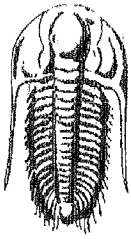


32-15-22w

15-175-44598-00-00

KGS


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Company

Linda #4

 P.O. Box 1009
 McPherson, KS 67460

32-15-22 Trego, Ks

Job Ticket: 34252

DST#: 1

ATTN: Jamie Hess

Test Start: 2009.02.09 @ 15:04:42

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:28:22

Time Test Ended: 20:20:06

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4206.00 ft (KB) To 4290.00 ft (KB) (TVD)**

Reference Elevations: 2337.00 ft (KB)

Total Depth: 4290.00 ft (KB) (TVD)

2332.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: **6772** Inside

Press@RunDepth: 27.86 psig @ 4207.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.02.09

End Date: 2009.02.09

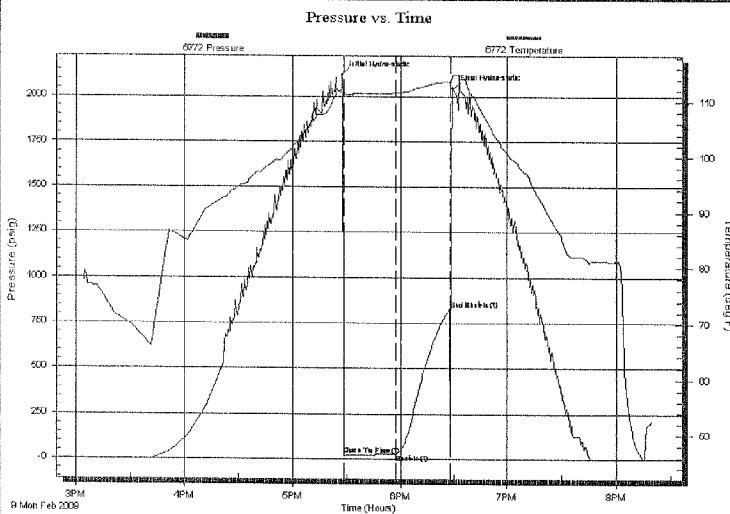
Last Calib.: 2009.02.09

Start Time: 15:04:42

End Time: 20:20:06

Time On Btm: 2009.02.09 @ 17:27:22

Time Off Btm: 2009.02.09 @ 18:29:22

 TEST COMMENT: IF: 1/4 blow died in 14 min.
 IS: No return.


PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.81	112.49	Initial Hydro-static
1	22.98	111.70	Open To Flow (1)
30	27.86	111.59	Shut-In(1)
61	828.90	113.63	End Shut-In(1)
62	2046.31	114.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 5%o 95%om	0.05

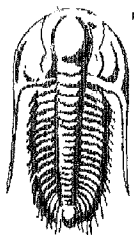
Gas Rates

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

 RECEIVED
 KANSAS CORPORATION COMMISSION

APR 14 2009

 CONSERVATION DIVISION
 HUTCHINSON, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Linda #4

P.O. Box 1009
McPherson, KS 67460

32-15-22 Trego, Ks

Job Ticket: 34252

DST#: 1

ATTN: Jamie Hess

Test Start: 2009.02.09 @ 15:04:42

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 0.00 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 5%o 95%m	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

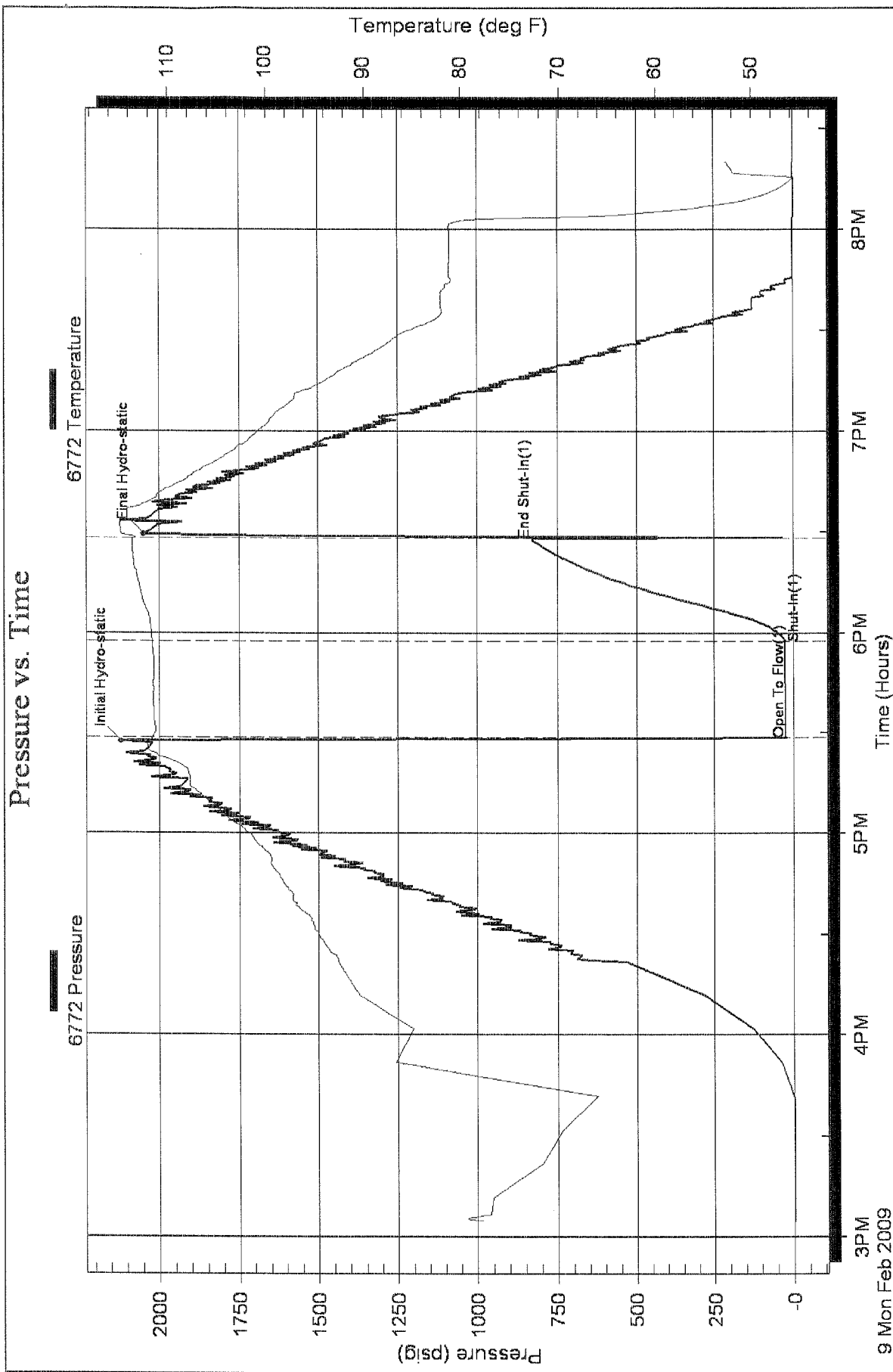
Laboratory Name:

Laboratory Location:

Recovery Comments:

RECEIVED
KANSAS CORPORATION COMMISSION
APR 14 2009
CONSERVATION DIVISION
WICHITA, KS

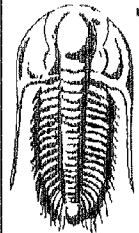
Pressure vs. Time



RECEIVED
KANSAS CORPORATION COMMISSION

APR 14 2009

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Company
P.O. Box 1009
McPherson, KS 67460
ATTN: Jamie Hess

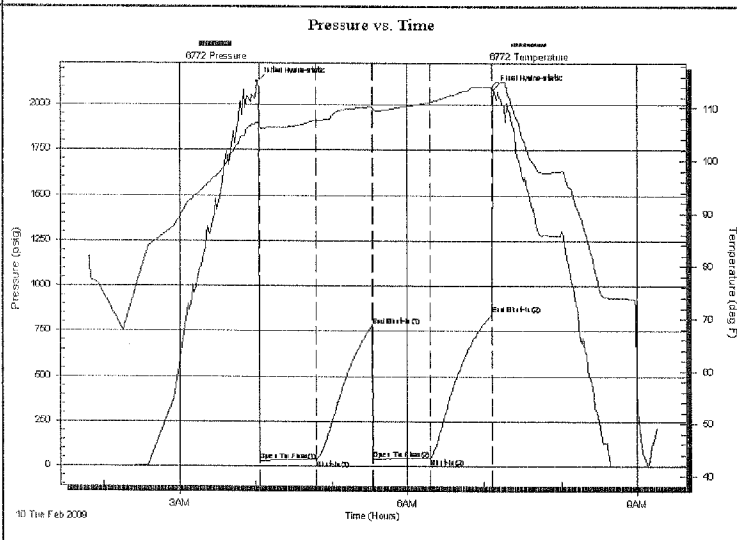
Linda #4
32-15-22 Trego, Ks
Job Ticket: 34253 **DST#: 2**
Test Start: 2009.02.10 @ 01:47:54

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:03:04
Time Test Ended: 09:16:33
Interval: **4206.00 ft (KB) To 4304.00 ft (KB) (TVD)**
Total Depth: 4304.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2337.00 ft (KB)
2332.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772 Inside
Press@RunDepth: 47.19 psig @ 4207.00 ft (KB)
Start Date: 2009.02.10 End Date: 2009.02.10
Start Time: 01:47:54 End Time: 09:16:33
Capacity: 7000.00 psig
Last Calib.: 2009.02.10
Time On Btm: 2009.02.10 @ 04:01:19
Time Off Btm: 2009.02.10 @ 07:07:33

TEST COMMENT: IF: 1/4 blow built to 2 in 45 min.
IS: No return.
FF: Surface blow built to 1 in 45 min.
FS: No return.

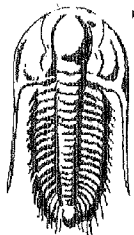


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.21	107.29	Initial Hydro-static
2	26.88	106.31	Open To Flow (1)
46	37.03	107.69	Shut-In(1)
91	782.83	110.23	End Shut-In(1)
92	41.73	109.86	Open To Flow (2)
137	47.19	111.11	Shut-In(2)
186	847.46	114.10	End Shut-In(2)
187	2088.56	114.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	ocm 5%o 95%m	0.30
5.00	free oil 100%o	0.02

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

RECEIVED
KANSAS CORPORATION COMMISSION
APR 14 2009
CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Linda #4

P.O. Box 1009
McPherson, KS 67460

32-15-22 Trego, Ks

Job Ticket: 34253

DST#: 2

ATTN: Jamie Hess

Test Start: 2009.02.10 @ 01:47:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 0.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	ocm 5%o 95%m	0.305
5.00	free oil 100%o	0.025

Total Length: 67.00 ft

Total Volume: 0.330 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 37@50=38

RECEIVED
KANSAS CORPORATION COMMISSION
APR 14 2009
CONSERVATION DIVISION
WICHITA, KS

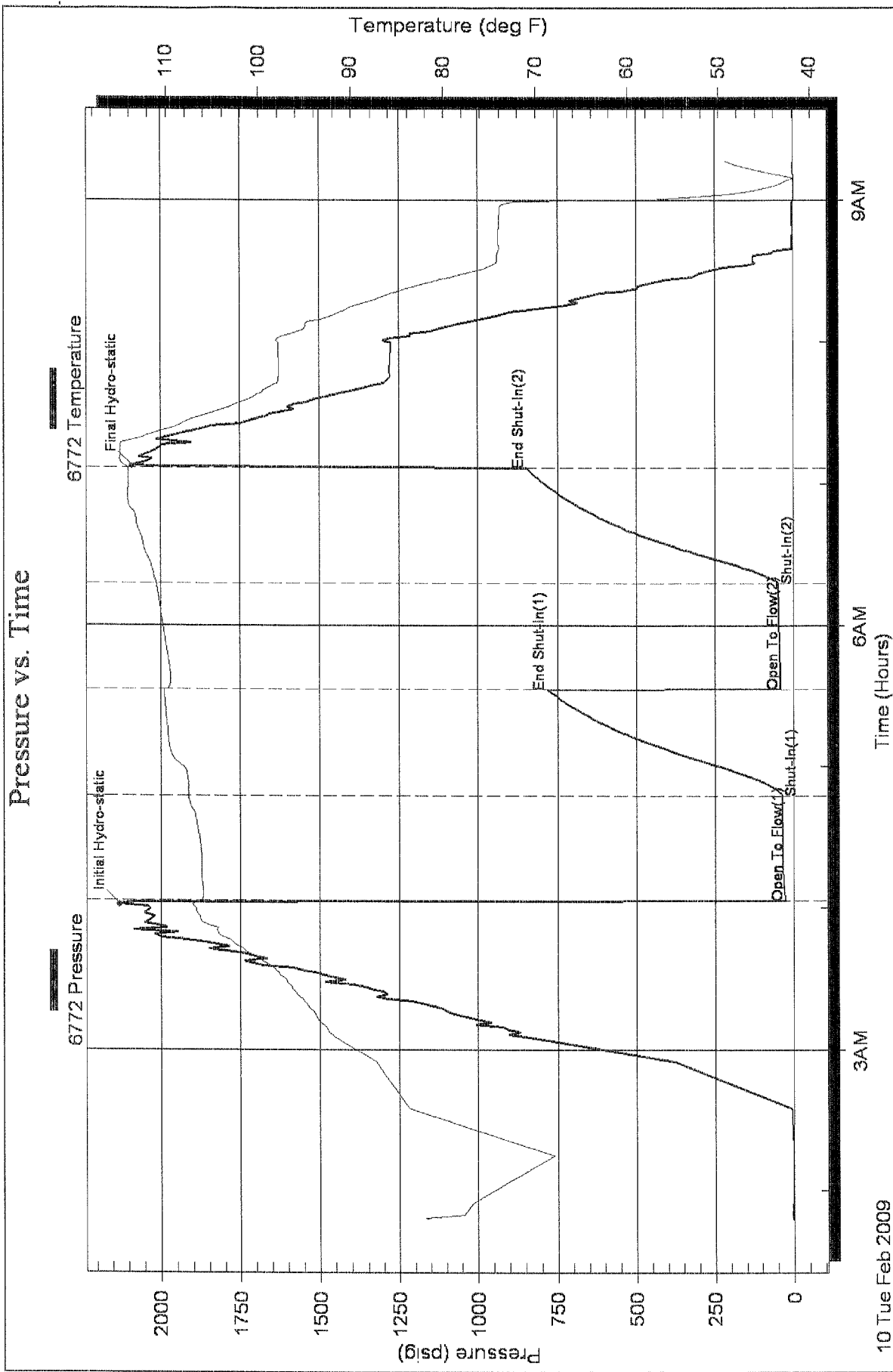
Serial #: 6772

Inside

Hess Oil Company

32-15-22 Trego, Ks

DST Test Number: 2



Trilobite Testing, Inc

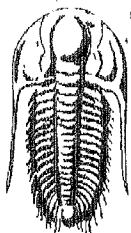
Ref. No: 34253

RECEIVED
KANSAS CORPORATION COMMISSION

APR 14 2009

CONSERVATION DIVISION
WICHITA, KS

Printed: 2009.02.10 @ 10:11:19 Page 3



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hess Oil Company
P.O. Box 1009
McPherson, KS 67460
ATTN: Jamie Hess

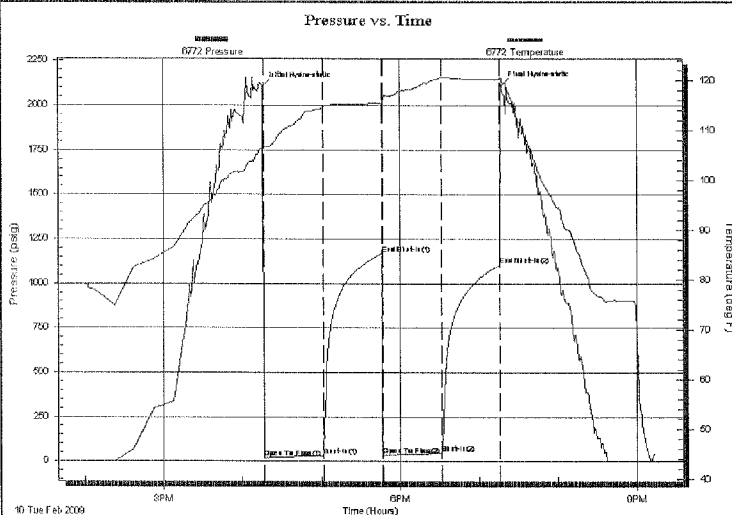
Linda #4
32-15-22 Trego, Ks
Job Ticket: 34254 **DST#: 3**
Test Start: 2009.02.10 @ 14:00:40

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:16:35
Time Test Ended: 21:13:19
Interval: **4302.00 ft (KB) To 4314.00 ft (KB) (TVD)**
Total Depth: 4314.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2337.00 ft (KB)
2332.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772 Inside
Press@RunDepth: 44.61 psig @ 4303.00 ft (KB)
Start Date: 2009.02.10 End Date: 2009.02.10
Start Time: 14:00:40 End Time: 21:13:19
Capacity: 7000.00 psig
Last Calib.: 2009.02.10
Time On Btm: 2009.02.10 @ 16:16:05
Time Off Btm: 2009.02.10 @ 19:17:19

TEST COMMENT: IF: 1/4 blow built to 1 1/2 in 45 min.
IS: No return.
FF: Surface blow built to 1/2 in 45 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.35	106.63	Initial Hydro-static
1	19.75	106.51	Open To Flow (1)
46	31.24	114.68	Shut-In(1)
90	1167.95	115.50	End Shut-In(1)
91	33.73	115.36	Open To Flow (2)
135	44.61	120.67	Shut-In(2)
180	1102.35	120.38	End Shut-In(2)
182	2112.45	120.41	Final Hydro-static

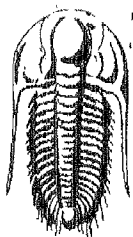
Recovery

Length (ft)	Description	Volume (bbl)
63.00	mcw 80%w 20%m	0.31

Gas Rates

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

RECEIVED
KANSAS CORPORATION COMMISSION
APR 14 2009
CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

Linda #4

P.O. Box 1009
McPherson, KS 67460

32-15-22 Trego, Ks

Job Ticket: 34254

DST#: 3

ATTN: Jamie Hess

Test Start: 2009.02.10 @ 14:00:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	mcw 80%w 20%m	0.310

Total Length: 63.00 ft

Total Volume: 0.310 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

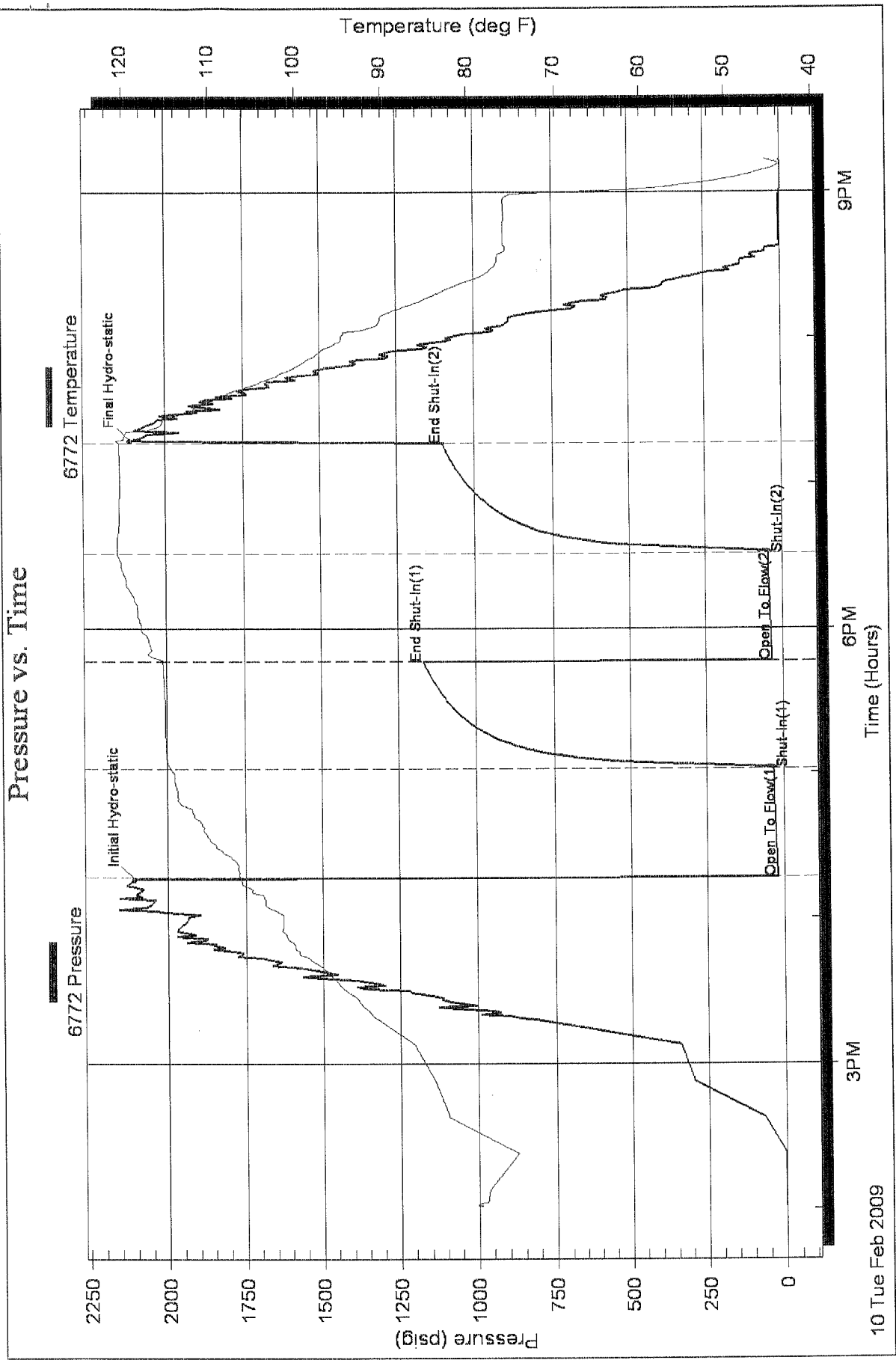
Laboratory Name:

Laboratory Location:

Recovery Comments: .3@45=39000

RECEIVED
KANSAS CORPORATION COMMISSION
APR 14 2009
CONSERVATION DIVISION
WICHITA, KS

Pressure vs. Time



RECEIVED
KANSAS CORPORATION COMMISSION

APR 14 2009

CONSERVATION DIVISION
WICHITA, KS