

DRILL STEM TEST REPORT

Prepared For: **EOG Resources**

3817 NW Expressway #500
Oklahoma City, OK 73112

ATTN: Dale Passig

36/34S/24W

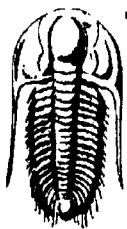
Gardiner 36-2

Start Date: 2005.07.18 @ 21:40:47

End Date: 2005.07.19 @ 09:58:45

Job Ticket #: 21269 DST #: 1

Trilobite Testing, Inc
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**TRILOBITE
TESTING, INC.**

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EOG Resources

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Gardiner 36-2

36/34S/24W

Job Ticket: 21269

DST#: 1

Test Start: 2005.07.18 @ 21:40:47

GENERAL INFORMATION:

Formation: **Altamonte**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 01:41:15

Time Test Ended: 09:58:45

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **20**

Interval: **5144.00 ft (KB) To 5186.00 ft (KB) (TVD)**

Total Depth: **5186.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1919.00 ft (KB)**

1906.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 6770

Inside

Press@RunDepth: **86.22 psig @ 5147.00 ft (KB)**

Start Date: **2005.07.18**

End Date: **2005.07.19**

Start Time: **21:40:47**

End Time: **09:58:45**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.07.19 @ 01:35:30**

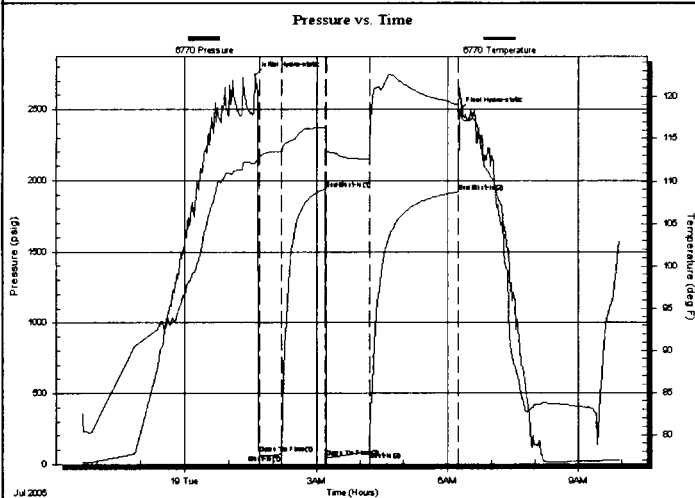
Time Off Btm: **2005.07.19 @ 06:15:45**

TEST COMMENT: IF-Strong building blow . BOB in 45 sec. GTS in 29 min.

ISI-Blow back in 8 min. Built to top of water.

FF-Strong steady blow . BOB ASAO. GTS ASAO. To small to measure.

FSI-Blow back in 5 min. Built to



PRESSURE SUMMARY

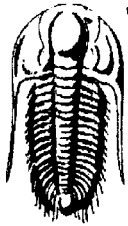
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2740.85	112.12	Initial Hydro-static
6	70.37	112.89	Open To Flow (1)
36	69.45	113.50	Shut-In(1)
97	1941.29	116.33	End Shut-In(1)
98	47.92	113.56	Open To Flow (2)
157	86.22	112.58	Shut-In(2)
280	1919.88	119.09	End Shut-In(2)
281	2486.60	120.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	20% Gas 10% water 70% mud	0.59

Gas Rates

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

EOG Resources

Gardiner 36-2

3817 NW Expressway #500
Oklahoma City, OK 73112

36/34S/24W

Job Ticket: 21269

DST#: 1

ATTN: Dale Passig

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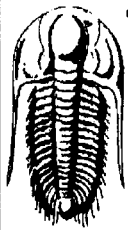
Tool Information

Drill Pipe:	Length: 4752.00 ft	Diameter: 3.80 inches	Volume: 66.66 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: 368.00 ft	Diameter: 2.25 inches	Volume: 1.81 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 68.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5144.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5115.00	
Shut In Tool	5.00			5120.00	
Sampler	3.00			5123.00	
HMV	5.00			5128.00	
Jars	5.00			5133.00	
Safety Joint	2.00			5135.00	
Packer	5.00			5140.00	30.00 Bottom Of Top Packer
Packer	4.00			5144.00	
Stubb	1.00			5145.00	
Perforations	2.00			5147.00	
Recorder	0.00	6770	Inside	5147.00	
Perforations	36.00			5183.00	
Recorder	0.00	10993	Inside	5183.00	
Bullnose	3.00			5186.00	42.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

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DST#: 1

ATTN: Dale Passig

Test Start: 2005.07.18 @ 21:40:47

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:

90000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.07 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	20% Gas 10% water 70% mud	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gas was flammable.

