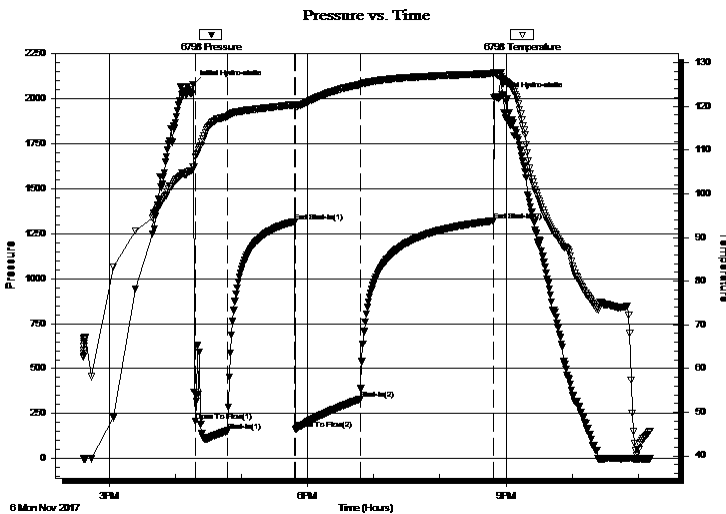
Serial #: 6798

Inside

Press@RunDepth: 331.90 psig @ 4206.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.11.06 End Date: 2017.11.06 Last Calib.: 2017.11.06
 Start Time: 14:37:02 End Time: 23:10:16 Time On Btm: 2017.11.06 @ 16:16:16
 Time Off Btm: 2017.11.06 @ 20:50:16

TEST COMMENT: IF: Strong Blow , BOB in 60 secods
 IS: Weak Surface Blow Back
 FF: Fair Blow , BOB in 5 minutes
 FS: Weak Surface Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.63	106.03	Initial Hydro-static
2	208.72	108.46	Open To Flow (1)
31	154.79	117.69	Shut-In(1)
92	1317.49	120.36	End Shut-In(1)
93	162.33	120.03	Open To Flow (2)
152	331.90	124.98	Shut-In(2)
272	1321.20	127.46	End Shut-In(2)
274	2014.14	127.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
441.00	Water	6.19
189.00	GOMCW 5%G 5%O 30%M 60%W	2.65
55.00	SGCM 2%G 98%M	0.77

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pollok Energy
501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 57850 **DST#: 2**
Test Start: 2017.11.06 @ 14:37:01

Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 58.84 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4205.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4182.00	
sampler	2.00			4184.00	
Hydraulic tool	5.00			4189.00	
Jars	5.00			4194.00	
Safety Joint	2.00			4196.00	
Packer	5.00			4201.00	28.00 Bottom Of Top Packer
Packer	4.00			4205.00	
Stubb	1.00			4206.00	
Recorder	0.00	6798	Inside	4206.00	
Recorder	0.00	6806	Outside	4206.00	
Perforations	36.00			4242.00	
Bullnose	3.00			4245.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 57850 **DST#: 2**
Test Start: 2017.11.06 @ 14:37:01

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:	79000 ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

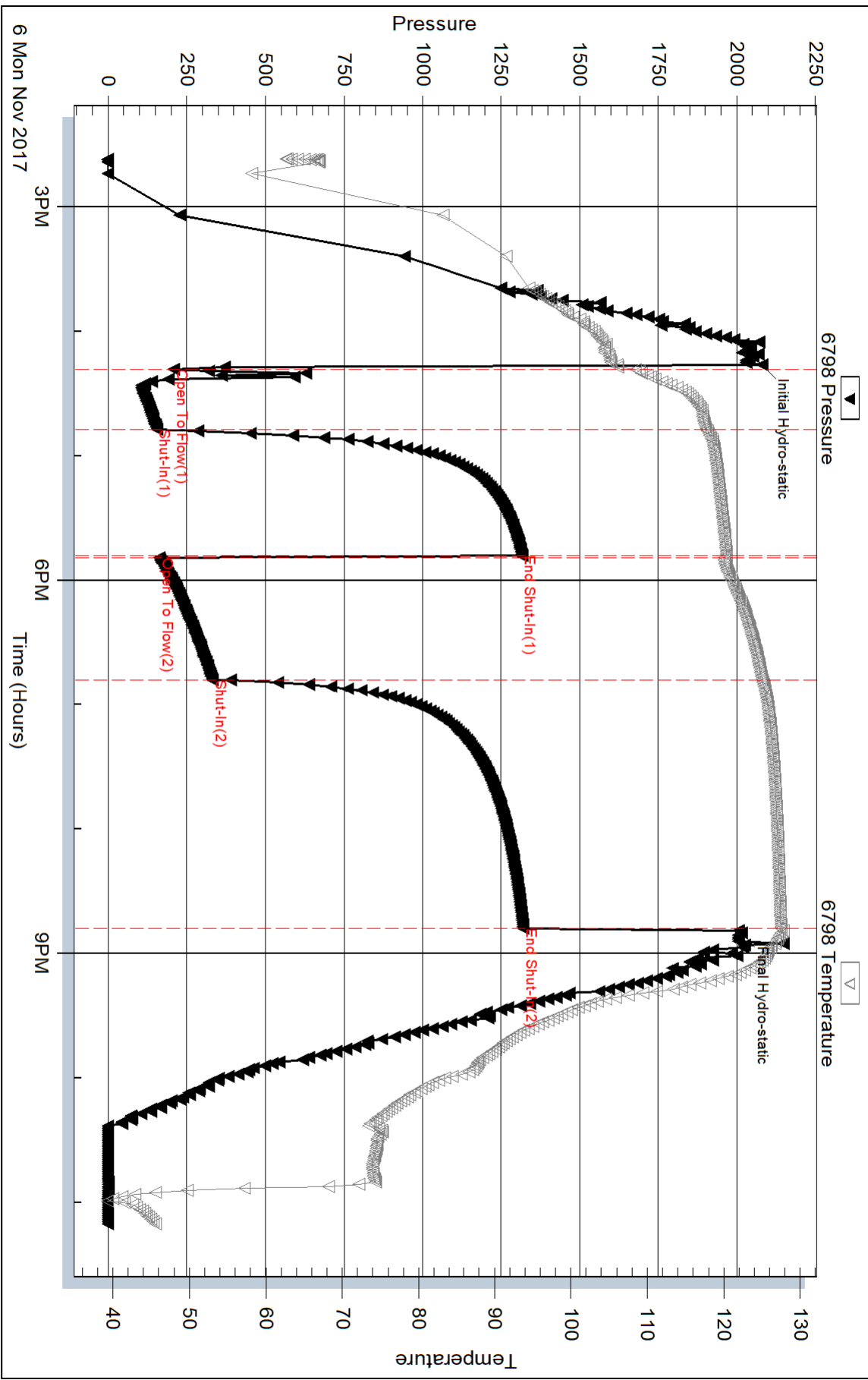
Recovery Information

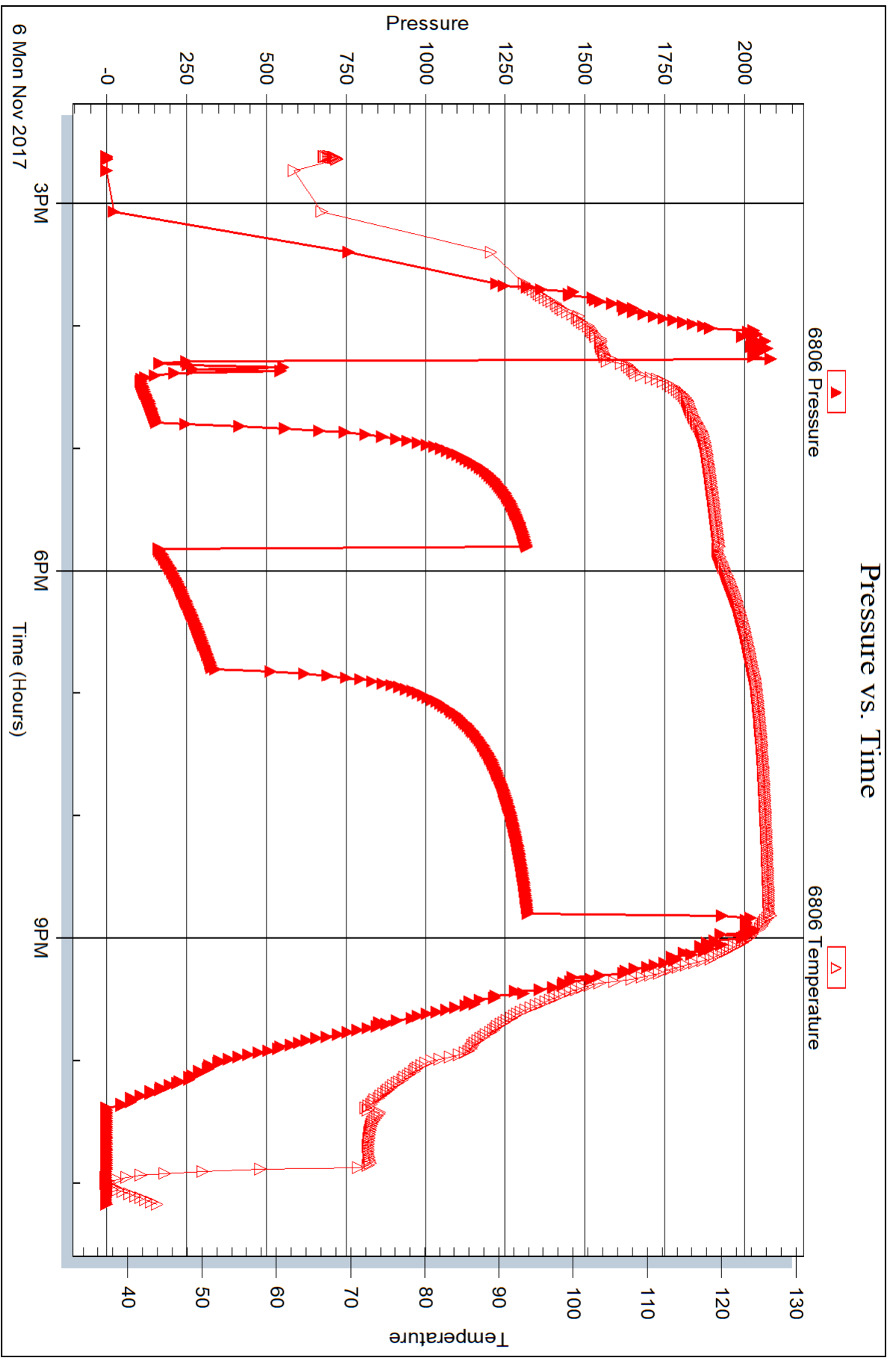
Recovery Table

Length ft	Description	Volume bbl
441.00	Water	6.186
189.00	GOMCW 5%G 5%O 30%M 60%W	2.651
55.00	SGCM 2%G 98%M	0.772

Total Length: 685.00 ft Total Volume: 9.609 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW w as .17 @ 41 degrees
 Sampler Data: 2.02 CU FT Gas, 600ml Water @ 2 psi

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

501 N 4th
Purcell, OK 73080

ATTN: David Hickman

Bock #1-17

17-28S-8W Kingman,KS

Start Date: 2017.11.07 @ 08:53:33

End Date: 2017.11.07 @ 17:48:18

Job Ticket #: 63626 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.11.09 @ 10:50:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pollok Energy
 501 N 4th
 Purcell, OK 73080
 ATTN: David Hickman

17-28S-8W Kingman, KS
Bock #1-17
 Job Ticket: 63626 **DST#: 3**
 Test Start: 2017.11.07 @ 08:53:33

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 11:03:48 Tester: Leal Cason
 Time Test Ended: 17:48:18 Unit No: 74
 Interval: **4243.00 ft (KB) To 4278.00 ft (KB) (TVD)** Reference Elevations: 1670.00 ft (KB)
 Total Depth: 4278.00 ft (KB) (TVD) 1662.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

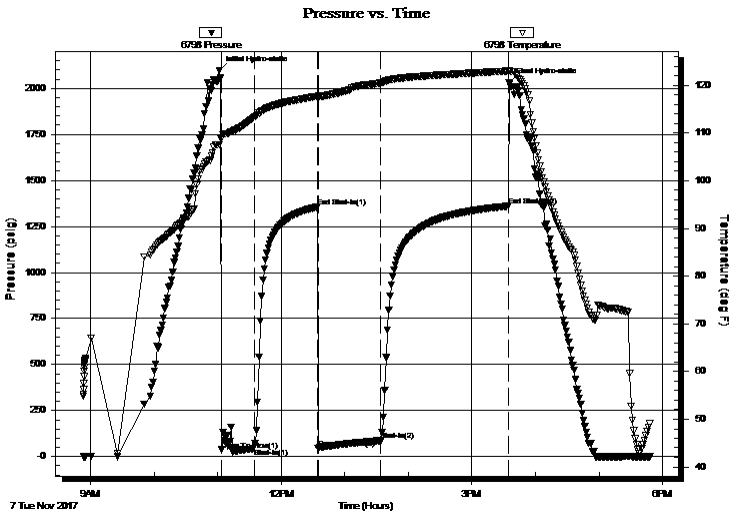
Serial #: 6798

Inside

Press@RunDepth: 86.75 psig @ 4244.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.11.07 End Date: 2017.11.07 Last Calib.: 2017.11.07
 Start Time: 08:53:34 End Time: 17:48:18 Time On Btm: 2017.11.07 @ 11:01:33
 Time Off Btm: 2017.11.07 @ 15:35:03

TEST COMMENT: IF: Fair Blow , BOB in 16 minutes
 IS: No Blow Back
 FF: Weak Blow , BOB in 32 minutes
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.30	107.59	Initial Hydro-static
3	36.87	108.80	Open To Flow (1)
33	43.59	113.24	Shut-In(1)
93	1355.31	117.70	End Shut-In(1)
94	46.29	117.68	Open To Flow (2)
153	86.75	120.51	Shut-In(2)
273	1360.35	123.00	End Shut-In(2)
274	2032.83	123.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	MCW 5%M 95%W	1.77
15.00	MOCW 10%M 20%O 70%W	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pollok Energy
501 N 4th
Purcell, OK 73080
ATTN: David Hickman

17-28S-8W Kingman,KS
Bock #1-17
Job Ticket: 63626 **DST#: 3**
Test Start: 2017.11.07 @ 08:53:33

Tool Information

Drill Pipe:	Length: 4239.00 ft	Diameter: 3.80 inches	Volume: 59.46 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.46 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4243.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4220.00	
sampler	2.00			4222.00	
Hydraulic tool	5.00			4227.00	
Jars	5.00			4232.00	
Safety Joint	2.00			4234.00	
Packer	5.00			4239.00	28.00 Bottom Of Top Packer
Packer	4.00			4243.00	
Stubb	1.00			4244.00	
Recorder	0.00	6798	Inside	4244.00	
Recorder	0.00	6806	Outside	4244.00	
Perforations	31.00			4275.00	
Bullnose	3.00			4278.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pollok Energy

17-28S-8W Kingman,KS

501 N 4th
Purcell, OK 73080

Bock #1-17

Job Ticket: 63626

DST#: 3

ATTN: David Hickman

Test Start: 2017.11.07 @ 08:53:33

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:

77000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	MCW 5%M 95%W	1.767
15.00	MOCW 10%M 20%O 70%W	0.210

Total Length: 141.00 ft Total Volume: 1.977 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

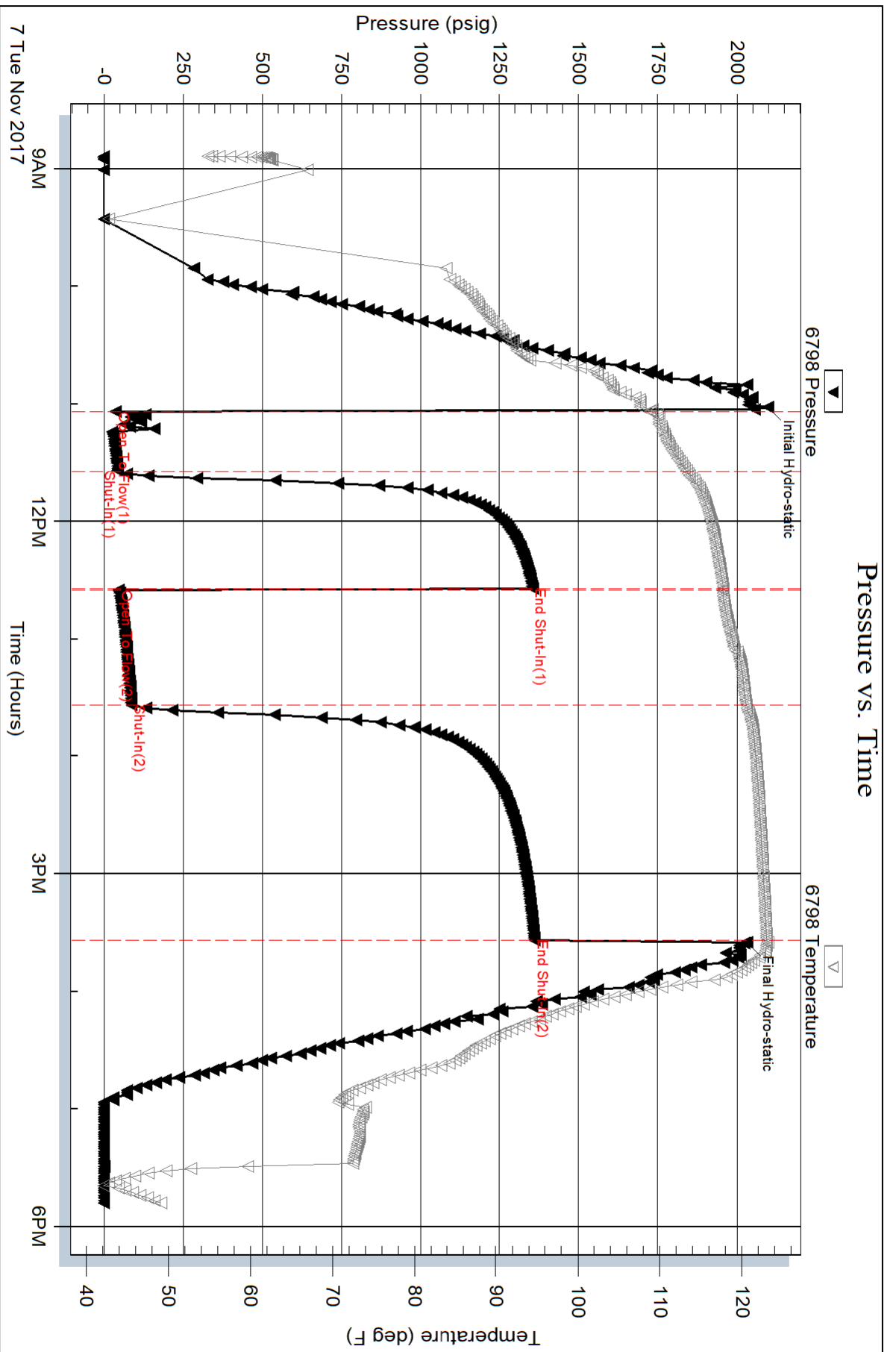
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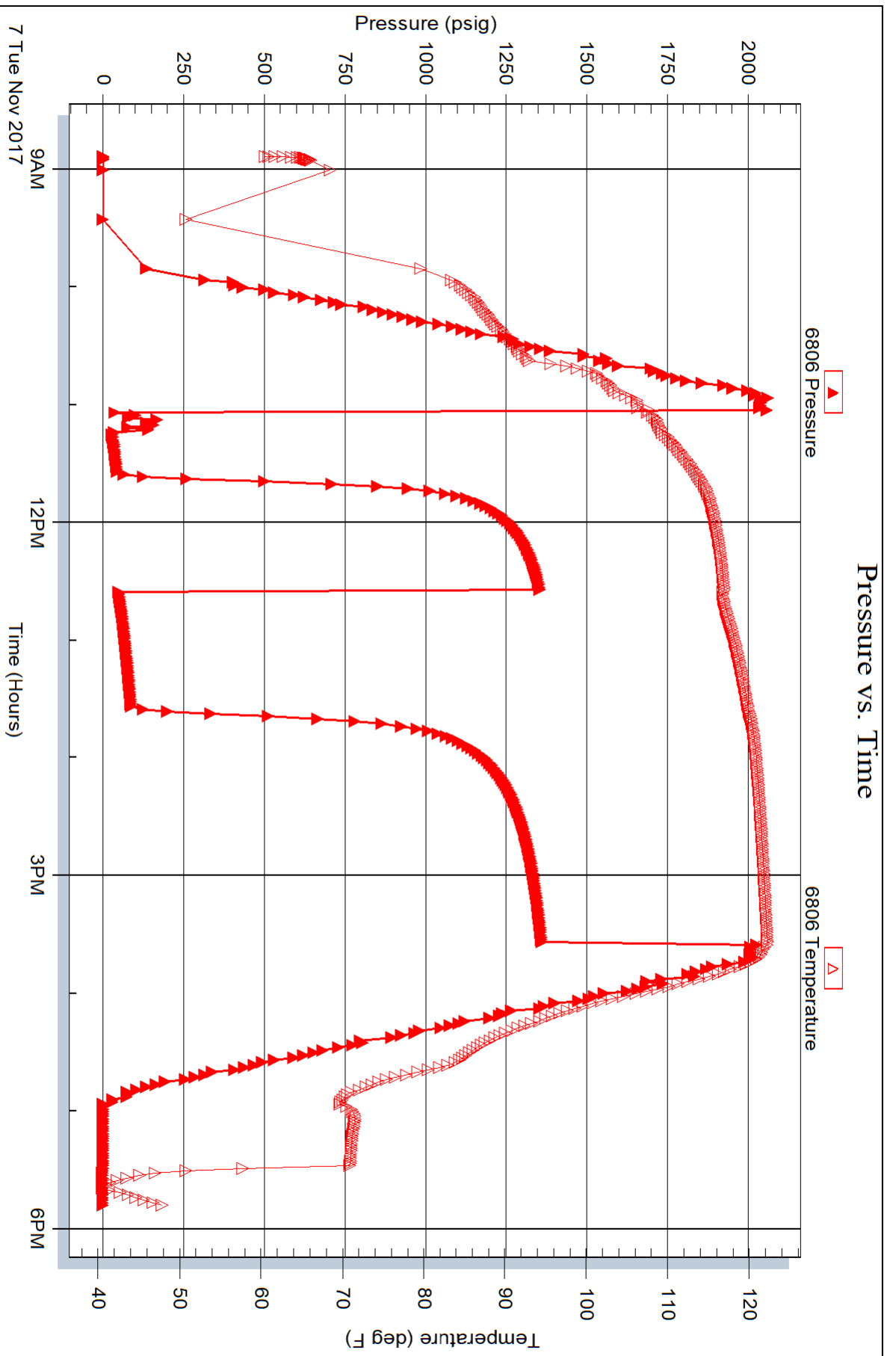
Laboratory Name:

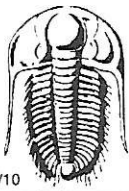
Laboratory Location:

Recovery Comments: RW w as .19 @ 37 degrees

Sampler Data: 200 ml Water







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57849

Well Name & No. J-17 BOCK Test No. 1 Date 10/05/17
 Company Pollok Energy Elevation 1670 KB 1662 GL
 Address 501 N. 4th Purcell, OK 73080
 Co. Rep / Geo. David Hickman Rig Duke 2
 Location: Sec. 17 Twp. 28S Rge. 8W Co. Kingman State KS

Interval Tested 4133 - 4203 Zone Tested MISSISSIPPI
 Anchor Length 70 Drill Pipe Run 4133 Mud Wt. 9.3
 Top Packer Depth 4128 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 4133 Wt. Pipe Run _____ WL 9.4
 Total Depth 4203 Chlorides 4000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 90 seconds
ISI: Blow Back Built to 6 inches
FF: Strong Blow, BOB in 30 seconds, GTS in 1 minute, caught sample + Gauged
FSI: Blow Back Built to 4 inches

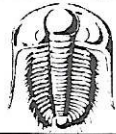
Rec	Feet of	%gas	%oil	%water	%mud
<u>3953</u>	<u>GIP</u>				
<u>180</u>	<u>GWCM</u>	<u>5</u>		<u>20</u>	<u>75</u>
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud
____	____	%gas	%oil	%water	%mud

Rec Total 180 BHT 129 Gravity _____ API RW .2 @ 32 ° F Chlorides 82,000 ppm

(A) Initial Hydrostatic 2075 Test 1150 T-On Location 20:15
 (B) First Initial Flow 69 Jars 250 T-Started _____
 (C) First Final Flow 65 Safety Joint 75 T-Open _____
 (D) Initial Shut-In 1233 Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow 204 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 159 Mileage (90) 67.50 Comments _____
 (G) Final Shut-In 1328 Sampler 250 _____
 (H) Final Hydrostatic 2012 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1792.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1792.50

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 57849 Date 11/05/17

Company Name Pollak Energy

Lease 1-17 BOCK Test No. 1

County Kingman Sec. 17 Twp. 28S Rng. 8W

SAMPLER RECOVERY

Gas 7 cu FT ML

Oil N/A ML

Mud 80 ML

Water 20 ML

Other N/A ML

Pressure 10 PSI ML

Total 100 ML

PIT MUD ANALYSIS

Chlorides 4000 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 45

Mud Weight 9.3

Filtrate 9.4

Other 2# LCM

SAMPLER ANALYSIS

Resistivity .2 ohms @ 32 F

Chlorides 82000 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

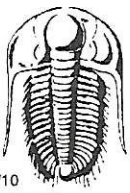
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57850

Well Name & No. 1-17 BOCK Test No. 2 Date 11/06/17
 Company Pollok Energy Elevation 1670 KB 1662 GL
 Address 501 N. 4th Purcell, OK 73080
 Co. Rep / Geo. David Hickman Rig Duke 2
 Location: Sec. 17 Twp. 29S Rge. 8w Co. Kingman State KS

Interval Tested 4205 - 4244 Zone Tested Mississippi
 Anchor Length 39 Drill Pipe Run 4195 Mud Wt. 9.0
 Top Packer Depth 4200 Drill Collars Run 0 Vis 69
 Bottom Packer Depth 4205 Wt. Pipe Run 0 WL 9.2
 Total Depth 4244 Chlorides 5000 ppm System LCM 2

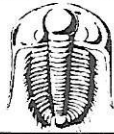
Blow Description IF: Strong Blow, BOB in 1 minute
ISI: weak surface Blow Back
FF: Fair Blow, BOB in 5 minutes
FST: weak surface Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>SGCM</u>	<u>2</u>			<u>98</u>
<u>189</u>	<u>GOMCW</u>	<u>5</u>	<u>5</u>	<u>60</u>	<u>30</u>
<u>441</u>	<u>water</u>				
Rec Total	<u>685</u>	BHT <u>127</u>	Gravity <u>NIC</u>	API RW <u>17</u>	@ <u>41</u> °F Chlorides <u>79000</u> ppm

(A) Initial Hydrostatic 2081 Test 1150 T-On Location 14:00
 (B) First Initial Flow 209 Jars 250 T-Started 14:37
 (C) First Final Flow 155 Safety Joint 75 T-Open 16:18
 (D) Initial Shut-In 1317 Circ Sub _____ T-Pulled 20:48
 (E) Second Initial Flow 162 Hourly Standby _____ T-Out 23:10
 (F) Second Final Flow 332 Mileage (90) 67.50 Comments _____
 (G) Final Shut-In 1321 Sampler 250 _____
 (H) Final Hydrostatic 2014 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1792.50 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 57850 Date 11/06/17
 Company Name Pollak Energy
 Lease 1-17 Bock Test No. 2
 County Kingman Sec. 17 Twp. 28S Rng. 8W

SAMPLER RECOVERY

Gas 2.02 cuFT ML
 Oil _____ ML
 Mud _____ ML
 Water 600 ml ML
 Other _____ ML
 Pressure 2 psi ML
 Total 600 ML

PIT MUD ANALYSIS

Chlorides 5000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 69
 Mud Weight 9.0
9.2
 Filtrate _____
 Other 2# LCM

SAMPLER ANALYSIS

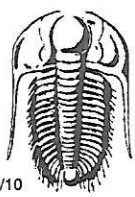
Resistivity .17 ohms @ 41° F
 Chlorides 79000 ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity .17 ohms @ 41 F
 Chlorides 79000 ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63626**

Well Name & No. 1-17 BOEK Test No. 3 Date 11/07/17
 Company Pollok Energy Elevation 1670 KB 1662 GL
 Address 501 N. 4th Purcell, OK 73080
 Co. Rep / Geo. David Hickman Rig Duke 2
 Location: Sec. 17 Twp. 28S Rge. 8W Co. Kingman State KS

Interval Tested ~~4250~~ 4243 - 4278 Zone Tested Mississippi
 Anchor Length 35 Drill Pipe Run 4239 Mud Wt. 9.0
 Top Packer Depth 4238 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 4243 Wt. Pipe Run 0 WL 9.2
 Total Depth 4278 Chlorides 5000 ppm System LCM 1

Blow Description IF: Fair Blow, BOB in 16 minutes
ISI: NO Blow Back
FF: weak Blow, BOB in 32 minutes
FSI:

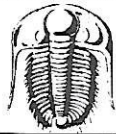
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OMCW</u>		<u>20%</u>	<u>70%</u>	<u>10%</u>
<u>126</u>	<u>MCW</u>			<u>95%</u>	<u>5%</u>

Rec Total 141 BHT 123 Gravity N/C API RW .19 @ 37 °F Chlorides 77000 ppm

(A) Initial Hydrostatic <u>2097</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>06:45</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>08:53</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:03</u>
(D) Initial Shut-In <u>1355</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:34</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:48</u>
(F) Second Final Flow <u>87</u>	<input checked="" type="checkbox"/> Mileage <u>90</u> ^{67.50} +67.50	Comments <u>loaded TOOLS</u>
(G) Final Shut-In <u>1360</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>@ 2200 on 11/08</u>
(H) Final Hydrostatic <u>2033</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby	Total <u>1860.00</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1860</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 63626 Date 11/07/17
 Company Name Pollok Energy
 Lease 1-17 BOCK Test No. 3
 County Kingman Sec. 17 Twp. 285 Rng. 8W

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water 200 ML
 Other _____ ML
 Pressure _____ ML
 Total 200 ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity _____
 Mud Weight _____
 Filtrate _____
 Other _____

SAMPLER ANALYSIS

Resistivity 19 ohms @ 37 F
 Chlorides 77000 ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity 19 ohms @ 37 F
 Chlorides 77000 ppm.