

DRILL STEM TEST REPORT

Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Preston Heiskell

1 34 33 Seward KS

Rozelle #1-2

Start Date: 2007.08.03 @ 15:37:44

End Date: 2007.08.03 @ 22:25:08

Job Ticket #: 27384 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
 3817 NW Expressway Ste 500
 Oklahoma City OK 73112
 ATTN: Preston Heiskell

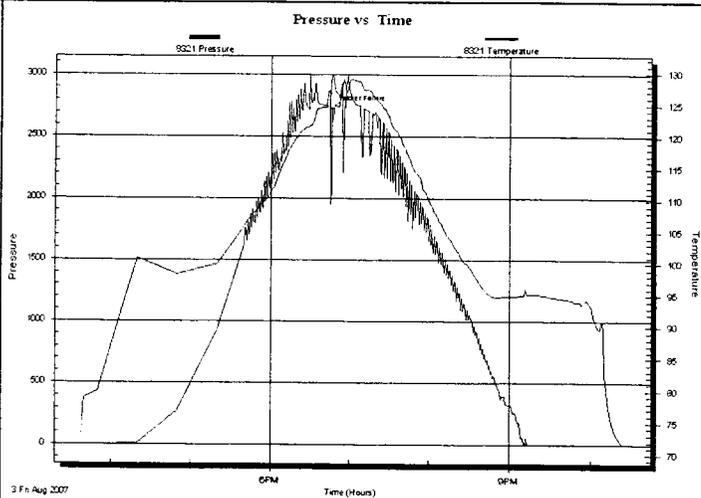
Rozelle #1-2
1 34 33 Seward KS
 Job Ticket: 27384 **DST#: 1**
 Test Start: 2007.08.03 @ 15:37:44

GENERAL INFORMATION:

Formation: **Upper Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 22:25:08
 Interval: **5768.00 ft (KB) To 5838.00 ft (KB) (TVD)**
 Total Depth: 5838.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 34
 Reference Elevations: 2821.00 ft (KB)
 2809.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8321 **Inside**
 Press@RunDepth: psig @ 5771.00 ft (KB)
 Start Date: 2007.08.03 End Date: 2007.08.03 Capacity: 7000.00 psig
 Start Time: 15:37:44 End Time: 22:25:08 Last Calib.: 1899.12.30
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF Packers never seated tried twice pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2724.20	129.81	Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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TESTING, INC**

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TOOL DIAGRAM

EOG Resources Inc
3817 NW Expressway Ste 500
Oklahoma City OK 73112
ATTN: Preston Heiskell

Rozelle #1-2
1 34 33 Seward KS
Job Ticket: 27384 **DST#: 1**
Test Start: 2007.08.03 @ 15:37:44

Tool Information

Drill Pipe:	Length: 5365.00 ft	Diameter: 3.80 inches	Volume: 75.26 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: 402.00 ft	Diameter: 2.25 inches	Volume: 1.98 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 77.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5768.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	101.00 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	1.00			5738.00	
Shut In Tool	5.00			5743.00	
Sampler	3.00			5746.00	
Hydraulic tool	5.00			5751.00	
Jars	5.00			5756.00	
Safety Joint	3.00			5759.00	
Packer	5.00			5764.00	31.00 Bottom Of Top Packer
Packer	4.00			5768.00	
Stubb	1.00			5769.00	
Perforations	2.00			5771.00	
Recorder	0.00	8321	Inside	5771.00	
Change Over Sub	1.00			5772.00	
Drill Pipe	62.00			5834.00	
Change Over Sub	1.00			5835.00	
Recorder	0.00	13630	Inside	5835.00	
Bullnose	3.00			5838.00	70.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



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FLUID SUMMARY

EOG Resources Inc
3817 NW Expressway Ste 500
Oklahoma City OK 73112
ATTN: Preston Heiskell

Rozelle #1-2
1 34 33 Seward KS
Job Ticket: 27384 **DST#: 1**
Test Start: 2007.08.03 @ 15:37:44

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: 8.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

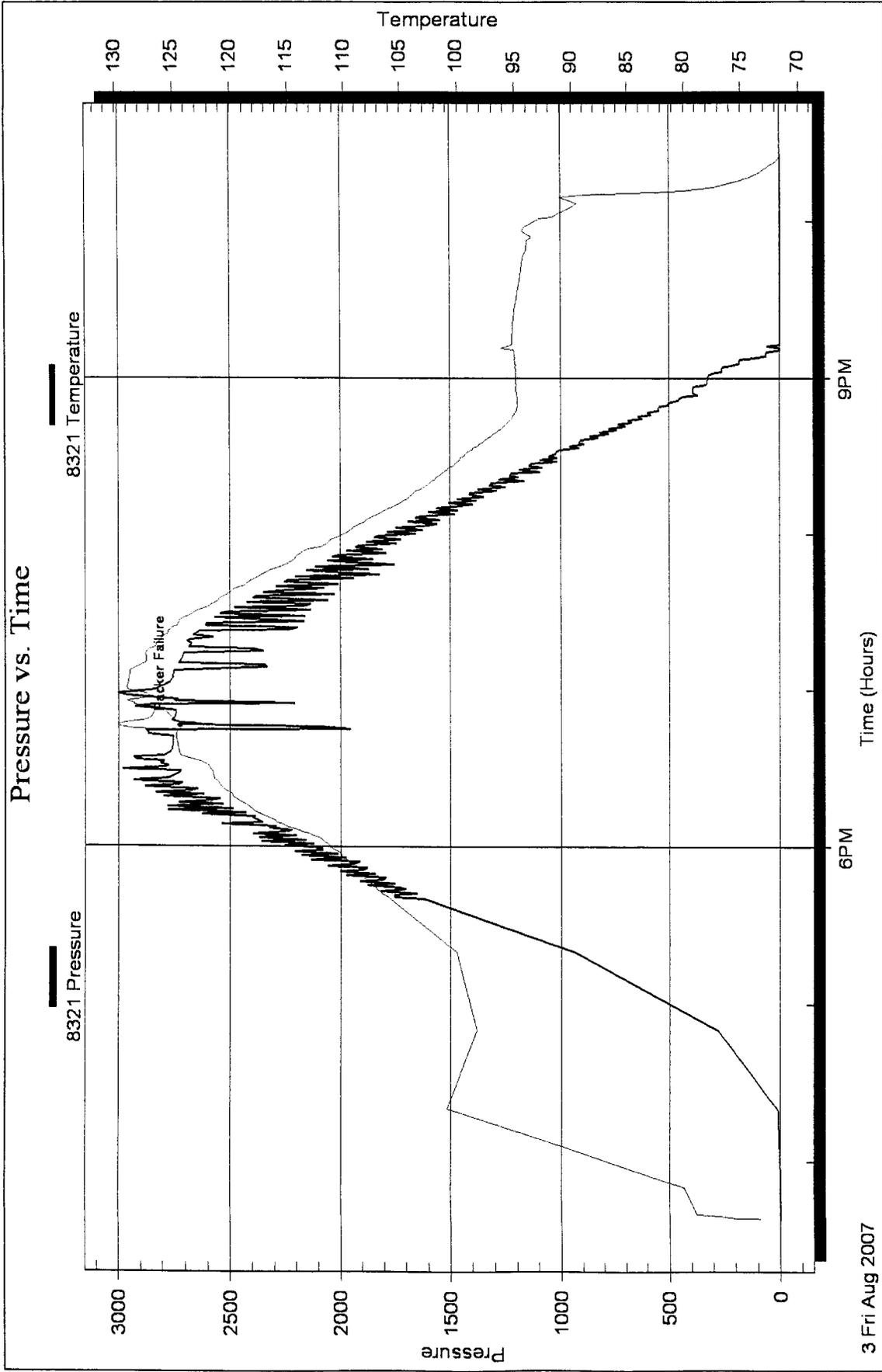
Serial #: 8321

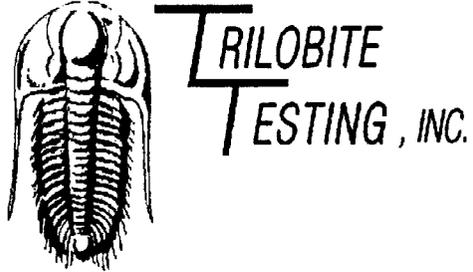
Inside

EOG Resources Inc

1 34 33 Sew ard KS

DST Test Number: 1





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Prepared For: **EOG Resources Inc**

3817 NW Expressway Ste 500
Oklahoma City OK 73112

ATTN: Preston Heiskell

1 34 33 Seward KS

Rozelle #1-2

Start Date: 2007.08.03 @ 22:41:19

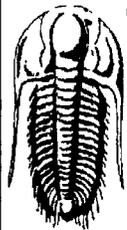
End Date: 2007.08.04 @ 09:29:29

Job Ticket #: 27385 DST #: 2

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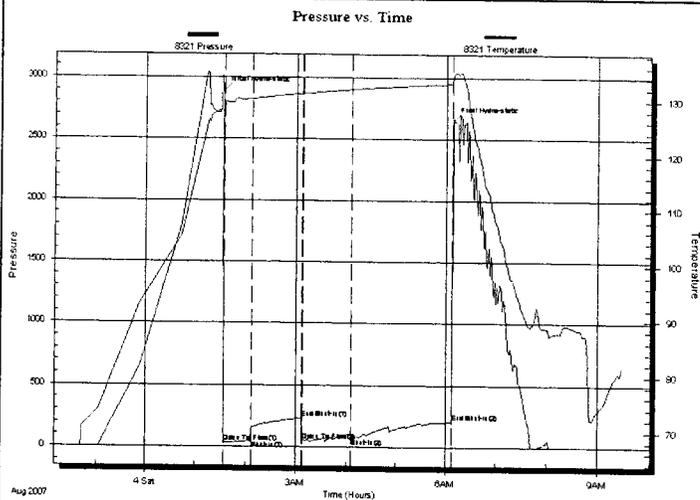
Rozelle #1-2
1 34 33 Seward KS
 Job Ticket: 27385 DST#: 2
 Test Start: 2007.08.03 @ 22:41:19

GENERAL INFORMATION:

Formation: **Upper Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:33:29
 Time Test Ended: 09:29:29
 Interval: **5720.00 ft (KB) To 5838.00 ft (KB) (TVD)**
 Total Depth: 5838.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 34
 Reference Elevations: 2821.00 ft (KB)
 2809.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8321 Inside
 Press@RunDepth: 70.64 psig @ 5724.00 ft (KB)
 Start Date: 2007.08.03 End Date: 2007.08.04
 Start Time: 22:41:19 End Time: 09:29:29
 Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2007.08.04 @ 01:32:44
 Time Off Btm: 2007.08.04 @ 06:08:43

TEST COMMENT: IF Weak surface blow died 8 min.
 ISI No blow back
 FF No blow
 FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2887.85	128.07	Initial Hydro-static
1	31.72	128.28	Open To Flow (1)
34	45.31	130.31	Shut-In(1)
94	232.94	131.27	End Shut-In(1)
96	48.69	131.40	Open To Flow (2)
154	70.64	132.04	Shut-In(2)
275	205.19	133.10	End Shut-In(2)
276	2653.45	134.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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



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TOOL DIAGRAM

EOG Resources Inc
3817 NW Expressway Ste 500
Oklahoma City OK 73112
ATTN: Preston Heiskell

Rozelle #1-2
1 34 33 Seward KS
Job Ticket: 27385 **DST#: 2**
Test Start: 2007.08.03 @ 22:41:19

Tool Information

Drill Pipe:	Length: 5302.00 ft	Diameter: 3.80 inches	Volume: 74.37 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: 402.00 ft	Diameter: 2.25 inches	Volume: 1.98 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 76.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5720.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	118.00 ft			
Tool Length:	149.00 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	1.00			5690.00	
Shut In Tool	5.00			5695.00	
Sampler	3.00			5698.00	
Hydraulic tool	5.00			5703.00	
Jars	5.00			5708.00	
Safety Joint	3.00			5711.00	
Packer	5.00			5716.00	31.00 Bottom Of Top Packer
Packer	4.00			5720.00	
Stubb	1.00			5721.00	
Perforations	3.00			5724.00	
Recorder	0.00	8321	Inside	5724.00	
Perforations	16.00			5740.00	
Change Over Sub	1.00			5741.00	
Drill Pipe	93.00			5834.00	
Change Over Sub	1.00			5835.00	
Recorder	0.00	13630	Inside	5835.00	
Bullnose	3.00			5838.00	118.00 Bottom Packers & Anchor
Total Tool Length:	149.00				



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1 34 33 Seward KS
Job Ticket: 27385 **DST#: 2**
Test Start: 2007.08.03 @ 22:41:19

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:	3200 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=1.665@81F=3200ppm
 Sampler=4000ml M @ 140psi

Pressure vs. Time

