

CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-2-15	5270	Over Miller .34-2	2	35	29a	Decatur
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Marengo Inc.			445 ✓	Cody R ✓		
MAILING ADDRESS			693 ✓	Walt D ✓		
CITY			714 ✓			
STATE						
ZIP CODE						

Oben on South Side
New Ninto

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 260 CASING SIZE & WEIGHT 8 5/8 23#
 CASING DEPTH 260 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 15 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Softly meeting as rig up on White Knight break circulation with right mix 175 sks surface blend wash up a displacer with 15 bbl & shut in! Circulated approx 4 bbl to pit

cement
did circulate

Thank you
Jerry screw

ACCOUNT CODE	QUANTITY of UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	1	PUMP CHARGE	1500 ⁰⁰	1500 ⁰⁰ ✓
CE 002	30	MILEAGE	7 ¹⁵	214 ⁵⁰ ✓
CE 0711	8.23	for mileage delivery min	660 ⁰⁰	660 ⁰⁰ ✓
CH49 CC 5571	175 sks	surface blend	23 ⁰⁰	4025 ⁰⁰ ✓
			Subtotal	6399 ⁵⁰
			-35%	2239 ⁸³
			Subtotal	4159 ⁶⁷ ✓
			SALES TAX	196.22 ✓
			ESTIMATED TOTAL	4355.89 ✓

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

MIT TO 18048 170RD
 RUSSELL, KS 67665

SERVICE POINT: Russell, MO - Home 105

DATE <u>10-8-15</u>	SEC. <u>2</u>	TWP. <u>36</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Veranda</u> WELL # <u>34-2</u> LOCATION <u>1/2 mile west on rd 334</u>						COUNTY <u>Stanton</u>	STATE <u>KS</u>
OLD OR NEW (CIRCLE ONE)			<u>1/2 mile north side</u>				

CONTRACTOR White Knight
 TYPE OF JOB Water Plug
 HOLE SIZE 2 3/8 T.D. _____
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER 110272
 # 110272 HELPER 110272
 BULK TRUCK _____
 # 110272 DRIVER 110272
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER _____
 CEMENT AMOUNT ORDERED 2000 20/40 4" Plug

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

TOTAL _____

REMARKS:
1st Plug @ 2325 = 30525
2nd Plug @ 1645 = 100325
3rd Plug @ 210 = 50525
TOD @ 8:30 with 10000 20/40 4" Plug
10325
2nd = 30525

CHARGE TO: Melvin
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
 SIGNATURE Terry Austin

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
1st Plug @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Marexco, Inc.
PO Box 21598
Oklahoma City, OK 73115
ATTN: Larry Nicholson

2/3s/29w Decatur KS
Overmiller #34-2
Job Ticket: 65227 **DST#: 3**
Test Start: 2015.10.07 @ 02:13:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 27000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1220.00	SMCW 97%w, 3% _m	17.113
250.00	MCW 84%w, 16% _m	3.507
470.00	WM 60% _m , 40%w	6.593
0.00	Show of Oil in tool	0.000

Total Length: 1940.00 ft Total Volume: 27.213 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .300 ohms @ 60.1 deg F
Chlorides = 27,000 ppm

Serial #: 8791

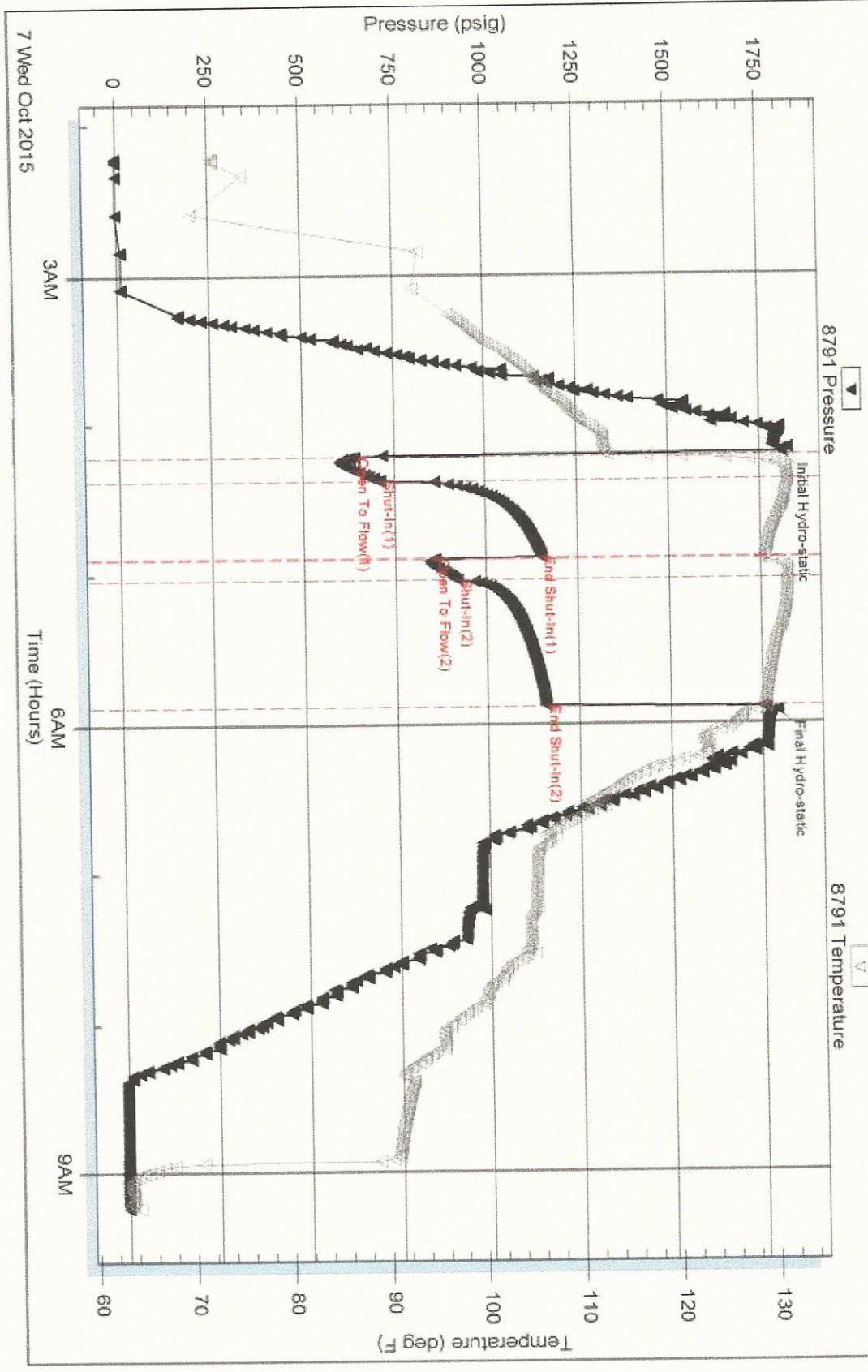
Inside

Marexco, Inc.

Overmiller #34-2

DST Test Number: 3

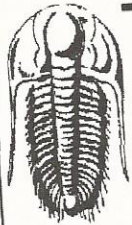
Pressure vs. Time



Tribble Testing, Inc

Ref No: 65227

Printed: 2015-10-07 @ 09:37:31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Marexco, Inc.
 PO Box 21598
 Oklahoma City, OK 73115
 ATTN: Larry Nicholson

2/3s/29w
Overmiller #34-2
 Job Ticket: 62850 **DST#: 1**
 Test Start: 2015.10.05 @ 19:34:00

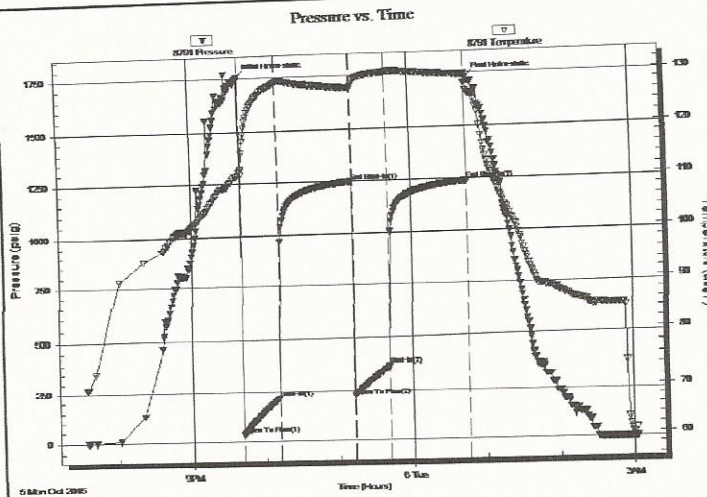
GENERAL INFORMATION:

Formation: **Lans. "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:41:30
 Time Test Ended: 03:02:15
Interval: 3609.00 ft (KB) To 3626.00 ft (KB) (TVD)
 Total Depth: 3626.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2600.00 ft (KB)
 2595.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8791 **Inside** Capacity: 8000.00 psig
 Press@RunDepth: 376.64 psig @ 3610.00 ft (KB) Last Calib.: 2015.10.06
 Start Date: 2015.10.05 End Date: 2015.10.06
 Start Time: 19:34:05 End Time: 03:02:14
 Time On Btm: 2015.10.05 @ 21:41:00
 Time Off Btm: 2015.10.06 @ 00:47:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 5 1/4 min.
 60 - IS: No blow back
 30 - FF: Blow built to BOB at 6 3/4 min.
 60 - FS: No blow back



PRESSURE SUMMARY

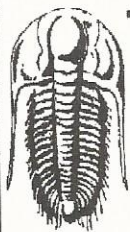
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.93	111.72	Initial Hydro-static
1	31.86	112.03	Open To Flow (1)
31	217.82	128.54	Shut-In(1)
91	1248.59	127.31	End Shut-In(1)
92	223.94	126.94	Open To Flow (2)
121	376.64	130.25	Shut-In(2)
185	1240.11	129.38	End Shut-In(2)
187	1729.50	126.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
710.00	SMCW w/trace oil 95%w, 5%m	9.96
62.00	MCW w/Oil spots 72%w, 27%m, 1%o	0.87
5.00	SO/MCW 69%w, 27%m, 4%o	0.07
0.00	a few inches of Free Oil on top	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Marexco, Inc.
PO Box 21598
Oklahoma City, OK 73115
ATTN: Larry Nicholson

2/3s/29w
Overmiller #34-2
Job Ticket: 62850
DST#: 1
Test Start: 2015.10.05 @ 19:34:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 15500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
710.00	SMCW w /trace oil 95%w , 5%m	9.959
62.00	MCW w /Oil spots 72%w , 27%m, 1%o	0.870
5.00	SO/MCW 69%w , 27%m, 4%o	0.070
0.00	a few inches of Free Oil on top	0.000

Total Length: 777.00 ft Total Volume: 10.899 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .512 ohms @ 58 deg F
Chlorides = 15,500 ppm

Serial #: 8791

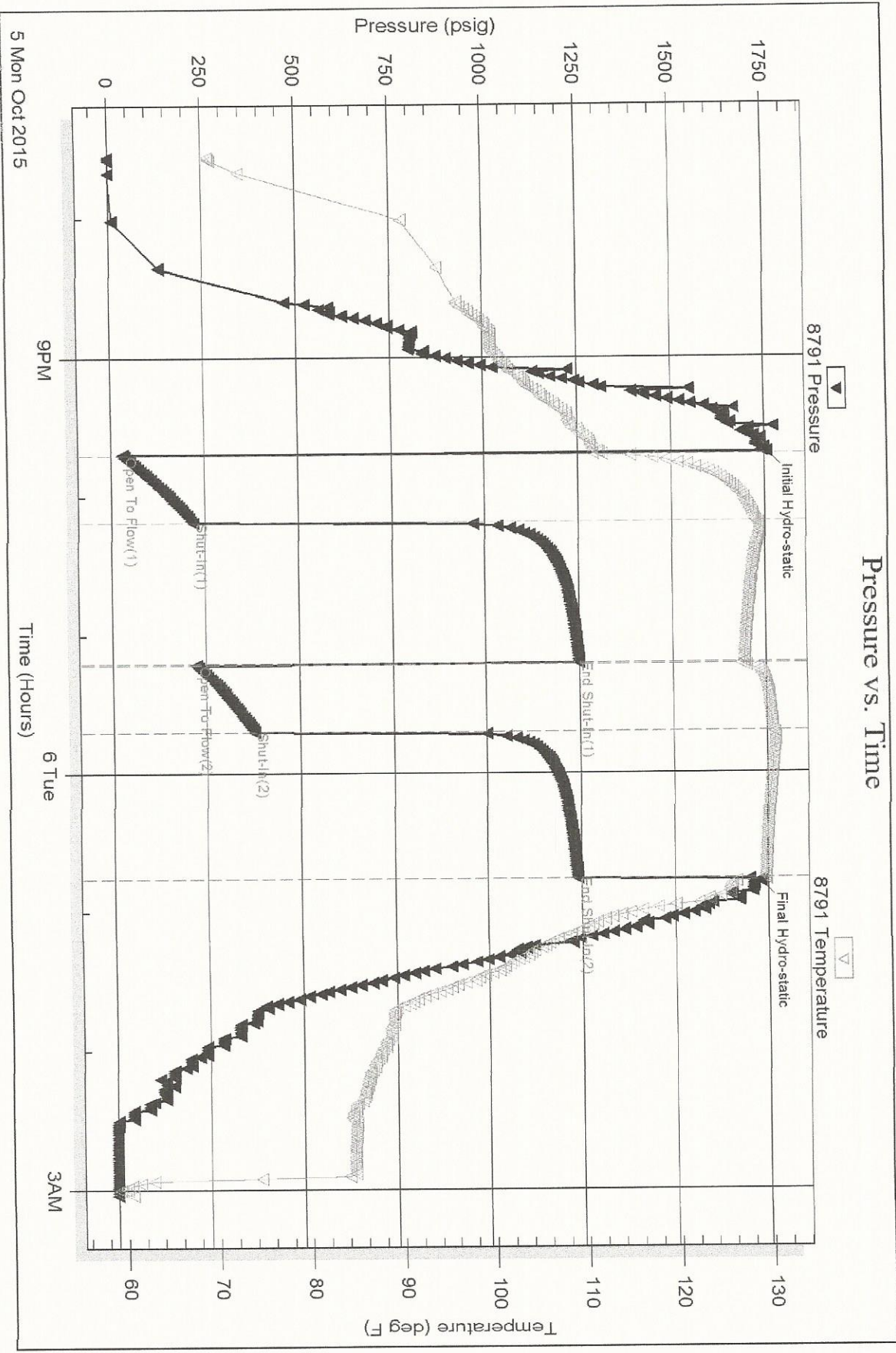
Inside

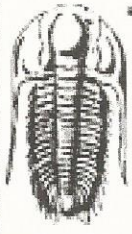
Marexco, Inc.

Overmiller #34-2

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Marexco, Inc.
 PO Box 21598
 Oklahoma City, OK 73115
 ATTN: Larry Nicholson

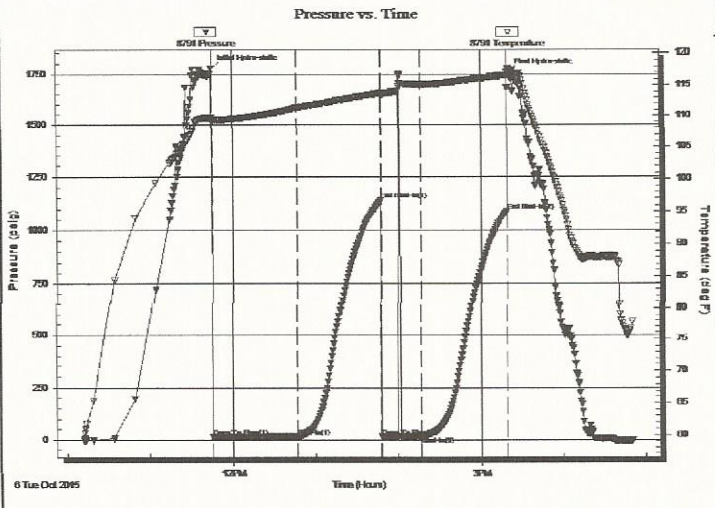
2/3s/29w Decatur KS
Overmiller #34-2
 Job Ticket: 65226 **DST#: 2**
 Test Start: 2015.10.06 @ 10:12:00

GENERAL INFORMATION:

Formation: **Lans. "B - C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:45:45
 Time Test Ended: 16:50:15
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Interval: **3625.00 ft (KB) To 3660.00 ft (KB) (TVD)**
 Total Depth: 3660.00 ft (KB) (TVD)
 Reference Elevations: 2600.00 ft (KB)
 2595.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8791 Inside
 Press@RunDepth: 19.96 psig @ 3626.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.10.06 End Date: 2015.10.06 Last Calib.: 2015.10.06
 Start Time: 10:12:05 End Time: 16:50:14 Time On Btm: 2015.10.06 @ 11:45:15
 Time Off Btm: 2015.10.06 @ 15:20:30

TEST COMMENT: 60 - IF: Blow built slowly to 1/4"
 60 - IS: No blow back
 30 - FF: Weak surface blow , flushed tool, surface blow , built slightly
 60 - FS: No Blow back

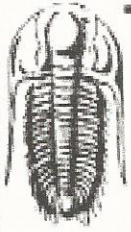


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.63	109.73	Initial Hydro-static
1	13.88	109.00	Open To Flow (1)
62	17.42	111.31	Shut-In(1)
123	1138.08	113.75	End Shut-In(1)
123	17.90	113.36	Open To Flow (2)
152	19.96	115.12	Shut-In(2)
214	1089.51	116.62	End Shut-In(2)
216	1755.70	117.52	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
8.00	SOCM 97% m, 3% o	0.11

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Marexco, Inc.
PO Box 21598
Oklahoma City, OK 73115
ATTN: Larry Nicholson

2/3s/29w Decatur KS
Overmiller #34-2
Job Ticket: 65226 DST#: 2
Test Start: 2015.10.06 @ 10:12:00

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	SOCM97%m, 3%o	0.112

Total Length: 8.00 ft Total Volume: 0.112 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

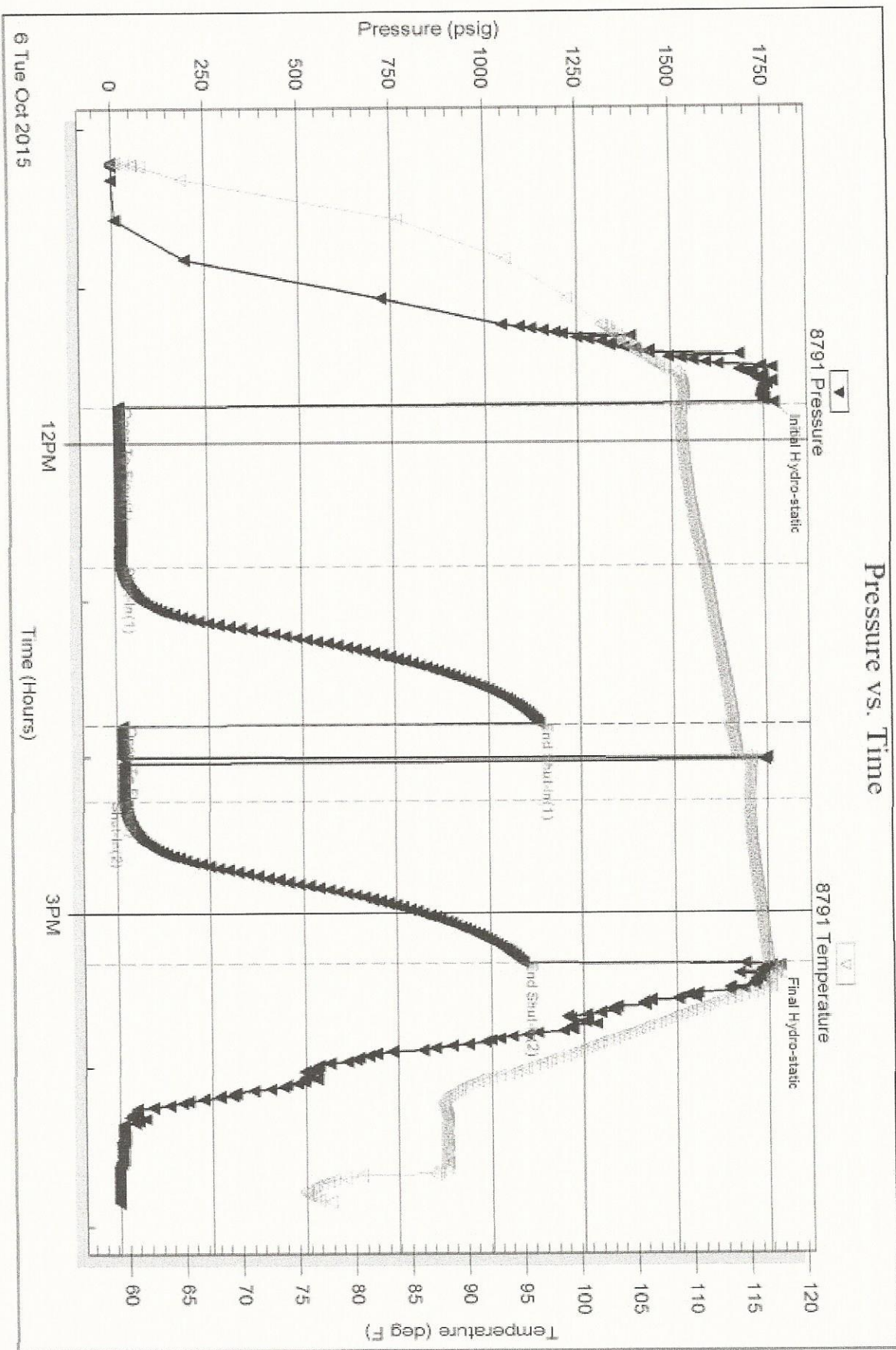
Serial #: 8791

Inside

Marxco, Inc.

Overmiller #34.2

DST Test Number: 2



Serial #: 8366

Outside Marexco, Inc.

Overmiller #34-2

DST Test Number: 2

