

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc.**

3817 NW Expressway # 500 Oklahoma City
OK 73112

ATTN: Brook

25 33 39 Graham KS

GPCU 25-1

Start Date: 2006.07.07 @ 15:00:17

End Date: 2006.07.08 @ 05:18:17

Job Ticket #: 24471 DST #: 1

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



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EOG Resources Inc.

GPCU 25-1

3817 NW Expressway # 500 Oklahoma City OK 73112

25 33 39 Graham KS

Job Ticket: 24471

DST#: 1

ATTN: Brook

Test Start: 2006.07.07 @ 15:00:17

GENERAL INFORMATION:

Formation: **Keys**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:30:47

Time Test Ended: 05:18:17

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **6158.00 ft (KB) To 6230.00 ft (KB) (TVD)**

Reference Elevations: ft (KB)

Total Depth: 6230.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: ft

Serial #: 6751

Inside

Press@RunDepth: 1111.55 psig @ 6193.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.07.07

End Date: 2006.07.08

Last Calib.: 1899.12.30

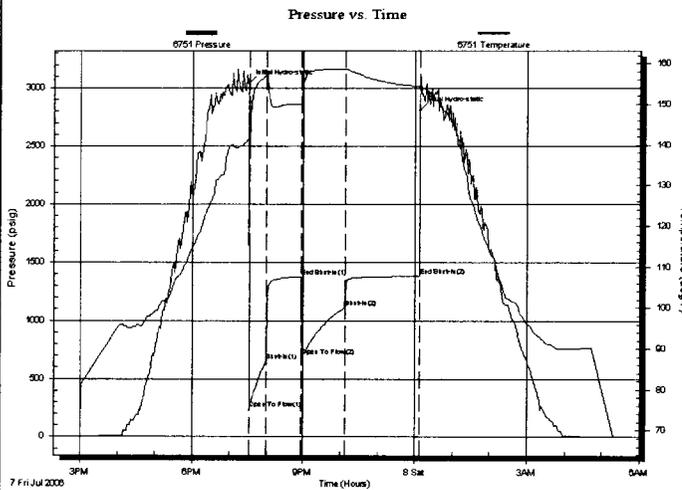
Start Time: 15:00:18

End Time: 05:18:17

Time On Btm: 2006.07.07 @ 19:30:02

Time Off Btm: 2006.07.08 @ 00:07:17

TEST COMMENT: IF Good blow BOB 2.5 min " NO GTS "
 ISI No Blow back
 FF Good blow BOB 4 min " NO GTS "
 FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3038.90	141.32	Initial Hydro-static
1	239.40	138.96	Open To Flow (1)
29	654.38	157.16	Shut-In(1)
87	1376.32	150.11	End Shut-In(1)
88	692.71	150.01	Open To Flow (2)
158	1111.55	158.67	Shut-In(2)
277	1379.86	154.34	End Shut-In(2)
278	2810.48	154.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	90%W 10%M	27.96

Gas Rates

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



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TOOL DIAGRAM

EOG Resources Inc.

GPCU 25-1

3817 NW Expressway # 500 Oklahoma City OK
73112

25 33 39 Graham KS

Job Ticket: 24471

DST#: 1

ATTN: Brook

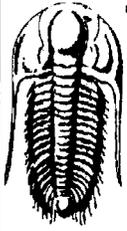
Test Start: 2006.07.07 @ 15:00:17

Tool Information

Drill Pipe:	Length: 5783.00 ft	Diameter: 3.80 inches	Volume: 81.12 bbl	Tool Weight: 2000.00 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: 364.00 ft	Diameter: 2.50 inches	Volume: 2.21 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 83.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 105000.0 lb
Depth to Top Packer:	6158.00 ft			Final 110000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	2.00			6129.00	
Shut In Tool	5.00			6134.00	
Sampler	3.00			6137.00	
Hydraulic tool	5.00			6142.00	
Jars	5.00			6147.00	
Safety Joint	2.00			6149.00	
Packer	5.00			6154.00	31.00 Bottom Of Top Packer
Packer	4.00			6158.00	
Stubb	1.00			6159.00	
Perforations	1.00			6160.00	
Change Over Sub	1.00			6161.00	
Drill Pipe	31.00			6192.00	
Change Over Sub	1.00			6193.00	
Recorder	0.00	6751	Inside	6193.00	
Perforations	33.00			6226.00	
Recorder	0.00	11018	Outside	6226.00	
Bullnose	4.00			6230.00	72.00 Bottom Packers & Anchor
Total Tool Length:	103.00				



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FLUID SUMMARY

EOG Resources Inc.

GPCU 25-1

3817 NW Expressway # 500 Oklahoma City OK
73112

25 33 39 Graham KS

Job Ticket: 24471

DST#: 1

ATTN: Broock

Test Start: 2006.07.07 @ 15:00:17

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:

13000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2200.00	90%W 10%M	27.964

Total Length: 2200.00 ft Total Volume: 27.964 bbl

Num Fluid Samples: 0

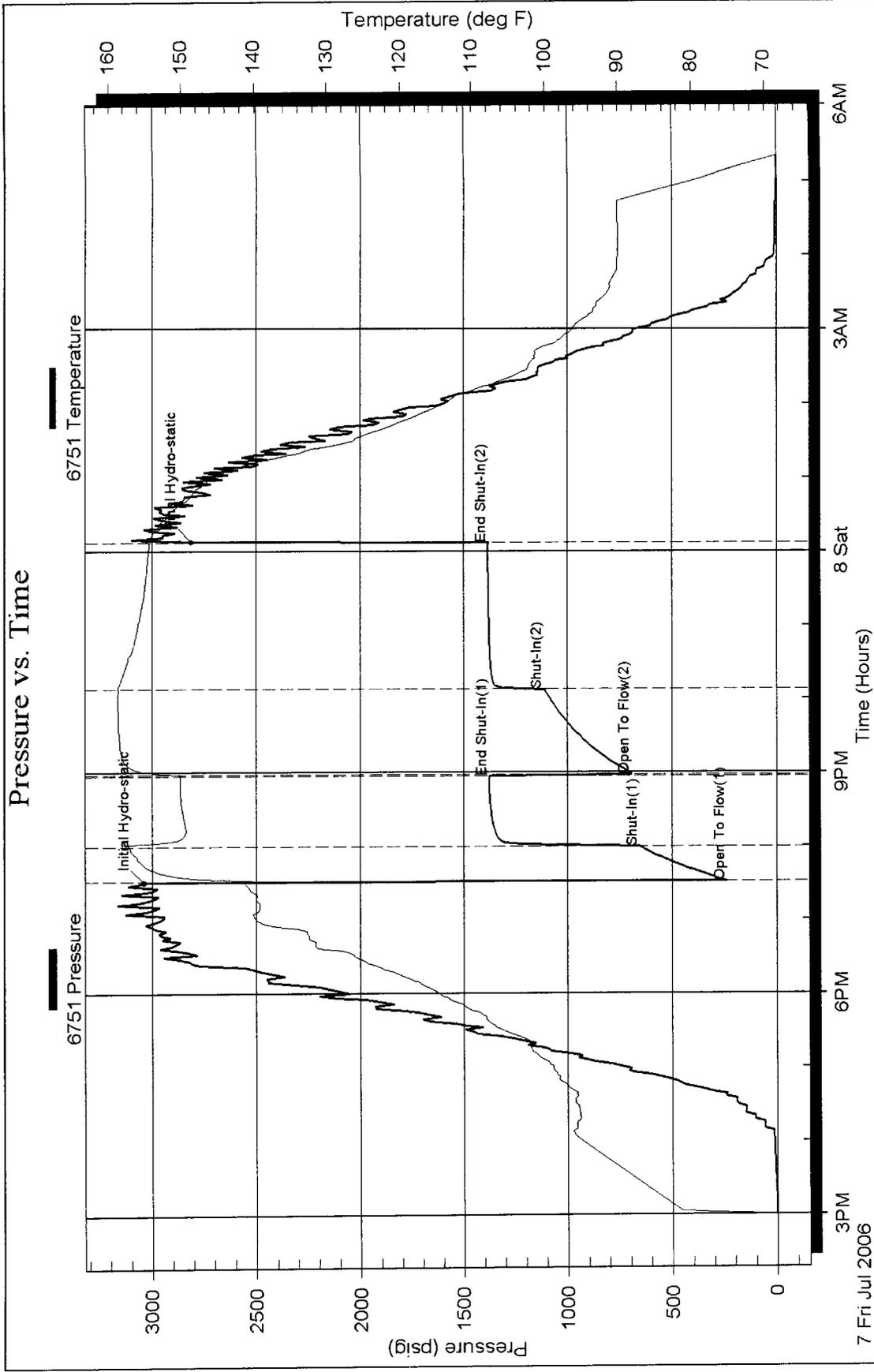
Num Gas Bombs: 0

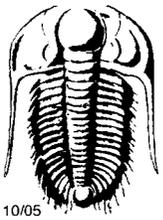
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 2000 ML water, 5 CFD gas, @ 1300 PSI.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

89180

No 24471

Test Ticket

Well Name & No. ~~6000~~ 25-1 6PCU Test No. 1 Date 7/7/06
 Company EOG Resources Inc. Zone Tested Keys
 Address 3817 NW Expressway #500 ok city OK Elevation KB GL
 Co. Rep / Geo. Rig Alber #8
 Location: Sec. 25 Twp. 33 Rge. 39 Co. Stearns State KS
 Comment: Release date / time:

Interval Tested 6158 - 6230 Initial Str Wt./Lbs. 105K Unseated Str Wt./Lbs. 115K
 Anchor Length 72 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 110K
 Top Packer Depth 6153 Tool Weight 2000
 Bottom Packer Depth 6158 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 6230 Wt. Pipe Run 0 Drill Collar Run 364
 Mud Wt. 9.2 LCM 0 Vis. 50 WL 8.4 Drill Pipe Size 4.5 KH Ft. Run 5783
 Blow Description IF - Good blow 2 1/2 min to BOB "No GTS"
 ISI - No blow back
 FF - Good blow BOB 4 min "No GTS"
 FSI - No blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
2200			
Rec. 2200	Feet of	%gas	%oil 90 %water 5 %mud
Rec.	Feet of	%gas	%oil %water %mud
	Feet of	%gas	%oil %water %mud
	Feet of	%gas	%oil %water %mud

Chem. Other General
 FAC Repair ACP Replace BCP New Add AFE LOE
 Location OK TX KS
 Approval Initials: Gary Brock
 Well Name: 25-1 6PCU
 Well Code: 25-1
 - 213

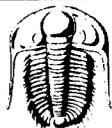
°F Gravity 83 @ 70 °F Chlorides 13000 ppm Recovery Chlorides 1400 ppm System
 °API D @ °F Corrected Gravity °API

AK-1	Alpine	Recorder No.	Test
Hydrostatic Mud	3057 PSI	6751	1300 ⁰⁰
Initial Flow Pressure	239 PSI	(depth) 6142	Jars - 250 ⁰⁰
Final Flow Pressure	654 PSI	11018	Safety Jt. - 75 ⁰⁰
Shut-In Pressure	1376 PSI	(depth) 6230	Circ Sub
Initial Flow Pressure	693 PSI	Recorder No.	Sampler - 250 ⁰⁰
Final Flow Pressure	1112 PSI	(depth)	Straddle
Shut-In Pressure	1380 PSI	Initial Opening	Ext. Packer
Hydrostatic Mud	2947 PSI	Initial Shut-In	Shale Packer - 200 ⁰⁰
		Final Flow	Ruined Packer 200 ⁰⁰
		Final Shut-In	Mileage 40 50 ⁰⁰

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHICH THIS TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY, INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR FOR ANY OPINION CONCERNING THE RESULTS OF THIS TEST. LOSSES OR DAMAGES IN THE HOLE SHALL BE PAID BY THE PARTY FOR WHOM THE TEST IS MADE.

Our Representative *Harley Darden*

T-On Location	T-Started	T-Open	T-Pulled	T-Out
1200 pm 1200	300 pm 1500	700 pm 1900	1145 pm 2345	500 AM 500
Sub Total:	2325.00	Std. By 6 = 200.00	150.00	Acc. Chg: 150.00
Other:				
Total:	2825.00			



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 24471 Date 7/7/06

Company Name EOG Resources Inc.

Lease GPLU 25-1 Test No. #1

County Stevens Sec. 25 Twp. 33 Rng. 39

SAMPLER RECOVERY

Gas 5 ccd ML

Oil 0 ML

Mud _____ ML

Water 2000 ML

Other _____ ML

Pressure 1300 PSI ML

Total _____ ML

PIT MUD ANALYSIS

Chlorides 1400 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 50

Mud Weight 9.2

Filtrate 8.4

Other _____

SAMPLER ANALYSIS

Resistivity 583 ohms @ 70 F

Chlorides 13000 ppm.

Gravity _____ corrected @60F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

