

28-12-16W

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KANSAS CORPORATION COMMISSION

OCT 13 2003

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp.**

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

28-12-16-Ellis-Ks

Coleen 28-2

Start Date: 2003.07.07 @ 17:15:18

End Date: 2003.07.07 @ 22:44:18

Job Ticket #: 17258

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

Imperial American Oil Corp.

 303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

Coleen 28-2
28-12-16-Ellis-Ks

Job Ticket: 17258

DST#: 1

Test Start: 2003.07.07 @ 17:15:18

GENERAL INFORMATION:

 Formation: **Topeka 30'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:06:48

Time Test Ended: 22:44:18

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

 Interval: **3045.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Total Depth: 3075.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2116.00 ft (KB)

2111.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 2357

Inside

Press@RunDepth: 56.06 psig @ 3046.00 ft (KB)

Start Date: 2003.07.07

End Date: 2003.07.07

Start Time: 17:15:23

End Time: 22:44:17

Capacity: 7000.00 psig

Last Calib.: 2003.07.07

Time On Btm: 2003.07.07 @ 19:05:18

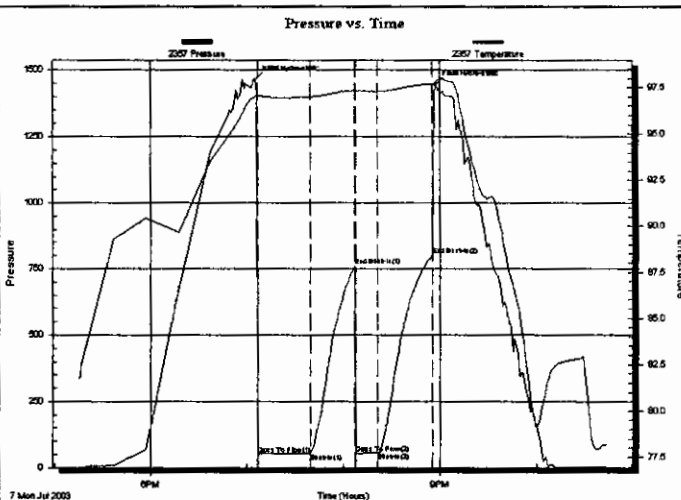
Time Off Btm: 2003.07.07 @ 20:57:18

TEST COMMENT: Slid tool 11' to bottom - lost 20' mud

IF-blow surging and dieing

FF-No blow-flushed tool

Times-30-30-15-30





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp.

Coleen 28-2

303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17258

DST#: 1

ATTN: Hal Porter

Test Start: 2003.07.07 @ 17:15:18

Tool Information

Drill Pipe:	Length:	2932.00 ft	Diameter:	3.80 inches	Volume:	41.13 bbl	Tool Weight:	1800.00 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:	117.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	80000.00 lb
					Total Volume:	41.71 bbl	Tool Chased	11.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		3045.00 ft					Final	60000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		30.00 ft						
Tool Length:		51.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3025.00	
S.I. Tool	5.00			3030.00	
HMV	5.00			3035.00	
Packer	5.00			3040.00	21.00 Bottom Of Top Packer
Packer	5.00			3045.00	
Stubb	1.00			3046.00	
Recorder	0.00	2357	Inside	3046.00	
Perforations	26.00			3072.00	
Recorder	0.00	13254	Outside	3072.00	
Bullnose	3.00			3075.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Imperial American Oil Corp. 303 N. Carroll # 214 Denton Tx 78201 ATTN: Hal Porter		Coleen 28-2 28-12-16-Ellis-Ks Job Ticket: 17258 DST#: 1 Test Start: 2003.07.07 @ 17:15:18
Mud and Cushion Information			
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 51.00 sec/qt Water Loss: 7.18 in ³ Resistivity: ohm.m Salinity: 6000.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	
		Oil API:	deg API
		Water Salinity:	ppm
Recovery Information			
Recovery Table			
Length ft	Description	Volume bbl	
65.00	DM	0.320	
Total Length: 65.00 ft		Total Volume: 0.320 bbl	
Num Fluid Samples: 0		Num Gas Bombs: 0	Serial #:
Laboratory Name:		Laboratory Location:	
Recovery Comments:			

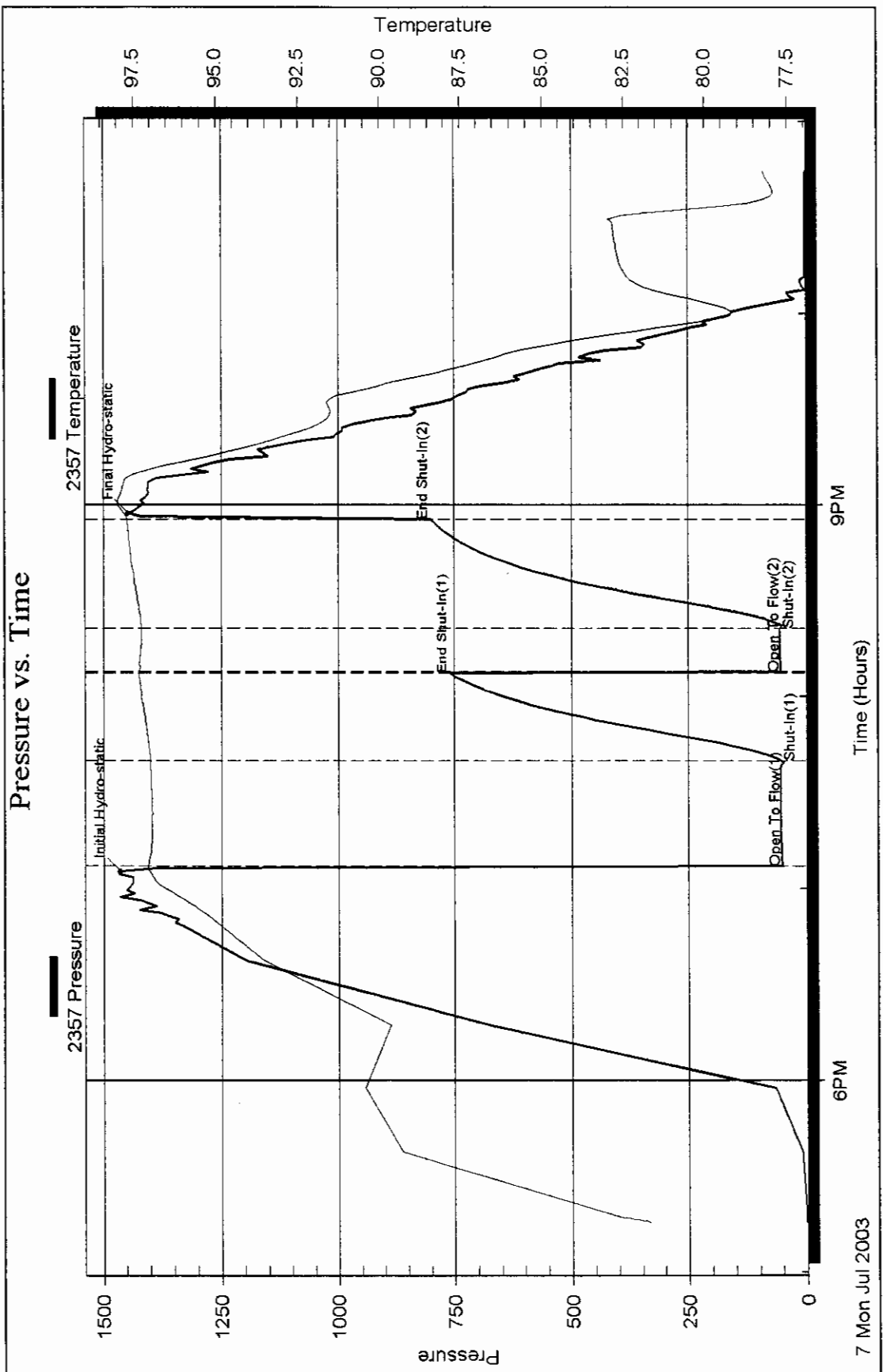
DST Test Number: 1

28-12-16-Elis-Ks

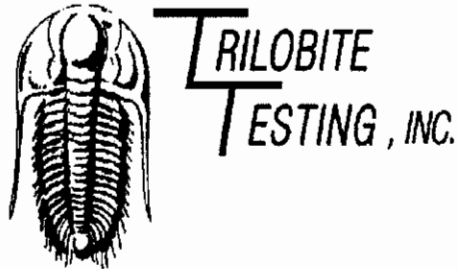
Imperial American Oil Corp.

Inside

Serial #: 2357



ORIGINAL



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp.**

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

28-12-16-Ellis-Ks

Coleen 28-2

Start Date: 2003.07.08 @ 21:45:57

End Date: 2003.07.09 @ 04:23:27

Job Ticket #: 17259 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp.

Coleen 28-2

 303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17259

DST#: 2

ATTN: Hal Porter

Test Start: 2003.07.08 @ 21:45:57

GENERAL INFORMATION:

 Formation: **Tor-LKC 'D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:27:27

Time Test Ended: 04:23:27

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

 Interval: **3273.00 ft (KB) To 3390.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

2111.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 2357
Inside

Press@RunDepth: 68.53 psig @ 3278.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.07.08

End Date:

2003.07.09

Last Calib.: 2003.07.09

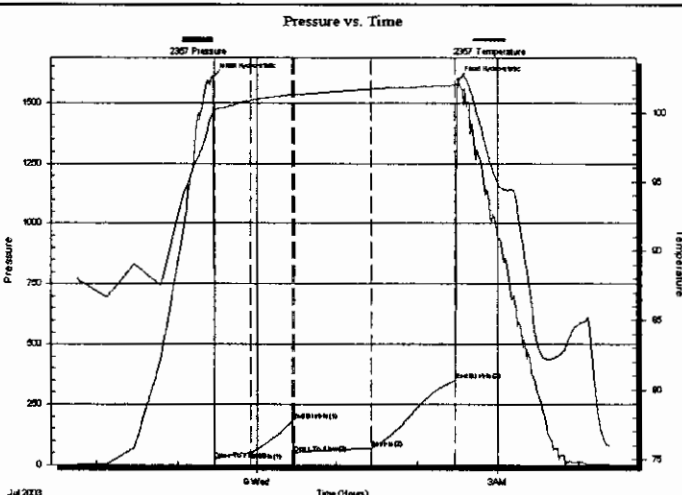
Start Time: 21:46:02

End Time:

04:23:26

Time On Btm: 2003.07.08 @ 23:26:57

Time Off Btm: 2003.07.09 @ 02:30:27

TEST COMMENT: IF-Weak building to 1"
FF-Weak building to 3"
Times-30-30-60-60


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.55	100.05	Initial Hydro-static
1	20.79	100.13	Open To Flow (1)
28	50.65	100.84	Shut-In(1)
60	181.31	101.28	End Shut-In(1)
61	46.72	101.28	Open To Flow (2)
119	68.53	101.66	Shut-In(2)
182	350.20	101.94	End Shut-In(2)
184	1596.01	102.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	DMw/show of oil in tool	0.49

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp.

Coleen 28-2

303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17259

DST#: 2

ATTN: Hal Porter

Test Start: 2003.07.08 @ 21:45:57

Tool Information

Drill Pipe:	Length: 3146.00 ft	Diameter: 3.80 inches	Volume: 44.13 bbl	Tool Weight: 1800.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 64000.00 lb
			Total Volume: 44.71 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3273.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	138.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3253.00	
S.I. Tool	5.00			3258.00	
HMV	5.00			3263.00	
Packer	5.00			3268.00	21.00 Bottom Of Top Packer
Packer	5.00			3273.00	
Stubb	1.00			3274.00	
Perforations	3.00			3277.00	
C.O. Sub	1.00			3278.00	
Recorder	0.00	2357	Inside	3278.00	
Blank Spacing	93.00			3371.00	
C.O. Sub	1.00			3372.00	
Recorder	0.00	13254	Outside	3372.00	
Perforations	15.00			3387.00	
Bullnose	3.00			3390.00	117.00 Bottom Packers & Anchor

Total Tool Length: 138.00

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Imperial American Oil Corp. 303 N. Carroll # 214 Denton Tx 78201 ATTN: Hal Porter	Coleen 28-2 28-12-16-Ellis-Ks Job Ticket: 17259 DST#: 2 Test Start: 2003.07.08 @ 21:45:57	

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:
Viscosity: 53.00 sec/qt	Cushion Volume:	bbl	ppm
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:	psig	
Salinity: 15000.00 ppm			
Filter Cake: inches			

Recovery Information

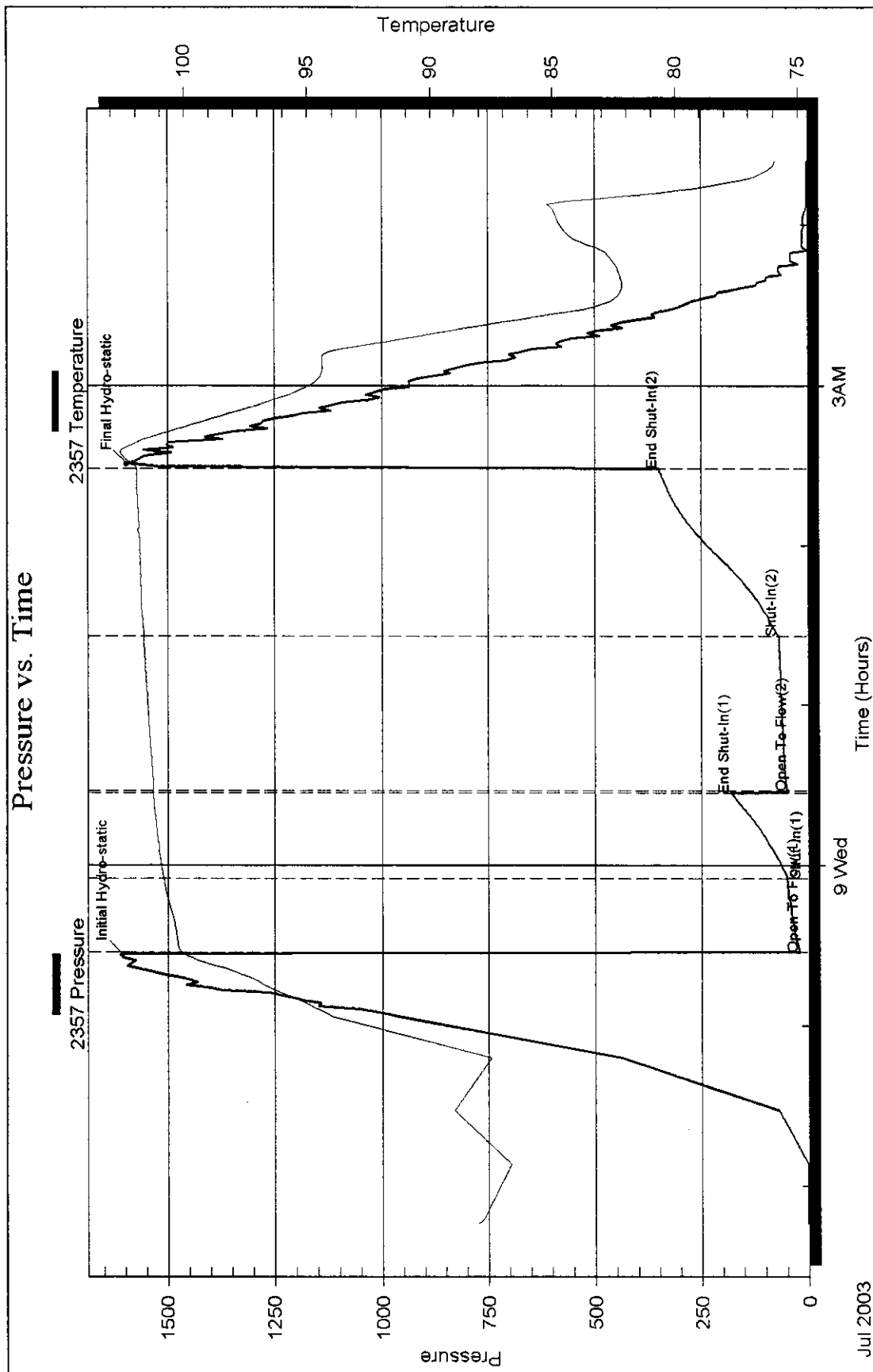
Recovery Table

Length ft	Description	Volume bbl
100.00	DM w/show of oil in tool	0.492

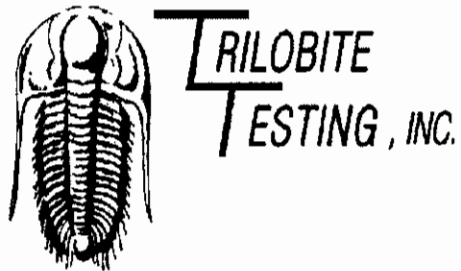
Total Length: 100.00 ft Total Volume: 0.492 bbl

 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



ORIGINAL



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp.**

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

28-12-16-Ellis-Ks

Coleen 28-2

Start Date: 2003.07.09 @ 11:50:09

End Date: 2003.07.09 @ 17:35:39

Job Ticket #: 17260 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp.

Coleen 28-2303 N. Carroll # 214
Denton Tx 78201**28-12-16-Ellis-Ks**

Job Ticket: 17260

DST#: 3

ATTN: Hal Porter

Test Start: 2003.07.09 @ 11:50:09

GENERAL INFORMATION:

Formation: **F-G LKC**Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:23:09

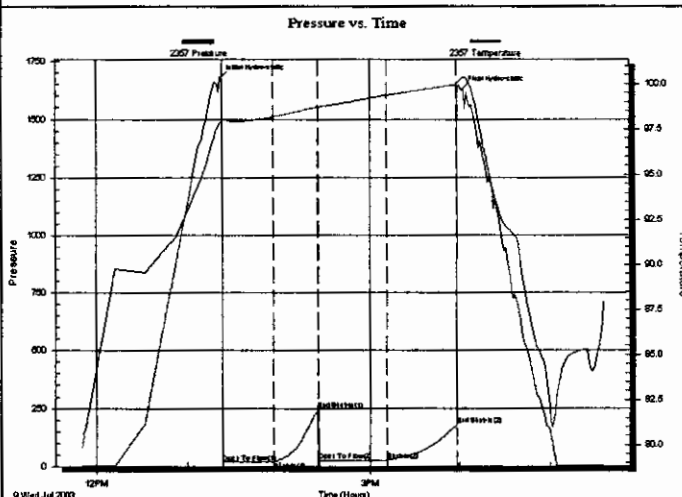
Time Test Ended: 17:35:39

Test Type: **Conventional Bottom Hole**Tester: **Dan Bangle**Unit No: **21**Interval: **3388.00 ft (KB) To 3430.00 ft (KB) (TVD)**Total Depth: **3430.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Good**Reference Elevations: **2116.00 ft (KB)****2111.00 ft (CF)**KB to GR/CF: **5.00 ft****Serial #: 2357****Inside**Press@RunDepth: **25.55 psig @ 3389.00 ft (KB)**Start Date: **2003.07.09**

End Date:

2003.07.09Capacity: **7000.00 psig**Last Calib.: **2003.07.09**Start Time: **11:50:14**

End Time:

17:35:38Time On Btmr: **2003.07.09 @ 13:21:39**Time Off Btmr: **2003.07.09 @ 16:01:39****TEST COMMENT: F-Weak died in 5 min****FF-No blow****Times-30-30-45-45**

PRESSURE SUMMARY

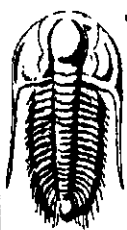
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.52	97.84	Initial Hydro-static
2	17.40	97.99	Open To Flow (1)
35	21.81	98.18	Shut-In(1)
64	246.31	98.72	End Shut-In(1)
65	22.79	98.73	Open To Flow (2)
110	25.55	99.35	Shut-In(2)
156	177.56	99.95	End Shut-In(2)
160	1628.17	100.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp.

Coleen 28-2

303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17260

DST#: 3

ATTN: Hal Porter

Test Start: 2003.07.09 @ 11:50:09

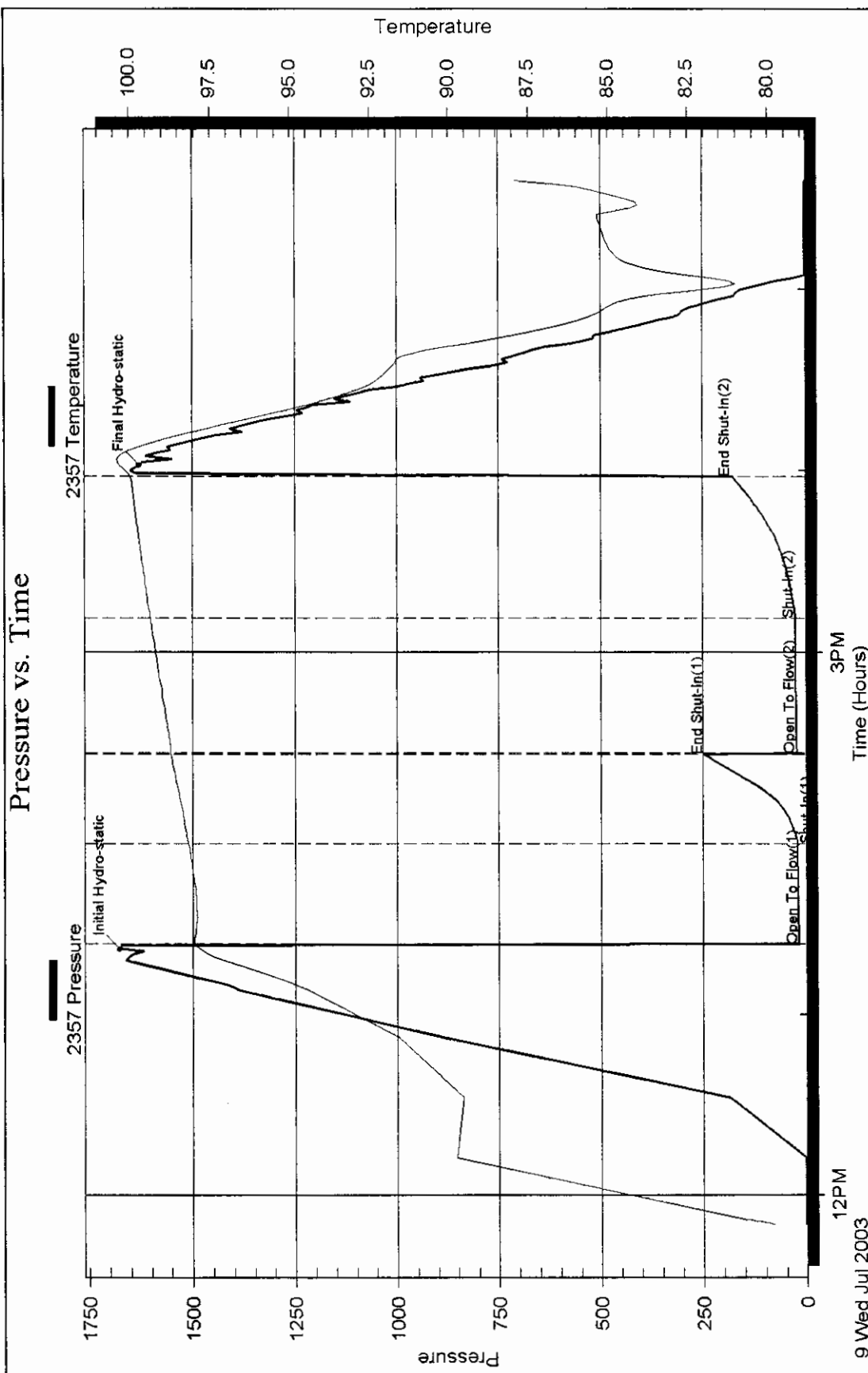
Tool Information

Drill Pipe:	Length: 3275.00 ft	Diameter: 3.80 inches	Volume: 45.94 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 46.52 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3388.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

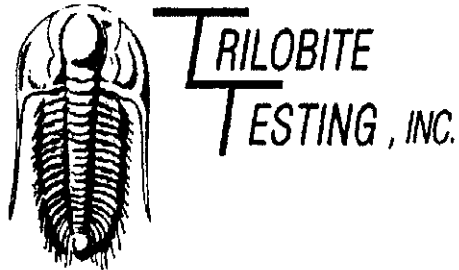
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3368.00	
S.I. Tool	5.00			3373.00	
HMV	5.00			3378.00	
Packer	5.00			3383.00	21.00 Bottom Of Top Packer
Packer	5.00			3388.00	
Stubb	1.00			3389.00	
Recorder	0.00	2357	Inside	3389.00	
Perforations	38.00			3427.00	
Recorder	0.00	13254	Outside	3427.00	
Bullnose	3.00			3430.00	42.00 Bottom Packers & Anchor
Total Tool Length:	63.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY						
	Imperial American Oil Corp. 303 N. Carroll # 214 Denton Tx 78201 ATTN: Hal Porter		Coleen 28-2 28-12-16-Ellis-Ks Job Ticket: 17260 DST#: 3 Test Start: 2003.07.09 @ 11:50:09						
Mud and Cushion Information									
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 49.00 sec/qt Water Loss: 8.99 in ³ Resistivity: ohm.m Salinity: 13500.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig							
		Oil API: deg API Water Salinity: ppm							
Recovery Information									
Recovery Table									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5.00</td> <td>DM</td> <td style="text-align: center;">0.025</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	5.00	DM	0.025
Length ft	Description	Volume bbl							
5.00	DM	0.025							
Total Length: 5.00 ft		Total Volume: 0.025 bbl							
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:							
Laboratory Name:		Laboratory Location:							
Recovery Comments:									

Pressure vs. Time



ORIGINAL



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp.**

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

28-12-16-Ellis-Ks

Coleen 28-2

Start Date: 2003.07.10 @ 09:55:38

End Date: 2003.07.10 @ 14:58:38

Job Ticket #: 17261 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp.

 303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

Coleen 28-2
28-12-16-Ellis-Ks

Job Ticket: 17261

DST#: 4

Test Start: 2003.07.10 @ 09:55:38

GENERAL INFORMATION:

 Formation: **Arb**

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

Time Tool Opened: 11:44:08

Time Test Ended: 14:58:38

 Test Type: **Conventional Bottom Hole**

 Tester: **Dan Bangle**

 Unit No: **21**

 Interval: **3561.00 ft (KB) To 3596.00 ft (KB) (TVD)**

 Total Depth: **3596.00 ft (KB) (TVD)**

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

 Reference Elevations: **2116.00 ft (KB)**
2111.00 ft (CF)

 KB to GR/CF: **5.00 ft**
Serial #: 2357
Inside

 Press@RunDepth: **24.91 psig @ 3562.00 ft (KB)**

 Start Date: **2003.07.10**

End Date:

2003.07.10

 Start Time: **09:55:43**

End Time:

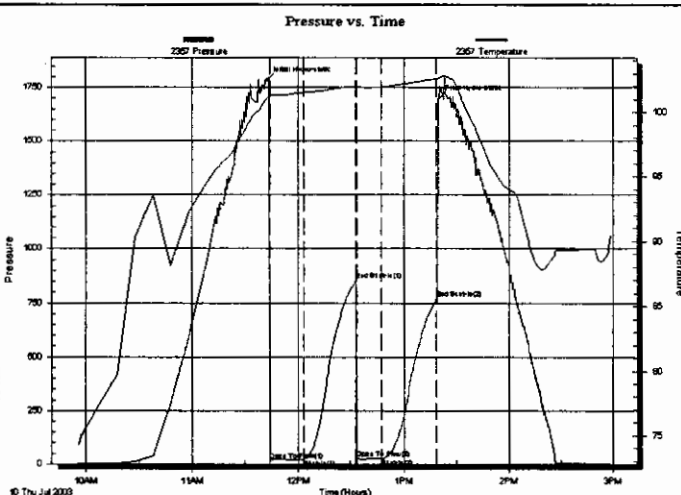
14:58:37

 Capacity: **7000.00 psig**

 Last Calib.: **2003.07.10**

 Time On Btm: **2003.07.10 @ 11:42:38**

 Time Off Btm: **2003.07.10 @ 13:20:08**

 TEST COMMENT: IF-Weak - Died in 10 minutes
FF-No blow


PRESSURE SUMMARY

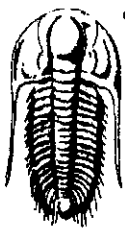
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.00	101.09	Initial Hydro-static
2	18.72	101.29	Open To Flow (1)
21	21.33	101.53	Shut-In(1)
51	856.84	102.05	End Shut-In(1)
51	23.73	102.06	Open To Flow (2)
65	24.91	101.97	Shut-In(2)
96	769.93	102.59	End Shut-In(2)
98	1698.81	102.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Slitly OCM 3%o 97% m	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp.

Coleen 28-2

303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17261

DST#: 4

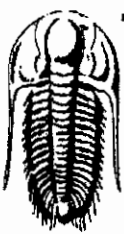
ATTN: Hal Porter

Test Start: 2003.07.10 @ 09:55:38

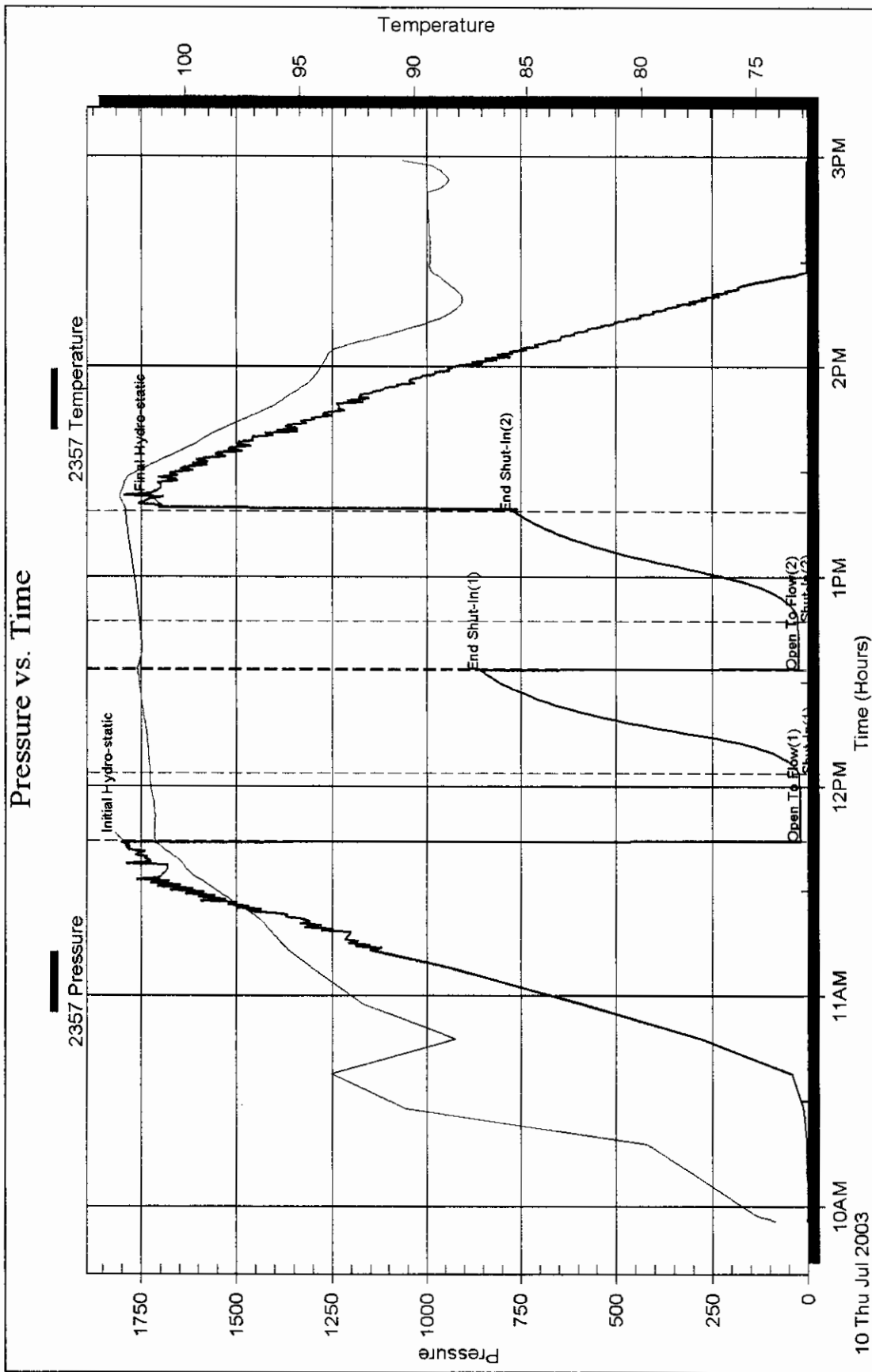
Tool Information

Drill Pipe:	Length: 3428.00 ft	Diameter: 3.80 inches	Volume: 48.09 bbl	Tool Weight: 1900.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 48.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3561.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

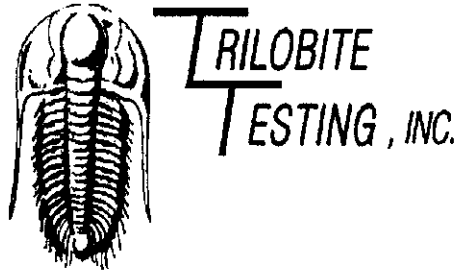
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3541.00	
S.I. Tool	5.00			3546.00	
HMV	5.00			3551.00	
Packer	5.00			3556.00	21.00 Bottom Of Top Packer
Packer	5.00			3561.00	
Stubb	1.00			3562.00	
Recorder	0.00	2357	Inside	3562.00	
Perforations	31.00			3593.00	
Recorder	0.00	13254	Outside	3593.00	
Bullnose	3.00			3596.00	35.00 Bottom Packers & Anchor
Total Tool Length:	56.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY						
	Imperial American Oil Corp. 303 N. Carroll # 214 Denton Tx 78201 ATTN: Hal Porter		Coleen 28-2 28-12-16-Ellis-Ks Job Ticket: 17261 DST#: 4 Test Start: 2003.07.10 @ 09:55:38						
Mud and Cushion Information									
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 63.00 sec/qt Water Loss: 7.19 in ³ Resistivity: ohm.m Salinity: 16500.00 ppm Filter Cake: inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig							
		Oil API:	deg API						
		Water Salinity:	ppm						
Recovery Information									
Recovery Table									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 20%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5.00</td> <td>Slitly OCM 3%o 97%m</td> <td style="text-align: center;">0.025</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	5.00	Slitly OCM 3%o 97%m	0.025
Length ft	Description	Volume bbl							
5.00	Slitly OCM 3%o 97%m	0.025							
Total Length: 5.00 ft		Total Volume: 0.025 bbl							
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:							
Laboratory Name:		Laboratory Location:							
Recovery Comments:									

Pressure vs. Time



ORIGINAL



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp.**

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

28-12-16-Ellis-Ks

Coleen 28-2

Start Date: 2003.07.10 @ 20:12:22

End Date: 2003.07.11 @ 02:43:52

Job Ticket #: 17262 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

101022


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp.

303 N. Carroll # 214
Denton Tx 78201

ATTN: Hal Porter

Coleen 28-2

28-12-16-Ellis-Ks

Job Ticket: 17262

DST#: 5

Test Start: 2003.07.10 @ 20:12:22

GENERAL INFORMATION:

Formation: Arb

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:07:22

Time Test Ended: 02:43:52

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3592.00 ft (KB) To 3606.00 ft (KB) (TVD)

Total Depth: 3606.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2116.00 ft (KB)

2111.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 2357 Inside

Press@RunDepth: 81.09 psig @ 3593.00 ft (KB)

Start Date: 2003.07.10

End Date:

2003.07.11

Start Time: 20:12:27

End Time:

02:43:51

Capacity: 7000.00 psig

Last Calib.: 2003.07.11

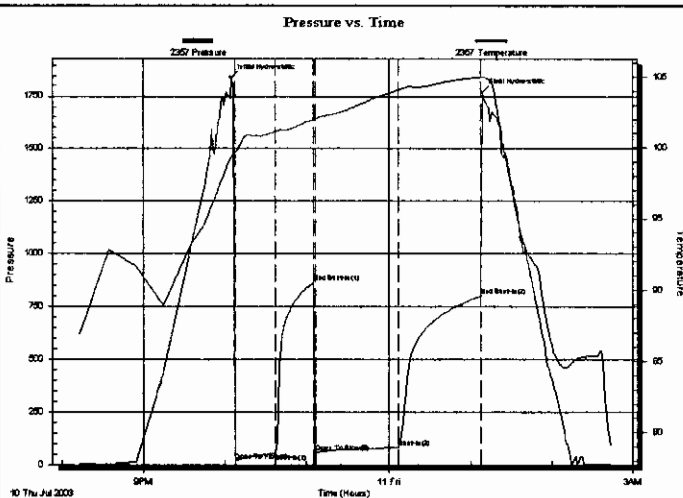
Time On Btm: 2003.07.10 @ 22:04:52

Time Off Btm: 2003.07.11 @ 01:08:22

TEST COMMENT: IF-Weak building to 1 1/2"

FF-Weak steady surface blow

Times-30-30-60-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.96	99.35	Initial Hydro-static
3	18.54	99.61	Open To Flow (1)
33	55.74	101.11	Shut-In(1)
61	862.41	101.98	End Shut-In(1)
62	57.24	102.00	Open To Flow (2)
122	81.09	104.06	Shut-In(2)
183	799.97	104.99	End Shut-In(2)
184	1768.40	105.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	CO	0.05
135.00	Wtr Rw .30 @ 80 = 20000ppm	0.92

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp.

Coleen 28-2

303 N. Carroll # 214
Denton Tx 78201

28-12-16-Ellis-Ks

Job Ticket: 17262

DST#: 5

ATTN: Hal Porter

Test Start: 2003.07.10 @ 20:12:22

Tool Information

Drill Pipe:	Length: 3460.00 ft	Diameter: 3.80 inches	Volume: 48.53 bbl	Tool Weight: 1100.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 68000.00 lb
			Total Volume: 49.11 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3592.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3572.00	
S.I. Tool	5.00			3577.00	
HMV	5.00			3582.00	
Packer	5.00			3587.00	21.00 Bottom Of Top Packer
Packer	5.00			3592.00	
Stubb	1.00			3593.00	
Recorder	0.00	2357	Inside	3593.00	
Perforations	10.00			3603.00	
Recorder	0.00	13254	Outside	3603.00	
Bullnose	3.00			3606.00	14.00 Bottom Packers & Anchor
Total Tool Length:	35.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Imperial American Oil Corp. 303 N. Carroll # 214 Denton Tx 78201 ATTN: Hal Porter		Coleen 28-2 28-12-16-Ellis-Ks Job Ticket: 17262 DST#: 5 Test Start: 2003.07.10 @ 20:12:22

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	20000 ppm
Viscosity: 63.00 sec/qt	Cushion Volume:		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 16500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	CO	0.049
135.00	Wtr Rw .30 @ 80 = 20000ppm	0.919

Total Length: 145.00 ft	Total Volume: 0.968 bbl
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Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Serial #: 2357

Inside

Imperial American Oil Corp.

28-12-16-Ellis-Ks

DST Test Number: 5

