

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49280

Well Name & No. Schmitt 3-23 Test No. 1 Date 8-2-12
 Company Herman Loeb LLC Elevation 2511 KB 2500 GL
 Address PO Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jon Christensen Rig Sterling 2
 Location: Sec. 23 Twp. 22 Rge. 25 Co. Madison State K

Interval Tested 4598-4616 Zone Tested Miss Osbornite
 Anchor Length 18 Drill Pipe Run 4363 Mud Wt. 9.2
 Top Packer Depth 4593 Drill Collars Run 218 Vis 48
 Bottom Packer Depth 4598 Wt. Pipe Run — WL 12.8
 Total Depth 4616 Chlorides 4100 ppm System LCM —

Blow Description IFF - weak sur blow throughout
ISI - no blow back
FFP - no blow
FST - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>0 sgd. Drl Mud</u>	<u>sp</u>			<u>100</u>
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

Rec Total 5 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 2239
- (B) First Initial Flow 17
- (C) First Final Flow 19
- (D) Initial Shut-In 50
- (E) Second Initial Flow 20
- (F) Second Final Flow 21
- (G) Final Shut-In 37
- (H) Final Hydrostatic 2152

- Test
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 155 RT
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total _____

- T-On Location 1032
- T-Started 1255
- T-Open 1522
- T-Pulled 1752
- T-Out 2035

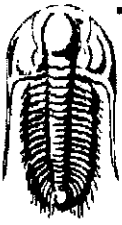
Initial Open 15
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60

- Comments _____
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total _____
- Total _____
- MP/DST Disc't _____

Approved By _____

Our Representative Brian Fairbank

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 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**

DRILL STEM TEST REPORT

Herman L. Loeb LLC
 PO Box 838
 Lawrenceville, IL 62439
 ATTN: Jon Christensen

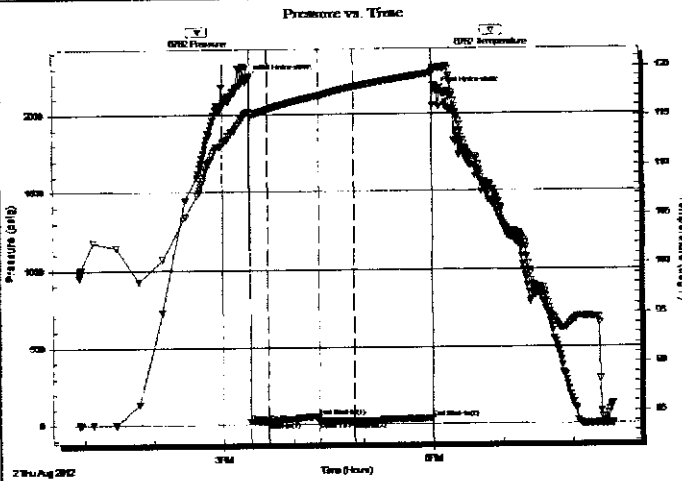
23-22-25 Hodgeman, Ks
Schmitt 3-23
 Job Ticket: 49280 **DST#: 1**
 Test Start: 2012.08.02 @ 12:55:48

GENERAL INFORMATION:

Formation: **Miss Dolomite**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: 15:23:18 Tester: **Brian Fairbank**
 Time Test Ended: 20:35:48 Unit No: **41**
 Interval: **4598.00 ft (KB) To 4616.00 ft (KB) (TVD)** Reference Elevations: **2511.00 ft (KB)**
 Total Depth: **4616.00 ft (KB) (TVD)** **2500.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **11.00 ft**

Serial #: 6752 **Inside**
 Press@RunDepth: **21.37 psig @ 4603.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.08.02** End Date: **2012.08.02** Last Calib.: **2012.08.02**
 Start Time: **12:55:48** End Time: **20:35:48** Time On Btm: **2012.08.02 @ 15:21:48**
 Time Off Btm: **2012.08.02 @ 18:03:18**

TEST COMMENT: IFP - weak sur blow throughout
 ISI - no blow back
 FFP - no blow
 FSI - no blow back



PRESSURE SUMMARY

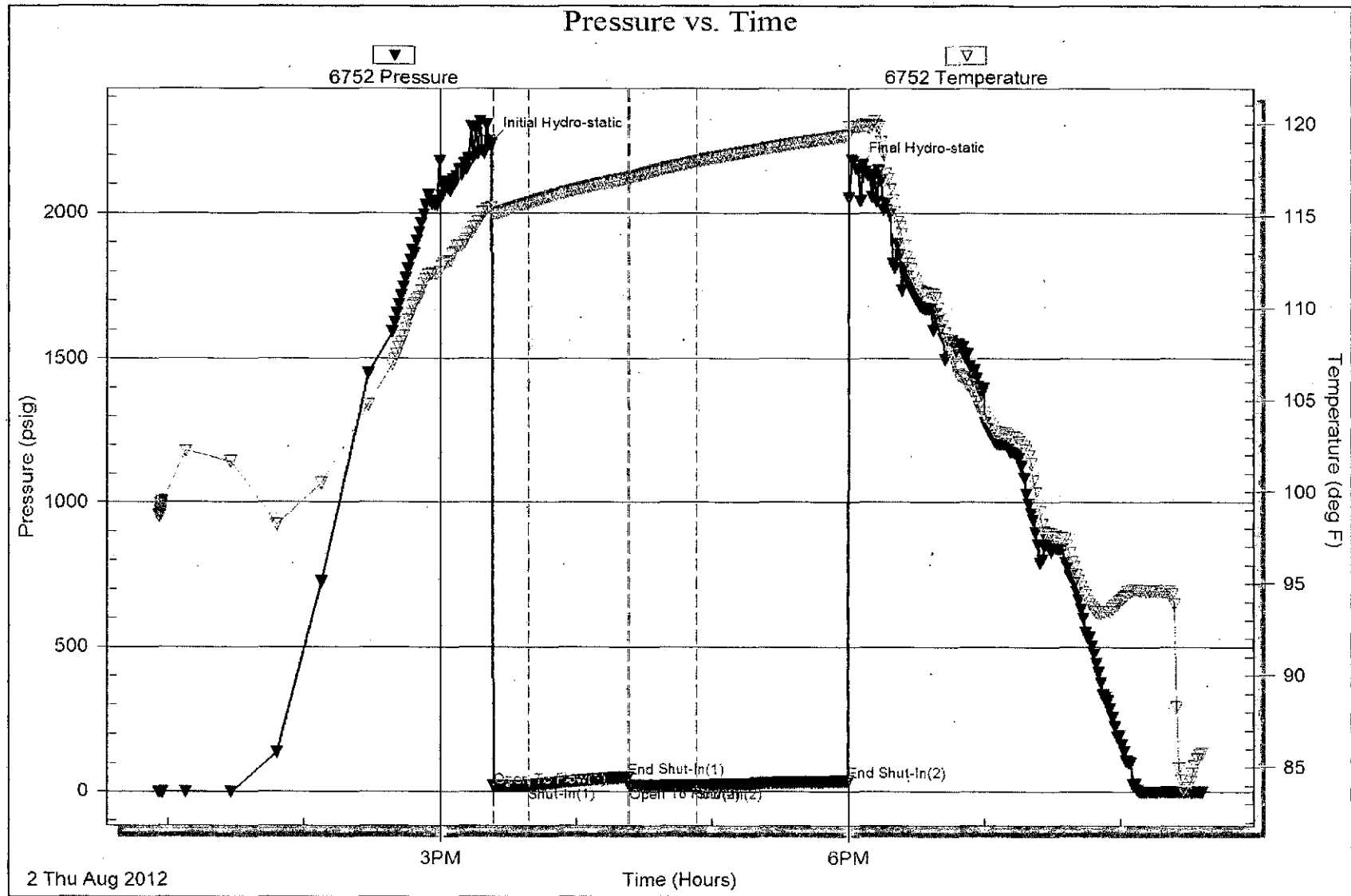
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.83	115.40	Initial Hydro-static
2	17.31	115.11	Open To Flow (1)
17	19.44	115.70	Shut-In(1)
61	49.53	117.06	End Shut-In(1)
61	20.12	117.06	Open To Flow (2)
91	21.37	117.96	Shut-In(2)
158	36.55	119.36	End Shut-In(2)
162	2151.92	119.87	Final Hydro-static

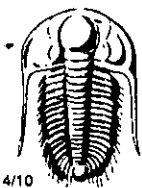
Recovery

Length (ft)	Description	Volume (bbl)
5.00	O sptd DRL MUD 100%	0.02

Gas Rates

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





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49281

Well Name & No. Schmitt 3-23 Test No. 2 Date 8-3-12
 Company Herman Loeb Elevation 2511 KB 2500 GL
 Address _____
 Co. Rep / Geo. Jan Christensen Rig Sterling 2
 Location: Sec. 23 Twp. 22 Rge. 25 Co. Hodgeman State K

Interval Tested 4619 - 4643 Zone Tested Miss Delomite
 Anchor Length 24 Drill Pipe Run 4394 Mud Wt. 9.2
 Top Packer Depth 4614 Drill Collars Run 218 Vis 48
 Bottom Packer Depth 4619 Wt. Pipe Run _____ WL 12.8
 Total Depth 4643 Chlorides 4100 ppm System LCM _____
 Blow Description IFP - weak blow throughout sur - 1 1/4"
ISI - no blow back
FFP - weak to fair blow sur - 4 1/2"
FSI - no blow back

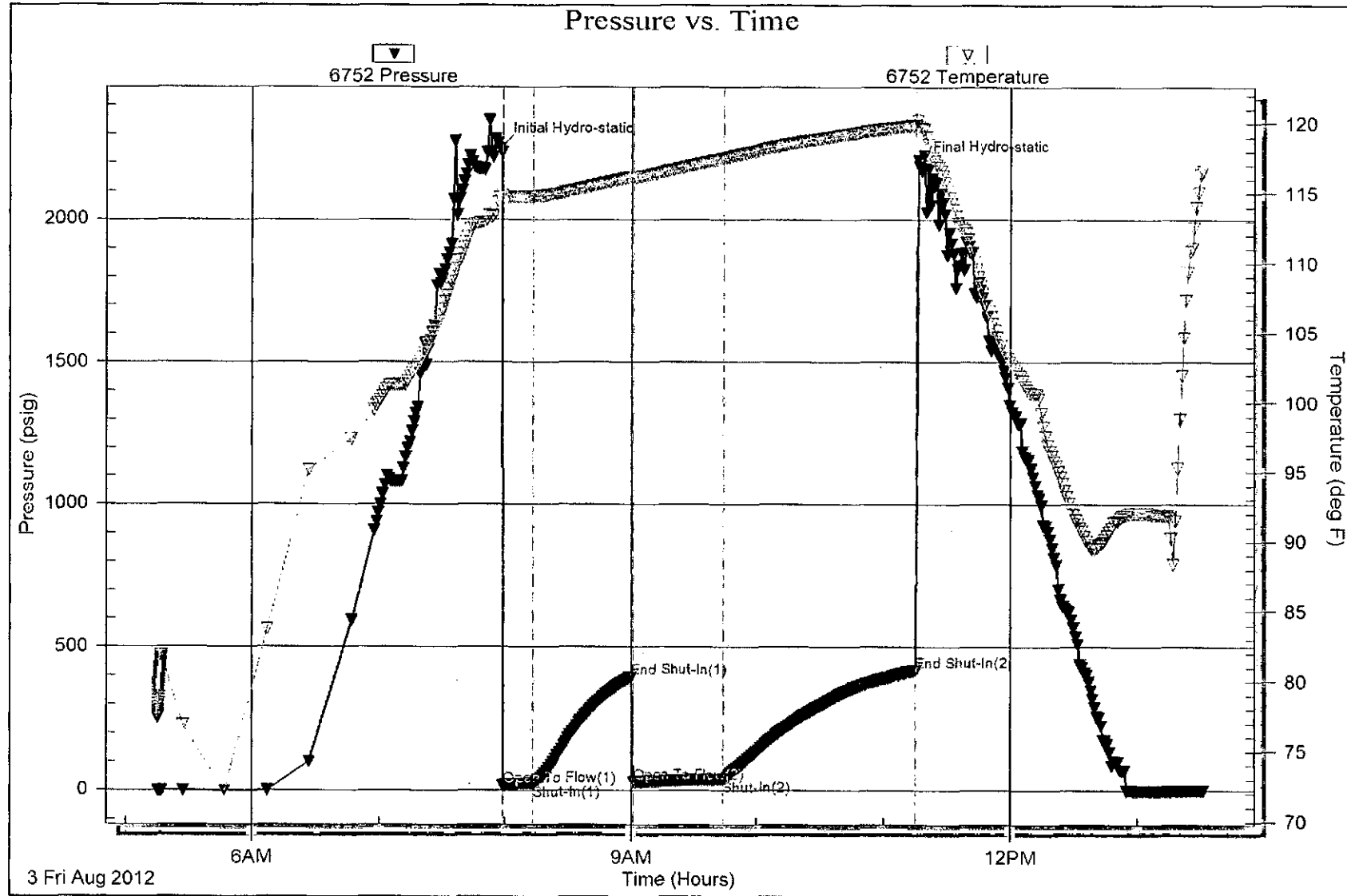
Rec	Feet of	%gas	%oil	%water	%mud
<u>165</u>	<u>GIP</u>				
<u>30</u>	<u>Free oil</u>		<u>95%</u>		<u>5%</u>
<u>30</u>	<u>CCM</u>		<u>10%</u>		<u>90%</u>
____	____				
____	____				

Rec Total 60 BHT 120 Gravity 35 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2248</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>0432</u>
(B) First Initial Flow <u>16</u>	<input type="checkbox"/> Jars _____	T-Started <u>0515</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>0758</u>
(D) Initial Shut-In <u>393</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1113</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1329</u>
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage	Comments _____
(G) Final Shut-In <u>418</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2184</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Total _____
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By _____ Our Representative Brian Farbank

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 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**

DRILL STEM TEST REPORT

Herman L. Loeb LLC

23-22-25 Hodgeman, Ks

PO Box 838
Lawrenceville, IL 62439

Schmitt 3-23

Job Ticket: 49281

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.08.03 @ 05:15:08

GENERAL INFORMATION:

Formation: Miss Dolomite

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:08

Time Test Ended: 13:31:08

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4619.00 ft (KB) To 4643.00 ft (KB) (TVD)

Total Depth: 4643.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2511.00 ft (KB)

2500.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6752 Inside

Press@RunDepth: 38.29 psig @ 4620.00 ft (KB)

Start Date: 2012.08.03

End Date: 2012.08.03

Capacity: 8000.00 psig

Start Time: 05:15:08

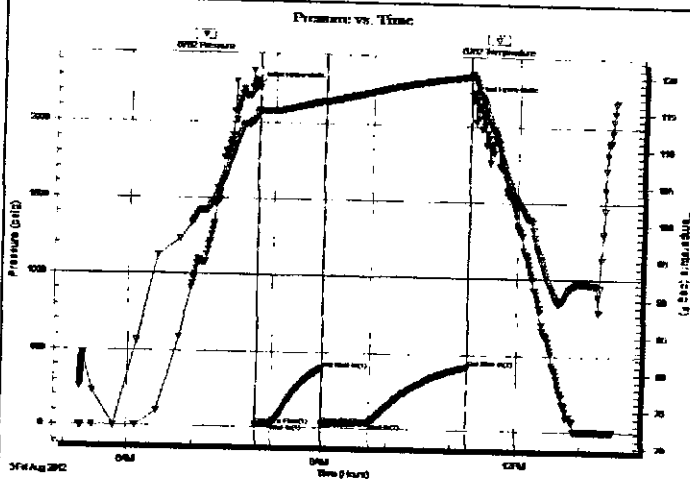
End Time: 13:31:08

Last Calib.: 2012.08.03

Time On Btm: 2012.08.03 @ 07:57:38

Time Off Btm: 2012.08.03 @ 11:16:38

TEST COMMENT: IFP - weak blow throughout sur - 1 1/4"
ISI - no blow back
FFP - weak to fair blow sur - 4 1/2"
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.83	114.67	Initial Hydro-static
2	16.05	114.59	Open To Flow (1)
16	23.59	114.75	Shut-In(1)
62	392.90	116.18	End Shut-In(1)
63	27.35	116.11	Open To Flow (2)
107	38.29	117.50	Shut-In(2)
197	418.10	119.89	End Shut-In(2)
199	2183.63	119.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 10%O, 90%M	0.15
30.00	FREE OIL 95%O, 5%M	0.15
0.00	165' GIP	0.00

* Recovery from multiple tests

Gas Rates

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