

DRILL STEM TEST REPORT

Prepared For: **Herman Loeb LLC**

PO Box 838
Lawrenceville IL 62439

ATTN: George Payne

3 35S 12W Barber KS

Lohman B-9

Start Date: 2011.03.28 @ 01:38:19

End Date: 2011.03.28 @ 12:00:04

Job Ticket #: 41636 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67801

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

Printed: 2011.04.13 @ 21:22:49 Page 1

ORIGINAL

Herman Loeb LLC

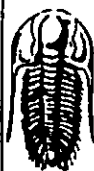
Lohman B-9

3 35S 12W Barber KS

DST # 1

Mississippi

2011.03.28



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman Loeb LLC

Lohman B-9

PO Box 838
Lawrenceville IL 62439

3353 12W Barber KS

Job Ticket: 41636 DST#: 1

ATTN: George Payne

Test Start: 2011.03.28 @ 01:38:19

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:19

Time Test Ended: 12:00:04

Test Type: Conventional Bottom Hole

Tester: Chris starts

Unit No: 34

Interval: 4775.00 ft (KB) To 4820.00 ft (KB) (TVD)

Total Depth: 4820.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1419.00 ft (KB)

1409.00 ft (CF)

KB to GRVCF: 10.00 ft

Serial #: 6773

Inside

Press@RunDepth: 34.28 psig @ 4775.00 ft (KB)

Start Date: 2011.03.28

End Date:

2011.03.28

Start Time:

01:38:24

End Time:

12:00:04

Capacity: 8000.00 psig

Last Cell: 2011.03.28

Time On Btm: 2011.03.28 @ 05:36:19

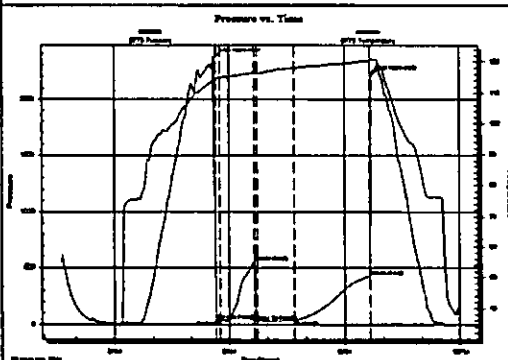
Time Off Btm: 2011.03.28 @ 09:41:04

TEST COMMENT: IF: Weak blow 1 1/2 in 15 min

ISI: No blow back

FF: Weak blow 1"

FST: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2363.62	113.98	Initial Hydro-static
3	33.93	114.63	Open To Flow (1)
10	32.93	115.02	Shut-In(1)
63	550.80	116.52	End Shut-In(1)
67	31.37	116.30	Open To Flow (2)
126	34.28	118.08	Shut-In(2)
243	430.04	120.25	End Shut-In(2)
245	2206.29	121.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DRLG mud	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MCFG)
--	----------------	-----------------	-----------------

Tribolite Testing, Inc.

Ref. No: 41636

Printed: 2011.04.13 @ 21:22:49 Page 2

41636



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman Loeb LLC

Lohman B-9

PO Box 838
Lawrenceville IL 62439

3 35S 12W Barber KB

Job Ticket: 41636 DST#: 1

ATTN: George Payne

Test Start: 2011.03.28 @ 01:38:19

Tool Information

Drill Pipe:	Length: 4763.00 ft	Diameter: 3.80 inches	Volume: 66.81 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 66.81 bbl	Tool Chased 8.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4775.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4748.00	
Shut In Tool	5.00			4753.00	
Hydraulic tool	5.00			4758.00	
Jars	5.00			4763.00	
Safety Joint	3.00			4766.00	
Packer	4.00			4770.00	28.00 Bottom Of Top Packer
Packer	5.00			4775.00	
Recorder	0.00	8166	Outside	4775.00	
Recorder	0.00	8773	Inside	4775.00	
Perforations	6.00			4781.00	
Drill Pipe	31.00			4812.00	
Perforations	5.00			4817.00	
Bullnose	3.00			4820.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRIBOLITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman Loeb LLC

Lohman B-9

PO Box 838

335S 12W Barber KS

Lawrenceville IL 62439

Job Ticket: 41636

DST#: 1

ATTN: George Payne

Test Start: 2011.03.28 @ 01:38:19

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: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Fiber Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DRLG mud	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

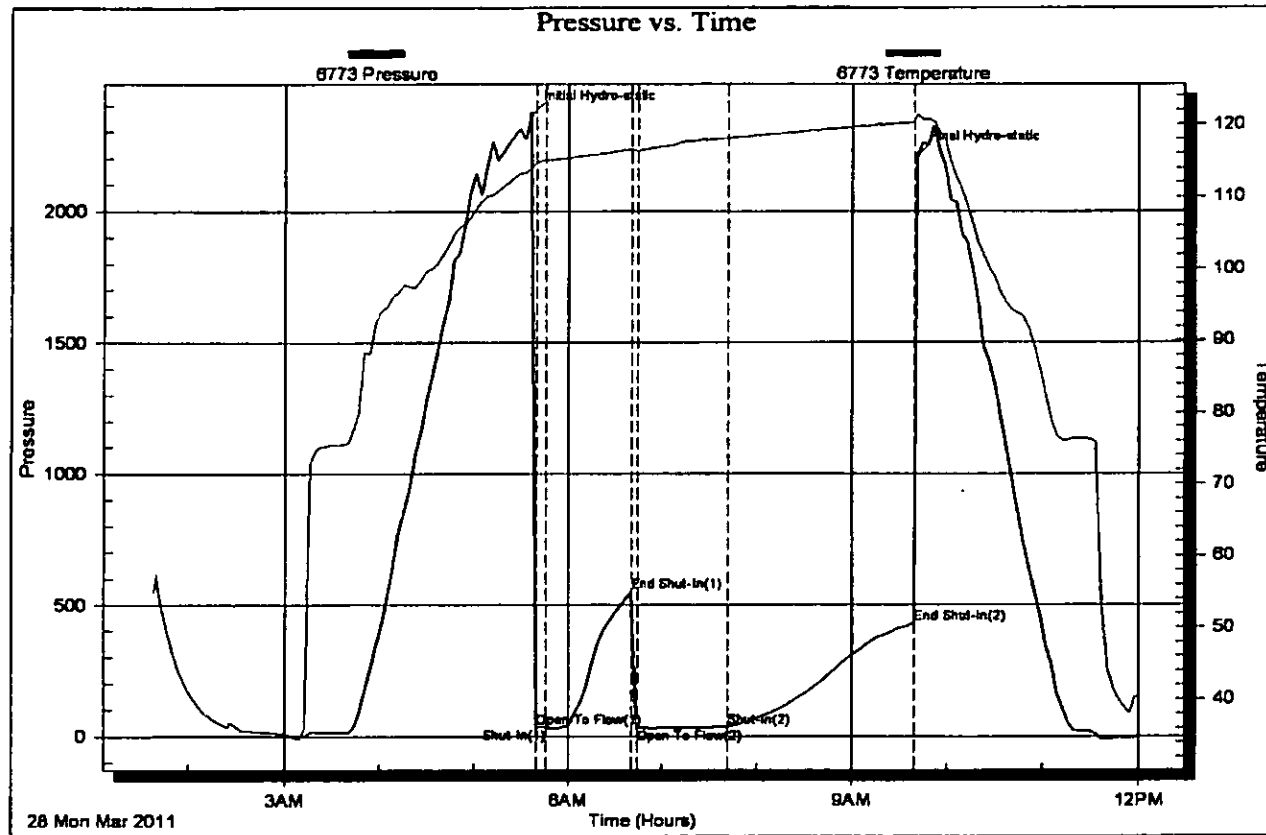
Serial #: 6773

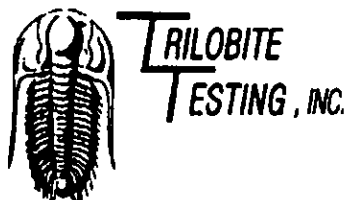
Inside

Herman Loeb LLC

3 35S 12W Barber KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Herman Loeb LLC**

PO Box 838
Lawrenceville IL 62439

ATTN: George Payne

3 35S 12W Barber KS

Lohman B-9

Start Date: 2011.03.29 @ 22:44:44

End Date: 2011.03.30 @ 09:09:59

Job Ticket #: 41837 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Herman Loeb LLC

PO Box 638
Lawrenceville IL 62439

ATTN: George Payne

Lohman B-8

3 35S 12W Barber KS

Job Ticket: 41637 DST#: 2

Test Start: 2011.03.29 @ 22:44:44

GENERAL INFORMATION:

Formation: Milner

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:18:29

Time Test Ended: 09:09:59

Test Type: Conventional Bottom Hole

Tester: Chris Staats

Unit No: 34

Interval: 5140.00 ft (KB) To 5162.00 ft (KB) (TVD)

Total Depth: 5162.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1419.00 ft (KB)

1409.00 ft (CF)

KB to GRVCF: 10.00 ft

Serial #: 6773 Inside

Press@RunDepth: 200.79 psig @ 5140.00 ft (KB)

Start Date: 2011.03.29

End Date:

2011.03.30

Start Time:

22:44:49

End Time:

09:09:59

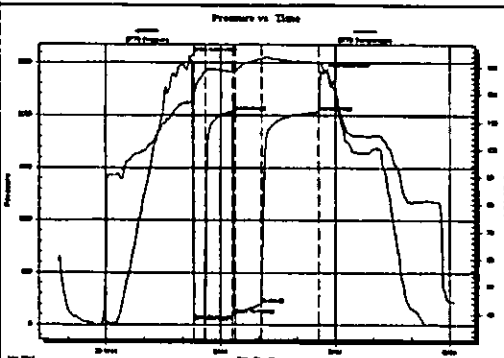
Capacity: 8000.00 psig

Last Calib.: 2011.03.30

Time On Btm: 2011.03.30 @ 02:10:59

Time Off Btm: 2011.03.30 @ 05:40:59

TEST COMMENT: IF: Strong blow BOB 3 min
IS: No blow back
FS: Strong blow BOB 20 min
IS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2596.74	117.00	Initial Hydro-static
8	40.84	119.59	Open To Flow (1)
25	87.32	128.39	Shut-In (1)
68	2033.00	128.39	End Shut-In (1)
72	101.97	128.14	Open To Flow (2)
113	200.79	133.14	Shut-In (2)
203	2029.38	131.75	End Shut-In (2)
210	2401.51	129.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620' GIP	0.00
122.00	m oil spots 80% w 20% m	1.71
240.00	w 100%	3.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman Loeb LLC

Lohman B-8

PO Box 838
Lawrenceville IL 62439

3353 12W Barber KS

Job Ticket: 41637

DST#: 2

ATTN: George Payne

Test Start: 2011.03.29 @ 22:44:44

Tool Information

Drill Pipe:	Length: 5136.00 ft	Diameter: 3.80 inches	Volume: 72.04 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	72.04 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5140.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5113.00	
Shut In Tool	5.00			5118.00	
Hydraulic tool	5.00			5123.00	
Jars	5.00			5128.00	
Safety Joint	3.00			5131.00	
Packer	4.00			5135.00	28.00 Bottom Of Top Packer
Packer	5.00			5140.00	
Recorder	0.00	8166	Outside	5140.00	
Recorder	0.00	6773	Inside	5140.00	
Perforations	19.00			5159.00	
Bullnose	3.00			5162.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman Loeb LLC
PO Box 838
Lawrenceville IL 62439
ATTN: George Payne

Lohman B-9
3 36S 12W Barber KS
Job Ticket: 41637 DST#: 2
Test Start: 2011.03.29 @ 22:44:44

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.97 in"
Resistivity: 0.00 ohm-in
Salinity: 3500.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: 11000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	620' GP	0.000
122.00	m oil spots 80% w 20% m	1.711
240.00	w 100%	3.367

Total Length: 362.00 ft Total Volume: 5.078 bbl

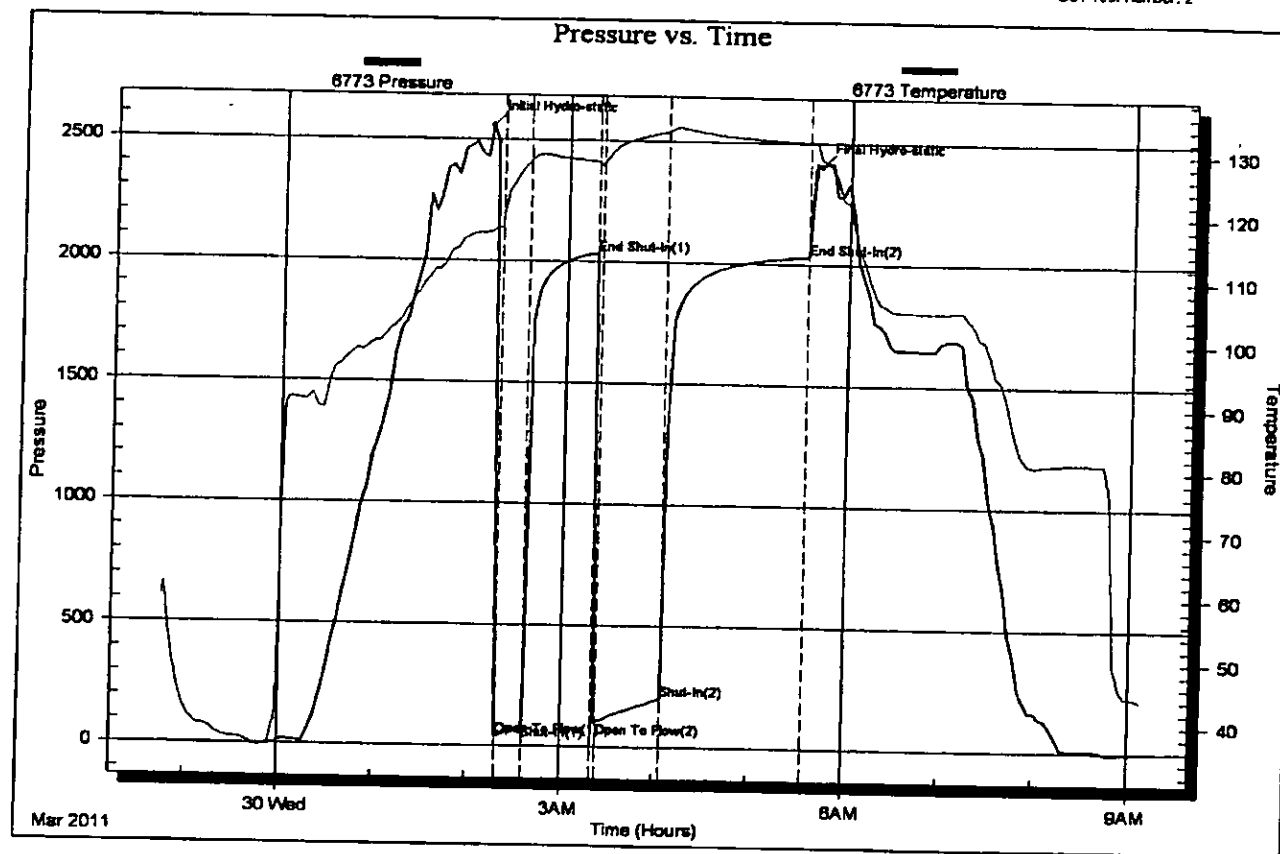
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW 1.12 @ 48F = 11000 chlorides

Serial #: 6773

Inside Herman Loeb LLC

3 35S 12W Barber KS

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 41537

Printed: 2011.04.13 @ 21:23:28 Page 5



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 31 2011

Test Ticket

NO. 041636

Well Name & No. LOHmann #B-9 BY: _____ Test No. 1 Date 3-28-11
Company Herman Loeb LLC Elevation 1419 KB 1409 GL _____
Address PO Box 838 Lawrenceville IL 62439
Co. Rep / Geo. Mike Maune Rig VAL #2
Location: Sec. 3 Twp. 35S Rge. 12W Co. Barber State KS

Interval Tested 4775 - 4820 Zone Tested MISS
Anchor Length 45' Drill Pipe Run 4763 Mud Wt. 9.1
Top Packer Depth 4770 Drill Collars Run 0 Vis 45
Bottom Packer Depth 4775 Wt. Pipe Run 0 WL 8.4
Total Depth 4820 Chlorides 5500 ppm System LCM 5#

Blow Description IF: Weak blow 1 1/2 15min

ISI: NO blow back

FF: Weak blow 1"

FST: NO blow back

Sec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>DRG Mud</u>			<u>100</u>	

Sec Total 15' BHT 120 Gravity MA API RW MC @ _____ °F Chlorides 5500 ppm

A) Initial Hydrostatic <u>2363</u>	☒ Test <u>1225</u>	T-On Location <u>1:30</u>
B) First Initial Flow <u>33</u>	☒ Jars <u>250'</u>	T-Started <u>1:38</u>
C) First Final Flow <u>33</u>	☒ Safety Joint <u>75'</u>	T-Open <u>5:39</u>
D) Initial Shut-In <u>550</u>	☐ Circ Sub	T-Putted <u>10:45</u>
E) Second Initial Flow <u>31</u>	☐ Hourly Standby <u>1hr 100'</u>	T-Out <u>12:30</u>
F) Second Final Flow <u>34</u>	☒ Mileage <u>110 miles 13750</u>	Comments _____
G) Final Shut-In <u>430</u>	☐ Sampler	
H) Final Hydrostatic <u>2208</u>	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
	☐ Extra Packer	☐ Extra Copies
	☐ Extra Recorder	Sub Total <u>8</u>
	☐ Day Standby	Total <u>1787.50</u>
	☐ Accessibility	MP/DST Disc't _____
	Sub Total <u>1787.50</u>	

Initial Open 15
Initial Shut-In 45
Initial Flow 60
Initial Shut-In 120

Approved By Michael K Maune Our Representative Chris [Signature]

Triobite Testing Inc. shall not be liable for damages 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.



**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041637

RECEIVED

APR 01 2011

Well Name & No. Lohman B-9 BY: Test No. 2 Date 3-29-11
Company Herman L&B LLC Elevation 1419 KB 1409 GL
Address PO Box 838 Lawrenceville IL 62439
Co. Rep / Geo. Mike Maube / George Payne Rig Val Energy #2
Location: Sec. 3 Twp. 35S Rge. 12W Co. Barber State KS

Interval Tested S140 - S162 Zone Tested MISNER
Anchor Length 22' Drill Pipe Run ~~5136~~ 5136 Mud Wt. 9.2
Top Packer Depth S135 Drill Collars Run 0 Vis 49
Bottom Packer Depth S140 Wt. Pipe Run 0 WL 9.0
Total Depth S162 Chlorides 3500 ppm System LCM 4#

Flow Description IF: STRONG blow BOB 3min

ISI: NO blow back

FF: STRONG blow DOB 20min

FSL: NO blow back

Loc	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>GIP 620'</u>				
<u>122'</u>	<u>MWOSPOTS</u>		<u>80</u>	<u>20</u>	
<u>240</u>	<u>W</u>		<u>100</u>		

Loc Total 362 BHT AP 112 Gravity API RW 1.12 @ 46 °F Chlorides 11,000 ppm

1) Initial Hydrostatic <u>2556</u>	☒ Test <u>1325</u>	T-On Location <u>21:30</u>
3) First Initial Flow <u>41</u>	☒ Jars <u>250</u>	T-Started <u>21:30 22:49</u>
2) First Final Flow <u>87</u>	☒ Safety Joint <u>75</u>	T-Open <u>2:18</u>
2) Initial Shut-In <u>2033</u>	☐ Circ Sub	T-Pulled <u>6:40</u>
3) Second Initial Flow <u>102</u>	☐ Hourly Standby <u>15hrs 150</u>	T-Out <u>10:00</u>
2) Second Final Flow <u>201</u>	☒ Mileage <u>110. miles 137.50</u>	Comments <u> </u>
3) Final Shut-In <u>2029</u>	☐ Sampler	
4) Final Hydrostatic <u>2401</u>	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
	☐ Extra Packer	☐ Extra Copies
	☐ Extra Recorder	Sub Total <u>8</u>
	☐ Day Standby	Total <u>1937.50</u>
	☐ Accessibility	MP/DST Disc't <u> </u>
	Sub Total <u>1937.50</u>	

Initial Open 15
Initial Shut-In 45
Initial Flow 45
Initial Shut-In 90

Approved By Mike Maube Our Representative Chris Stant
Triobite 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 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.