

15-189-22654

22-325-37w

IND



Weatherford® Completion Systems

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc.**

3817 NW Expressway
Ste. 500 Oklahoma City Ok
73112

ATTN: Larry T.

22/32/37

Clagget 22 #1

Start Date: 2008.07.03 @ 03:15:00

End Date: 2008.07.03 @ 14:41:00

Job Ticket #: 30978 DST #: 1

KCC
OCT 20 2008
CONFIDENTIAL

EOG Resources Inc.

Clagget 22 #1

22/32/37

DST # 1

St. Louis

2008.07.03

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 22 2008

CONSERVATION DIVISION
WICHITA, KS

ALPINE OIL SERVICES CORPORATION
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4
ph: 263-7800 fax: 264-7260



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Completion Systems

DRILL STEM TEST REPORT

EOG Resources Inc.
 3817 NW Expressway
 Ste. 500 Oklahoma City Ok
 73112
 ATTN: Larry T.

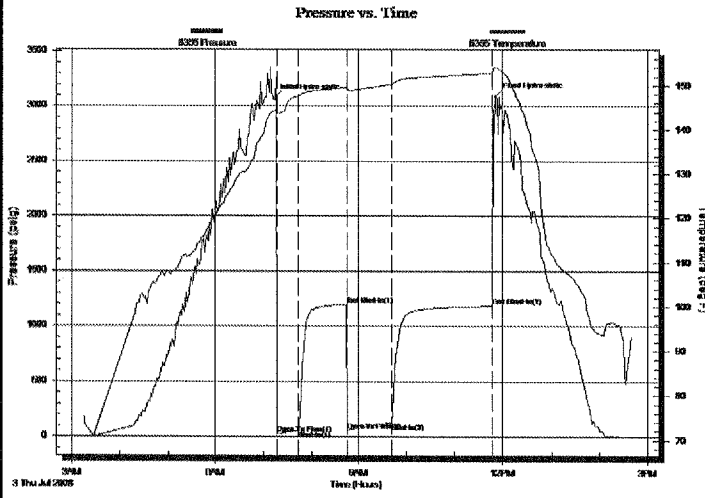
Clagget 22 #1
22/32/37
 Job Ticket: 30978 **DST#: 1**
 Test Start: 2008.07.03 @ 03:15:00

GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:16:45
 Time Test Ended: 14:41:00
 Test Type: Conventional Bottom Hole
 Tester: Harley Davidson
 Unit No: 33
 Interval: **6355.00 ft (KB) To 6395.00 ft (KB) (TVD)**
 Total Depth: 6395.00 ft (KB) (TVD)
 Reference Elevations: 3137.00 ft (KB)
 3125.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 KB to GR/CF: 12.00 ft

Serial #: 8355 Inside
 Press@RunDepth: 124.02 psig @ 6362.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.07.03 End Date: 2008.07.03 Last Calib.: 2008.07.03
 Start Time: 03:15:01 End Time: 14:41:00 Time On Btm: 2008.07.03 @ 07:12:45
 Time Off Btm: 2008.07.03 @ 11:51:45

TEST COMMENT: IF- Strong blow ,BOB 3 min.
 IS- No blow back
 FF- Strong blow , BOB 1 min.
 FS- No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3070.68	144.19	Initial Hydro-static
4	27.68	143.64	Open To Flow (1)
31	57.31	147.56	Shut-In(1)
92	1198.76	149.59	End Shut-In(1)
93	56.61	149.10	Open To Flow (2)
149	124.02	150.27	Shut-In(2)
275	1182.93	152.86	End Shut-In(2)
279	3088.22	154.11	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	6065 GIP	0.00
330.00	50%gas 50%condensate w ith trace of	m1.62

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



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TOOL DIAGRAM

EOG Resources Inc.

Clagget 22 #1

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ATTN: Larry T.

22/32/37

Job Ticket: 30978

DST#: 1

Test Start: 2008.07.03 @ 03:15:00

Tool Information

Drill Pipe:	Length: 5984.00 ft	Diameter: 3.80 inches	Volume: 83.94 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: 358.00 ft	Diameter: 2.25 inches	Volume: 1.76 bbl	Weight to Pull Loose: 140000.0 lb
			<u>Total Volume: 85.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	6355.00 ft			Final 105000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			6335.00	
Sampler	2.00			6337.00	
Hydraulic tool	5.00			6342.00	
Jars	5.00			6347.00	
Safety Joint	3.00			6350.00	
Packer	5.00			6355.00	25.00 Bottom Of Top Packer
Packer - Shale	4.00			6359.00	
Stubb	1.00			6360.00	
Perforations	2.00			6362.00	
Recorder	0.00	6751	Inside	6362.00	
Recorder	0.00	8355	Inside	6362.00	
Change Over Sub	1.00			6363.00	
Drill Pipe	31.00			6394.00	
Change Over Sub	1.00			6395.00	
Bullnose	4.00			6399.00	44.00 Anchor Tool

Total Tool Length: 69.00



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FLUID SUMMARY

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73112
ATTN: Larry T.

Clagget 22 #1
22/32/37
Job Ticket: 30978 **DST#: 1**
Test Start: 2008.07.03 @ 03:15:00

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 cm ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	6065 GIP	0.000
330.00	50%gas 50%condensate w ith trace of mud.	1.623

Total Length: 330.00 ft Total Volume: 1.623 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data- 30 CFD gas 1000ML oil @ 1100 PSI



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DRILL STEM TEST REPORT

GAS RATES

EOG Resources Inc.

Clagget 22 #1

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22/32/37

Job Ticket: 30978

DST#: 1

ATTN: Larry T.

Test Start: 2008.07.03 @ 03:15:00

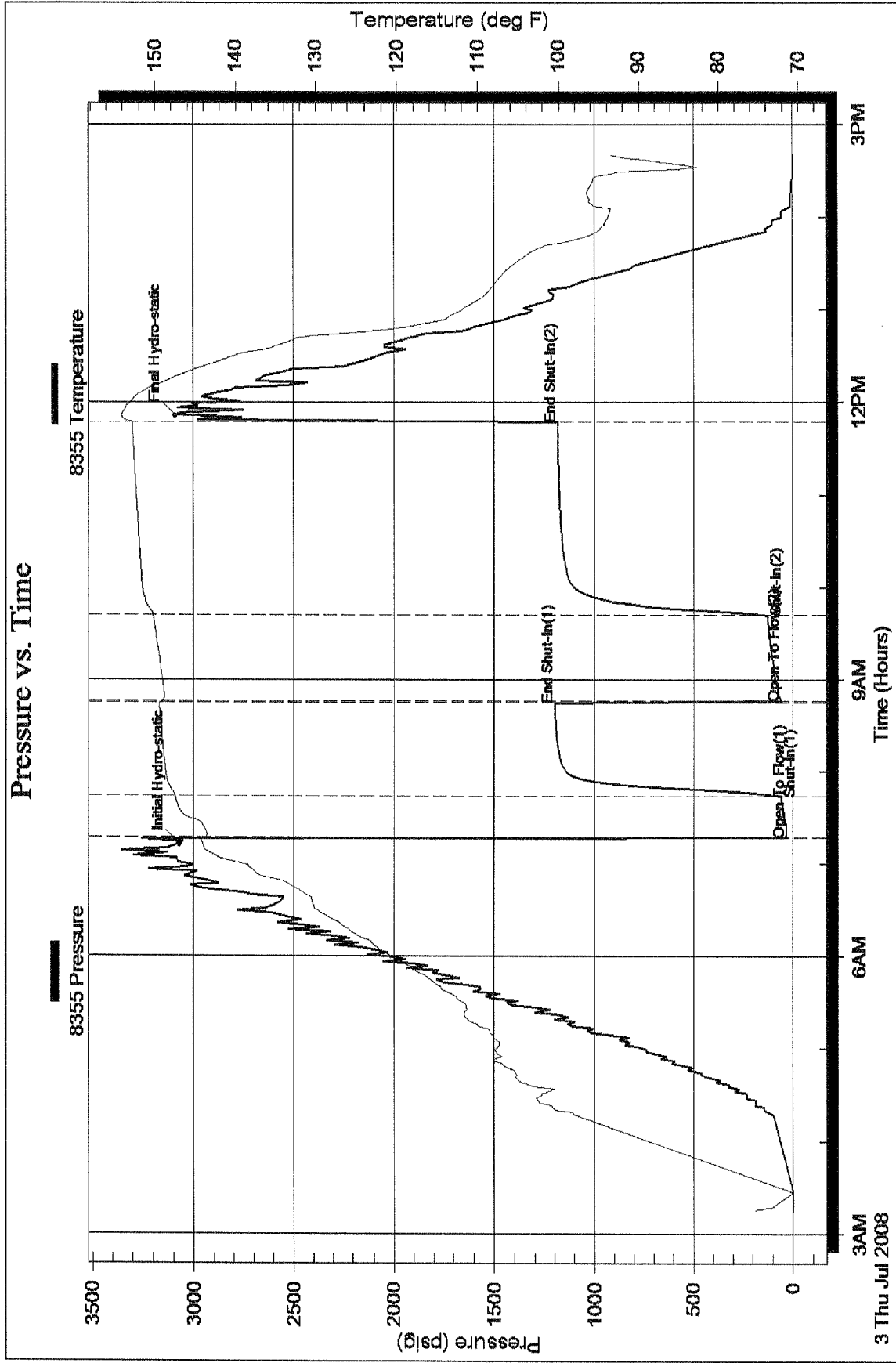
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

Pressure vs. Time



Pressure vs. Time

