

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500 Oklahoma
City OK 73112

ATTN: Danny Rawh

22 33 38W Stevens KS

Wilma 22-1

Start Date: 2006.05.07 @ 22:30:20

End Date: 2006.05.08 @ 12:52:15

Job Ticket #: 22973 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

EOG Resources Inc

Wilma 22-1

3817 NW Expressway Ste 500 Oklahoma City OK
73112

22 33 38W Stevens KS

Job Ticket: 22973

DST#: 1

ATTN: Danny Rawh

Test Start: 2006.05.07 @ 22:30:20

GENERAL INFORMATION:

Formation: **Keyes**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:15

Time Test Ended: 12:52:15

Test Type: Conventional Straddle

Tester: Alex Brechbuhler

Unit No: 20

Interval: **6059.00 ft (KB) To 6112.00 ft (KB) (TVD)**

Total Depth: 6300.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 3175.00 ft (KB)

3163.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8166

Inside

Press@RunDepth: 294.03 psig @ 6062.00 ft (KB)

Start Date: 2006.05.07

End Date:

2006.05.08

Start Time: 22:30:20

End Time:

12:52:15

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.05.08 @ 01:59:15

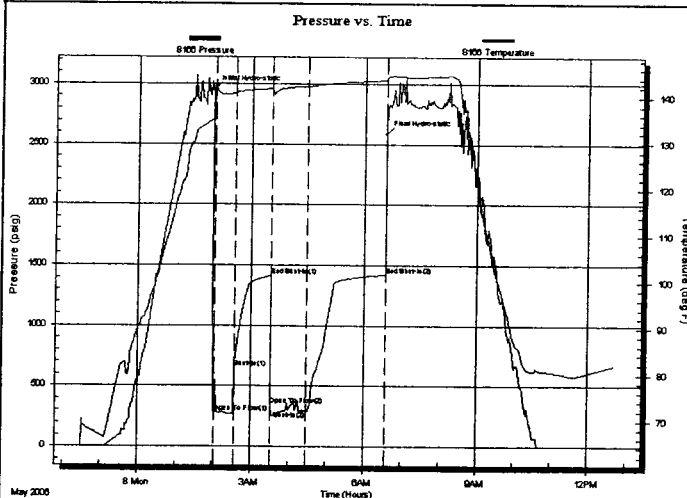
Time Off Btm: 2006.05.08 @ 06:34:29

TEST COMMENT: IF BOB ASAO Started to Weaken

ISI No Blow back

FF BOB 7" Slowly Died Off

FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2951.61	135.21	Initial Hydro-static
3	278.15	142.41	Open To Flow (1)
34	650.35	141.00	Shut-In (1)
92	1409.89	141.88	End Shut-In (1)
92	340.83	141.60	Open To Flow (2)
150	294.03	142.38	Shut-In (2)
275	1420.62	143.76	End Shut-In (2)
276	2583.36	144.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	100%M	0.46
186.00	10%G 90%M	0.91
186.00	10%G 90%M	1.76
93.00	100%M	1.30

Gas Rates

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

EOG Resources Inc

Wilma 22-1

3817 NW Expressway Ste 500 Oklahoma City OK
73112

22 33 38W Stevens KS

Job Ticket: 22973

DST#: 1

ATTN: Danny Rawh

Test Start: 2006.05.07 @ 22:30:20

Tool Information

Drill Pipe:	Length: 5683.00 ft	Diameter: 3.80 inches	Volume: 79.72 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: 20000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 180000.0 lb
		Total Volume: 81.55 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 100000.0 lb
Depth to Top Packer:	6059.00 ft			Final 120000.0 lb
Depth to Bottom Packer:	6108.00 ft			
Interval between Packers:	49.00 ft			
Tool Length:	272.00 ft			
Number of Packers:	3	Diameter: 7.78 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			6035.00	
Sampler	3.00			6038.00	
Hydraulic tool	5.00			6043.00	
Jars	5.00			6048.00	
Safety Joint	2.00			6050.00	
Packer	5.00			6055.00	29.00 Bottom Of Top Packer
Packer	4.00			6059.00	
Stubb	1.00			6060.00	
Perforations	1.00			6061.00	
Change Over Sub	1.00			6062.00	
Recorder	0.00	8166	Inside	6062.00	
Drill Pipe	31.00			6093.00	
Change Over Sub	1.00			6094.00	
Perforations	13.00			6107.00	
Recorder	0.00	13362	Inside	6107.00	
Blank Off Sub	1.00			6108.00	49.00 Tool Interval
Packer	4.00			6112.00	
Stubb	1.00			6113.00	
Change Over Sub	1.00			6114.00	
Drill Pipe	184.00			6298.00	
Change Over Sub	1.00			6299.00	
Recorder	0.00	13761	Outside	6299.00	
Bullnose	3.00			6302.00	194.00 Bottom Packers & Anchor
Total Tool Length:	272.00				



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FLUID SUMMARY

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Wilma 22-1

3817 NW Expressway Ste 500 Oklahoma City OK
73112

22 33 38W Stevens KS

Job Ticket: 22973

DST#: 1

ATTN: Danny Rawh

Test Start: 2006.05.07 @ 22:30:20

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: 6.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	100%M	0.457
186.00	10%G 90%M	0.915
186.00	10%G 90%M	1.762
93.00	100%M	1.305

Total Length: 558.00 ft

Total Volume: 4.439 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

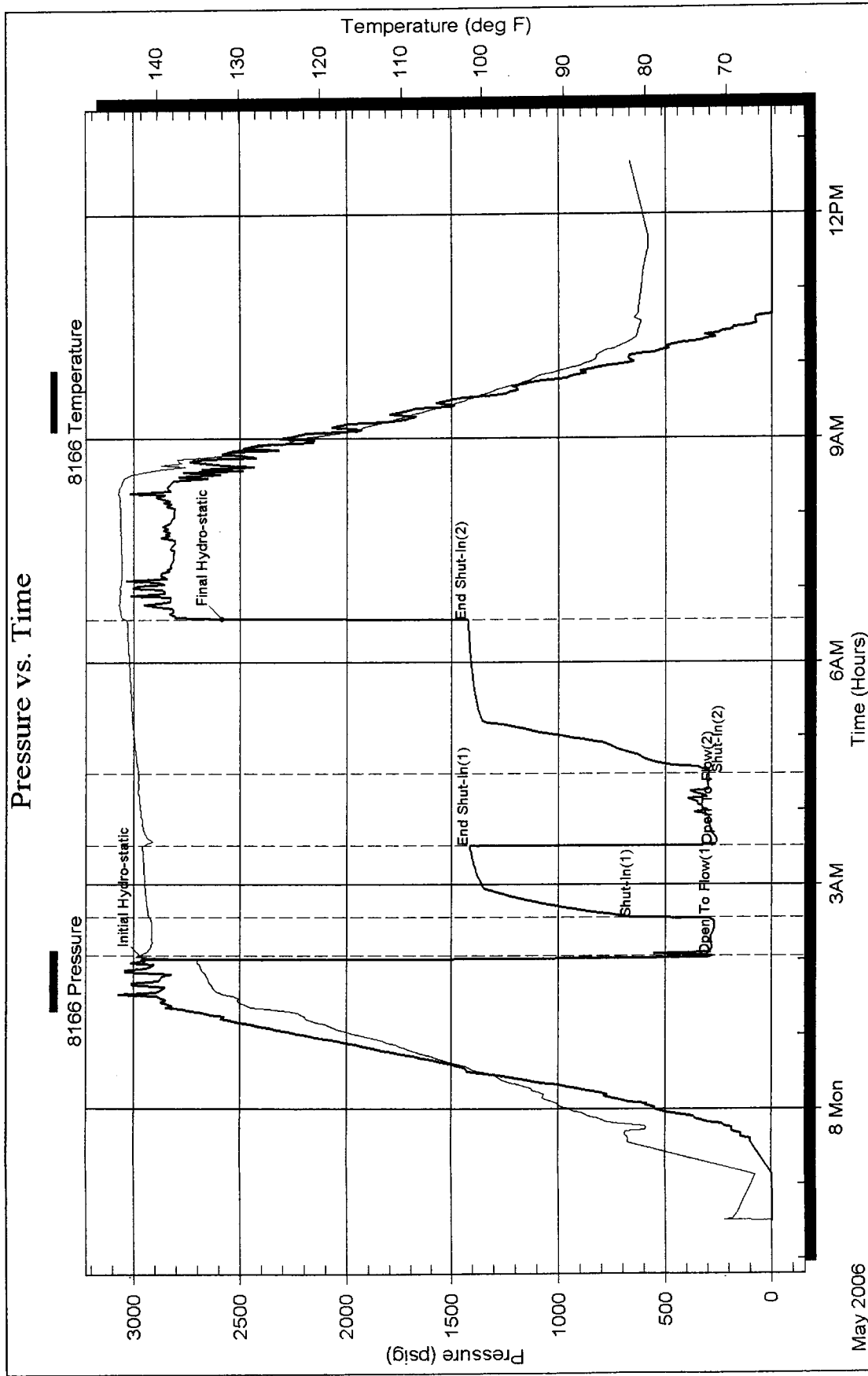
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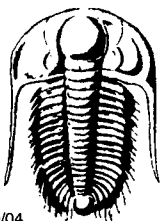
Inside

EOG Resources Inc

22 33 38W Stevens KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

6738

No 22973

Test Ticket

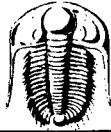
Well Name & No. Wilma 22-1 Test No. 1 Date 5-8-06
 Company EOG Resources Inc Zone Tested Keyes
 Address 3817 NW Expressway Suite 500 OKC, OK 73112 Elevation 3175 KB 3163 GL
 Co. Rep / Geo. Danny Rauh Cont. Abr #2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 33S Rge. 38 W Co. Stevens State KS
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6059 to 6112 Initial Str Wt./Lbs. 100K Unseated Str Wt./Lbs. 120K
 Anchor Length 53 Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 180K
 Top Packer Depth 6055, 6059 Tool Weight 2K
 Bottom Packer Depth 6112 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 6300 Wt. Pipe Run 8 Drill Collar Run 372
 Mud Wt. 9.0 LCM 9# Vis. SS WL 6.2 Drill Pipe Size 4.5x14 Ft. Run 5683
 Blow Description IF - BOB ASAO, Started to Weaken
ISI - No Blowback
FF - BOB 7 min., Slowly Died off
FSI - No Blow Back

Recovery - Total Feet 558 GIP 2 Ft. in DC 372 Ft. in DP 186
 Rec. 93 Feet of Mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. 186 Feet of Gas Cut Mud 10 %gas _____ %oil _____ %water 90 %mud _____
 Rec. 186 Feet of Gas Cut Mud 10 %gas _____ %oil _____ %water 90 %mud _____
 Rec. 93 Feet of Mud %gas _____ %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 144 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 900 ppm System

AK-1
 (A) Initial Hydrostatic Mud 2952 PSI
 (B) First Initial Flow Pressure 278 PSI
☐ BCP ☒ ACP ☐ FAC ☐ LOE ☐ Oth AFE
 Well Name: Wilma 22-1
 50 - 302
 Danny Rauh
 Cell # 580-790-0323
 Approval: [Signature]

(Q) Final Hydrostatic Mud 2788 PSI
 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.
 Approved By [Signature]
 Our Representative [Signature]
 Recorder No. 8166 Test ✓ 1300
 (depth) 6062 Jars ✓ 250
 Recorder No. 13362 Safety Jtr ✓ 75
 (depth) 6108 Circ Sub _____
 Recorder No. 13761 Sampler ✓ 250
 (depth) 6300 Straddle ✓ 350
 Initial Opening 30 Ext. Packer ✓ 200
 Initial Shut-In 60 Shale Packer ✓ 200
 Final Flow 60 Ruined Packer X2 400
 Final Shut-In 120 Mileage X10 12.50
 T-On Location 9:00 (21:00) Sub Total: 3037.50
 T-Started 22:30 Std. By 4.15 200.00
 T-Open 2:00 Other ACC 150 150.00
 T-Pulled 6:30-9:00 Total: \$ 3406.25
 T-Out 12:15



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 22973 Date 5-7-06
Company Name EOG
Lease Wilma 22-1 Test No. #1
County Stevens Sec. 22 Twp. 33 S Rng. 30 W

SAMPLER RECOVERY

Gas 35 ML Chlorides 900 ppm.
Oil _____ ML Resistivity _____ ohms @ _____ F
Mud 365 ML Viscosity 55
Water _____ ML Mud Weight 9.0
Other _____ ML Filtrate 6.2
Pressure 1100 psi ML Other LCM 9#
Total _____ ML

PIT MUD ANALYSIS

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.

CHART PAGE

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

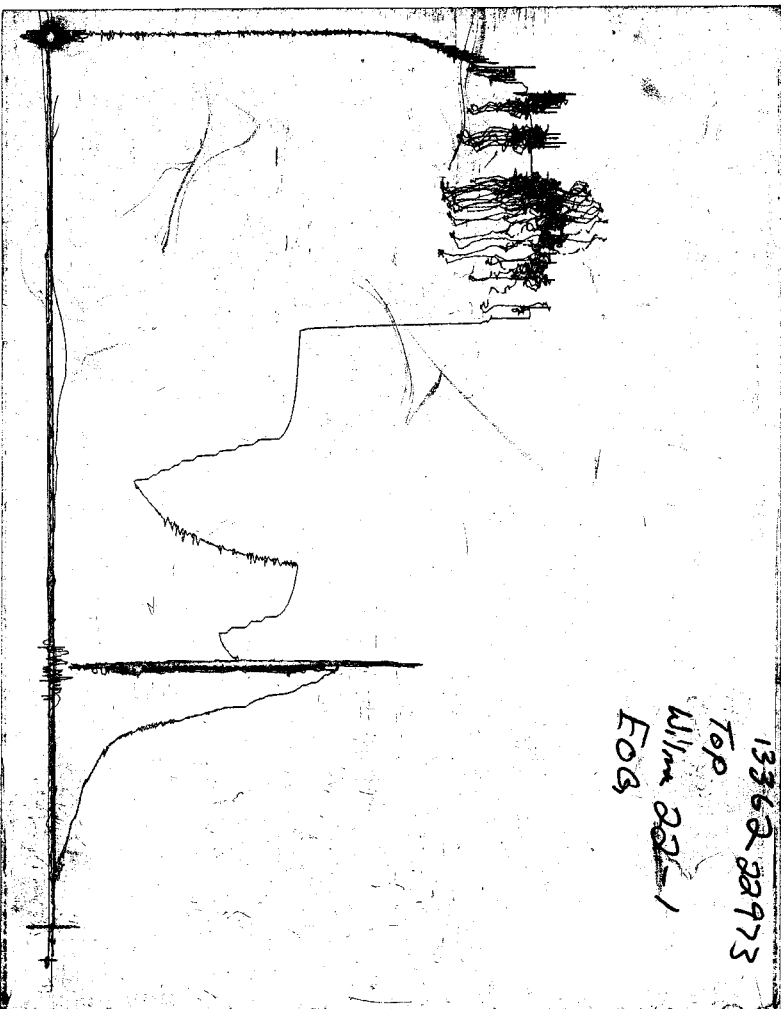


CHART PAGE

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

