



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

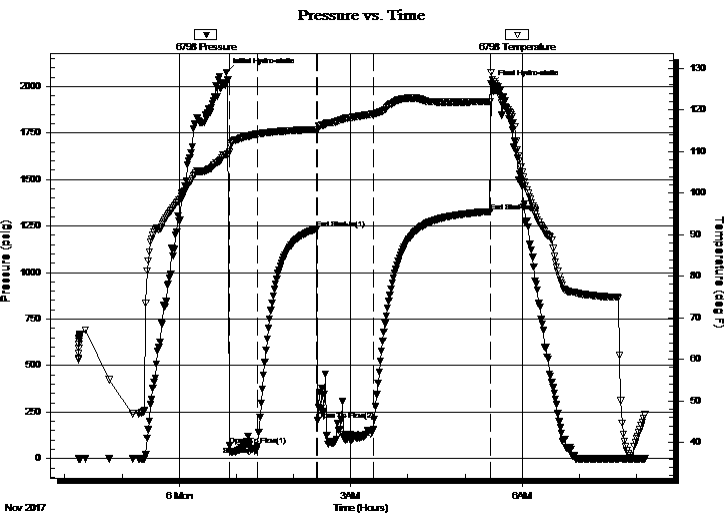
17-28S-8W Kingman
1-17 Bock
Job Ticket: 57849 **DST#: 1**
Test Start: 2017.11.05 @ 22:14:23

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 00:52:23 Tester: Leal Cason
Time Test Ended: 08:09:38 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 inches
FF: Strong Blow , BOB in 30 seconds, GTS in 1 minute, Caught Sample & Guaged
FS: Blow Back Built to 4 inches



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	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	GTS	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



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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:

82000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.38 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
0.00	GTS	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 #:

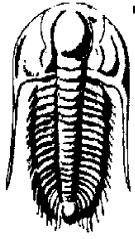
Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .2 @ 32 degrees

Sampler Data: 100 ml WCM 80%M 20%W

7 CU FT Gas @ 10PSI



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GAS RATES

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Job Ticket: 57849

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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

Pressure vs. Time

