



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mar-Lou Oil Company, L.L.C.

34-16s-12w Barton,KS

PO Box 218
Wilson KS 67490-0218

Jenisch #5

Job Ticket: 60465

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.10.07 @ 04:40:00

GENERAL INFORMATION:

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

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: S3

Time Tool Opened: 09:53:00

Time Test Ended: 15:35:00

Reference Elevations: 1901.00 ft (KB)

Interval: **3338.00 ft (KB) To 3363.00 ft (KB) (TVD)**

Total Depth: 3363.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

1894.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8159

Outside

Press@RunDepth: 1048.97 psig @ 3360.00 ft (KB)

Start Date: 2014.10.07

End Date:

2014.10.07

Capacity: 8000.00 psig

Start Time: 04:41:00

End Time:

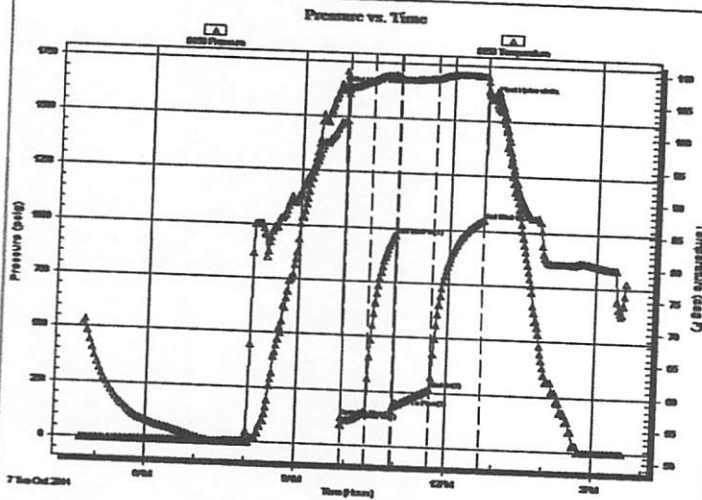
15:36:00

Last Calib.: 2014.10.07

Time On Btm: 2014.10.07 @ 09:42:00

Time Off Btm: 2014.10.07 @ 12:47:30

TEST COMMENT: IFP 30 BOB in 5 minutes.
ISI 45 No blow back.
FFP 45 BOB in 7 minutes.
FSI 60 No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.21	100.51	Initial Hydro-static
13	127.28	106.56	Open To Flow (1)
42	156.27	108.00	Shut-In(1)
74	968.43	108.93	End Shut-In(1)
75	183.82	108.45	Open To Flow (2)
119	265.08	108.60	Shut-In(2)
180	1048.97	109.18	End Shut-In(2)
186	1597.92	106.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	30 feet gas in pipe.	0.00
441.00	100% Clean gassy oil	4.87
126.00	MW 10% Mud, 90% oil	1.77

Gas Rates

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



ESTIMATE
WALORITE

DRILL STEM TEST REPORT

Job Name: 24-168-15W Barton, KS
 Location: 24-168-15W Barton, KS
 Date: 10/10/07 @ 10:00
 Operator: [Name]
 Well: [Name]

GENERAL INFORMATION

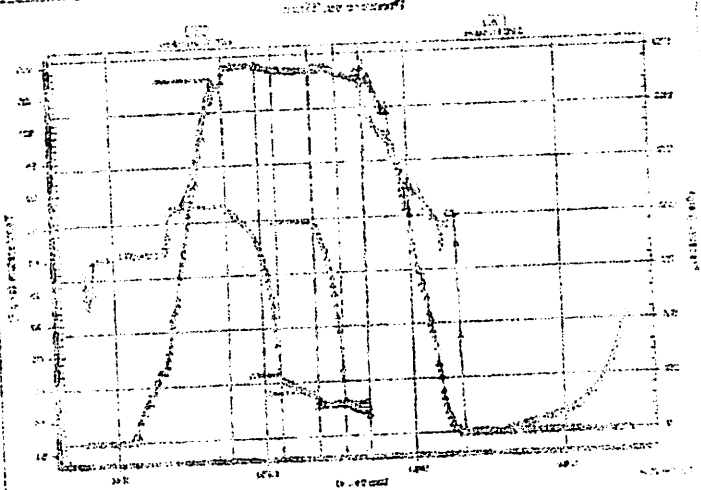
Formation: [Name]
 Depth: [Name]
 Test Type: [Name]
 Test Interval: [Name]
 Test Start: [Name]
 Test End: [Name]
 Test Duration: [Name]

Well # 24-168-15W
 Test Date: 10/10/07
 Test Time: 10:00
 Test Interval: [Name]
 Test Start: [Name]
 Test End: [Name]

TEST COMMENT: [Text]
 151-48 No flow back
 151-48 BOH in 7 minutes
 151-60 No flow back

PRESSURE SUMMARY

Time (Min)	Pressure (Psi)	Annotation
0	10000	Initial Hydrostatic
10	10000	Open Flow (1)
20	10000	Shut-in
30	10000	Open Flow (2)
40	10000	Shut-in
50	10000	Open Flow (3)
60	10000	Shut-in
70	10000	Open Flow (4)
80	10000	Shut-in
90	10000	Open Flow (5)
100	10000	Shut-in



Flow Rates

Flow Rate (gpm)	Pressure (psi)	Time (min)
0.50	10000	10
1.00	10000	20
1.50	10000	30
2.00	10000	40
2.50	10000	50
3.00	10000	60
3.50	10000	70
4.00	10000	80
4.50	10000	90
5.00	10000	100

Flow Rate (gpm)	Pressure (psi)	Time (min)
0.50	10000	10
1.00	10000	20
1.50	10000	30
2.00	10000	40
2.50	10000	50
3.00	10000	60
3.50	10000	70
4.00	10000	80
4.50	10000	90
5.00	10000	100



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mar-Lou Oil Company, LLC.

34-16s-12w Barton, KS

PO Box 218
Wilson KS 67490-0218

Jenisch #5

Job Ticket: 60465

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.10.07 @ 04:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:53:00
Time Test Ended: 15:35:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: S3

Interval: **3338.00 ft (KB) To 3363.00 ft (KB) (TVD)**
Total Depth: 3363.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1901.00 ft (KB)
1894.00 ft (CF)
KB to GR/CF: 7.00 ft

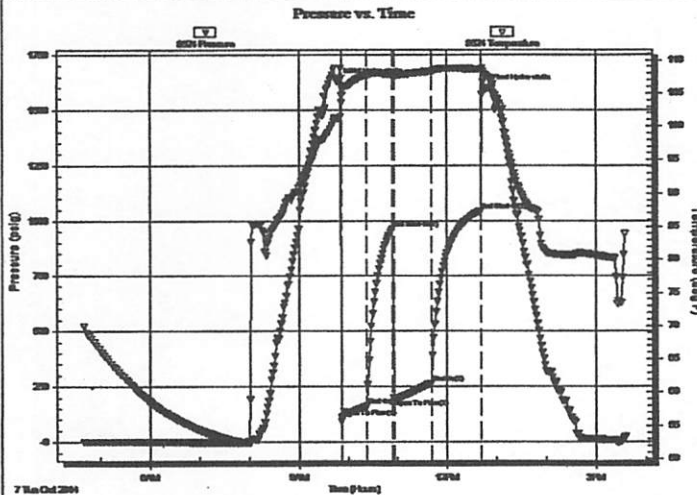
Serial #: 8524

Inside

Press@RunDepth: 265.25 psig @ 3359.00 ft (KB)
Start Date: 2014.10.07 End Date: 2014.10.07
Start Time: 04:41:00 End Time: 15:35:00

Capacity: 8000.00 psig
Last Calib.: 2014.10.07
Time On Btm: 2014.10.07 @ 09:48:00
Time Off Btm: 2014.10.07 @ 12:47:30

TEST COMMENT: IFP 30 BOB in 5 minutes.
ISI 45 No blow back.
FFP 45 BOB in 7 minutes.
FSI 60 No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.46	101.27	Initial Hydro-static
5	111.37	104.65	Open To Flow (1)
35	161.93	107.74	Shut-In(1)
66	965.58	107.80	End Shut-In(1)
69	193.74	107.58	Open To Flow (2)
113	265.25	108.33	Shut-In(2)
173	1045.46	108.63	End Shut-In(2)
180	1596.64	107.57	Final Hydro-static

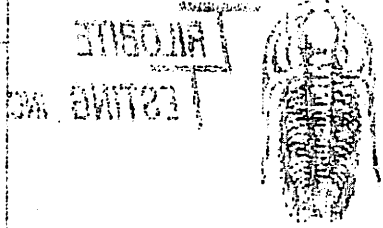
Recovery

Length (ft)	Description	Volume (bbl)
0.00	30 feet gas in pipe.	0.00
441.00	100% Clean gassy oil	4.87
126.00	MW 10% Mud, 90% oil	1.77

Gas Rates

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

DRILL STEM TEST REPORT



Well: 34-102-107-BW Bardon KS
 Location: OJ Company, U.C.
 Job No: 60195
 Test Date: 2014-10-07 @ 04:40:00
 Tester: Roger Fisher
 Well No: 07490-0218
 Job No: 60195
 Test Date: 2014-10-07 @ 04:40:00

GENERAL INFORMATION

Formation: No
 Device: No
 This Test Opened: 08:33:00
 This Test Ended: 15:35:00
 Interval: 3300.00 ft (KB) To 3267.00 ft (KB) (TVI)
 Total Depth: 3267.00 ft (KB) (TVI)
 Hole Diameter: 7.88 inches (Condition: Floor)

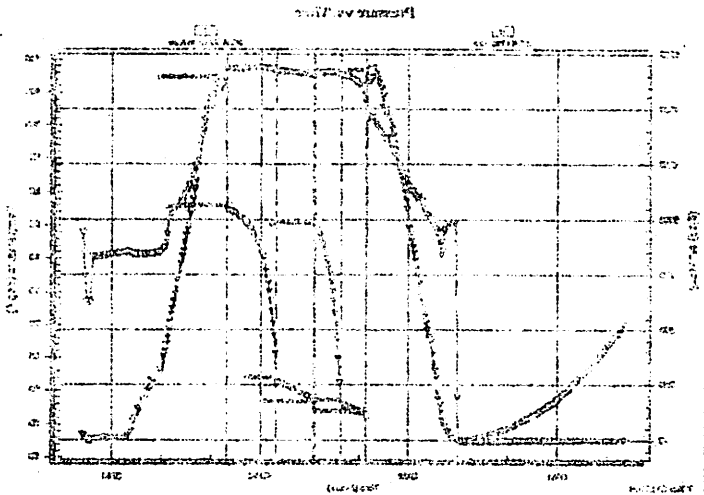
Test Type: Conventional Bottom Hole (CBB)
 Test: Spontaneous
 Unit No: 53
 Reference Interval: 1801.00 ft (KB)
 Reference Interval: 1801.00 ft (KB)
 Reference Interval: 1801.00 ft (KB)

Serial #: 8324
 Inside
 Pressure: 305.25 psig @ 3300.00 ft (KB)
 Start Date: 2014-10-07
 End Date: 2014-10-07
 Start Time: 04:41:00
 End Time: 15:35:00
 Capacity: 6000.00 gal
 Last Date: 2014-10-07
 Time of Day: 2014-10-07 @ 04:40:00
 Time of Day: 2014-10-07 @ 15:35:00

TEST COMMENT:
 FF 30 BOB in 8 minutes
 FF 45 No flow back
 FF 45 BOB in 7 minutes
 FF 80 No flow back

PRESSURE SUMMARY

Time (min)	Pressure (psig)	Annular Temp (deg F)
0	1852.46	101.27
5	1711.07	104.65
35	1611.95	107.74
50	982.98	107.80
55	103.74	107.88
115	288.25	108.22
170	1042.43	108.03
180	1552.64	107.27



Recovery

Time (min)	Pressure (psig)
0:00	30 level gas in pipe
4:00	100% Clean gassy oil
1:15	MW 10% MWL 30% oil

Gas Relief

Time (min)	Pressure (psig)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mar-Lou Oil Company, LLC.

34-16s-12w Barton, KS

PO Box 218
Wilson KS 67490-0218

Jenisch #5

Job Ticket: 60465

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.10.07 @ 04:40:00

Tool Information

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 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: 144.50 ft	Diameter: 2.25 inches	Volume: 0.71 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 45.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.50 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3338.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3323.00	
Hydraulic tool	5.00			3328.00	
Top Packer	5.00			3333.00	
Packer	5.00			3338.00	20.00 Bottom Of Top Packer
Anchor	20.00			3358.00	
Recorder	1.00	8524	Inside	3359.00	
Recorder	1.00	8159	Outside	3360.00	
Bull Plug	3.00			3363.00	25.00 Anchor Tool

Total Tool Length: 45.00

ALORITE
TESTING, INC.



DRILL STEM TEST REPORT

TOOL DIAGRAM

Material: **34-10s-15w Barton, KS**
 Job Title: **60465**
 Test Date: **0014.10.08 @ 04:48:03**
 Location: **67480-0218**
 Tester: **Roger Fisher**

Tool Information

Drill Pipe Above Kit	Length:	18.50 ft
Depth to Top Picket	Length:	333.00 ft
Depth to Bottom Picket	ft	
Interval between Pickets	Length:	35.00 ft
Tool Length	Length:	45.00 ft
Number of Pickets	Count:	2
Tool Diameter	Diameter:	6.75 inches
Total Volume	Volume:	45.45 cu ft
2.25 inches Volume	Volume:	0.11 cu ft
0.00 inches Volume	Volume:	0.00 cu ft
0.80 inches Volume	Volume:	41.75 cu ft
Tool Weight	Weight:	2600.00 lb
Weight of Top Picket	Weight:	2000.00 lb
Weight of Full Picket	Weight:	3400.00 lb
Tool Chosen	Length:	0.00 ft
String Weight (ft)	Weight:	4000.00 lb
Price	Price:	\$7500.00 ft

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Length
Ball Plug	0.00			0.00	
Recorder	1.00	8189	Outside	333.00	
Recorder	1.00	8204	Inside	333.00	
Anchor	20.00			353.00	
Picket	5.00			358.00	
Top Picket	5.00			363.00	
Hydraulic Tool	5.00			368.00	
Stabilizer Tool	5.00			373.00	
Bottom Of The Picket	50.00				

Total Tool Length: 45.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mar-Lou Oil Company, LLC.

34-16s-12w Barton, KS

PO Box 218
Wilson KS 67490-0218

Jenisch #5

Job Ticket: 60465

DST#: 1

ATTN: Roger Fisher

Test Start: 2014.10.07 @ 04:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 0.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	30 feet gas in pipe.	0.000
441.00	100% Clean gassy oil	4.870
126.00	MW 10% Mud, 90% oil	1.767

Total Length: 567.00 ft Total Volume: 6.637 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



PRORITE
ESTIMATE

DRILL STEM TEST REPORT

FLUID SUMMARY

Method Oil Company, LLC
 PO Box 218
 Wagoners 57480-0218
 ATTN: Roger Fisher
 30-112-12w Barrow, KS
 Leinisch #2
 500 Ticks: 60463
 DATA:
 Test Start: 2014-03-07 @ 04:40:00

Fluid and Gas Information

Flow Type: Oil
 Flow Rate: 8.00 gpm
 Flow Volume: 88.00 accpt
 Flow Rate: 8.37 in.
 Flow Type: Oil
 Flow Rate: 4000.00 bpm
 Flow Volume: 0.00 inches
 Gas Gasoline Pressure: psig
 Gas Gasoline Type: psi
 Gasoline Volume: psi
 Gasoline Length: psi
 Gasoline Type: psi
 Oil API: 42 deg API
 Water Balance: ppm

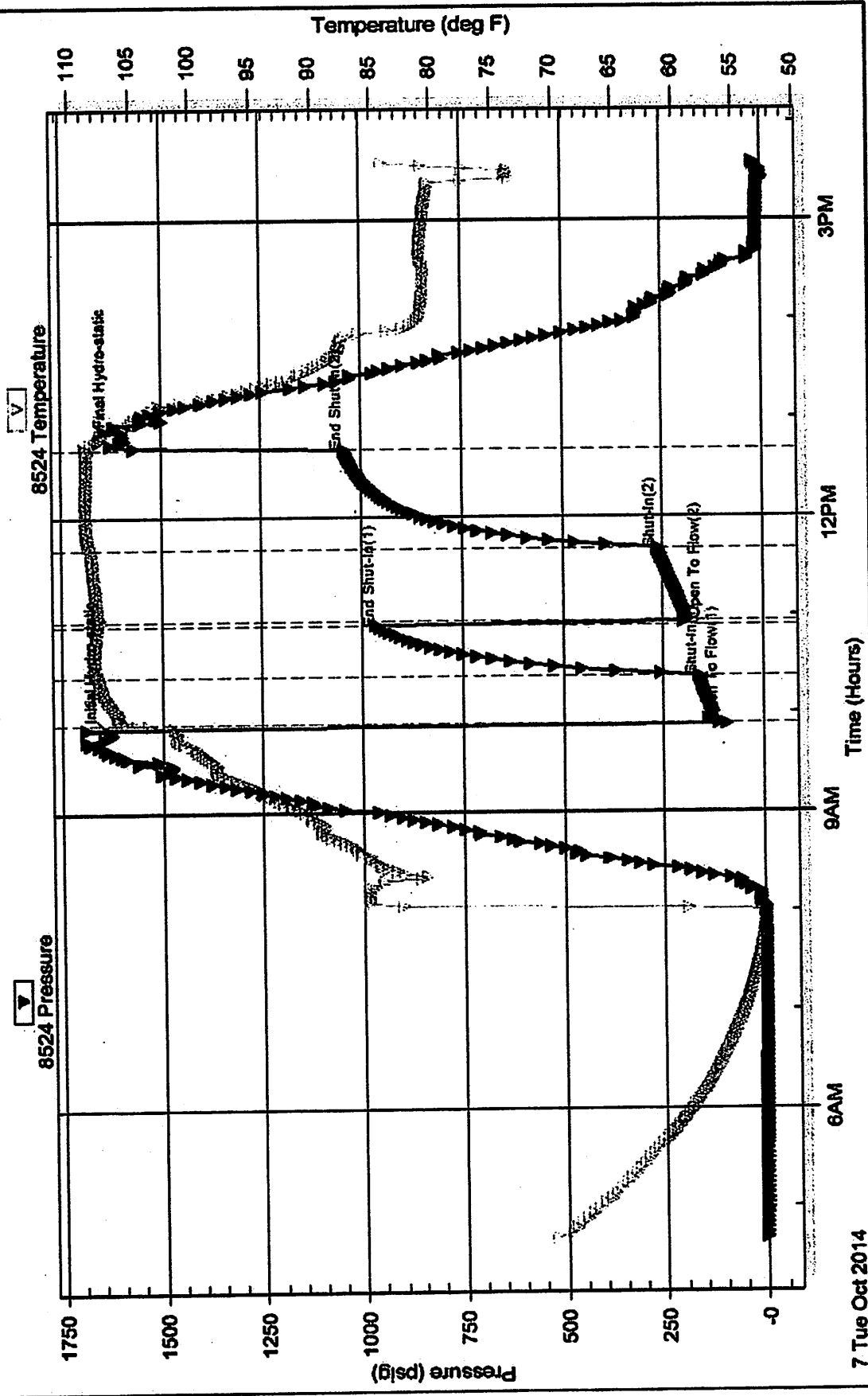
Recovery Information

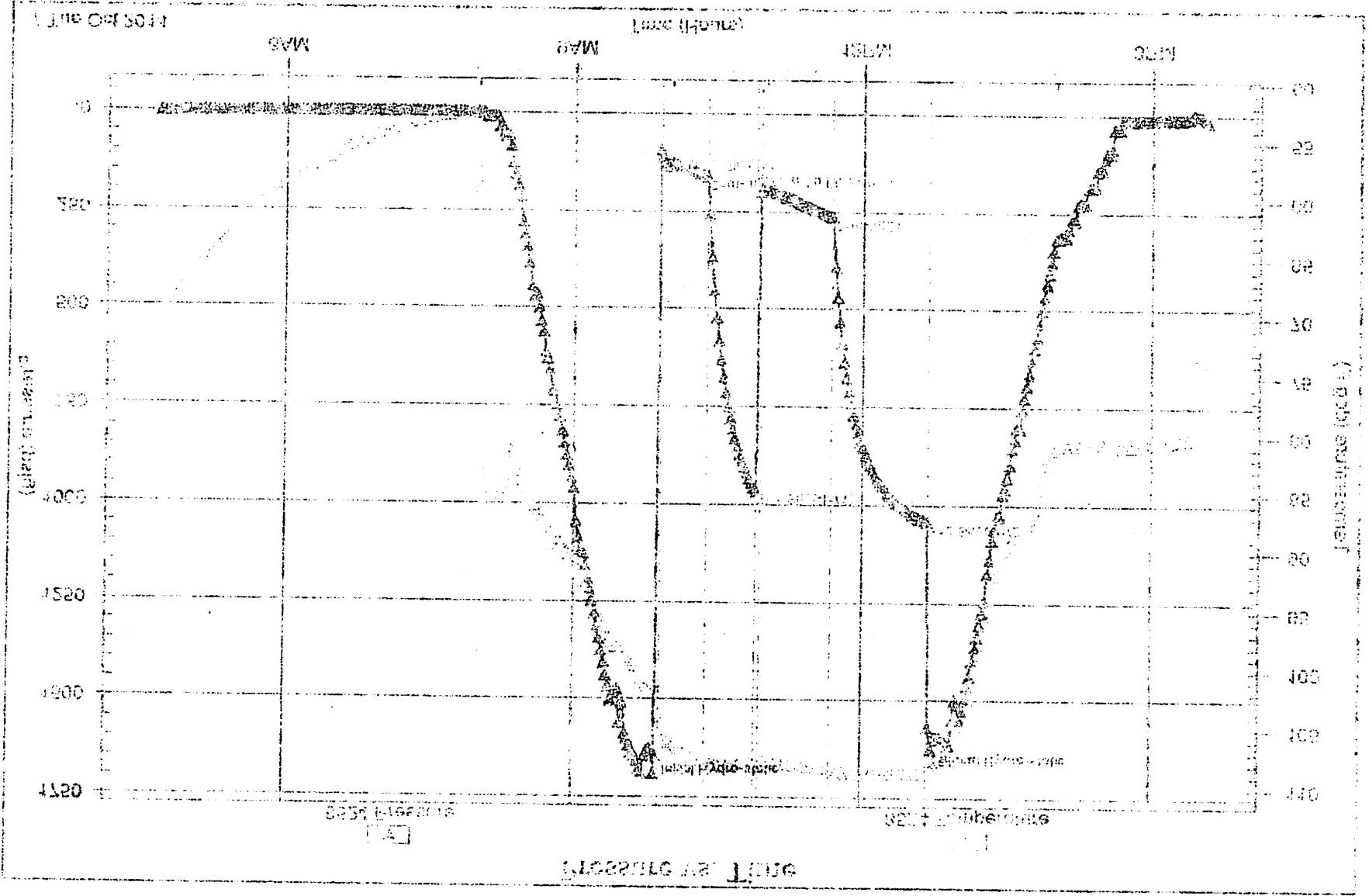
Recovery Table

Length ft	Description	Volume psi
0.00	30 test gas in gas	0.000
44.00	100% Clean gas oil	4.870
138.00	MW 10% MW 90% oil	1.787

Total Length: 188.00 ft
 Total Volume: 6.657 psi
 Recovery Location: 0
 Laboratory Name:
 Number of Samples:
 Total Gas Balance: 0
 Total Oil: 6.657 psi

Pressure vs. Time





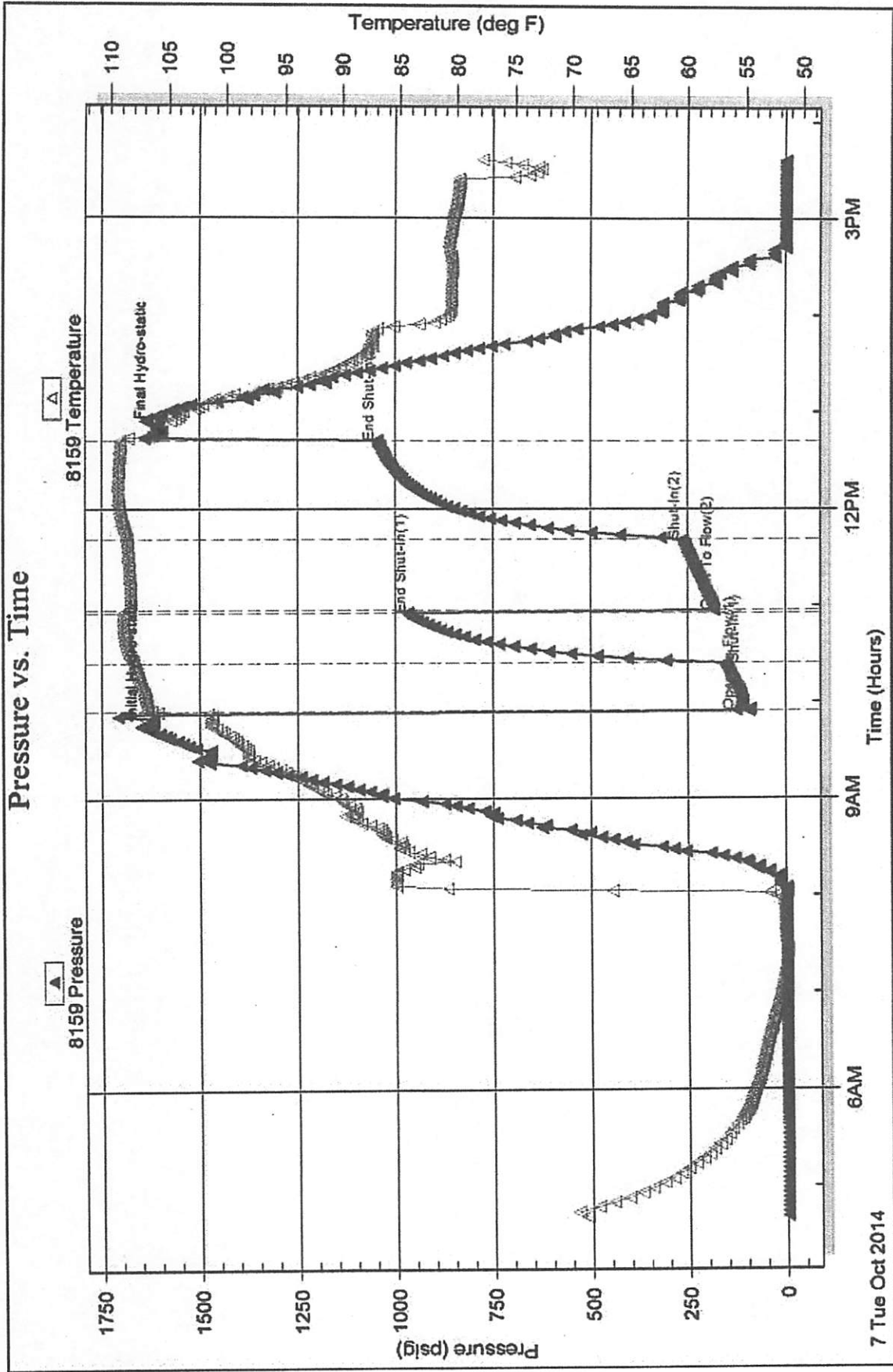
Serial #: 8159

Outside Mar-Lou Oil Company, LLC.

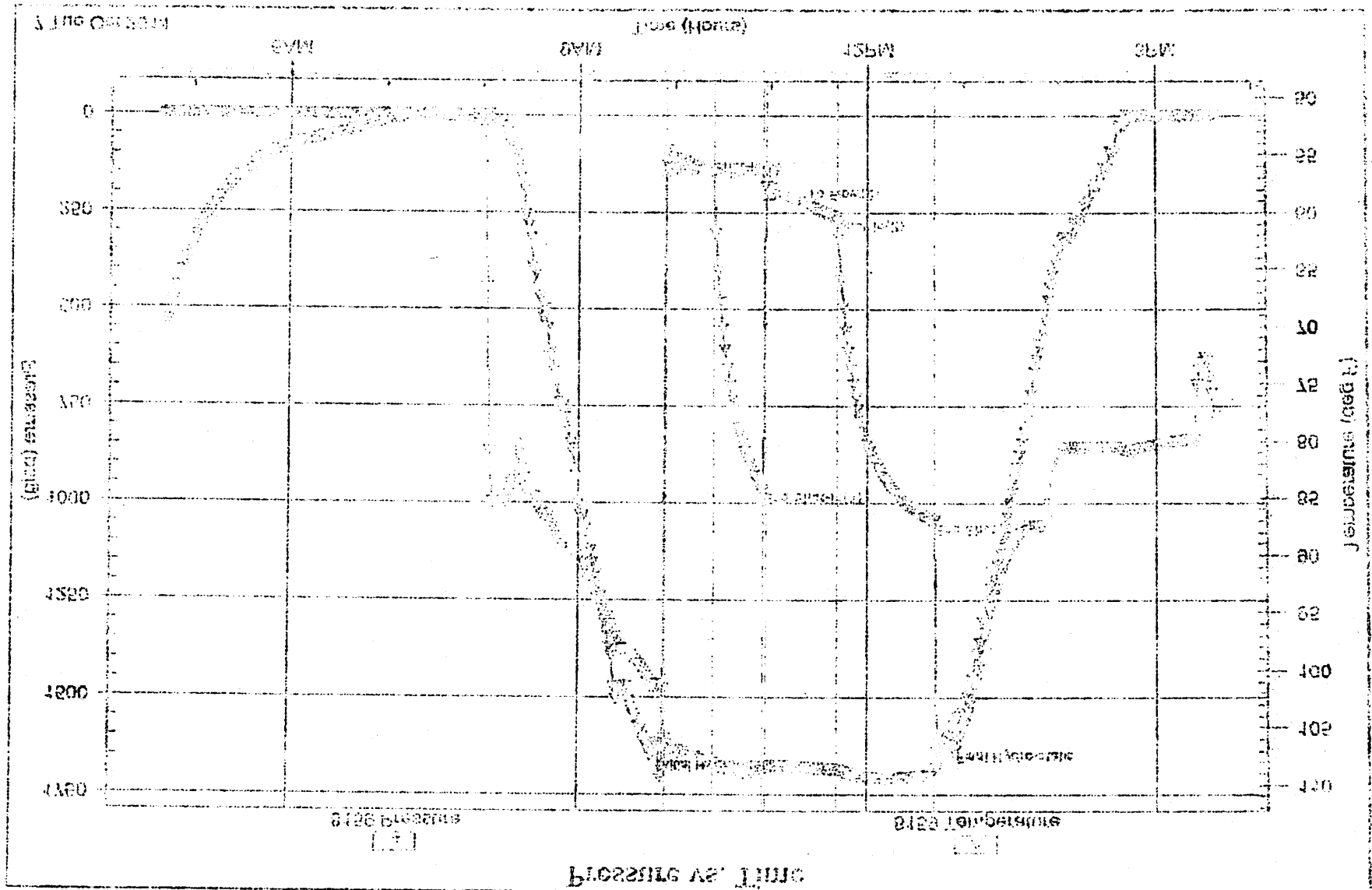
Jenisch #5

DST Test Number: 1

Pressure vs. Time



7 Tue Oct 2014





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60465

Well Name & No. Jenisch # 5 Test No. 1 Date 10-7-14
 Company Mbr-Lou Oil Co. LLC Elevation 1901 KB 1894
 Address P.O. Box 218 Wilson KS 67490-0218
 Co. Rep / Geo. Roger Fisher Rig SKYTOP
 Location: Sec. 34 Twp. 16 S Rge. 12 W Co. Barton State KS

Interval Tested 3338 - 3363 Zone Tested Arbuckle
 Anchor Length 25 Drill Pipe Run 3190 Mud Wt. 9.4
 Top Packer Depth 3333 Drill Collars Run 144.50 Vis 52
 Bottom Packer Depth 3338 Wt. Pipe Run 0 WL 8.8
 Total Depth 3363 Chlorides 4000 ppm System LCM 2⁺

Blow Description 1st Open - Good blow built to bottom of bucket in 5 min
1st shut In - No blow back, 2nd Open - Bottom of bucket in 7 min
2nd shut In - No blow back

Rec	Feet of	%gas	%oil	%water
<u>441</u>	<u>Clean gassy oil</u>	<u>100</u>		
<u>126</u>	<u>muddy oil</u>	<u>90</u>		<u>10</u>
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water

Rec Total 567 BHT _____ Gravity 4.2 API RW 1 @ _____ °F Chlorides _____
 (A) Initial Hydrostatic 1626 Test 1150 T-On Location 0415
 (B) First Initial Flow 209 III Jars _____ T-Started 0800
 (C) First Final Flow 161 Safety Joint _____ T-Open 0940
 (D) Initial Shut-In 965 Circ Sub _____ T-Pulled 1255
 (E) Second Initial Flow 193 Hourly Standby _____ T-Out 1530
 (F) Second Final Flow 265 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 1045 Sampler _____
 (H) Final Hydrostatic 1596 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1227.50

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1227.50
 MP/DST Disc't _____

Approved By _____ Our Representative Steve Kiper
 Trilobite Testing Inc. shall not be liable for damaged 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 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.



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket NO. 8100

Well Name & No. 7-11-11
 Company W. J. ...
 Address ...
 Co. Rep. Geol. ...
 Location Sec. ...
 Page 12
 Co. ...
 State KY

Interval Tested ...
 Anchor Length ...
 Top Packet Depth ...
 Bottom Packet Depth ...
 Total Depth ...
 Blow Description ...

Rec 1	Feet of ...	Gas	Oil	Water
Rec 2	Feet of ...	Gas	Oil	Water
Rec 3	Feet of ...	Gas	Oil	Water
Rec 4	Feet of ...	Gas	Oil	Water
Rec 5	Feet of ...	Gas	Oil	Water

Rec Total ...
 (A) Initial Hydrostatic ...
 (B) First Initial Flow ...
 (C) First Final Flow ...
 (D) Initial Shut-in ...
 (E) Second Initial Flow ...
 (F) Second Final Flow ...
 (G) Final Shut-in ...
 (H) Final Hydrostatic ...

Initial Open ...
 Initial Shut-in ...
 Final Flow ...
 Final Shut-in ...

Approved By ...

Our Representative ...
 MWD & Direct ...
 Dup Joint ...
 Extra Copies ...
 Extra Recorder ...
 Bay Standby ...
 Appropriately ...