

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carroll Blvd #214
Denton, Tx 76201

JAN 21 2003

100 WILSON

ATTN: Hal Porter

33-13-19-Ellis-Ks

Dorothy # 33-1

Start Date: 2002.08.27 @ 10:32:15

End Date: 2002.08.27 @ 16:51:15

Job Ticket #: 16505 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Imperial American Oil Corp

Dorothy # 33-1

33-13-19-Ellis-Ks

DST # 1

B-C-D-E

2002.08.27

1014/b1



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Imperial American Oil Corp
 303 N Carroll Blvd #214
 Denton, Tx 76201
 ATTN: Hal Porter

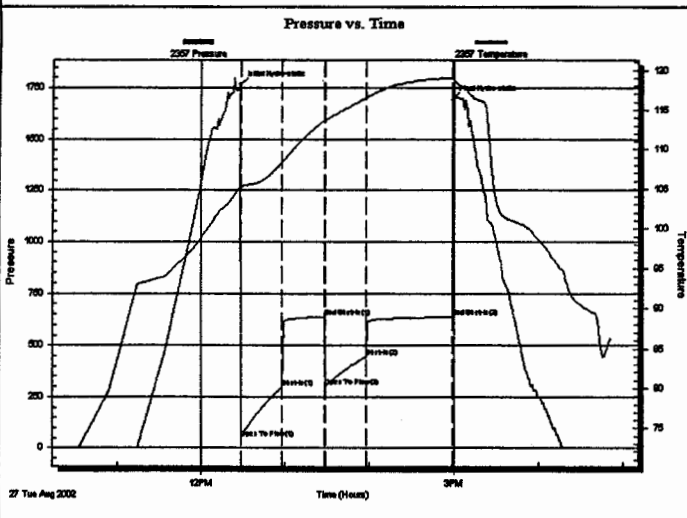
Dorothy # 33-1
33-13-19-Ellis-Ks
 Job Ticket: 16505 DST#: 1
 Test Start: 2002.08.27 @ 10:32:15

GENERAL INFORMATION:

Formation: **B-C-D-E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:28:45
 Time Test Ended: 16:51:15
 Interval: **3576.00 ft (KB) To 3638.00 ft (KB) (TVD)**
 Total Depth: **3638.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 21
 Reference Elevations: **2267.00 ft (KB)**
2262.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 2357 Inside
 Press@RunDepth: **444.18 psig @ 3583.01 ft (KB)**
 Start Date: **2002.08.27** End Date: **2002.08.27**
 Start Time: **10:32:16** End Time: **16:51:15**
 Capacity: **7000.00 psig**
 Last Calib.: **2002.08.27**
 Time On Btmr: **2002.08.27 @ 12:28:15**
 Time Off Btmr: **2002.08.27 @ 14:58:45**

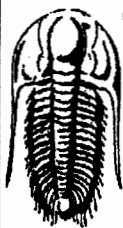
TEST COMMENT: IF-Strong BOB in 3 min
 FF-Strong BOB in 10 min
 Times-30-30-30-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1766.32	105.25	Initial Hydro-static
1	48.95	105.31	Open To Flow (1)
30	297.00	108.35	Shut-in(1)
60	636.62	113.66	End Shut-in(1)
61	300.69	113.71	Open To Flow (2)
90	444.18	116.51	Shut-in(2)
150	636.16	118.99	End Shut-in(2)
151	1693.78	119.00	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1116.00	Water Rw .08@86.5=83000ppm	14.86

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16505

DST#: 1

ATTN: Hal Porter

Test Start: 2002.08.27 @ 10:32:15

Tool Information

Drill Pipe:	Length: 3492.00 ft	Diameter: 3.80 inches	Volume: 48.98 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 49.41 bbl</u>	Tool Chased 0.01 ft
Drill Pipe Above KB:	24.01 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3576.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.02 ft			
Tool Length:	83.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

JAN 21 2003

103110173

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3556.00	
S.I. Tool	5.00			3561.00	
HMV	5.00			3566.00	
Packer	5.00			3571.00	21.00 Bottom Of Top Packer
Packer	5.00			3576.00	
Stubb	1.00			3577.00	
Perforations	5.00			3582.00	
C.O. Sub	1.00			3583.00	
Recorder	0.01	2357	Inside	3583.01	
Blank Spacing	31.00			3614.01	
C.O. Sub	1.00			3615.01	
Recorder	0.01	13254	Outside	3615.02	
Perforations	20.00			3635.02	
Blank Spacing	3.00			3638.02	62.02 Bottom Packers & Anchor

Total Tool Length: 83.02

101461



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oil Corp
303 N Carroll Blvd #214
Denton, Tx 76201
ATTN: Hal Porter

Dorothy # 33-1
33-13-19-Ellis-Ks
Job Ticket: 16505 **DST#: 1**
Test Start: 2002.08.27 @ 10:32:15

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:	83000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

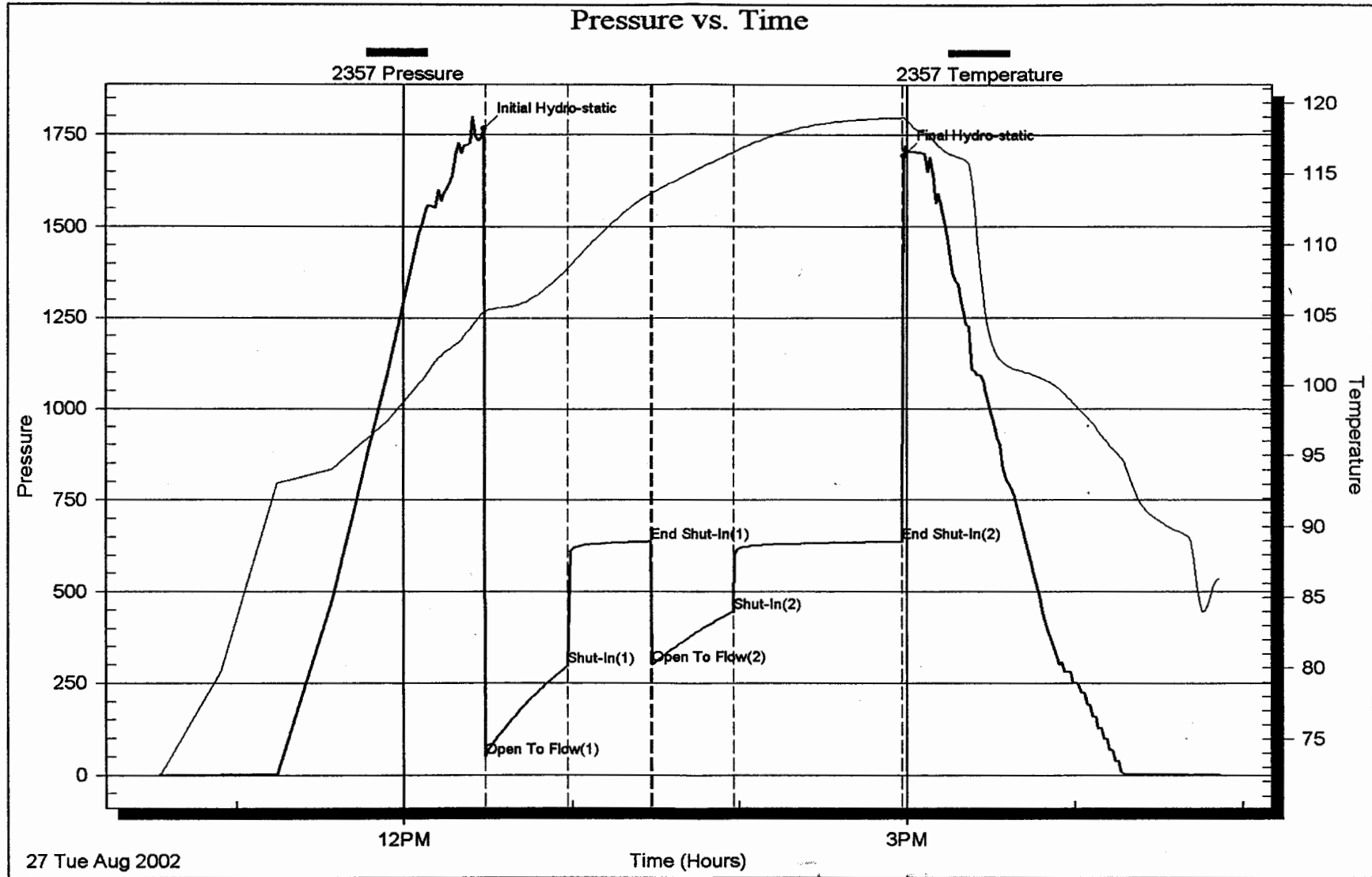
Length ft	Description	Volume bbl
1116.00	Water Rw .08@86.5=83000ppm	14.862

Total Length: 1116.00 ft Total Volume: 14.862 bbl

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

Laboratory Name: Laboratory Location:

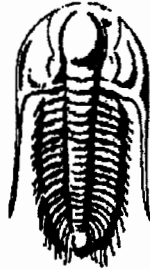
Recovery Comments:



27 Tue Aug 2002

Time (Hours)

JAN 21 2003



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carroll Blvd #214
Denton, Tx 76201

RECEIVED
JAN 21 2003
KCO WICHITA

ATTN: Hal Porter

33-13-19-Ellis-Ks

Dorothy # 33-1

Start Date: 2002.08.28 @ 03:41:13

End Date: 2002.08.28 @ 10:46:43


Job Ticket #: 16506 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Imperial American Oil Corp	Dorothy # 33-1
303 N Carroll Blvd #214 Denton, Tx 76201	33-13-19-Ellis-Ks
ATTN: Hal Porter	Job Ticket: 16506 DST#: 2
	Test Start: 2002.08.28 @ 03:41:13

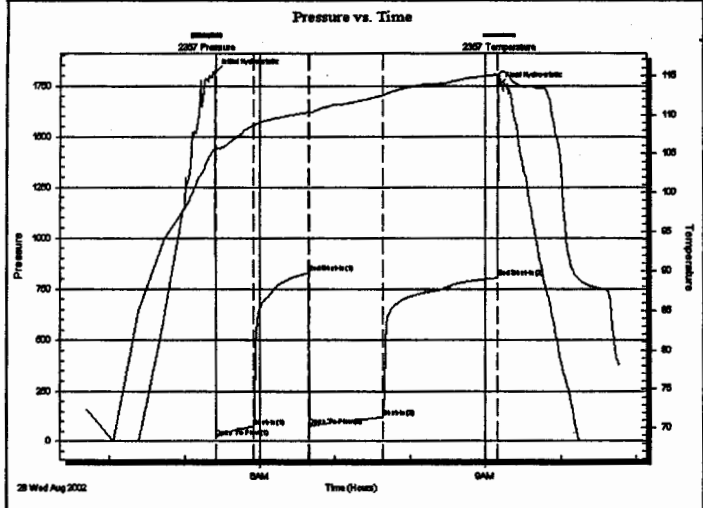
GENERAL INFORMATION:

Formation: G-H-I-J LK	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Dan Bangle
Time Tool Opened: 05:24:43	Unit No: 21
Time Test Ended: 10:46:43	Reference Elevations: 2267.00 ft (KB)
Interval: 3669.00 ft (KB) To 3746.00 ft (KB) (TVD)	2262.00 ft (CF)
Total Depth: 3746.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

Serial #: 2357 Inside

Press@RunDepth: 121.08 psig @ 3672.01 ft (KB)	Capacity: 7000.00 psig
Start Date: 2002.08.28 End Date: 2002.08.28	Last Calib.: 2002.08.28
Start Time: 03:41:14 End Time: 10:46:43	Time On Btm: 2002.08.28 @ 05:24:13
	Time Off Btm: 2002.08.28 @ 09:10:13

TEST COMMENT: F-Weak building to 5"
FF-Weak steady surface blow
Times-30-45-60-90



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.21	105.58	Initial Hydro-static
1	20.01	105.60	Open To Flow (1)
31	73.18	108.63	Shut-in(1)
75	826.22	110.30	End Shut-in(1)
76	76.88	110.31	Open To Flow (2)
135	121.08	112.50	Shut-in(2)
226	803.27	115.08	End Shut-in(2)
226	1749.94	115.12	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
154.00	Mud w/ show oil in tool	1.37

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16506

DST#: 2

ATTN: Hal Porter

Test Start: 2002.08.28 @ 03:41:13

Tool Information

Drill Pipe:	Length: 3586.00 ft	Diameter: 3.80 inches	Volume: 50.30 bbl	Tool Weight: 1100.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: 50.73 bbl</u>	Tool Chased 0.01 ft
Drill Pipe Above KB:	25.01 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3669.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.02 ft			
Tool Length:	98.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		


Tool Comments:

JAN 21 2003
10:00 AM

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3649.00	
S.I. Tool	5.00			3654.00	
HMV	5.00			3659.00	
Packer	5.00			3664.00	21.00 Bottom Of Top Packer
Packer	5.00			3669.00	
Stubb	1.00			3670.00	
Perforations	1.00			3671.00	
C.O. Sub	1.00			3672.00	
Recorder	0.01	2357	Inside	3672.01	
Blank Spacing	62.00			3734.01	
C.O. Sub	1.00			3735.01	
Recorder	0.01	13254	Outside	3735.02	
Perforations	8.00			3743.02	
Bullnose	3.00			3746.02	77.02 Bottom Packers & Anchor

Total Tool Length: 98.02

101461

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	Imperial American Oil Corp 303 N Carroll Blvd #214 Denton, Tx 76201 ATTN: Hal Porter	Dorothy # 33-1 33-13-19-Ellis-Ks Job Ticket: 16506 Test Start: 2002.08.28 @ 03:41:13	

Mud and Cushion Information

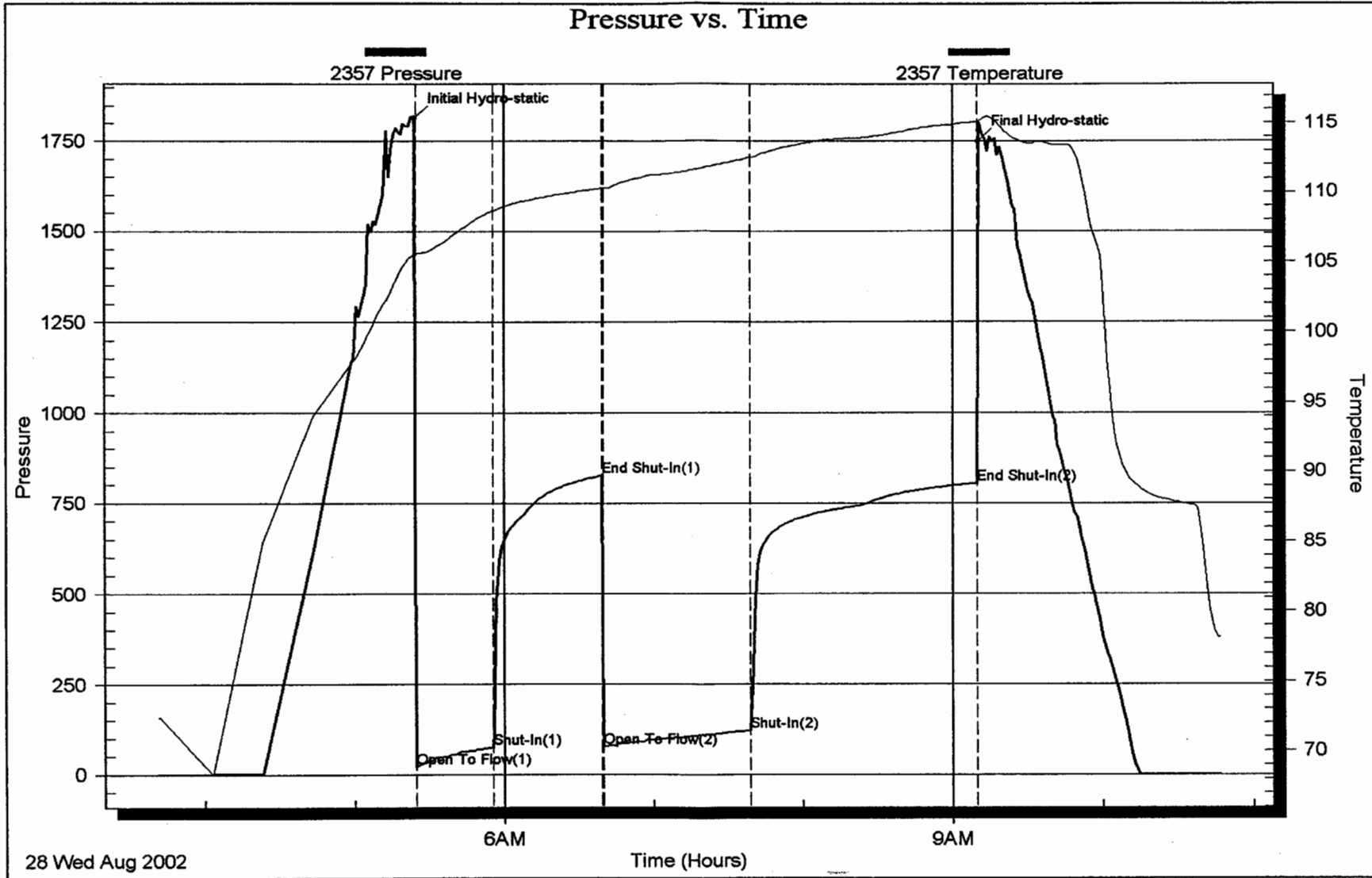
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 48.00 sec/qt Water Loss: 8.77 in ³ Resistivity: ohm.m Salinity: 4000.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig	Oil API: Water Salinity: ppm deg API
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Recovery Information

Recovery Table

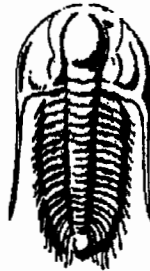
Length ft	Description	Volume bbl
154.00	Mud w/ show oil in tool	1.368

Total Length: 154.00 ft Total Volume: 1.368 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



28 Wed Aug 2002

JAN 21 2003



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carroll Blvd #214
Denton, Tx 76201

JAN 21 2003
10:00 AM

ATTN: Hal Porter

33-13-19-Ellis-Ks

Dorothy # 33-1

Start Date: 2002.08.28 @ 16:50:34

End Date: 2002.08.28 @ 22:59:34

Job Ticket #: 16507 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Imperial American Oil Corp

Dorothy # 33-1

33-13-19-Ellis-Ks

DST # 3

J-K-L

LKC

2002.08.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Imperial American Oil Corp
 303 N Carroll Blvd #214
 Denton, Tx 76201
 ATTN: Hal Porter

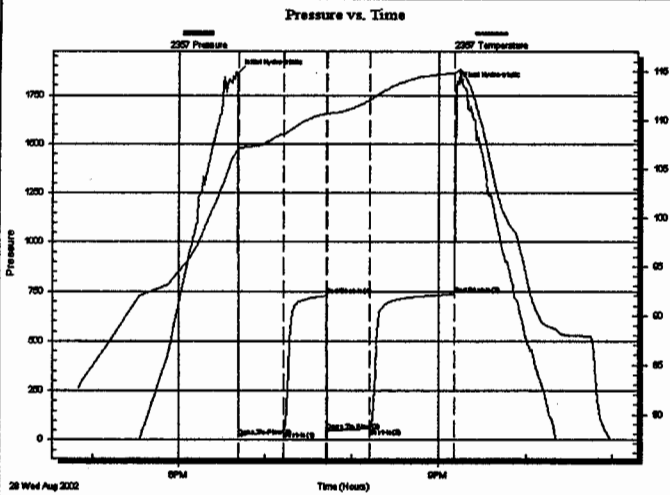
Dorothy # 33-1
33-13-19-Ellis-Ks
 Job Ticket: 16507 **DST#: 3**
 Test Start: 2002.08.28 @ 16:50:34

GENERAL INFORMATION:

Formation: **J-K-L LKC**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: **18:41:34**
 Time Test Ended: **22:59:34**
 Interval: **3729.00 ft (KB) To 3793.00 ft (KB) (TVD)**
 Total Depth: **3793.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**
 Reference Elevations: **2267.00 ft (KB)**
 2262.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 2357 **Inside**
 Press@RunDepth: **60.10 psig @ 3734.01 ft (KB)**
 Start Date: **2002.08.28** End Date: **2002.08.28**
 Start Time: **16:50:35** End Time: **22:59:34**
 Capacity: **7000.00 psig**
 Last Calib.: **2002.08.28**
 Time On Btm: **2002.08.28 @ 18:41:04**
 Time Off Btm: **2002.08.28 @ 21:12:04**

TEST COMMENT: IF-Weak building to 1/2"
 FF-Weak steady surface blow
 Times-30-30-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1857.87	106.99	Initial Hydro-static
1	19.32	107.06	Open To Flow (1)
32	46.68	108.63	Shut-In(1)
61	727.49	110.74	End Shut-In(1)
62	48.42	110.76	Open To Flow (2)
92	60.10	112.14	Shut-In(2)
150	734.06	114.88	End Shut-In(2)
151	1796.12	114.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Drilling Mud	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16507

DST#: 3

ATTN: Hal Porter

Test Start: 2002.08.28 @ 16:50:34

Tool Information

Drill Pipe:	Length: 3647.00 ft	Diameter: 3.80 inches	Volume: 51.16 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 51.59 bbl</u>	Tool Chased 0.01 ft
Drill Pipe Above KB:	26.01 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3729.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.02 ft			
Tool Length:	85.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

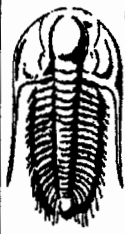
Tool Comments:

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3709.00	
S.I. Tool	5.00			3714.00	
HMV	5.00			3719.00	
Packer	5.00			3724.00	21.00 Bottom Of Top Packer
Packer	5.00			3729.00	
Stubb	1.00			3730.00	
Perforations	3.00			3733.00	
C.O. Sub	1.00			3734.00	
Recorder	0.01	2357	Inside	3734.01	
Blank Spacing	31.00			3765.01	
C.O. Sub	1.00			3766.01	
Recorder	0.01	13254	Outside	3766.02	
Perforations	24.00			3790.02	
Bullnose	3.00			3793.02	64.02 Bottom Packers & Anchor

Total Tool Length: 85.02

101401



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16507

DST#: 3

ATTN: Hal Porter

Test Start: 2002.08.28 @ 16:50:34

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Drilling Mud	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

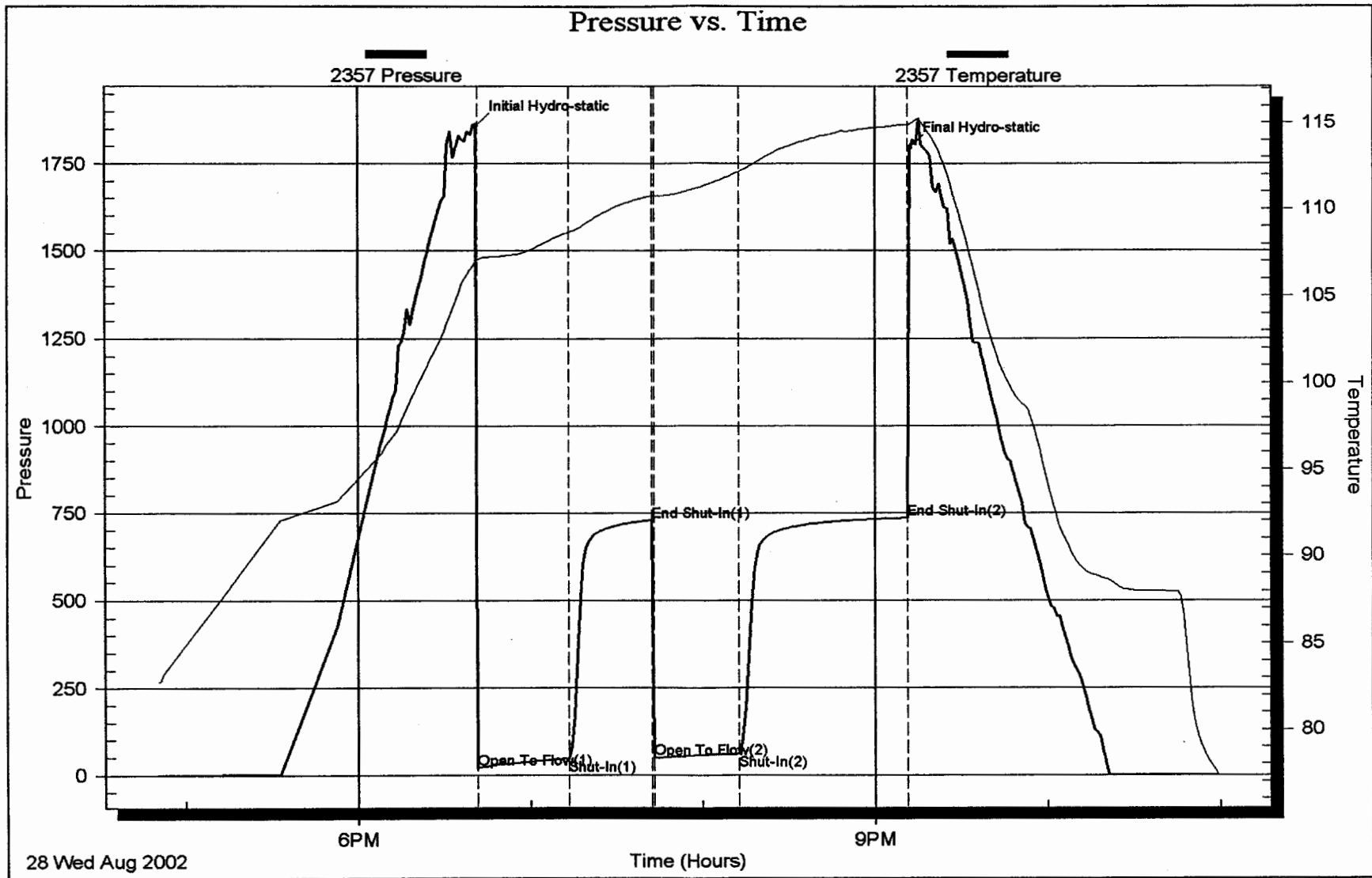
Num Gas Bombs: 0

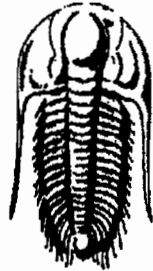
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carroll Blvd #214
Denton, Tx 76201

Received
JAN 21 2003
KOC WICHITA

ATTN: Hal Porter

33-13-19-Ellis-Ks

Dorothy # 33-1

Start Date: 2002.08.29 @ 11:33:03

End Date: 2002.08.29 @ 17:26:33

Job Ticket #: 16508 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

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16508

DST#: 4

ATTN: Hal Porter

Test Start: 2002.08.29 @ 11:33:03

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 13:18:33

Time Test Ended: 17:26:33

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3858.00 ft (KB) To 3915.00 ft (KB) (TVD)**

Total Depth: **3915.00 ft (KB) (TVD)**

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

Reference Elevations: **2267.00 ft (KB)**

2262.00 ft (CF)

KB to GRVCF: **5.00 ft**

Serial #: 2357

Inside

Press@RunDepth: **20.81 psig @ 3861.01 ft (KB)**

Start Date: **2002.08.29**

End Date:

2002.08.29

Capacity: **7000.00 psig**

Last Calib.: **2002.08.29**

Start Time: **11:33:04**

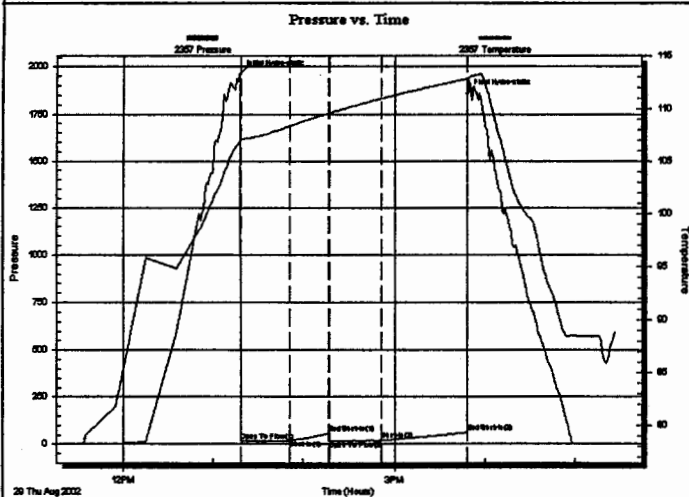
End Time:

17:26:33

Time On Btmr: **2002.08.29 @ 13:18:03**

Time Off Btmr: **2002.08.29 @ 15:48:33**

TEST COMMENT: IF-Weak died in 8 min
FF-No blow
Times-30-30-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.80	106.94	Initial Hydro-static
1	17.24	106.99	Open To Flow (1)
33	20.69	108.38	Shut-In(1)
59	56.46	109.60	End Shut-In(1)
59	18.22	109.61	Open To Flow (2)
94	20.81	110.98	Shut-In(2)
150	61.70	112.82	End Shut-In(2)
151	1858.69	112.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp
303 N Carroll Blvd #214
Denton, Tx 76201
ATTN: Hal Porter

Dorothy # 33-1
33-13-19-Ellis-Ks
Job Ticket: 16508 DST#: 4
Test Start: 2002.08.29 @ 11:33:03

Tool Information

Drill Pipe:	Length: 3770.00 ft	Diameter: 3.80 inches	Volume: 52.88 bbl	Tool Weight: 1300.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: 53.31 bbl</u>	Tool Chased 0.01 ft
Drill Pipe Above KB:	20.01 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3858.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.02 ft			
Tool Length:	78.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

JAN 21 2003

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3838.00	
S.I. Tool	5.00			3843.00	
HMV	5.00			3848.00	
Packer	5.00			3853.00	21.00 Bottom Of Top Packer
Packer	5.00			3858.00	
Stubb	1.00			3859.00	
Perforations	1.00			3860.00	
C.O. Sub	1.00			3861.00	
Recorder	0.01	2357	Inside	3861.01	
Blank Spacing	31.00			3892.01	
C.O. Sub	1.00			3893.01	
Recorder	0.01	13254	Outside	3893.02	
Perforations	19.00			3912.02	
Blank Spacing	3.00			3915.02	57.02 Bottom Packers & Anchor

Total Tool Length: 78.02

10461



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16508

DST#: 4

ATTN: Hal Porter

Test Start: 2002.08.29 @ 11:33:03

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

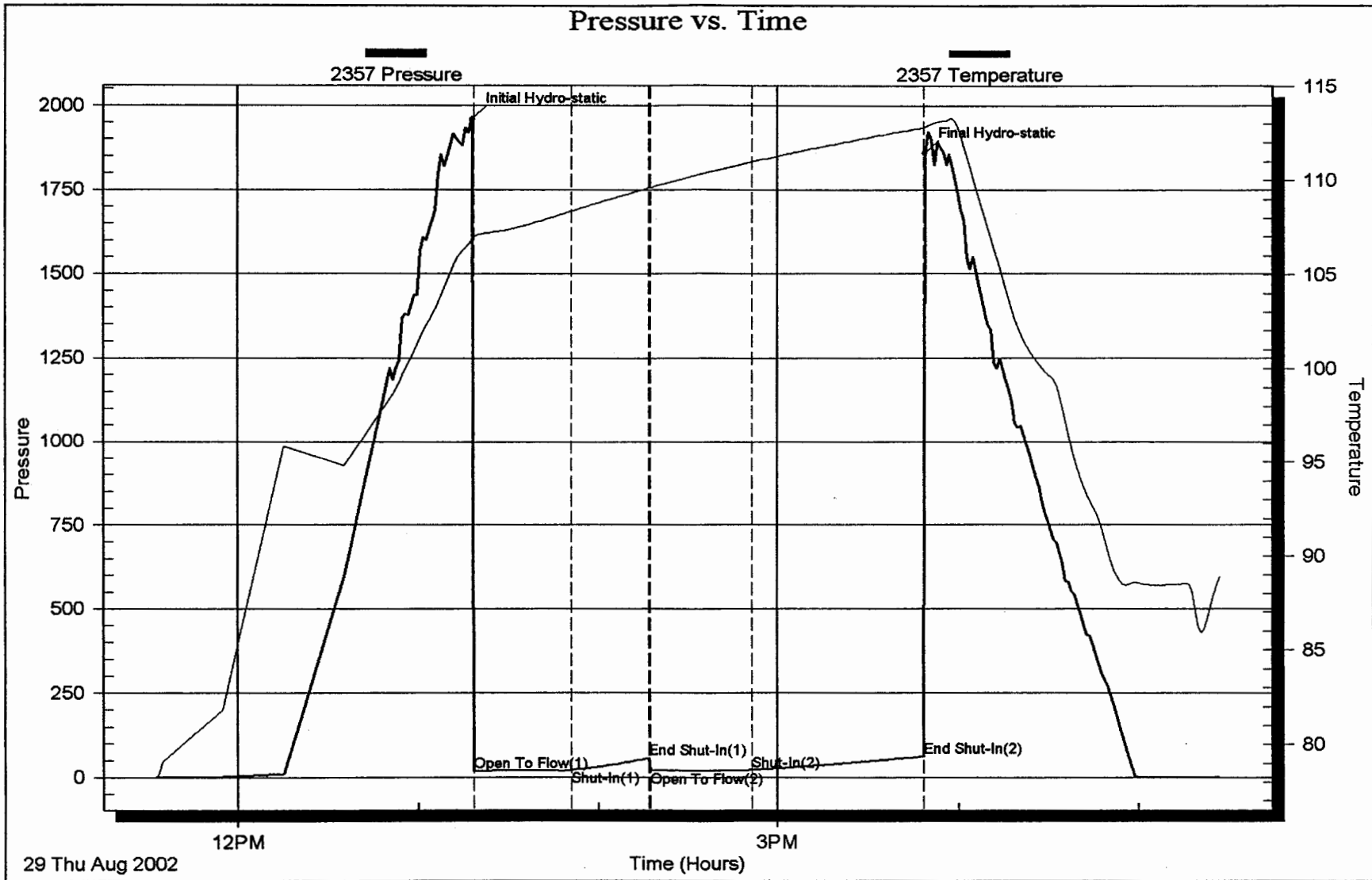
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



INCC VICTORIA
JAN 21 2003



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carroll Blvd #214
Denton, Tx 76201

ATTN: Hal Porter

33-13-19-Ellis-Ks

Dorothy # 33-1

Start Date: 2002.08.29 @ 22:55:23

End Date: 2002.08.30 @ 04:49:23

Job Ticket #: 16509 DST #: 5

RECEIVED
JAN 21 2003
KCC WICHITA

Imperial American Oil Corp

Dorothy # 33-1

33-13-19-Ellis-Ks

DST # 5

Arbuckle


2002.08.29

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

10146

	DRILL STEM TEST REPORT	
	Imperial American Oil Corp 303 N Carroll Blvd #214 Denton, Tx 76201 ATTN: Hal Porter	Dorothy # 33-1 33-13-19-Ellis-Ks Job Ticket: 16509 DST#: 5 Test Start: 2002.08.29 @ 22:55:23

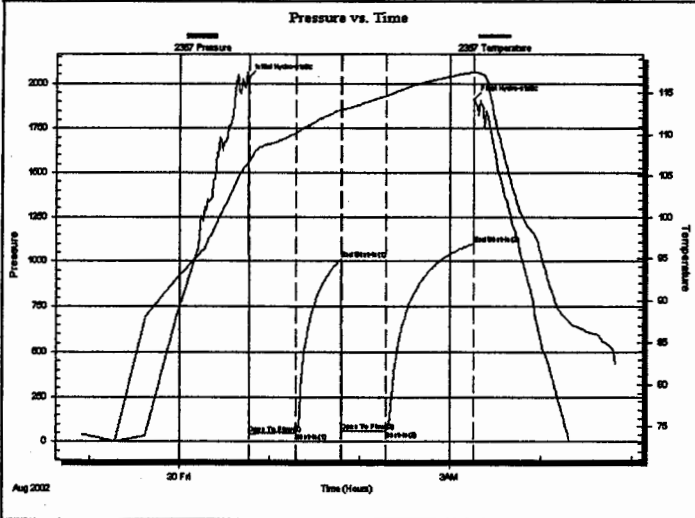
GENERAL INFORMATION:

Formation: Arbuckle Deviated: No Whipstock ft (KB) Time Tool Opened: 00:46:23 Time Test Ended: 04:49:23 Interval: 3915.00 ft (KB) To 3925.00 ft (KB) (TVD) Total Depth: 3925.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good	Test Type: Conventional Bottom Hole Tester: Dan Bangle Unit No: 21 Reference Elevations: 2267.00 ft (KB) 2262.00 ft (CF) KB to GR/CF: 5.00 ft
---	--

Serial #: 2357 Inside

Press@RunDepth: 61.36 psig @ 3916.01 ft (KB) Start Date: 2002.08.29 End Date: 2002.08.30 Start Time: 22:55:24 End Time: 04:49:23	Capacity: 7000.00 psig Last Calib.: 2002.08.30 Time On Btmr: 2002.08.30 @ 00:45:53 Time Off Btmr: 2002.08.30 @ 03:15:53	
---	--	--

TEST COMMENT: F-Weak building to 1/2"
 FF-No blow
 Times-30-30-30-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2029.30	106.58	Initial Hydro-static
1	43.56	106.67	Open To Flow (1)
32	53.03	110.21	Shut-in(1)
62	1010.95	112.99	End Shut-in(1)
63	61.22	113.02	Open To Flow (2)
92	61.36	114.63	Shut-in(2)
150	1098.83	117.44	End Shut-in(2)
150	1910.12	117.45	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Drilling Mud w/oil spots in tool	0.30

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16509

DST#: 5

ATTN: Hal Porter

Test Start: 2002.08.29 @ 22:55:23

Tool Information

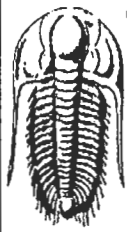
Drill Pipe:	Length: 3832.00 ft	Diameter: 3.80 inches	Volume: 53.75 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.01 ft	Diameter: 0.01 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.18 bbl</u>	Tool Chased 0.01 ft
Drill Pipe Above KB:	25.01 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3915.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

JAN 21 2003
10:30 AM

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3895.00	
S.I. Tool	5.00			3900.00	
HMV	5.00			3905.00	
Packer	5.00			3910.00	21.00 Bottom Of Top Packer
Packer	5.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.01	2357	Inside	3916.01	
Perforations	6.00			3922.01	
Recorder	0.01	13254	Outside	3922.02	
Bullnose	3.00			3925.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				

101461



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oil Corp

Dorothy # 33-1

303 N Carroll Blvd #214
Denton, Tx 76201

33-13-19-Ellis-Ks

Job Ticket: 16509

DST#: 5

ATTN: Hal Porter

Test Start: 2002.08.29 @ 22:55:23

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

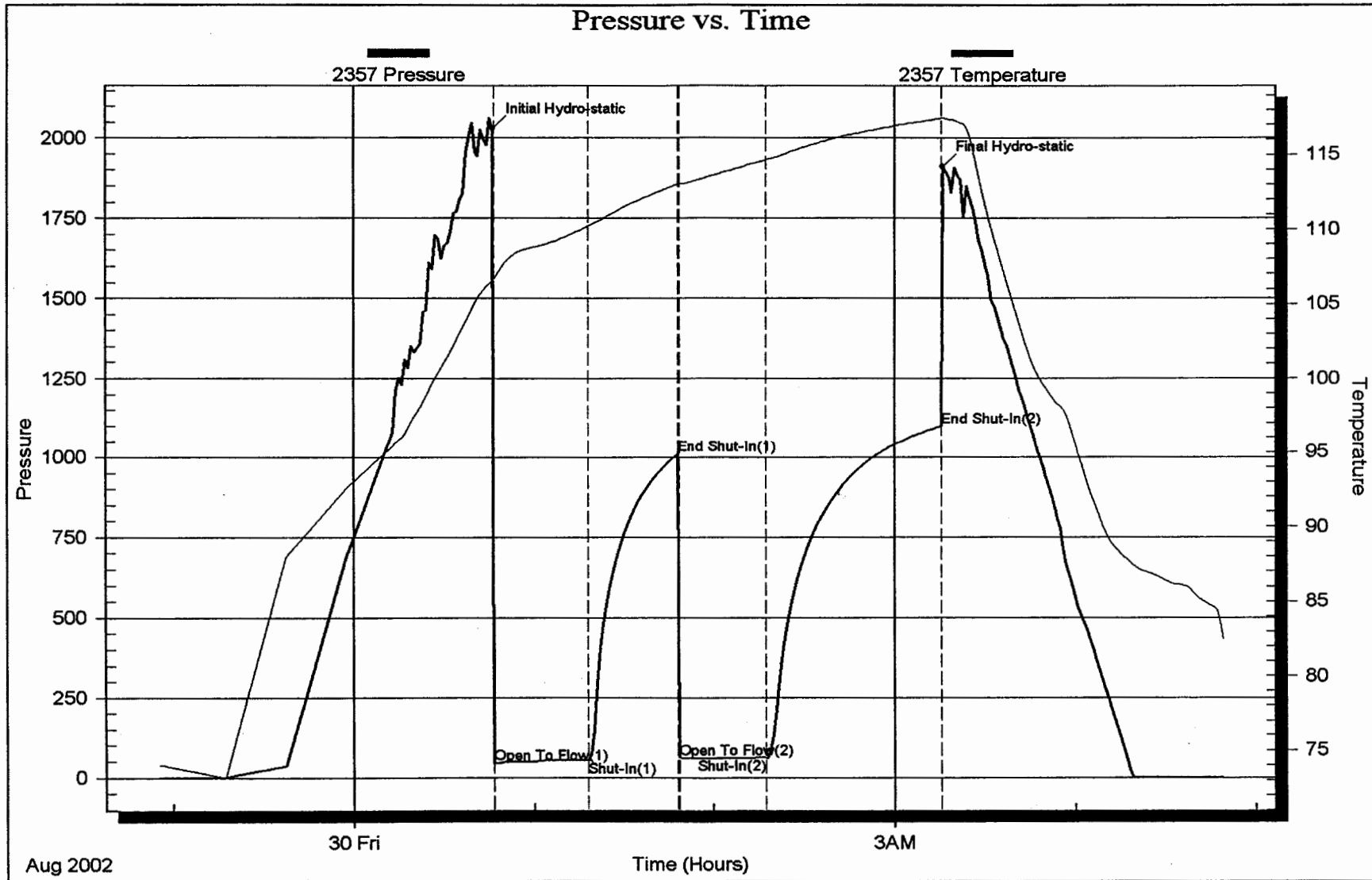
Length ft	Description	Volume bbl
60.00	Drilling Mud w/oil spots in tool	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

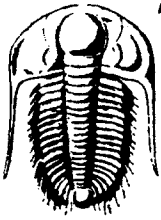
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



JAN 21 2003
10:21 AM



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INVOICE
5120
\$ 4445.00

No 16505

Test Ticket

Well Name & No. Dorothy #33-1 Test No. 1 Date 8-27-02
 Company Imperial American Oil Corp Zone Tested B-C-D-E LKC
 Address 303 N. Carroll Blvd #214, Deaton, Tx. 76201 Elevation 2267 KB 2262 GL
 Co. Rep / Geo. Randy Killion Cont. Murfin #16 Est. Ft. of Pay Por. %
 Location: Sec. 33 Twp. 13 Rge. 19 Co. Ellis State KS
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3576 - 3638 Initial Str Wt./Lbs. 61000 Unseated Str Wt./Lbs. 71000
 Anchor Length 62 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 3571 Tool Weight 1800
 Bottom Packer Depth 3576 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3638 Wt. Pipe Run Drill Collar Run 87
 Mud Wt. 9.1 LCM Vis. 48 WL 8.8 Drill Pipe Size 4.5 X H Ft. Run 3492
 Blow Description I.F. Strong - B.O.B in 4 min.

F.F. Strong - B.O.B in 10 min.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>1116</u>	<u> </u>	<u>87</u>	<u>1029</u>
Rec. <u>1116</u> Feet Of <u>WTR.</u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud

BHT 118 °F Gravity °API D@ °F Corrected Gravity °API
 RW .08 @ 86.5 °F Chlorides 82,000 ppm ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>1767</u>	<u> </u>	<u>2357</u>	<u>10:00</u>
(B) First Initial Flow Pressure	<u>48</u>	<u> </u>	<u>3583</u>	<u>10:32</u>
(C) First Final Flow Pressure	<u>297</u>	<u> </u>	<u>13254</u>	<u>12:26</u>
(D) Initial Shut-in Pressure	<u>636</u>	<u> </u>	<u>3615</u>	<u>14:56</u>
(E) Second Initial Flow Pressure	<u>300</u>	<u> </u>	<u> </u>	<u>16:51</u>
(F) Second Final Flow Pressure	<u>444</u>	<u> </u>	<u> </u>	<u>17:00</u>
(G) Final Shut-in Pressure	<u>636</u>	<u> </u>	PSI Initial Opening <u>30</u>	Test <u>700</u>
(Q) Final Hydrostatic Mud	<u>1722</u>	<u> </u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>

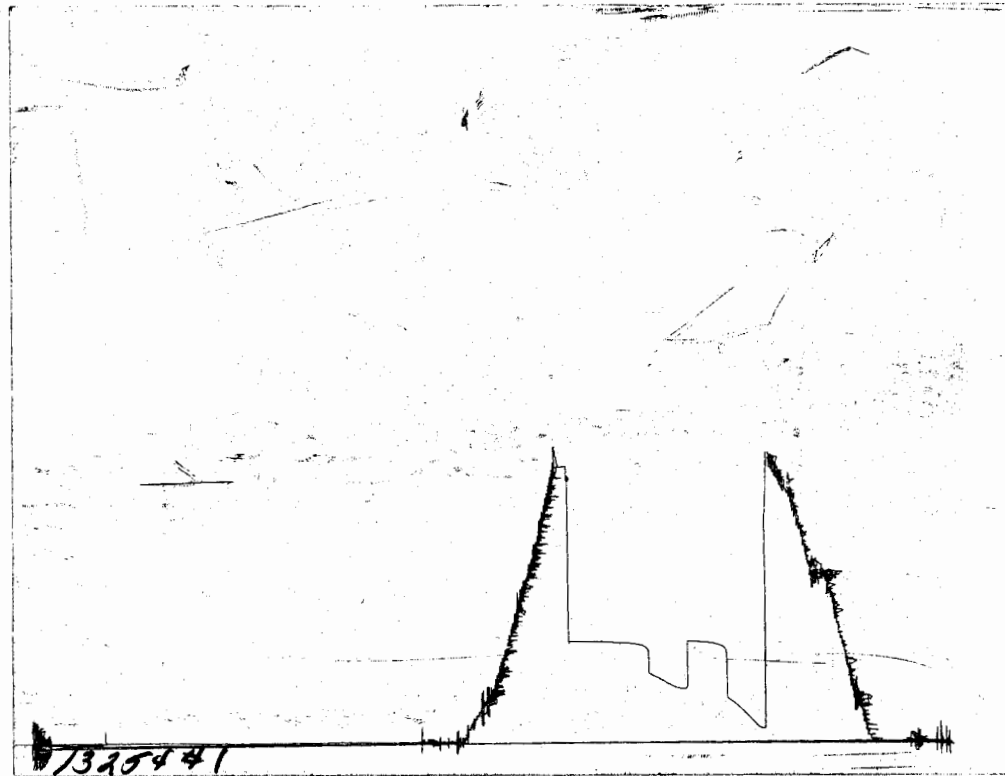
Final Flow 30 Safety Joint
 Final Shut-in 60 Straddle
 Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec. X 150
 Mileage 30 30
 Other
 TOTAL PRICE \$ 880.00

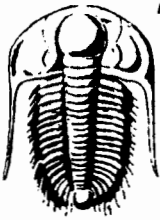
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Approved By
 Our Representative Dan Sample

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16506

Test Ticket

Well Name & No. <u>Dorothy #33-1</u>	Test No. <u>2</u>	Date <u>8-28-02</u>
Company <u>Imperial American Oil Corp</u>	Zone Tested <u>G-H-I-J LKC</u>	
Address _____	Elevation <u>2267</u> KB <u>2262</u> GL	
Co. Rep / Geo. <u>Randy Kilian</u>	Cont. <u>Murfin #16</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>33</u>	Twp. <u>13</u>	Rge. <u>19</u> Co. <u>Ellis</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3669 — 3746</u>	Initial Str Wt./Lbs. <u>61000</u>	Unseated Str Wt./Lbs. <u>61000</u>
Anchor Length <u>77</u>	Wt. Set Lbs. <u>30000</u>	Wt. Pulled Loose/Lbs. <u>71000</u>
Top Packer Depth <u>3664</u>	Tool Weight <u>1100</u>	
Bottom Packer Depth <u>3669</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3746</u>	Wt. Pipe Run _____	Drill Collar Run <u>87</u>
Mud Wt. <u>9.1</u> LCM _____ Vis. <u>48</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5XH</u>	Ft. Run <u>3586</u>
Blow Description <u>I F - Weak - building to 5 1/2"</u>		

F.F. Weak steady surface blow

Recovery — Total Feet <u>154</u>	GIP _____	Ft. in DC <u>87</u>	Ft. in DP <u>67</u>
Rec. <u>154</u> Feet Of <u>Mud w/skew of</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of <u>oil in tool</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
BHT <u>115</u> °F Gravity _____	°API D@ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides <u>4000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 <u>1855</u> Alpine	PSI Recorder No. <u>2357</u>	T-On Location <u>02:00</u>
(B) First Initial Flow Pressure	<u>20</u> PSI	(depth) <u>3672</u>	T-Started <u>02:41</u>
(C) First Final Flow Pressure	<u>73</u> PSI	Recorder No. <u>13254</u>	T-Open <u>05:22</u>
(D) Initial Shut-In Pressure	<u>826</u> PSI	(depth) <u>3735</u>	T-Pulled <u>09:07</u>
(E) Second Initial Flow Pressure	<u>76</u> PSI	Recorder No. _____	T-Out <u>10:46</u>
(F) Second Final Flow Pressure	<u>131</u> PSI	(depth) _____	T-Off Location <u>11:00</u>
(G) Final Shut-in Pressure	<u>803</u> PSI	Initial Opening <u>30</u>	Test _____ 700
(Q) Final Hydrostatic Mud	<u>1802</u> PSI	Initial Shut-in <u>45</u>	Jars _____
		Final Flow <u>60</u>	Safety Joint _____
		Final Shut-in <u>90</u>	Straddle _____

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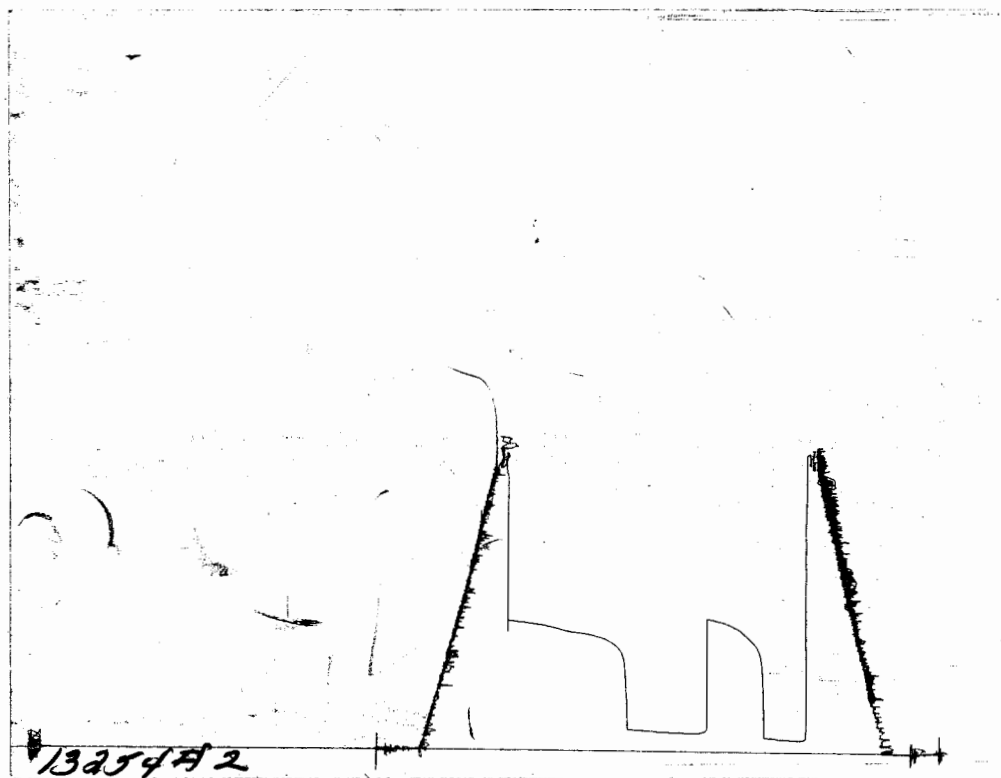
Approved By _____

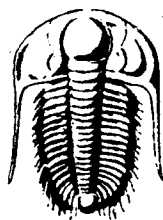
Our Representative Dan Rangle

Extra Packer _____
 Elec. Rec. X 150
 Mileage 30 30
 Other _____
 TOTAL PRICE \$ 880

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16507

Test Ticket

Well Name & No. Dorothy #33-1 Test No. 3 Date 8-28-02
 Company Imperial American Oil Corp Zone Tested J-K-L LKC
 Address _____ Elevation 2267 KB 2267 GL
 Co. Rep / Geo. Randy Killion Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 33 Twp. 19 Rge. 19 Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3729 — 3793 Initial Str Wt./Lbs 67,000 Unseated Str Wt./Lbs 67,000
 Anchor Length 64 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs 65,000
 Top Packer Depth _____ 3724 Tool Weight 1500
 Bottom Packer Depth _____ 3729 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Total Depth _____ 3793 Wt. Pipe Run _____ Drill Collar Run 87
 Mud Wt. 9.3 LCM _____ Vis. 45 WL 8.8 Drill Pipe Size 4.5 XH Ft. Run 3647
 Blow Description F.F. Weak - building to 1/2"

FF-Weak steady surface blow

Recovery — Total Feet 65 GIP _____ Ft. in DC 65 Ft. in DP _____
 Rec. 65 Feet Of D.M %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 114 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>1864</u> PSI	<u>2357</u>	<u>16:30</u>
(B) First Initial Flow Pressure		<u>19</u> PSI	(depth) <u>3734</u>	T-Started <u>16:50</u>
(C) First Final Flow Pressure		<u>46</u> PSI	Recorder No. <u>13254</u>	T-Open <u>18:40</u>
(D) Initial Shut-In Pressure		<u>727</u> PSI	(depth) <u>3766</u>	T-Pulled <u>21:10</u>
(E) Second Initial Flow Pressure		<u>48</u> PSI	Recorder No. _____	T-Out <u>22:59</u>
(F) Second Final Flow Pressure		<u>60</u> PSI	(depth) _____	T-Off Location <u>23:10</u>
(G) Final Shut-in Pressure		<u>734</u> PSI	Initial Opening <u>30</u>	Test _____
(Q) Final Hydrostatic Mud		<u>1832</u> PSI	Initial Shut-in <u>30</u>	Jars _____
			Final Flow <u>30</u>	Safety Joint _____
			Final Shut-in <u>60</u>	Straddle _____
				Circ. Sub _____
				Sampler _____
				Extra Packer _____
				Elec. Rec. <u>X</u>
				Mileage <u>30</u>
				Other _____
				TOTAL PRICE \$ _____

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Approved By _____

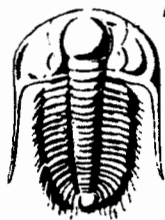
Our Representative Don Rouse

700
150
30
\$880⁰⁰

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16508

Test Ticket

Well Name & No. Dorothy #33-1 Test No. 4 Date 8-29-02
 Company Imperial American Oil Corp Zone Tested Arbuckle
 Address _____ Elevation 2267 KB 2262 GL
 Co. Rep / Geo. Randy Kilian Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 33 Twp. 13 Rge. 19 Co. Ellis State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3858 — 3915 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 57 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 21,000
 Top Packer Depth 3853 Tool Weight 1300
 Bottom Packer Depth 3858 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Total Depth 3915 Wt. Pipe Run _____ Drill Collar Run 87
 Mud Wt. 9.3 LCM _____ Vis. 50 WL 8.8 Drill Pipe Size 4.5XH Ft. Run 3770
 Blow Description I.F. Weak - Died in 8 min.

E.F. No blow

Recovery — Total Feet 2 GIP _____ Ft. in DC 2 Ft. in DP _____
 Rec. 2 Feet Of D.M. %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 9,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1984</u>	PSI Recorder No. <u>2357</u>	T-On Location <u>11:15</u>	
(B) First Initial Flow Pressure		<u>17</u>	PSI (depth) <u>3861</u>	T-Started <u>11:33</u>	
(C) First Final Flow Pressure		<u>20</u>	PSI Recorder No. <u>13254</u>	T-Open <u>13:15</u>	
(D) Initial Shut-In Pressure		<u>56</u>	PSI (depth) <u>3893</u>	T-Pulled <u>15:45</u>	
(E) Second Initial Flow Pressure		<u>18</u>	PSI Recorder No. _____	T-Out <u>17:26</u>	
(F) Second Final Flow Pressure		<u>20</u>	PSI (depth) _____	T-Off Location <u>17:45</u>	
(G) Final Shut-in Pressure		<u>61</u>	PSI Initial Opening <u>30</u>	Test _____	
(Q) Final Hydrostatic Mud		<u>1923</u>	PSI Initial Shut-in <u>30</u>	Jars _____	
			Final Flow <u>30</u>	Safety Joint _____	
			Final Shut-in <u>60</u>	Straddle _____	

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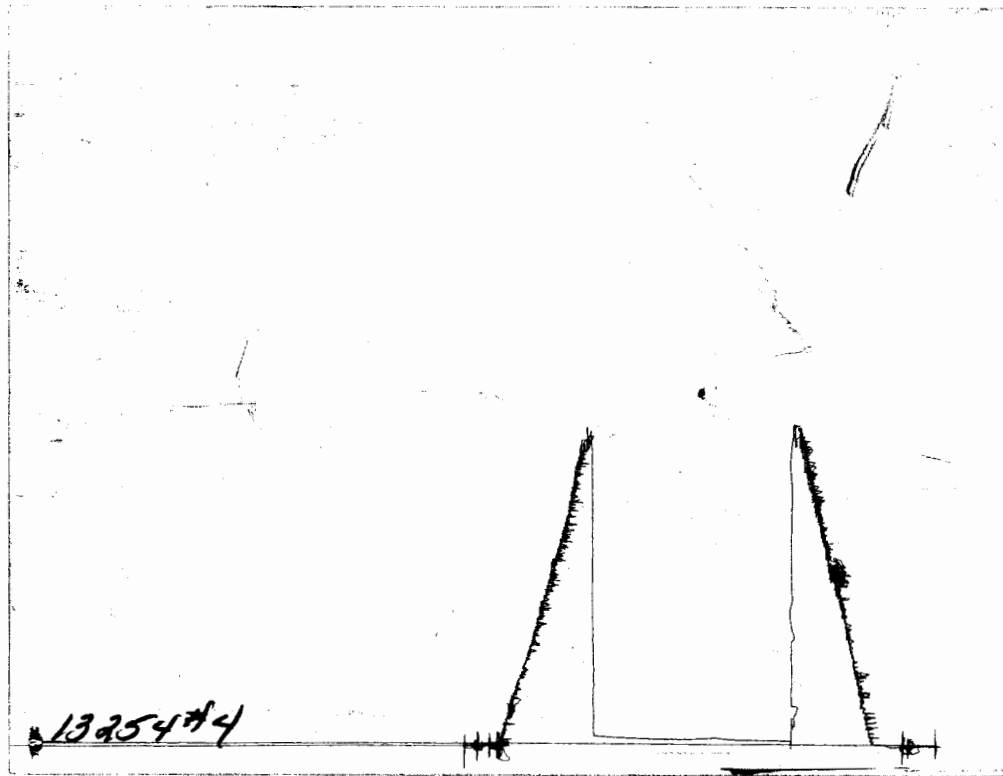
Approved By _____

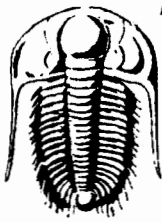
Our Representative Dan Rangle

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elec. Rec. X
 Mileage 30
 Other _____
 TOTAL PRICE \$ _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16509

Test Ticket

Well Name & No. Dorothy # 33-1 Test No. 5 Date 8-29-02
 Company Imperial American Oil Corp Zone Tested Arbuckle
 Address _____ Elevation 2267 KB 2262 GL
 Co. Rep / Geo. Randy Kilian Cont. Murfin # 16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 33 Twp. 13 Rge. 19 Co. Ellis State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3915 — 3925 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 10' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3910 Tool Weight 1600
 Bottom Packer Depth 3915 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3925 Wt. Pipe Run _____ Drill Collar Run 87
 Mud Wt. 9.3 LCM _____ Vis. 50 WL 8.8 Drill Pipe Size 4.5 X H Ft. Run 3832
 Blow Description I-F-Weak-building to 1/2"

FF- No blow

Recovery — Total Feet 60 GIP _____ Ft. in DC 60 Ft. in DP _____
 Rec. 60 Feet Of D.M w/oil spots %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of in Tool %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 117 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 9,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2062</u>		<u>2357</u>	<u>22'00</u>
(B) First Initial Flow Pressure		<u>43</u>	PSI	(depth) <u>3916</u>	T-Started <u>22'55</u>
(C) First Final Flow Pressure		<u>53</u>	PSI	Recorder No. <u>13254</u>	T-Open <u>00'45</u>
(D) Initial Shut-In Pressure		<u>1010</u>	PSI	(depth) <u>3922</u>	T-Pulled <u>03'15</u>
(E) Second Initial Flow Pressure		<u>61</u>	PSI	Recorder No. _____	T-Out <u>04'49</u>
(F) Second Final Flow Pressure		<u>61</u>	PSI	(depth) _____	T-Off Location <u>05'00</u>
(G) Final Shut-in Pressure		<u>1098</u>	PSI	Initial Opening <u>30</u>	Test _____
(Q) Final Hydrostatic Mud		<u>1910</u>	PSI	Initial Shut-in <u>30</u>	Jars _____
				Final Flow <u>30</u>	Safety Joint _____
				Final Shut-in <u>60</u>	Straddle _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE. OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____

Our Representative Don Bangle

Extra Packer _____
 Elec. Rec. X
 Mileage 30
 Other _____
 TOTAL PRICE \$ _____

CHART PAGE

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

