

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

EOG Resources Inc.

Gillespie 21-1

3817 NW Expressway Oklahoma City Ok. 73112-1483

21/32/37

Job Ticket: 39442

DST#: 1

ATTN: Mike K.

Test Start: 2011.07.11 @ 03:30:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:24:00

Time Test Ended: 14:43:30

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6328.00 ft (KB) To 6400.00 ft (KB) (TVD)**

Reference Elevations: 3156.00 ft (KB)

Total Depth: 6400.00 ft (KB) (TVD)

3146.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6772 Inside

Press@RunDepth: 83.19 psig @ 6331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.11

End Date:

2011.07.11

Last Calib.: 2011.07.11

Start Time: 03:30:05

End Time:

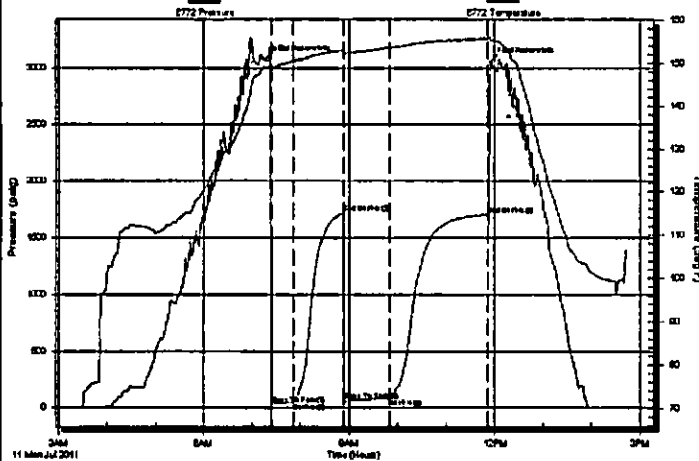
14:43:30

Time On Btrt: 2011.07.11 @ 07:16:15

Time Off Btrt: 2011.07.11 @ 11:55:00

TEST COMMENT: IF- Weak building blow, 9" in bucket.
IS- No blow back.
FF- Weak building blow, 4.5" in the bucket.
FSI- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3076.61	149.02	Initial Hydro-static
8	28.63	148.86	Open To Flow (1)
35	48.65	150.37	Shut-In(1)
97	1716.31	152.87	End Shut-In(1)
98	60.55	152.34	Open To Flow (2)
154	83.19	153.55	Shut-In(2)
276	1705.06	155.76	End Shut-In(2)
279	3058.04	155.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	470 GIP	0.00
100.00	100% mud w ith trace of oil and gas.	0.49

Gas Rates

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



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FLUID SUMMARY

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21/32/37

Job Ticket: 39442

DST#: 1

ATTN: Mike K.

Test Start: 2011.07.11 @ 03:30:00

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: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	470 GIP	0.000
100.00	100% mud with trace of oil and gas.	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbf

Num Fluid Samples: 0

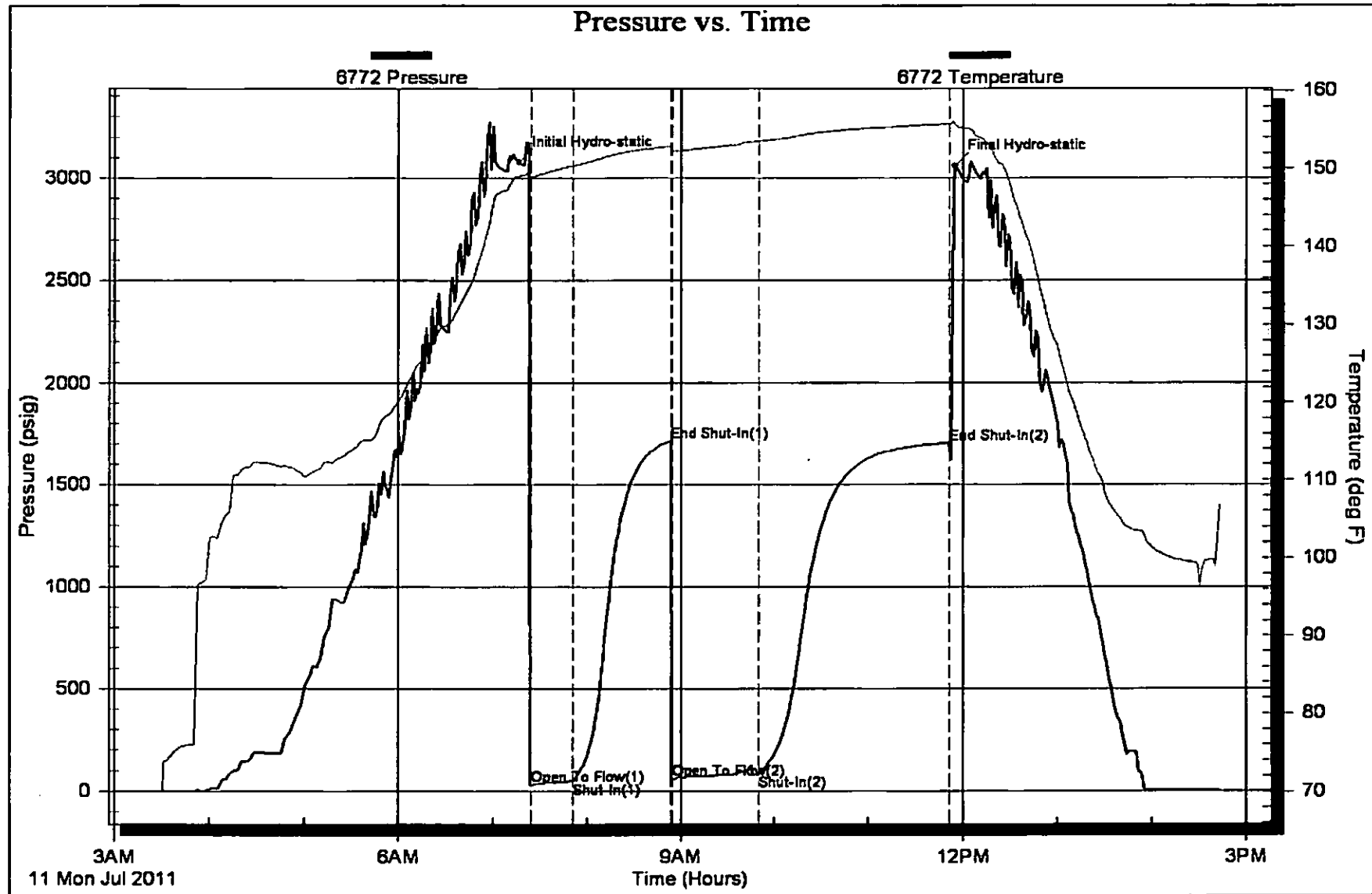
Num Gas Bombs: 0

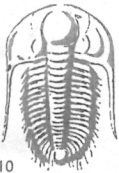
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 2000 ML mud with trace of oil with 3 CFD gas @ 1700 PSI





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUL 14 2011

Test Ticket

NO. 039442 | 6002

Well Name & No. Gillespie 21-1 Test No. 1 Date 7-11-11
 Company EOB Resources Inc Elevation 3156 KB 3146 GL
 Address 3817 NW Expressway OK city OK 73112 - 1483
 Co. Rep / Geo. Mite Rig Kenai 58
 Location: Sec. 21 Twp. 32 Rge. 37 Co. Stevens State KS

Interval Tested 6328 - 6400 Zone Tested St Louis
 Anchor Length 72 Drill Pipe Run 5945 Mud Wt. 9.0
 Top Packer Depth 6323 Drill Collars Run 363 Vis 60
 Bottom Packer Depth 6328 Wt. Pipe Run 0 WL 8.0
 Total Depth 6400 Chlorides 2500 ppm System LCM 8#
 Blow Description IF - weak building blow 9" into bucket.
ISI - No blow back
FF - weak building blow 4 1/2" into bucket.
FSI - No blow back.

Rec <u>100'</u>	Feet of <u>SOCM</u>	Tell %gas	Tract %oil	%water <u>100</u>	%mud
Rec <u>470'</u>	Feet of <u>SLP</u>				
Rec _____	Feet of _____				
Rec _____	Feet of _____				

Mike Knox 580-641-2535		(AFE)
Well Name: Gillespie 21-1 505475		BCP
Perc Code 35-342	411	ACP
APPROVAL INITIALS: MK		W/O
		LOE

Rec Total 100' BHT 156 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic <u>3077</u>	<input type="checkbox"/> Test <u>1425</u>	T-On Location <u>245 AM</u>
(B) First Initial Flow <u>29</u>	<input type="checkbox"/> Jars <u>250</u>	T-Started <u>330 AM</u>
(C) First Final Flow <u>49</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>730 AM</u>
(D) Initial Shut-In <u>1716</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1145 AM</u>
(E) Second Initial Flow <u>61</u>	<input type="checkbox"/> Hourly Standby <u>25</u>	T-Out <u>300 pm 15:00</u>
(F) Second Final Flow <u>83</u>	<input type="checkbox"/> Mileage <u>20</u>	Comments <u>(12/14)</u>
(G) Final Shut-In <u>1705</u>	<input type="checkbox"/> Sampler <u>250</u>	
(H) Final Hydrostatic <u>3058</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer <u>280</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>500</u>	<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 <u>T.I.W 75 150</u>	Sub Total <u>280</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby _____	Total <u>3125</u> 3050
	<input type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't _____
	Sub Total <u>2695</u> 2720 <u>2845</u>	

Approved By M. D. Knopf 11 July 11 Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or destroyed 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

RECEIVED
JUL 14 2011

BY: _____

FLUID SAMPLER DATA

Ticket No. 39442 Date 7-11-11
 Company Name EOG
 Lease Gillespie 21-1 Test No. 1
 County Stevens Sec. 21 Twp. 32 Rng. 37

SAMPLER RECOVERY

Gas 3 GFD ML
 Oil Trace ML
 Mud 2000 ML ML
 Water 0 ML
 Other _____ ML
 Pressure 1700 ML
 Total _____ ML

PIT MUD ANALYSIS

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

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.