

DRILL STEM TEST REPORT

Prepared For: **Oxy USA, Inc.**

P.O. Box 2528
Liberal, KS 67905

ATTN: Tim Hedrick

18/32S/34

Davis F-1

Start Date: 2005.03.26 @ 11:50:05

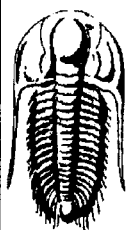
End Date: 2005.03.26 @ 22:03:24

Job Ticket #: 20565 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

Oxy USA, Inc.

P.O. Box 2528
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Davis F-1

18/32S/34

Job Ticket: 20565

DST#: 1

Test Start: 2005.03.26 @ 11:50:05

GENERAL INFORMATION:

Formation: **Chester**

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

Time Tool Opened: 14:32:55

Time Test Ended: 22:03:24

Test Type: **Conventional Bottom Hole**

Tester: **Chris Hagman**

Unit No: **20**

Interval: **6100.00 ft (KB) To 6200.00 ft (KB) (TVD)**

Total Depth: **6200.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

Reference Elevations: **2966.00 ft (KB)**

2956.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **21.27 psig @ 6102.00 ft (KB)**

Start Date: **2005.03.26**

End Date:

2005.03.26

Start Time: **11:50:05**

End Time:

22:03:24

Capacity: **7000.00 psig**

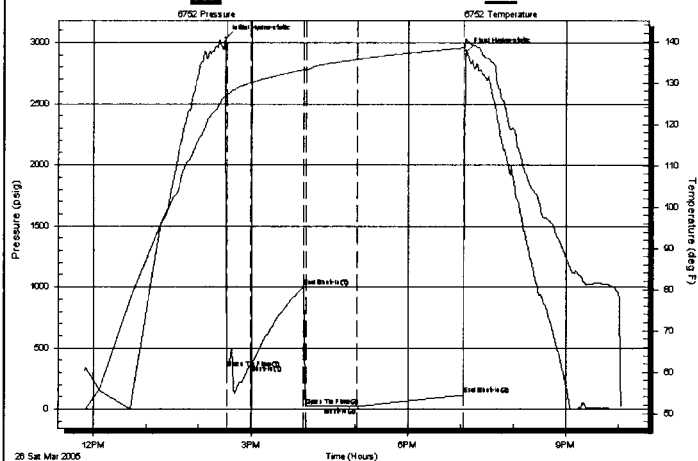
Last Calib.: **1899.12.30**

Time On Btm: **2005.03.26 @ 14:30:14**

Time Off Btm: **2005.03.26 @ 19:06:15**

TEST COMMENT: IF: Weak surface blow, died 20 min
IS: No blow back
FF: Weak surface blow, died 20 min
FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

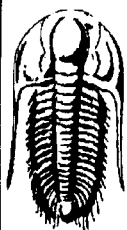
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3033.43	126.89	Initial Hydro-static
3	334.17	127.08	Open To Flow (1)
30	362.17	130.01	Shut-In(1)
90	998.43	133.18	End Shut-In(1)
94	23.30	133.03	Open To Flow (2)
152	21.27	135.66	Shut-In(2)
273	116.14	138.46	End Shut-In(2)
277	2933.08	140.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%Mud	0.15

Gas Rates

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

Oxy USA, Inc.

Davis F-1

P.O. Box 2528
Liberal, KS 67905

18/32S/34

Job Ticket: 20565

DST#: 1

ATTN: Tim Hedrick

Test Start: 2005.03.26 @ 11:50:05

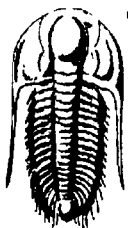
Tool Information

Drill Pipe:	Length: 5725.00 ft	Diameter: 3.80 inches	Volume: 80.31 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: 364.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose:	110000.0 lb
			Total Volume: 82.10 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	6100.00 ft			Final	88000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	130.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool plugged during initial flow, pressure for IF, and ISI are invalid. FF and FSI are correct pressures.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			6071.00	
Shut In Tool	5.00			6076.00	
Sampler	3.00			6079.00	
Hydraulic tool	5.00			6084.00	
Jars	5.00			6089.00	
Safety Joint	2.00			6091.00	
Packer	5.00			6096.00	30.00 Bottom Of Top Packer
Packer	4.00			6100.00	
Stubb	1.00			6101.00	
Perforations	1.00			6102.00	
Recorder	0.00	6752	Inside	6102.00	
Perforations	31.00			6133.00	
Change Over Sub	1.00			6134.00	
Drill Pipe	62.00			6196.00	
Change Over Sub	1.00			6197.00	
Recorder	0.00	13630	Inside	6197.00	
Bullnose	3.00			6200.00	100.00 Bottom Packers & Anchor
Total Tool Length:	130.00				



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FLUID SUMMARY

Oxy USA, Inc.

Davis F-1

P.O. Box 2528
Liberal, KS 67905

18/32S/34

Job Ticket: 20565

DST#: 1

ATTN: Tim Hedrick

Test Start: 2005.03.26 @ 11:50:05

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:

6200 ppm

Viscosity: 72.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler=4000ml mud @ 100 psi, RW=6200

Recovery: RW=1.384@52F=6200

Serial #: 6752

Inside

Oxy USA, Inc.

18/32S/34

DST Test Number: 1

Pressure vs. Time

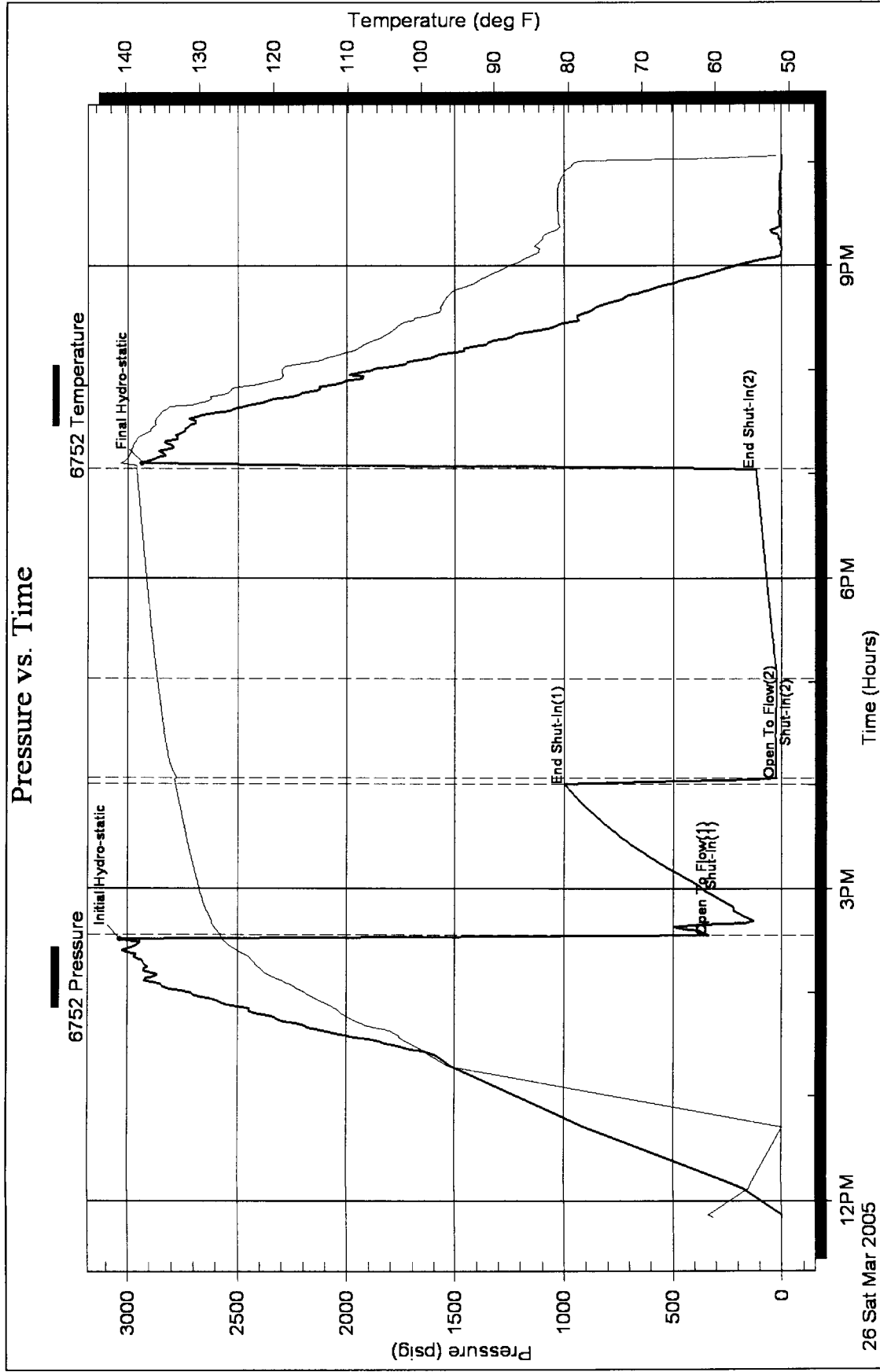


CHART PAGE

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

