



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1084289

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Larson Engineering, Inc. dba Larson Operating Company
Well Name	Melita 1-8
Doc ID	1084289

Tops

Name	Top	Datum
Anhydrite	2167	+677
Base Anhydrite	2196	+648
Heebner Sh	3928	-1064
Lansing-KC	3969	-1125
Stark Sh	4253	-1409
Base KC	4334	-1490
Marmaton	4367	-1523
Pawnee	4449	-1605
Fort Scott	4496	-1652
Cherokee	4519	-1675
Mississippian	4588	-1744

ALLIED CEMENTING CO., LLC. 042441

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Grant Bend, KS

DATE <u>2-29-12</u>	SEC. <u>4</u>	TWP. <u>19S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Meliza</u>		WELL # <u>1-8</u>		LOCATION <u>5 miles west of Dighton, 5 south</u>		COUNTY <u>Lane</u>	STATE <u>Kansas</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)			Eggst info				

CONTRACTOR HD Drilling Rig #3 OWNER Larson Engineering LLC

TYPE OF JOB Surface

HOLE SIZE 12 1/4 I.D. 265

CASING SIZE 4 5/8 DEPTH 265

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15 FT

PERFS. _____

DISPLACEMENT 15.92 bbls Freshwater

CEMENT AMOUNT ORDERED 175 sks Class A 34.00 24.00 gal

EQUIPMENT

PUMP TRUCK CEMENTER Dustin C

224 HELPER Jon P

BULK TRUCK

452-144 DRIVER Shane K

BULK TRUCK

_____ DRIVER _____

COMMON	<u>175</u>	@ <u>16.25</u>	<u>2843.75</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>184</u>	@ <u>2.25</u>	<u>414.00</u>
MILEAGE	<u>184 x 30 x .11</u>		<u>607.20</u>
TOTAL			<u>4277.90</u>

REMARKS:

Pipe on bottom break circulation not signed

Mix 175 sks Class A 34.00 24.00 gal

Displace with Freshwater & shut in

Cement did circulate

plug down

Rig down

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>Hum 30</u>	@ <u>7.00</u>		<u>210.00</u>
MANIFOLD	@		
<u>Lvm 30</u>	@ <u>4.00</u>		<u>120.00</u>
	@		

TOTAL 1455.00

CHARGE TO: Larson Engineering LLC

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

To Allied Cementing Co., LLC.
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.

SALES TAX (If Any) _____

TOTAL CHARGES 5732.90

7% 28% 1759.95

DISCOUNT _____ IF PAID IN 30 DAYS

3973.85

PRINTED NAME X LEWAYNE TRESNER

SIGNATURE X [Signature]

Thank You !!

ALLIED CEMENTING CO., LLC. 042449

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <u>3-14-12</u>	SEC. <u>8</u>	TWP. <u>19</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE <u>Melita</u>		WELL# <u>1-8</u>		LOCATION <u>5 west of Dighton KS 5 South on</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>Grage RD, East into</u>			

CONTRACTOR H D Drilling #3
 TYPE OF JOB Rotary Plug
 HOLE SIZE 12 1/2 T.D. 4650
 CASING SIZE 8 5/8 DEPTH 262
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 2150
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. All
 PERFS.
 DISPLACEMENT Freshwater / Rig Mud
 EQUIPMENT

OWNER Larson Engineering Inc
 CEMENT
 AMOUNT ORDERED 280 sx 60/100
4 bags, 1/4 Flt - Seal

PUMP TRUCK CEMENTER Shane K
 # 398 HELPER Jon P
 BULK TRUCK
 # 341 DRIVER Kevin W.
 BULK TRUCK
 # DRIVER

COMMON <u>168</u>	@	<u>16.25</u>	<u>2730.00</u>
POZMIX <u>112</u>	@	<u>8.50</u>	<u>952.00</u>
GEL <u>10</u>	@	<u>21.25</u>	<u>212.50</u>
CHLORIDE	@		
ASC	@		
Flt - Seal <u>60 lbs</u>	@	<u>2.70</u>	<u>162.00</u>
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>292</u>	@	<u>2.25</u>	<u>657.00</u>
MILEAGE <u>292 x 30 x .11</u>			<u>963.00</u>
TOTAL			<u>5.677.00</u>

REMARKS:

Arrived on location, held safety meeting.
Rigged up, 1st Plug ran 50sx, 2nd Plug ran
50 sx, 3rd Plug ran 50sx, 4th Plug ran
50sx, 5th Plug ran 20sx, Rathole ran
30sx. Rigged down, Left location

SERVICE

DEPTH OF JOB <u>2190</u>			
PUMP TRUCK CHARGE		<u>1250.00</u>	
EXTRA FOOTAGE	@		
MILEAGE <u>Hum 30</u>	@	<u>7.00</u>	<u>210.00</u>
MANIFOLD	@		
<u>Hum 30</u>	@	<u>4.00</u>	<u>120.00</u>
	@		
TOTAL			<u>1580.00</u>

CHARGE TO: Larson Engineering Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
TOTAL			_____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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.

SALES TAX (If Any) _____
 TOTAL CHARGES 7.257.10
 70% 200 DISCOUNT 2.098.22 IF PAID IN 30 DAYS
5.158.88

PRINTED NAME LEWYNE TRESNER
 SIGNATURE Lewayne Tresner

Robert C. Lewellyn

Consulting Petroleum Geologist

P. O. Box 375
Kechi, Kansas 67067-0375
316-518-0495
boblewellyn@yahoo.com

GEOLOGICAL REPORT

Larson Engineering, Inc.

No. 1-8 Melita
629' FSL & 1405' FEL Sec. 8-19S-29W
Lane County, Kansas

CONTRACTOR: HD Drilling, LLC Rig 3
SPUDED: February 29, 2012
DRILLING COMPLETED: March 14, 2012
SURFACE CASING: 8 5/8" @ 262 KBM/175 sx.
ELECTRIC LOGS: DIL CNL/CDL MEL
ELEVATIONS: 2844 KB 2837 GL

FORMATION TOPS: (Electric Log)

Anhydrite	2167 (+ 677)
Base Anhydrite	2196 (+ 648)
Heebner Shale	3928 (-1064)
Lansing-Kansas City Group	3969 (-1125)
Muncie Creek Shale	4150 (-1306)
Stark Shale	4253 (-1409)
Hushpuckney Shale	4291 (-1447)
Base Kansas City	4334 (-1490)
Marmaton	4367 (-1523)
Altamont	4387 (-1543)
Pawnee	4449 (-1605)
Myrick Station	4771 (-1627)
Fort Scott	4496 (-1652)
Cherokee	4519 (-1675)
Mississippian	4588 (-1744)
Electric Log Total Depth	4652 (-1809)

Samples were examined microscopically from 3800 to Rotary Total Depth. Samples were examined wet and dry and samples from potentially productive zones were viewed under a fluoroscope and checked for oil cut. Following is a description of zones of interest, Drill Stem Tests, etc. For a complete lithologic description of all formations refer to the sample log in the back pages of this report.

Drill Stem Tests have been corrected downhole two feet to correlate with Electric Log measurements.

Lansing-Kansas City Zones:

3969-3975 (A Zone)

Limestone, cream to buff, some tan, dense to finely crystalline and partly chalky, fossiliferous in part, slightly oolitic, very poor intercrystalline porosity, trace of poor interoolitic porosity, no show of oil.

4007-4015 (B Zone)

Limestone, cream to buff, some tan, dense to finely crystalline and partly chalky, trace of oolitic, slightly fossiliferous, trace of very poor intercrystalline porosity, no show of oil, trace of scattered chert, white to light gray, fresh, opaque.

4028-4056 (C/D Zone)

Limestone, cream, chalky with dense to finely crystalline, partly fossiliferous, zone is mostly tight with no shows of oil. Some scattered chert as above.

4058-4973 (E Zone)

Limestone, cream to buff, some brown, dense to finely crystalline, some tan lithographic lime and some cream chalky limestone, zone is mostly tight with a trace of dead stain, some white to light gray fresh chert, no show of live oil.

4080-4093 (F Zone)

Limestone, buff, dense to finely crystalline and partly fossiliferous, trace of very poor intercrystalline and interfossil porosity, scattered traces of dead stain with some gilsonite, no show of live oil.

4095-4098 (G Zone)

Limestone, cream to buff, fine to medium crystalline and partly oolitic, poor oolitic and interoolitic porosity, no show of oil. Lower portion of section is mostly cream chalky and dense limestone, mostly tight with no shows of oil

4165-4174 (H Zone)

Limestone, cream to buff, some tan, dense to finely crystalline and chalky, very poor intercrystalline porosity, rare trace of very poor spotted stain, some dead stain, very slight show of free oil, faint fleeting odor, no fluorescence, very poor cut, zone warrants no further evaluation.

4203-4210 (I Zone)

Limestone, buff, some tan, dense to finely crystalline, some sucrosic, slightly fossiliferous, scattered poor to fair vugular and intercrystalline porosity, some poor interfossil porosity, poor to fair spotted stain, some dead stain, fair to good odor, poor fluorescence, poor to fair cut, some scattered chert, white to light gray, fresh, opaque.

Drill Stem Test No. 1 4184-4214

5-15-30-30; blow off bottom of bucket in four minutes, no blowback; blow off bottom of bucket on second flow in four minutes, no blowback. Recovered 896 feet of saltwater (100% saltwater). ISIP 907# FSIP 907# IFP 34-134# FFP 130-427# IHP 2134# FHP 2090# BHT 126 degrees F.

4231-4236 (J Zone)

Limestone, buff, some tan, dense to finely crystalline and partly oolitic, some poor to fair oolitic, interoolitic, and small vug porosity, fair spotted stain, fair to good show of free oil, faint odor, fair fluorescence, fair to good cut.

Drill Stem Test No. 2 4222-4237

5-15-15-30; weak surface blow died in four minutes on first flow period, no blowback; blow did not return on second flow period. Recovered five feet of mud. ISIP 17# FSIP 17# IFP 14-15# FFP 15-15# IHP 2163# FHP 2128# BHT 108 degrees F.

4261-4267 (K Zone)

Limestone, buff to tan, trace of gray, dense to finely crystalline and partly fossiliferous, interval is mostly tight with no shows of oil. Lower portion of zone has trace of poor vugular porosity with scattered dead stain, no show of live oil.

Middle Creek Zone (4293-4298)

Limestone, buff to tan, some brown, dense to finely crystalline and slightly fossiliferous, scattered poor intercrystalline porosity, trace of scattered poor spotted stain, very slight show of free oil, fair odor, poor fluorescence, poor cut.

Drill Stem Test No. 3 4285-4296

5-15-15-30; weak surface blow, died in two minutes, no blowback; blow did not return on second flow period. Recovered five feet of mud. ISIP 25# FSIP 186# IFP 13-14# FFP 14-15# IHP 2174# FHP 2129# BHT 114 degrees F.

4302-4307 (L Zone)

Limestone, buff to tan, some brown, dense to finely crystalline, slightly fossiliferous, some scattered poor to fair small vug and intercrystalline porosity, poor spotted stain, very slight show of free oil, faint fleeting odor, poor fluorescence, poor cut.

Drill Stem Test No. 4 4294-4305

5-15-15-30; weak surface blow throughout first flow period, no blowback; blow did not return on second flow. Recovered five feet of mud with oil spots. ISIP 38# FSIP 42# IFP 16-17# FFP 17-18# IHP 2176# FHP 2238# BHT 107 degrees F.

4307-4314 (L Zone)

Limestone, buff to tan and brown, dense to finely crystalline, some slightly oolitic, scattered small vug and intercrystalline porosity, poor to fair spotted stain, slight show of free oil, faint to fair odor, poor to

fair fluorescence, fair cut, some gray oolitic limestone with black oolites.

Drill Stem Test No. 5 4304-4314 Misrun, packer failure, recovered 200 feet of mud.

Drill Stem Test No. 6 4286-4314

5-15-15-30; weak surface blow throughout first flow period, no blowback; blow did not return on second flow. Recovered five feet of mud. ISIP 59# FSIP 204# IFP 16-17# FFP 17-17# IHP 2191# FHP 2165# BHT 114 degrees F.

4314-4334 (Lower L Zone)

Limestone, buff to tan and gray, dense to finely crystalline, some gray oolitic with black oolites, some dense-oolitic limestone, some scattered pyrite, interval is mostly tight with trace of very poor small vug porosity, no show of oil.

4334-4367 (Pleasanton Zone)

This interval consisted of limestone, cream to buff, dense to finely crystalline and chalky, mostly tight with a trace of very poor vugular and intercrystalline porosity, trace of very poor spotted stain with some scattered dead stain, no free oil, no odor, no fluorescence, no cut.

4367-4387 (Marmaton Zones)

Limestone, buff to tan and brown, dense to finely crystalline, some scattered oolitic, partly fossiliferous, poor scattered vugular and interfossil porosity, poor spotted stain, very slight show of free oil, faint odor, poor fluorescence, poor cut.

4406-4410 (Altamont "A" Zone)

Limestone, cream to buff, finely crystalline and fossiliferous, some scattered chalky, poor to fair intercrystalline and interfossil porosity, some poor vugular porosity, poor to fair spotted stain, very slight show of free oil, fair odor, fair fluorescence, poor to fair cut

Drill Stem Test No. 7 4322-4442

5-15-30-60; built to one inch blow on first flow period, no blowback; built to 1 1/8th inch blow on second flow period, no blowback. Recovered 80 feet of mud with oil spots. ISIP 1107# FSIP 951# IFP 70-81# FFP 82-115# IHP 2209# FHP 2184# BHT 116 degrees F.

4449-4470 (Pawnee Zone)

Limestone, cream, some buff to tan, dense to finely crystalline, slightly fossiliferous, poor intercrystalline porosity, rare trace of poor spotted stain, very slight show of free oil, faint to fair odor, poor fluorescence, poor cut.

4471-4492 (Myrick Station Zone)

Limestone, buff to tan and brown, dense to finely crystalline, some scattered medium crystalline, scattered poor intercrystalline porosity, poor spotted stain, fair show of straw colored free oil, faint odor, poor fluorescence, poor cut, porosity zone is thin.

4496-4519 (Fort Scott Zone)

Limestone, buff to tan, dense to finely crystalline and fossiliferous, scattered oolitic and dense oolitic, poor vugular and intercrystalline porosity, poor to fair spotted stain, show of free oil, faint to fair odor, poor fluorescence, poor cut.

Drill Stem Test No. 8 4445-4542

5-15-30-60; blow off bottom of bucket in 30 seconds, built to three inch blowback; built to 3 1/8" blow, no blowback. Recovered 2230 feet of mud. ISIP 1300# FSIP 1365# IFP 935-946# FFP 939-956# IHP 2262# FHP 2215# BHT 113 degrees F. This drill stem test was a misrun because of a hole in the drill pipe.

Drill Stem Test No. 9 4420-4542

5-15-30-60; built to one inch blow on first flow, no blowback; built to 1 1/4" blow on second flow, no blowback. Recovered 60 feet of mud. ISIP 1160# FSIP 1104# IFP 67-73# FFP 77-100# IHP 2284# FHP 2200# BHT 114 degrees F.

4551-4577 (Johnson Zone)

Limestone, buff to tan to brown, dense to finely crystalline, fossiliferous, scattered poor to fair intercrystalline porosity, some poor vugular porosity, poor to fair spotted stain, show of free oil, fair to good odor; poor to fair fluorescence, fair cut.

Drill Stem Test No. 10 4508-4577

15-30-15-30; weak surface blow throughout first flow period, no blowback; blow did not return on second flow period. Recovered five feet of mud. ISIP 247# FSIP 72# IFP 17-19# FFP 20-21# IHP 2213# FHP 2171# BHT 110 degrees F.

4588-4614 (Mississippi Lime Zones)

Limestone, cream to buff, some tan, dense to finely crystalline, some chalky, brittle, soft in part, zone is mostly tight with no shows of oil.

4614-4652 (Mississippi Dolomite Zone)

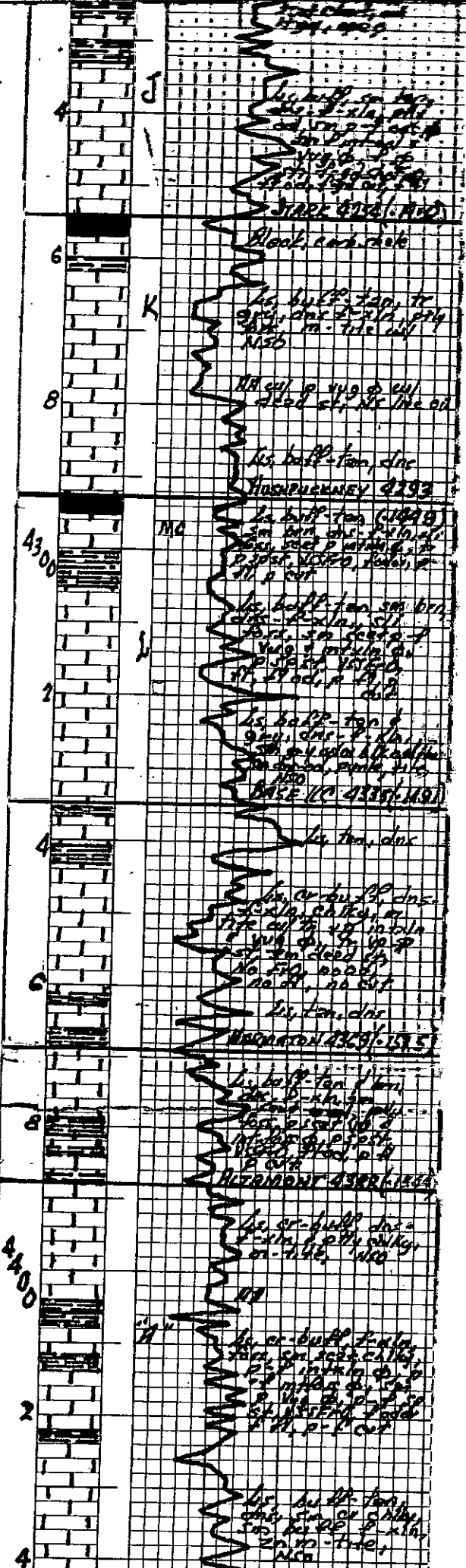
Dolomite, buff to tan, fine to medium crystalline, partly fossiliferous, scattered poor to fair intercrystalline porosity, no show of oil.

4652 Electric Log Total Depth

Conclusions and Recommendations:

Sample examination, drill stem testing, and electric logging failed to reveal any zones of possible commercial production of oil or gas. The decision was made, therefore, to plug and abandon the No. 1-8 Melita.

Robert C. Lewellyn
Petroleum Geologist

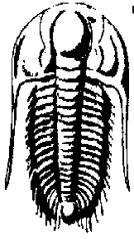


4
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4300
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45116

DST#: 1

ATTN: Bob Lew ellyn

Test Start: 2012.03.06 @ 10:53:15

GENERAL INFORMATION:

Formation: **"J"**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **13:06:30** Tester: **Mike Roberts**
 Time Test Ended: **16:52:15** Unit No: **48**
Interval: 4182.00 ft (KB) To 4212.00 ft (KB) (TVD) Reference Elevations: **2844.00 ft (KB)**
 Total Depth: **4212.00 ft (KB) (TVD)** **2837.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

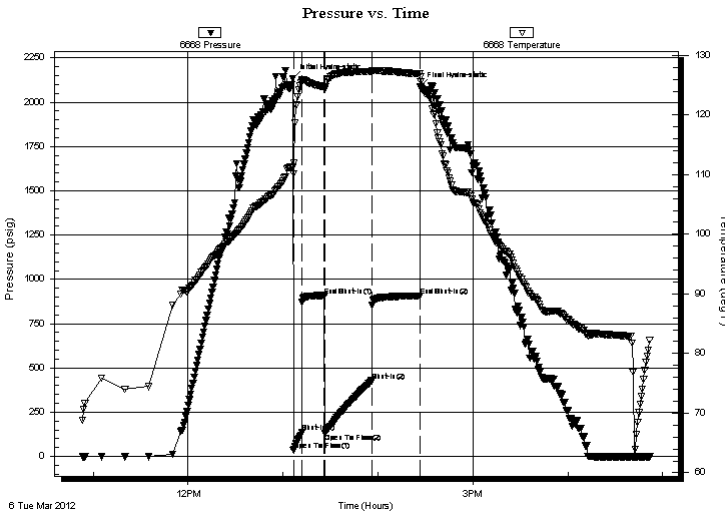
Serial #: 6668

Outside

Press @ Run Depth: **427.71 psig @ 4183.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.03.06** End Date: **2012.03.06** Last Calib.: **2012.03.06**
 Start Time: **10:53:15** End Time: **16:52:15** Time On Btm: **2012.03.06 @ 13:06:15**
 Time Off Btm: **2012.03.06 @ 14:26:45**

TEST COMMENT: IF:BOB in 4 min.
 IS:No return blow
 FF:BOB in 4 min.
 FS:No return blow

PRESSURE SUMMARY



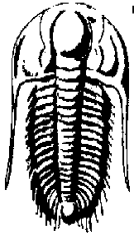
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.04	111.23	Initial Hydro-static
1	34.86	110.15	Open To Flow (1)
6	134.69	125.58	Shut-In(1)
20	907.71	124.68	End Shut-In(1)
20	130.25	124.27	Open To Flow (2)
50	427.71	127.26	Shut-In(2)
80	907.27	126.91	End Shut-In(2)
81	2090.03	126.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
896.00	sw 100% sw	11.18

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45116

DST#: 1

ATTN: Bob Lew ellyn

Test Start: 2012.03.06 @ 10:53:15

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:

24000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
896.00	sw 100% sw	11.184

Total Length: 896.00 ft Total Volume: 11.184 bbl

Num Fluid Samples: 0

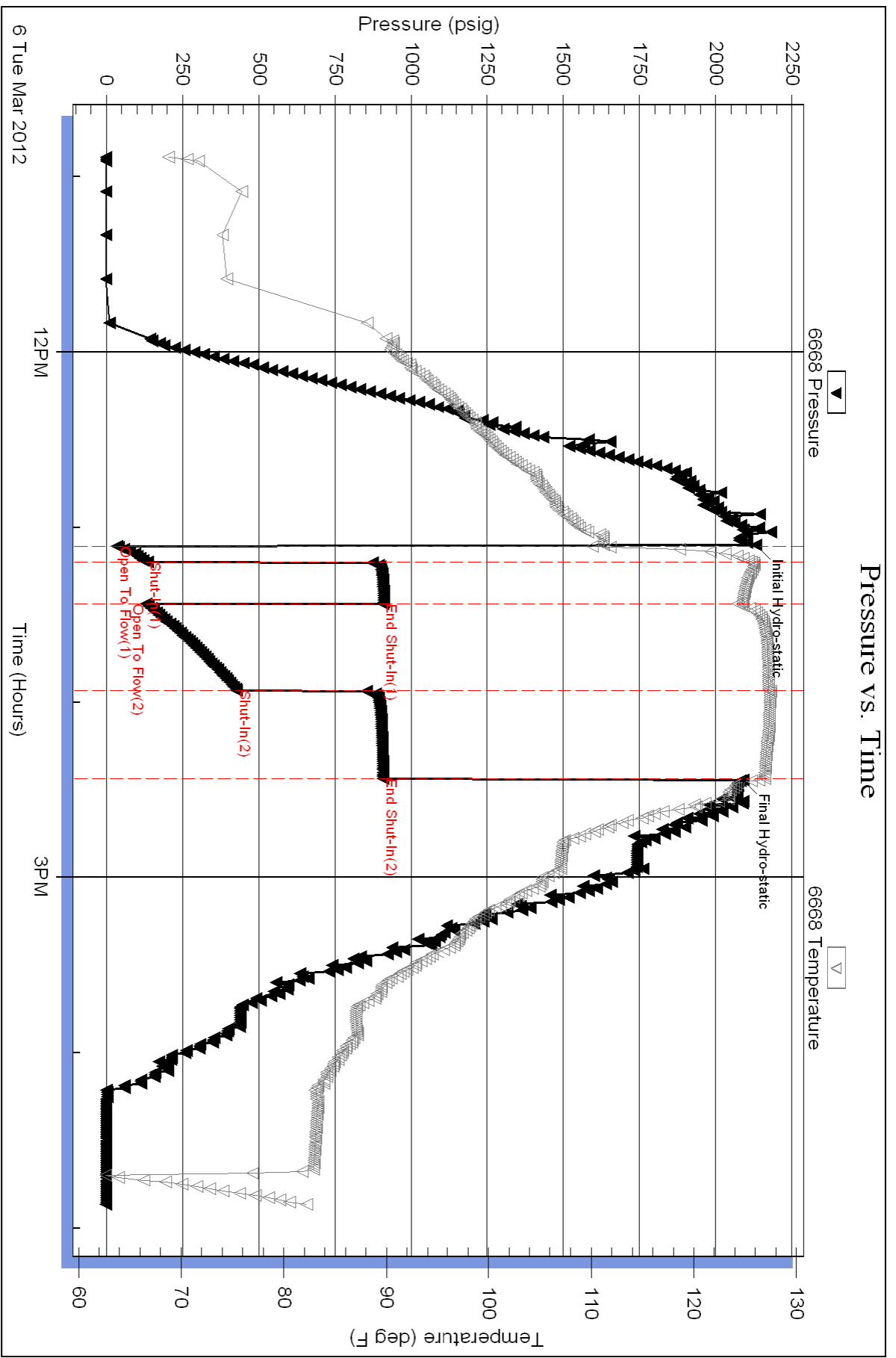
Num Gas Bombs: 0

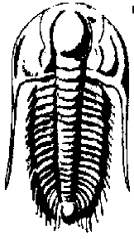
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .275@82.2*=24,000 ppm





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45117

DST#: 2

ATTN: Bob Lew ellyn

Test Start: 2012.03.06 @ 03:09:15

GENERAL INFORMATION:

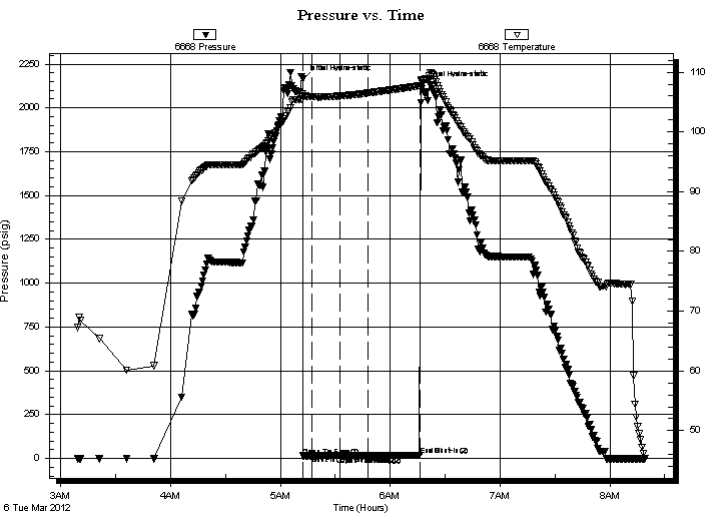
Formation: **"J"**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: **05:12:30** Tester: **Mike Roberts**
 Time Test Ended: **08:19:30** Unit No: **48**
Interval: 4220.00 ft (KB) To 4235.00 ft (KB) (TVD) Reference Elevations: **2844.00 ft (KB)**
 Total Depth: **4235.00 ft (KB) (TVD)** **2837.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

Serial #: 6668

Outside

Press @ RunDepth: **15.31 psig @ 4221.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.03.06** End Date: **2012.03.06** Last Calib.: **2012.03.07**
 Start Time: **03:09:15** End Time: **08:19:30** Time On Btm: **2012.03.06 @ 05:12:15**
 Time Off Btm: **2012.03.06 @ 06:17:00**

TEST COMMENT: IF:Weak surface blow that died in 4 min.
 IS:No return blow
 FF:No blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.42	106.40	Initial Hydro-static
1	14.79	105.86	Open To Flow (1)
5	15.82	105.88	Shut-In(1)
20	17.66	105.99	End Shut-In(1)
21	15.46	106.00	Open To Flow (2)
36	15.31	106.50	Shut-In(2)
64	17.27	107.73	End Shut-In(2)
65	2128.69	108.73	Final Hydro-static

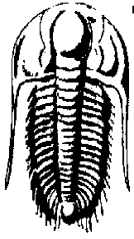
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45117

DST#: 2

ATTN: Bob Lew ellyn

Test Start: 2012.03.06 @ 03:09:15

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:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

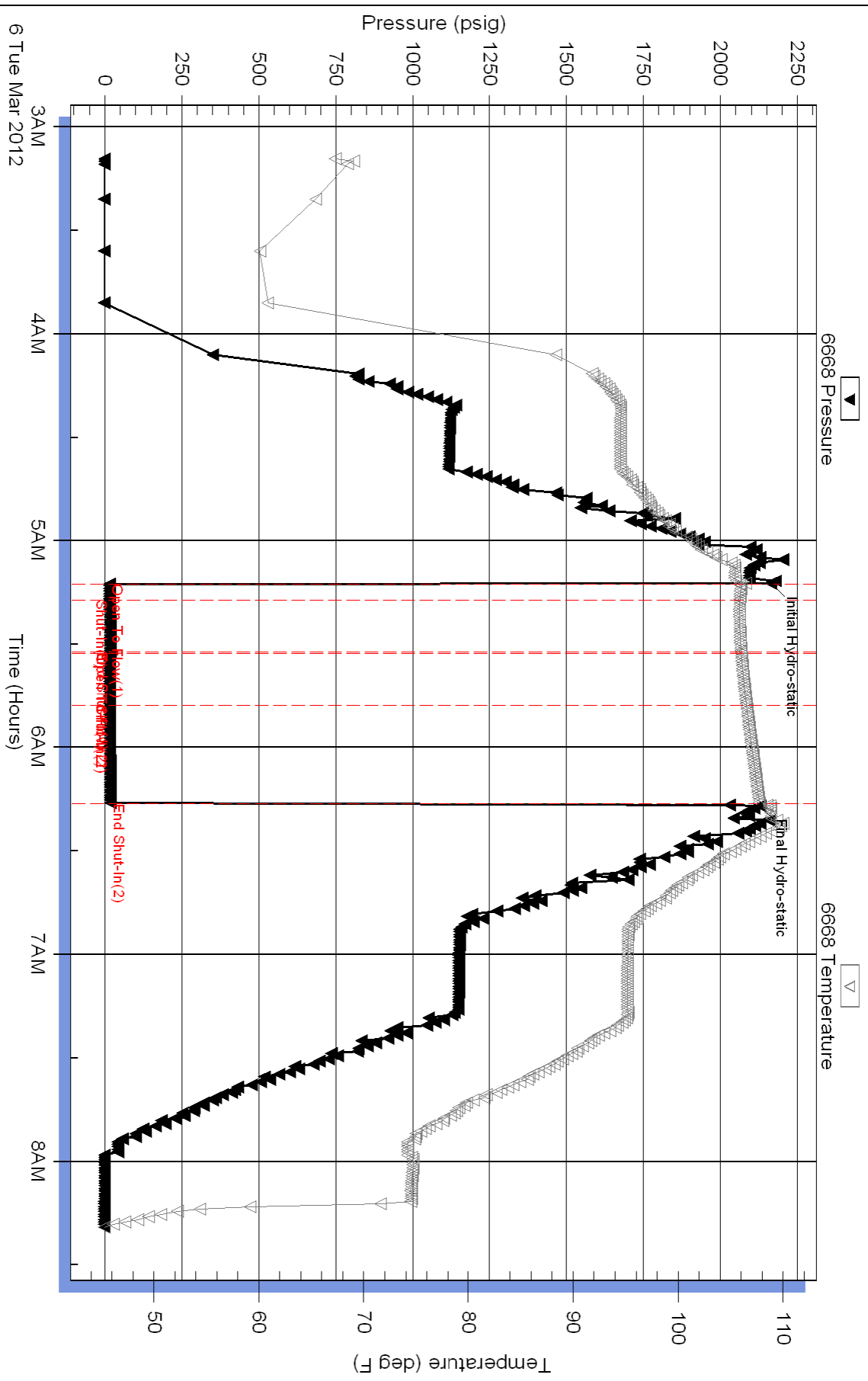
Serial #:

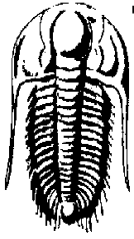
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45118

DST#: 3

ATTN: Bob Lew ellyn

Test Start: 2012.03.07 @ 22:33:15

GENERAL INFORMATION:

Formation: **Middle Creek**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:49:45

Time Test Ended: 04:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 4283.00 ft (KB) To 4294.00 ft (KB) (TVD)

Reference Elevations: 2844.00 ft (KB)

Total Depth: 4294.00 ft (KB) (TVD)

2837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6668 Outside

Press @ RunDepth: 15.86 psig @ 4284.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.07

End Date:

2012.03.08

Last Calib.:

2012.03.08

Start Time:

22:33:15

End Time:

04:01:00

Time On Btm:

2012.03.08 @ 00:49:30

Time Off Btm:

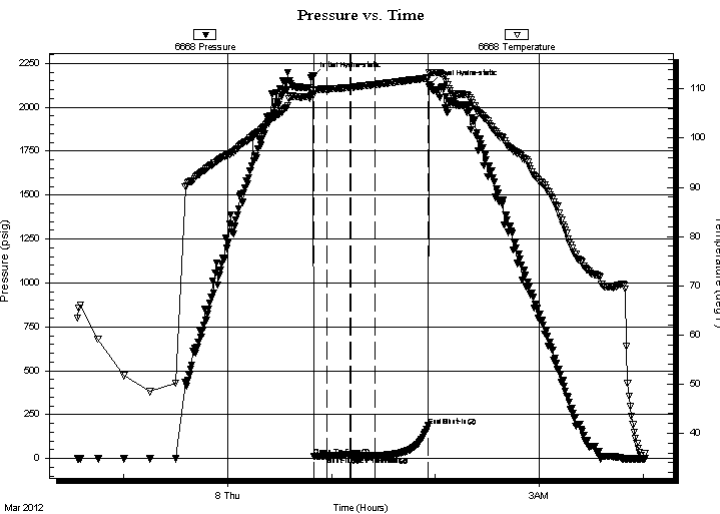
2012.03.08 @ 01:56:45

TEST COMMENT: IF:Weak surface blow died in 2 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.24	109.63	Initial Hydro-static
1	13.71	108.86	Open To Flow (1)
8	14.54	109.96	Shut-In(1)
22	25.57	110.32	End Shut-In(1)
22	14.43	110.34	Open To Flow (2)
36	15.86	110.89	Shut-In(2)
67	186.31	112.22	End Shut-In(2)
68	2129.09	113.35	Final Hydro-static

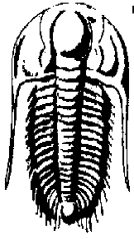
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45118

DST#: 3

ATTN: Bob Lew ellyn

Test Start: 2012.03.07 @ 22:33:15

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:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

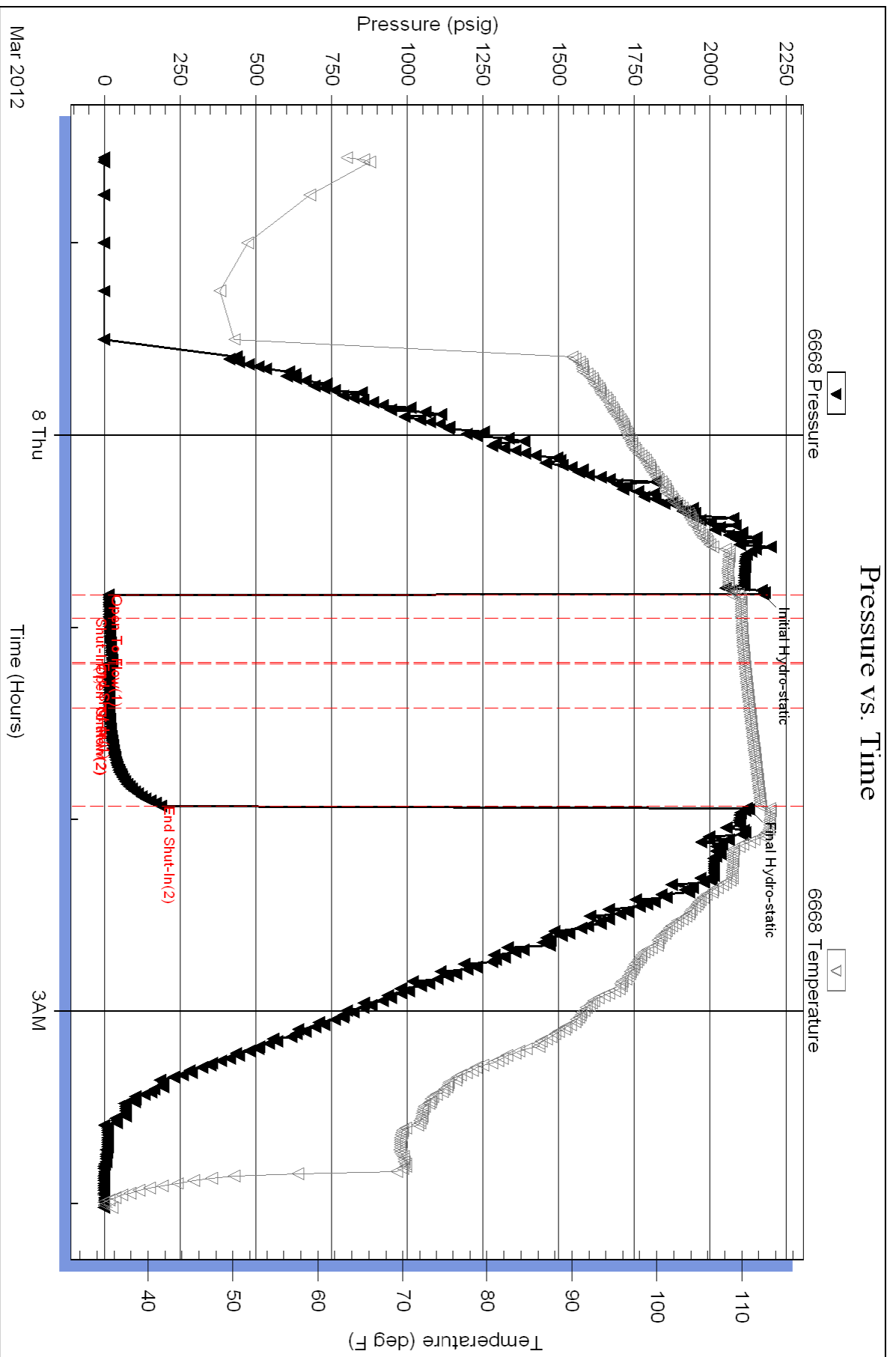
Num Gas Bombs: 0

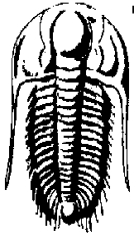
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45119

DST#: 4

ATTN: Bob Lew ellyn

Test Start: 2012.03.08 @ 12:51:15

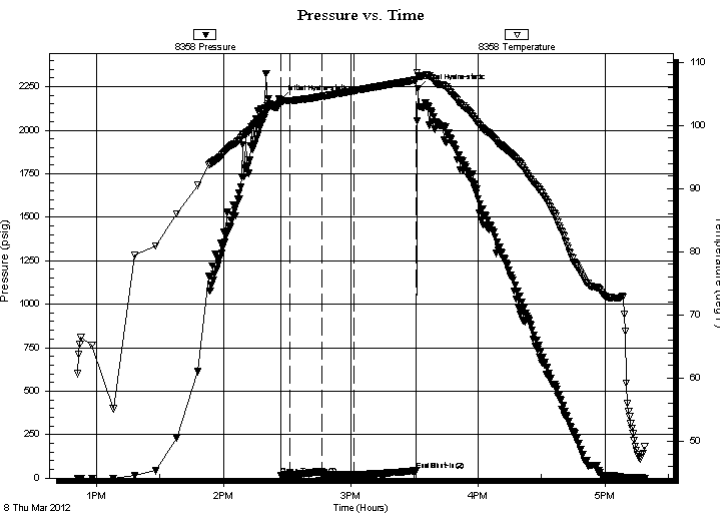
GENERAL INFORMATION:

Formation: "L"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:27:15
 Time Test Ended: 17:18:45
 Interval: **4292.00 ft (KB) To 4303.00 ft (KB) (TVD)**
 Total Depth: 4292.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 2844.00 ft (KB)
 2837.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8358

Press @ Run Depth: 18.79 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.08 End Date: 2012.03.08 Last Calib.: 2012.03.08
 Start Time: 12:51:15 End Time: 17:18:45 Time On Btm: 2012.03.08 @ 14:27:00
 Time Off Btm: 2012.03.08 @ 15:31:45

TEST COMMENT: IF:Weak surface blow
 IS:No return blow
 FF:No blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.27	103.87	Initial Hydro-static
1	16.79	103.47	Open To Flow (1)
5	17.91	103.90	Shut-In(1)
20	38.63	104.54	End Shut-In(1)
20	17.71	104.57	Open To Flow (2)
35	18.79	105.48	Shut-In(2)
64	42.52	107.17	End Shut-In(2)
65	2238.42	107.84	Final Hydro-static

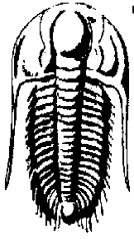
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45119

DST#: 4

ATTN: Bob Lew ellyn

Test Start: 2012.03.08 @ 12:51:15

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:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

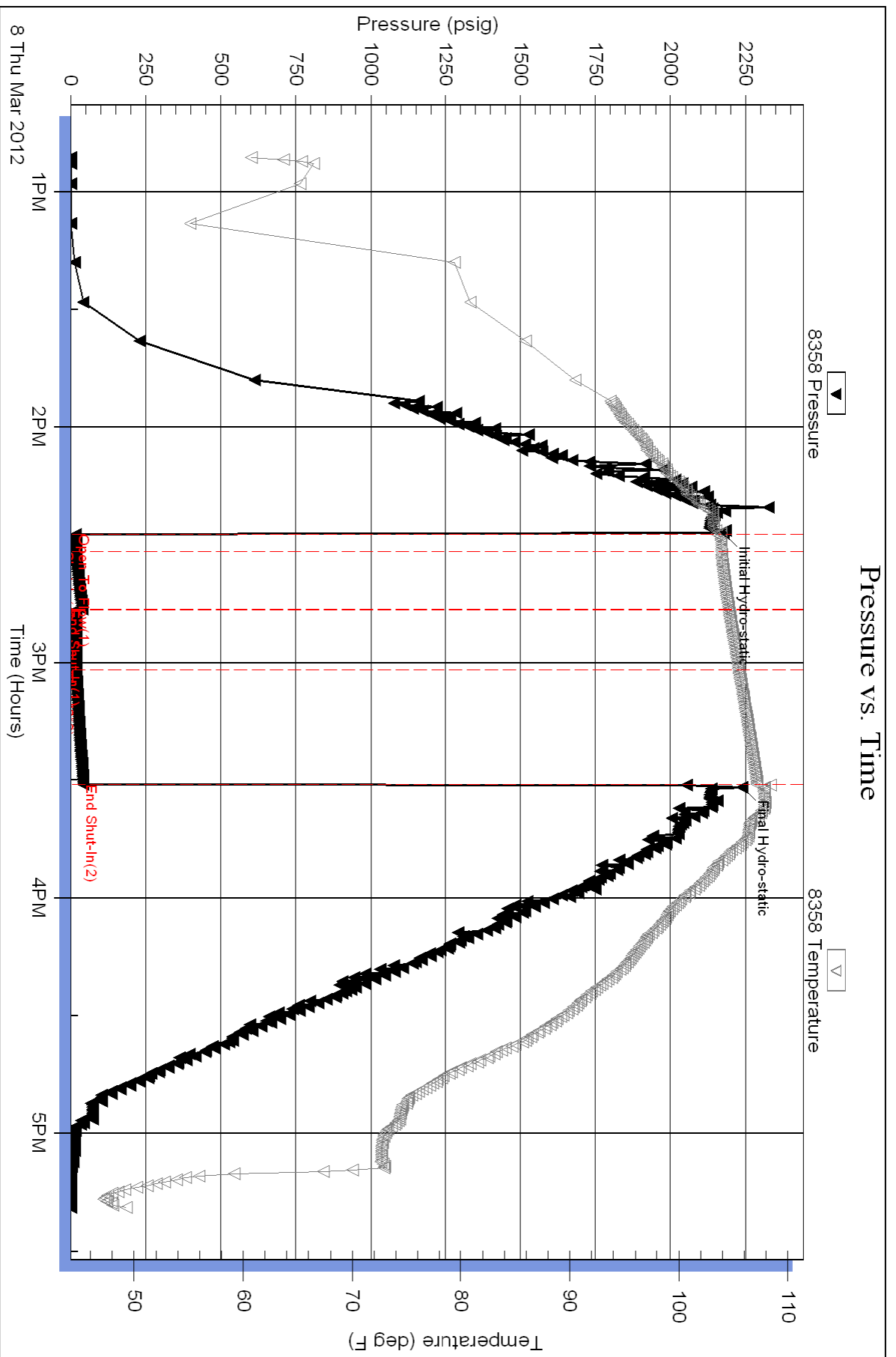
Num Gas Bombs: 0

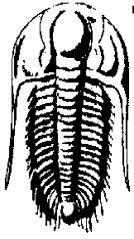
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45120

DST#: 5

ATTN: Bob Lew ellyn

Test Start: 2012.03.08 @ 02:55:00

GENERAL INFORMATION:

Formation: "L"
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened:
 Tester: Mike Roberts
 Time Test Ended: 07:38:15
 Unit No: 48
 Interval: **4302.00 ft (KB) To 4312.00 ft (KB) (TVD)**
 Reference Elevations: 2844.00 ft (KB)
 Total Depth: 4312.00 ft (KB) (TVD)
 2837.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

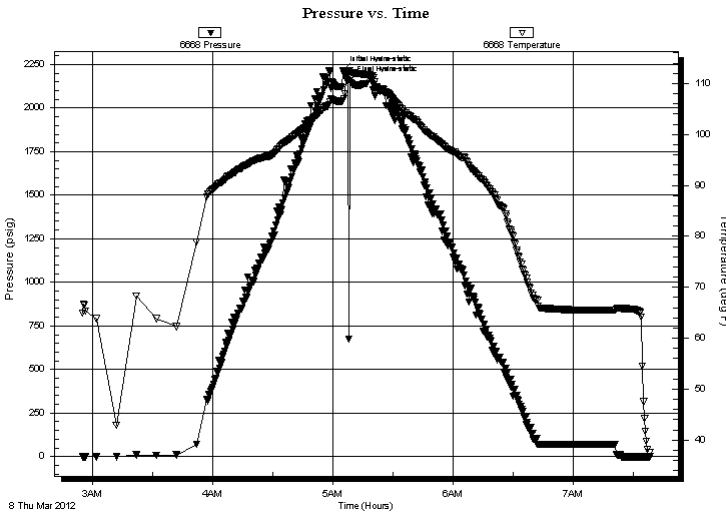
Serial #: 6668

Outside

Press @ Run Depth: psig @ 4303.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2012.03.08 End Date: 2012.03.08 Last Calib.: 2012.03.09
 Start Time: 02:55:15 End Time: 07:38:15 Time On Btm: 2012.03.08 @ 05:05:15
 Time Off Btm: 2012.03.08 @ 05:08:45

TEST COMMENT: IF: PACKER FAILURE
 IS:
 FF:
 FS:

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.12	106.58	Initial Hydro-static
4	2156.44	112.56	Final Hydro-static

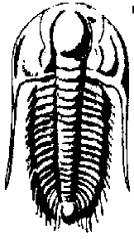
Recovery

Length (ft)	Description	Volume (bbl)
200.00	mud 100% mud	1.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45120

DST#: 5

ATTN: Bob Lew ellyn

Test Start: 2012.03.08 @ 02:55:00

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:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	mud 100% mud	1.421

Total Length: 200.00 ft Total Volume: 1.421 bbl

Num Fluid Samples: 0

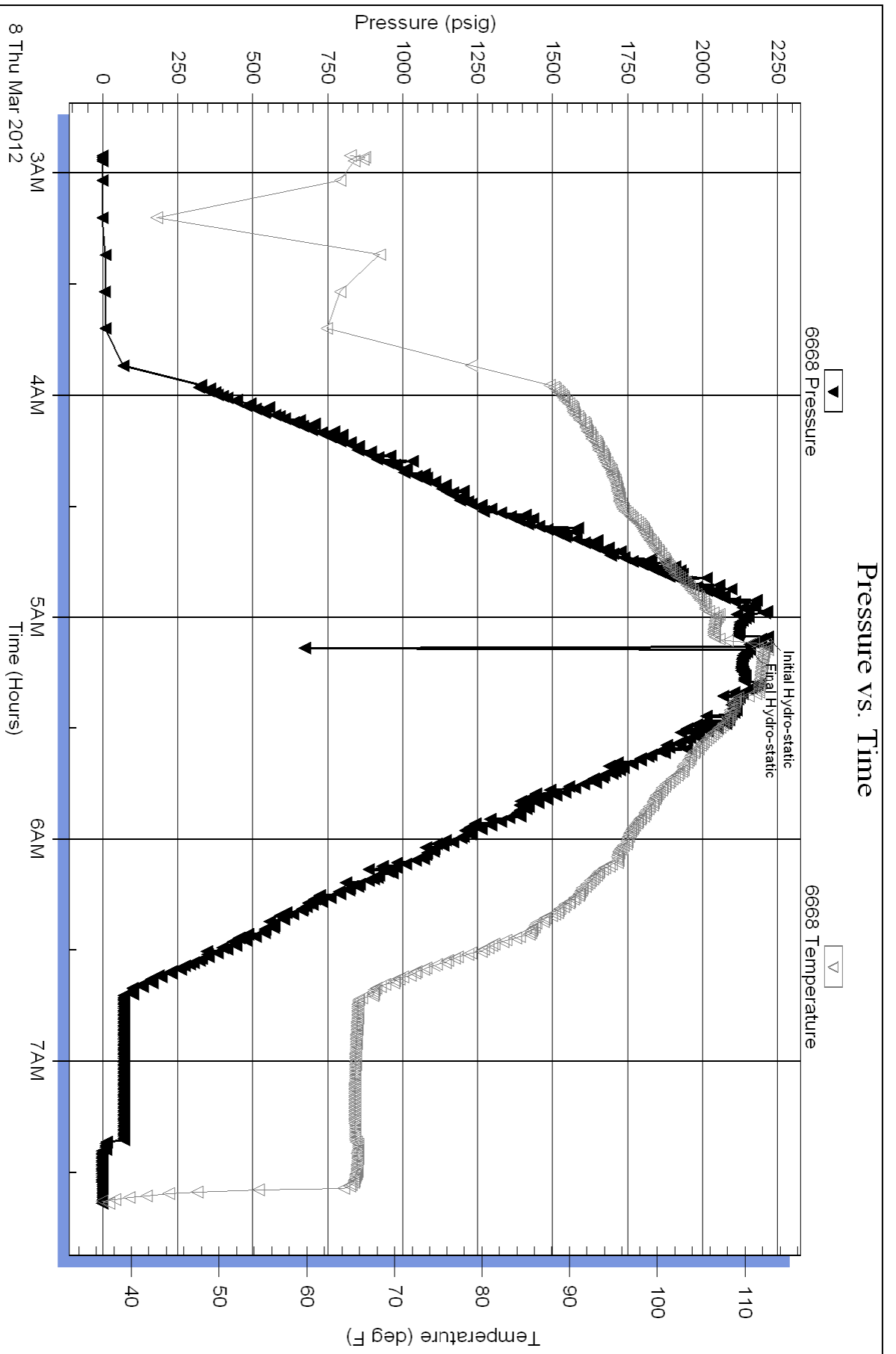
Num Gas Bombs: 0

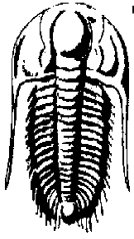
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45121

DST#: 6

ATTN: Bob Lew ellyn

Test Start: 2012.03.09 @ 08:04:15

GENERAL INFORMATION:

Formation: 'L'
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:34:30
 Time Test Ended: 12:23:45
 Interval: **4284.00 ft (KB) To 4312.00 ft (KB) (TVD)**
 Total Depth: 4312.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 2844.00 ft (KB)
 2837.00 ft (CF)
 KB to GR/CF: 7.00 ft

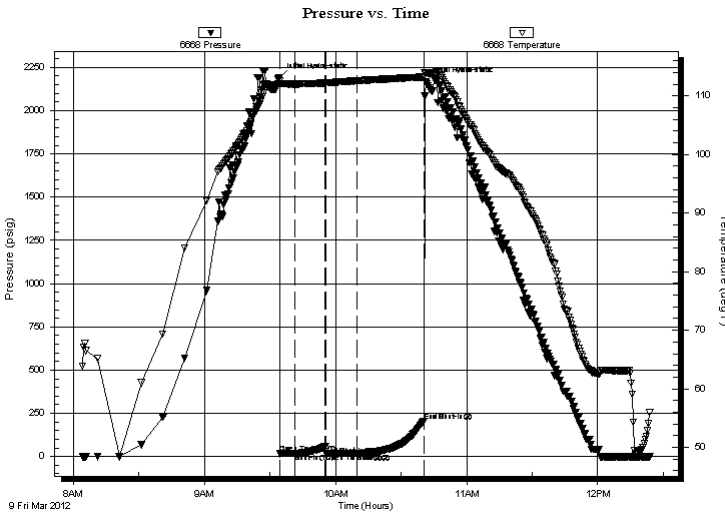
Serial #: 6668

Outside

Press @ RunDepth: 17.45 psig @ 4285.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.09 End Date: 2012.03.09 Last Calib.: 2012.03.09
 Start Time: 08:04:15 End Time: 12:23:45 Time On Btm: 2012.03.09 @ 09:34:15
 Time Off Btm: 2012.03.09 @ 10:41:15

TEST COMMENT: IF:Weak surface blow
 IS:No return blow
 FF:No blow
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.42	112.53	Initial Hydro-static
1	16.58	111.93	Open To Flow (1)
7	17.19	112.03	Shut-In(1)
21	59.60	112.21	End Shut-In(1)
22	17.00	112.22	Open To Flow (2)
36	17.45	112.62	Shut-In(2)
66	204.14	113.25	End Shut-In(2)
67	2165.59	114.00	Final Hydro-static

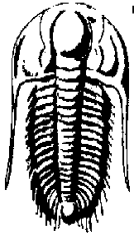
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45121

DST#: 6

ATTN: Bob Lew ellyn

Test Start: 2012.03.09 @ 08:04:15

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:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

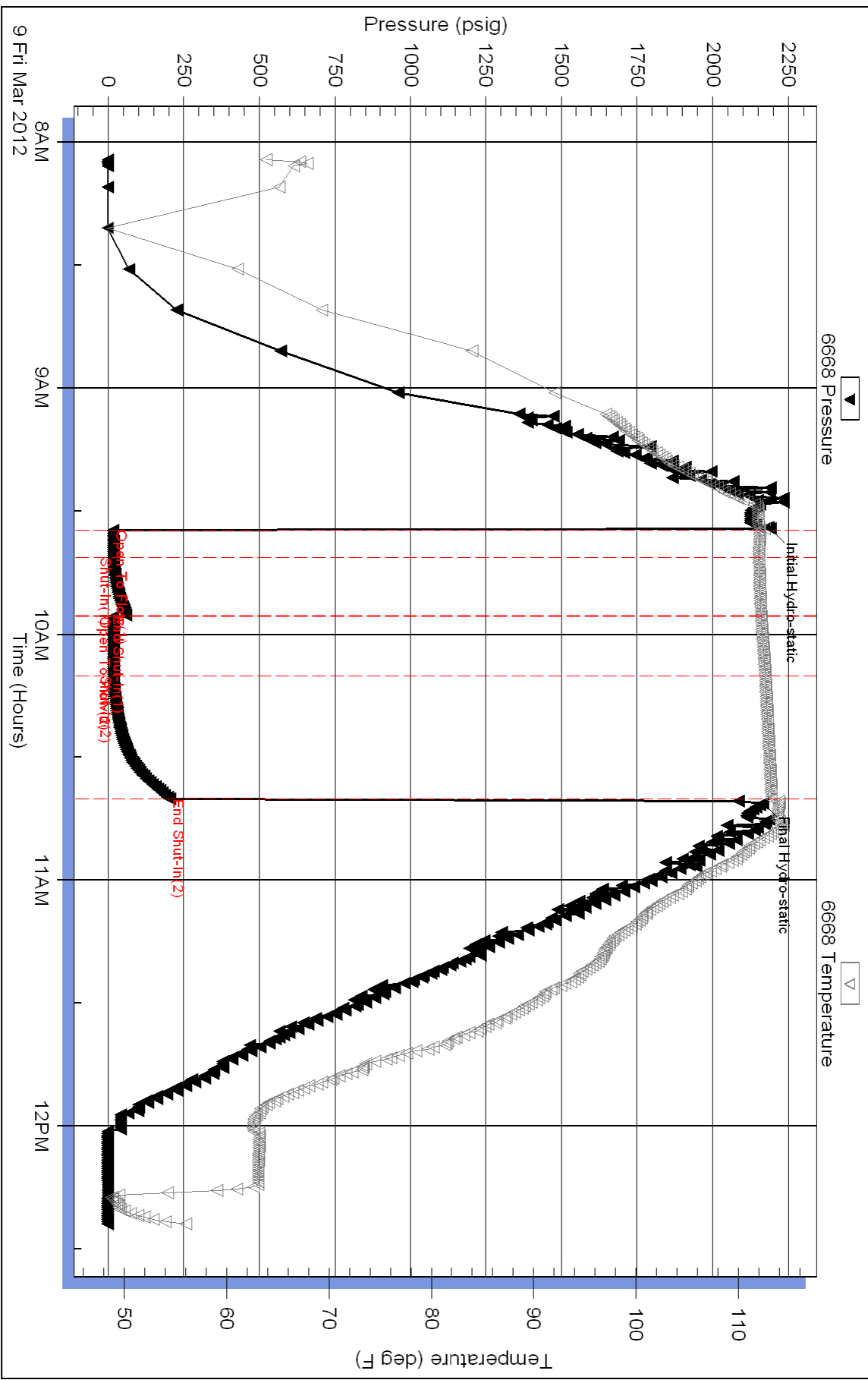
Serial #:

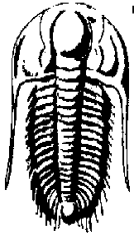
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45122

DST#: 7

ATTN: Bob Lew ellyn

Test Start: 2012.03.09 @ 09:36:00

GENERAL INFORMATION:

Formation: **Pleasanton-Marmaton-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:40:30

Time Test Ended: 15:34:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 4320.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 2844.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

2837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8358

Inside

Press @ Run Depth: 117.43 psig @ 4415.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.09

End Date:

2012.03.09

Last Calib.:

2012.03.11

Start Time: 09:36:15

End Time:

15:34:15

Time On Btm:

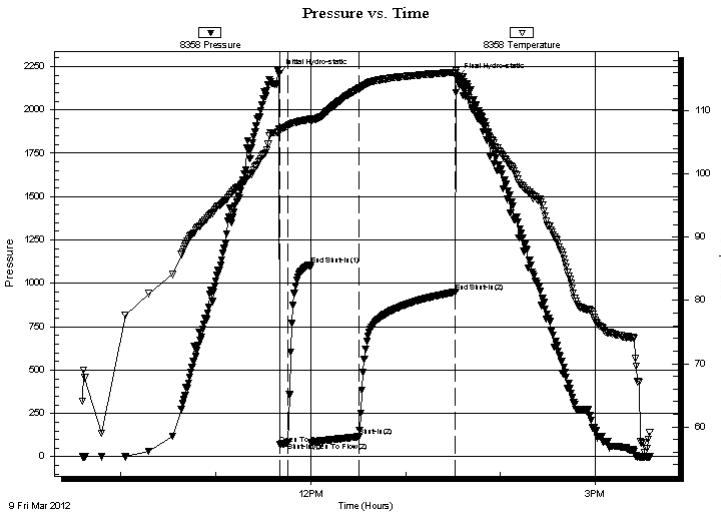
2012.03.09 @ 11:40:15

Time Off Btm:

2012.03.09 @ 13:32:15

TEST COMMENT: IF: Built to 1" blow
IS: No return blow
FF: Built to 1 1/8" blow
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.52	107.22	Initial Hydro-static
1	70.51	106.77	Open To Flow (1)
6	81.96	107.66	Shut-In(1)
20	1107.41	108.67	End Shut-In(1)
21	82.98	108.44	Open To Flow (2)
51	117.43	113.53	Shut-In(2)
112	951.27	116.11	End Shut-In(2)
112	2184.45	115.62	Final Hydro-static

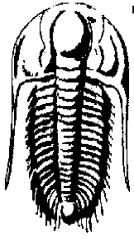
Recovery

Length (ft)	Description	Volume (bbl)
80.00	mud w ith oil spots	0.39

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45122

DST#: 7

ATTN: Bob Lew ellyn

Test Start: 2012.03.09 @ 09:36:00

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:

0 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.71 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	mud w ith oil spots	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

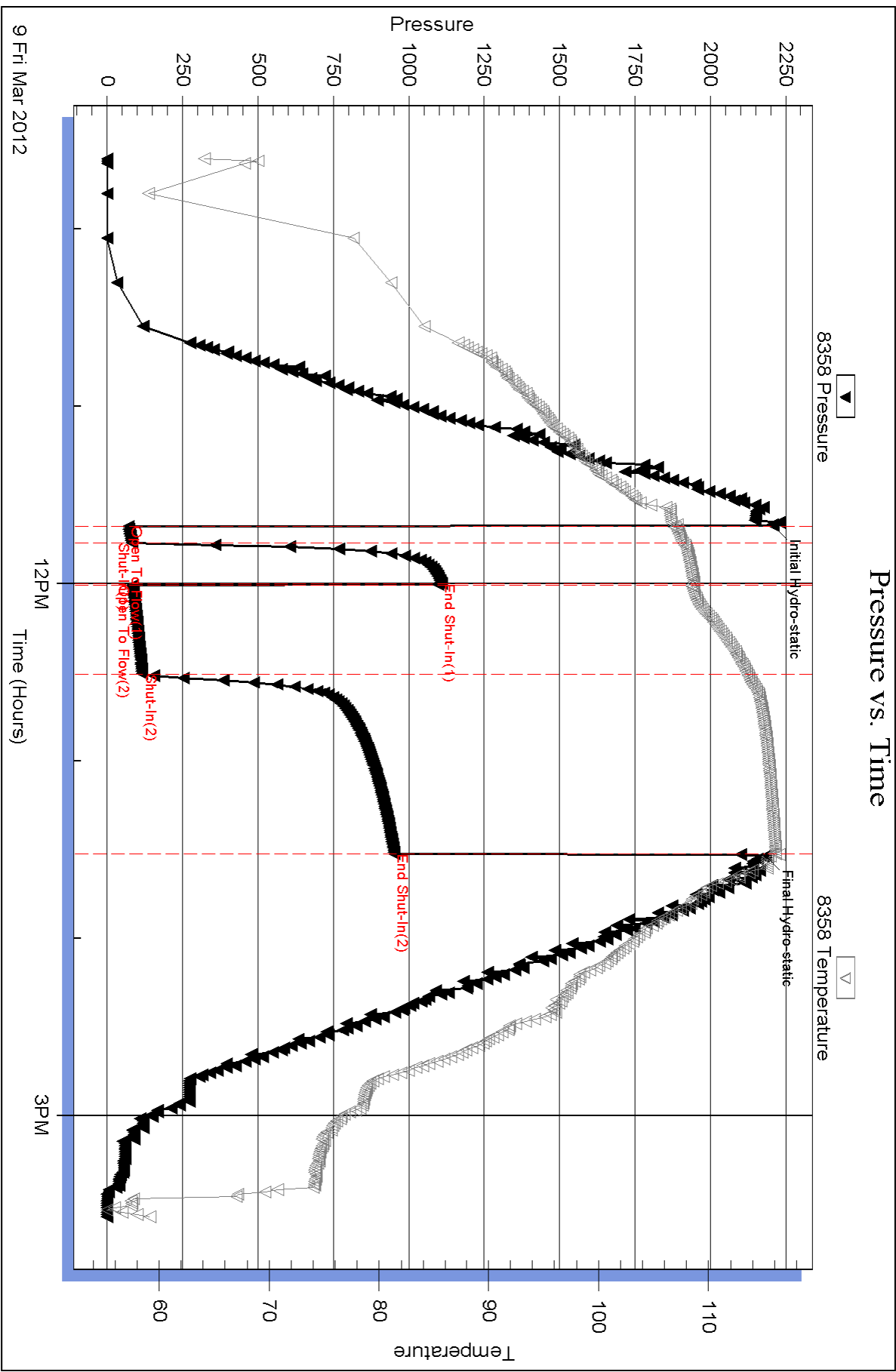
Num Gas Bombs: 0

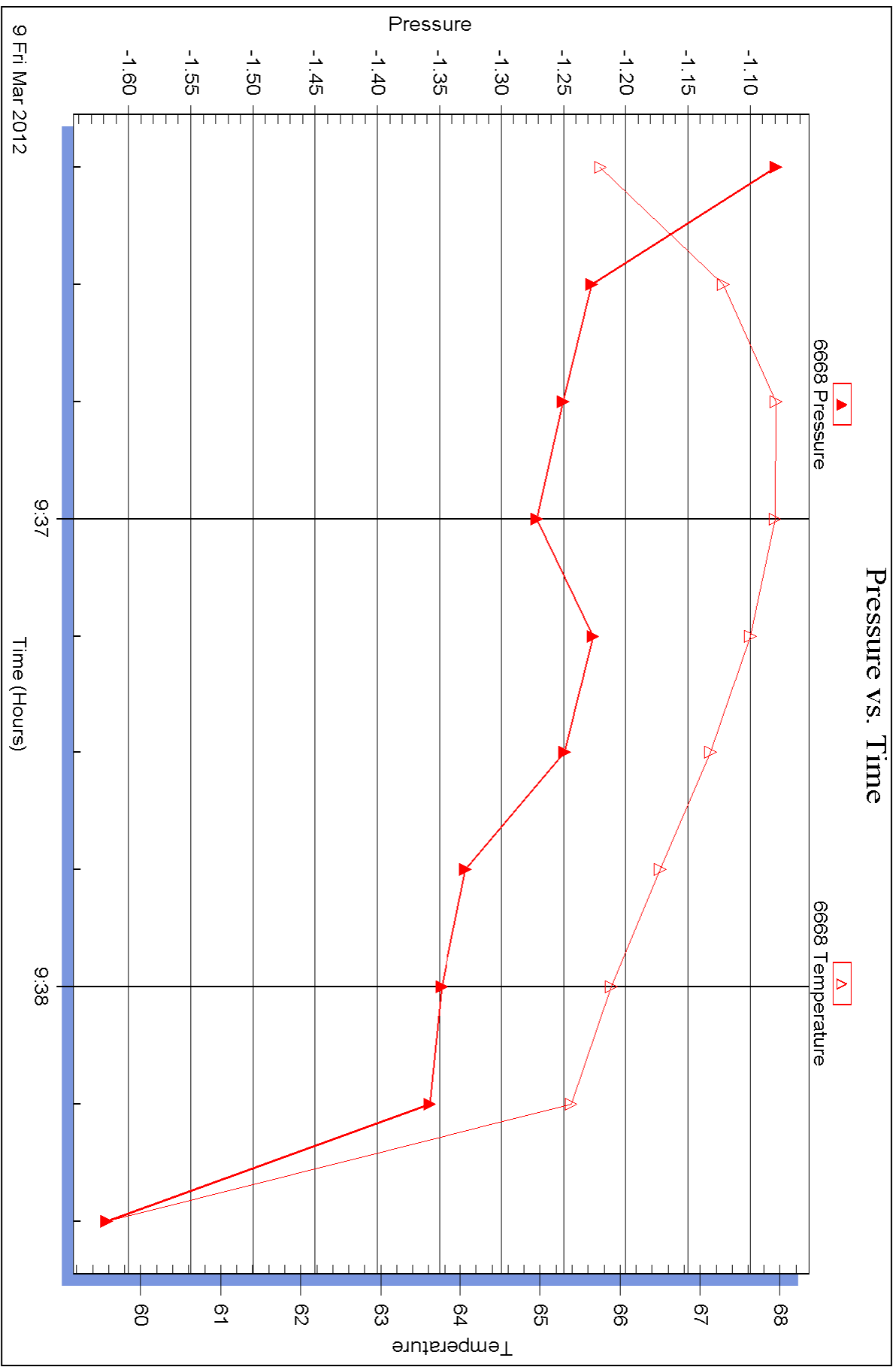
Serial #:

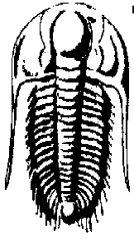
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering, Inc.
 562 West St. Rd. #4
 Olmitz Ks 67564
 ATTN: Bob Lew ellyn

8-19s-29w Lane Co KS
Melita #1-8
 Job Ticket: 45123 **DST#: 8**
 Test Start: 2012.03.10 @ 12:06:15

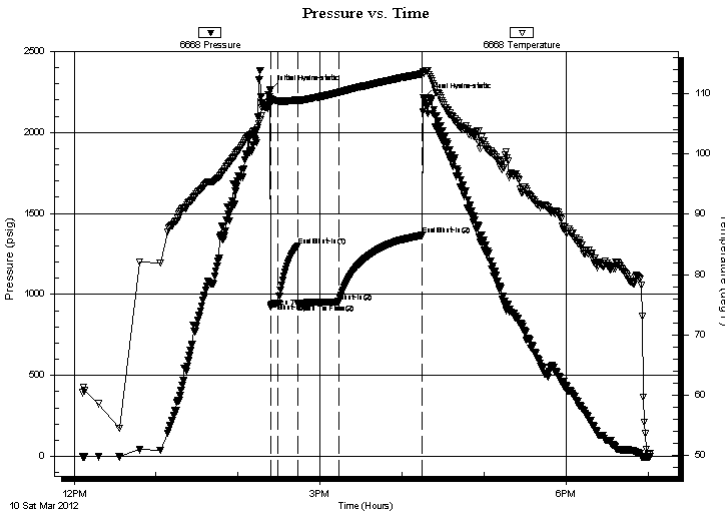
GENERAL INFORMATION:

Formation: **Pawnee Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:24:00 Tester: Mike Roberts
 Time Test Ended: 19:01:15 Unit No: 48
 Interval: **4443.00 ft (KB) To 4540.00 ft (KB) (TVD)** Reference Elevations: 2844.00 ft (KB)
 Total Depth: 4540.00 ft (KB) (TVD) 2837.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6668 Outside
 Press @ Run Depth: 955.56 psig @ 4508.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.10 End Date: 2012.03.10 Last Calib.: 2012.03.12
 Start Time: 12:06:15 End Time: 19:01:15 Time On Btm: 2012.03.10 @ 14:23:45
 Time Off Btm: 2012.03.10 @ 16:15:45

TEST COMMENT: IF:BOB in 30 seconds
 IS:Built to 3" return blow
 FF:Built to 3 1/8" blow
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.79	109.14	Initial Hydro-static
1	921.94	108.35	Open To Flow (1)
6	946.09	108.73	Shut-In(1)
20	1300.34	108.90	End Shut-In(1)
20	939.18	108.68	Open To Flow (2)
50	955.56	110.13	Shut-In(2)
111	1365.18	113.25	End Shut-In(2)
112	2215.76	113.37	Final Hydro-static

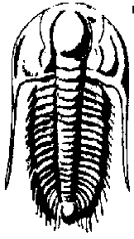
Recovery

Length (ft)	Description	Volume (bbl)
2230.00	mud 100% _m	29.90

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45123

DST#: 8

ATTN: Bob Lew ellyn

Test Start: 2012.03.10 @ 12:06:15

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:

0 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.70 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2230.00	mud 100%m	29.896

Total Length: 2230.00 ft Total Volume: 29.896 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

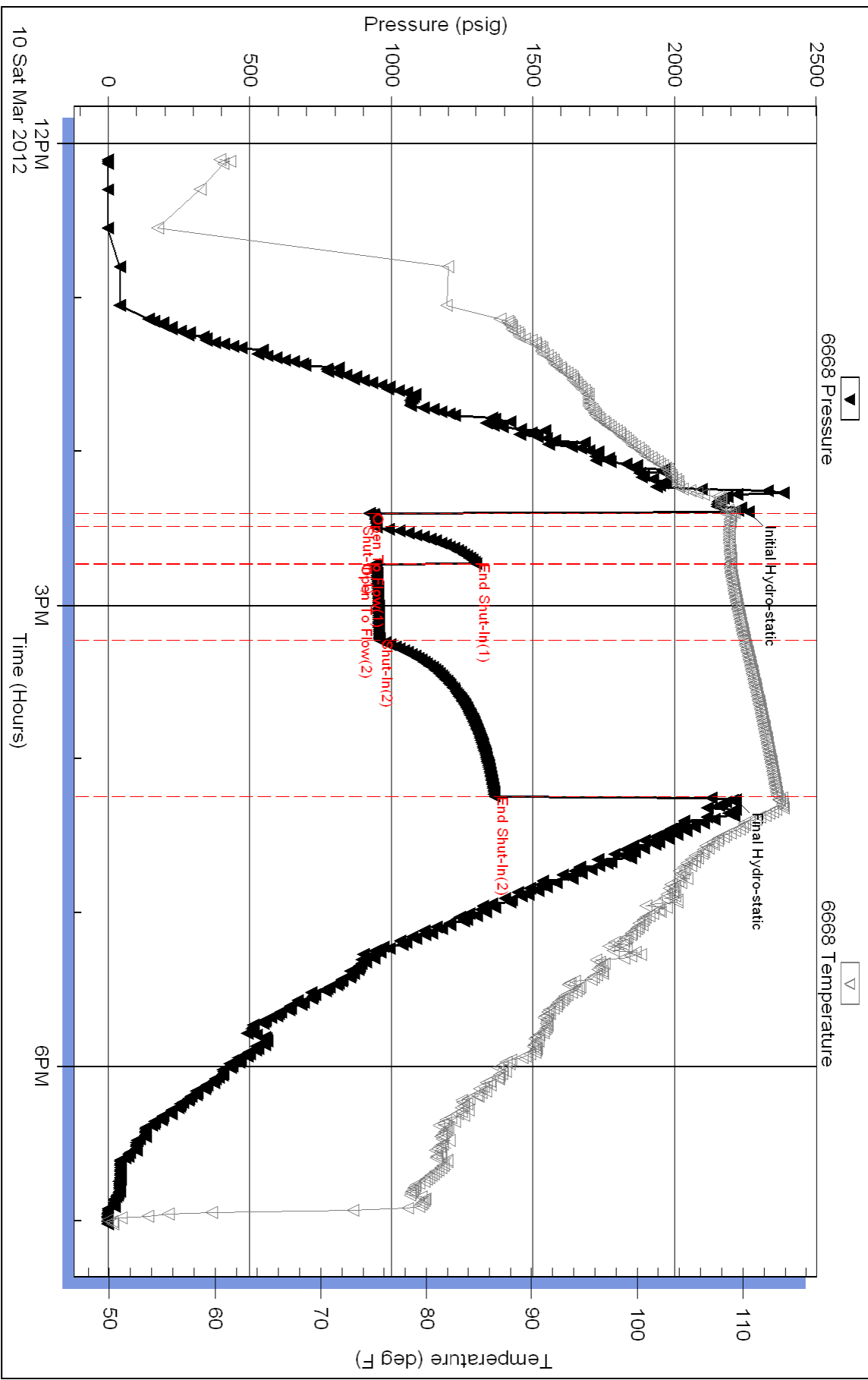
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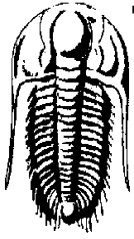
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45124

DST#: 9

ATTN: Bob Lew ellyn

Test Start: 2012.03.11 @ 01:27:15

GENERAL INFORMATION:

Formation: **Pawnee Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:45

Time Test Ended: 08:36:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 4418.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 2844.00 ft (KB)

Total Depth: 4540.00 ft (KB) (TVD)

2837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6668 Outside

Press @ Run Depth: 100.72 psig @ 4513.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.11

End Date:

2012.03.11

Last Calib.:

2012.03.12

Start Time: 01:27:15

End Time:

08:36:30

Time On Btm:

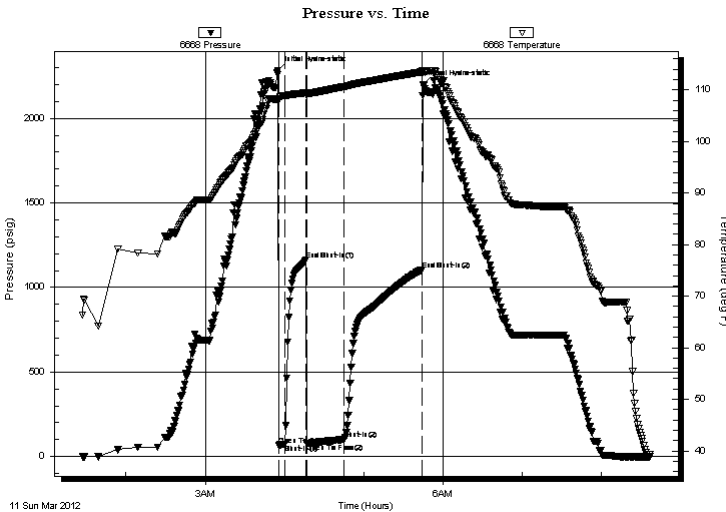
2012.03.11 @ 03:54:45

Time Off Btm:

2012.03.11 @ 05:45:00

TEST COMMENT: IF: Built to 1" blow
IS: No return blow
FF: Built to 1 1/4" blow
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2284.12	108.27	Initial Hydro-static
1	67.81	108.01	Open To Flow (1)
6	73.58	108.88	Shut-In(1)
22	1160.92	109.47	End Shut-In(1)
22	77.17	109.01	Open To Flow (2)
51	100.72	110.64	Shut-In(2)
109	1104.28	113.49	End Shut-In(2)
111	2200.00	113.38	Final Hydro-static

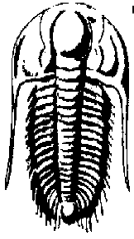
Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45124

DST#: 9

ATTN: Bob Lew ellyn

Test Start: 2012.03.11 @ 01:27:15

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:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100% m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

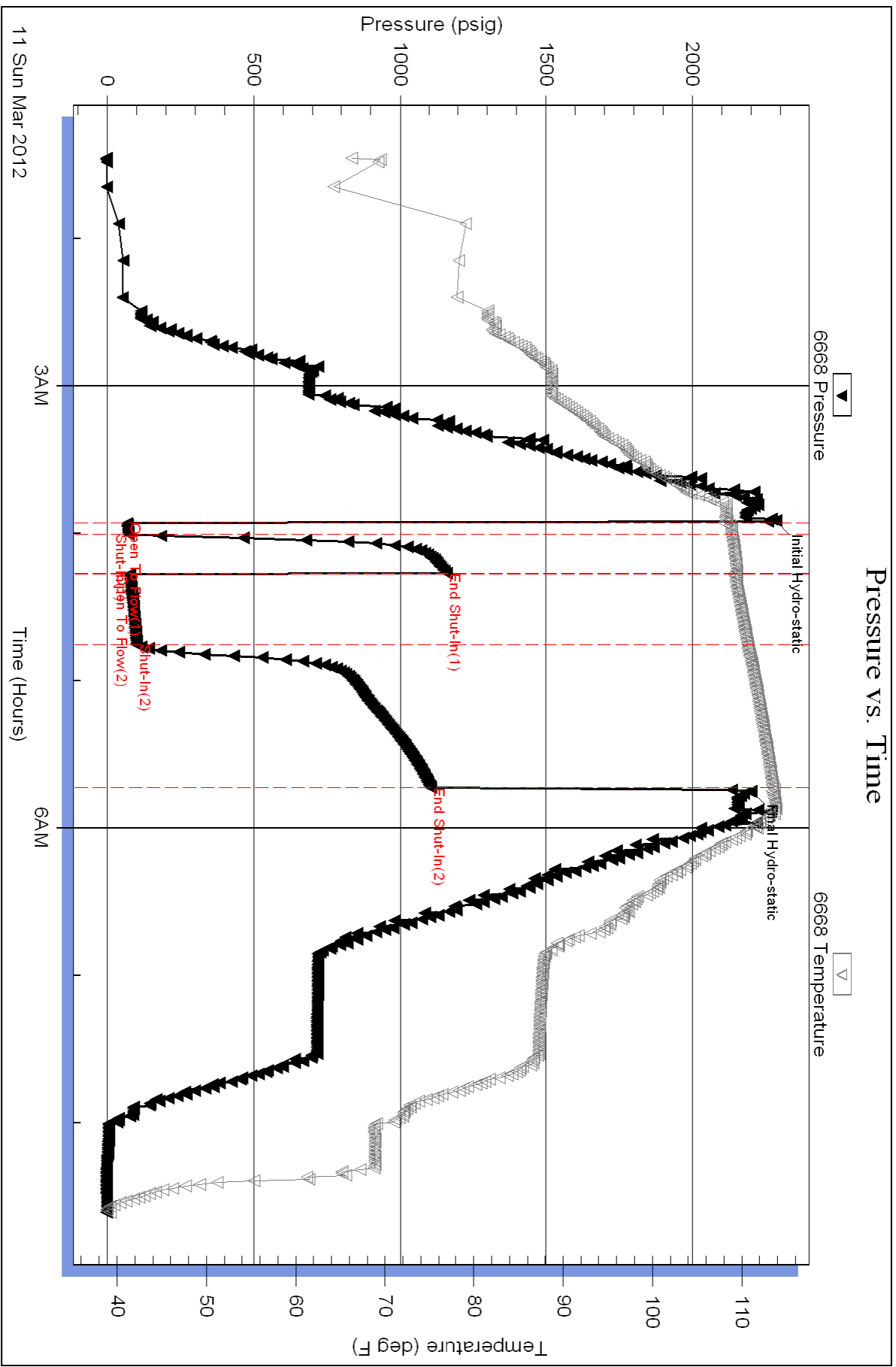
Num Gas Bombs: 0

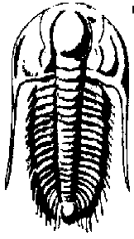
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45125

DST#: 10

ATTN: Bob Lew ellyn

Test Start: 2012.03.12 @ 21:41:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:40:45

Time Test Ended: 02:45:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 4506.00 ft (KB) To 4575.00 ft (KB) (TVD)

Reference Elevations: 2844.00 ft (KB)

Total Depth: 4575.00 ft (KB) (TVD)

2837.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6668 Outside

Press @ Run Depth: 21.53 psig @ 4570.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.12

End Date:

2012.03.13

Last Calib.: 2012.03.13

Start Time: 21:41:15

End Time:

02:45:30

Time On Btm: 2012.03.12 @ 23:40:30

Time Off Btm: 2012.03.13 @ 00:46:15

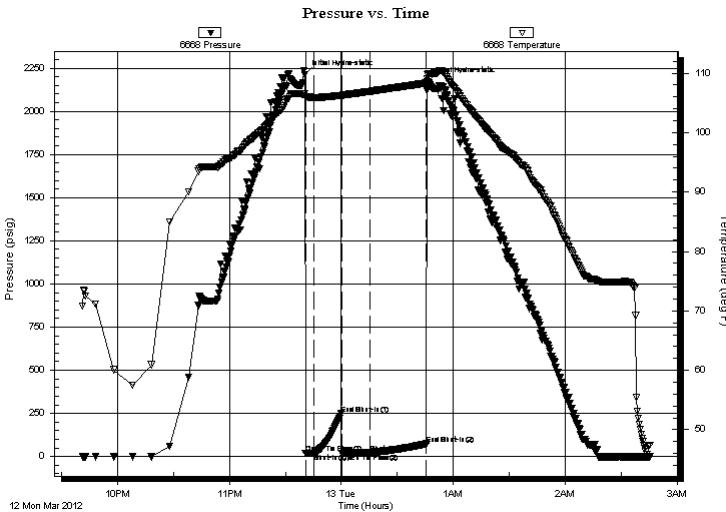
TEST COMMENT: IF: Built to weak surface blow

IS: No return blow

FF: No blow

FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.48	106.59	Initial Hydro-static
1	17.85	105.89	Open To Flow (1)
5	19.02	105.90	Shut-In(1)
20	247.41	106.24	End Shut-In(1)
20	20.09	106.25	Open To Flow (2)
35	21.53	106.93	Shut-In(2)
65	72.68	108.31	End Shut-In(2)
66	2171.11	109.69	Final Hydro-static

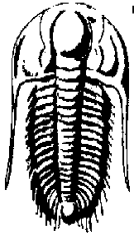
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering, Inc.

8-19s-29w Lane Co KS

562 West St. Rd. #4
Olmitz Ks 67564

Melita #1-8

Job Ticket: 45125

DST#: 10

ATTN: Bob Lew ellyn

Test Start: 2012.03.12 @ 21:41:15

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:

0 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

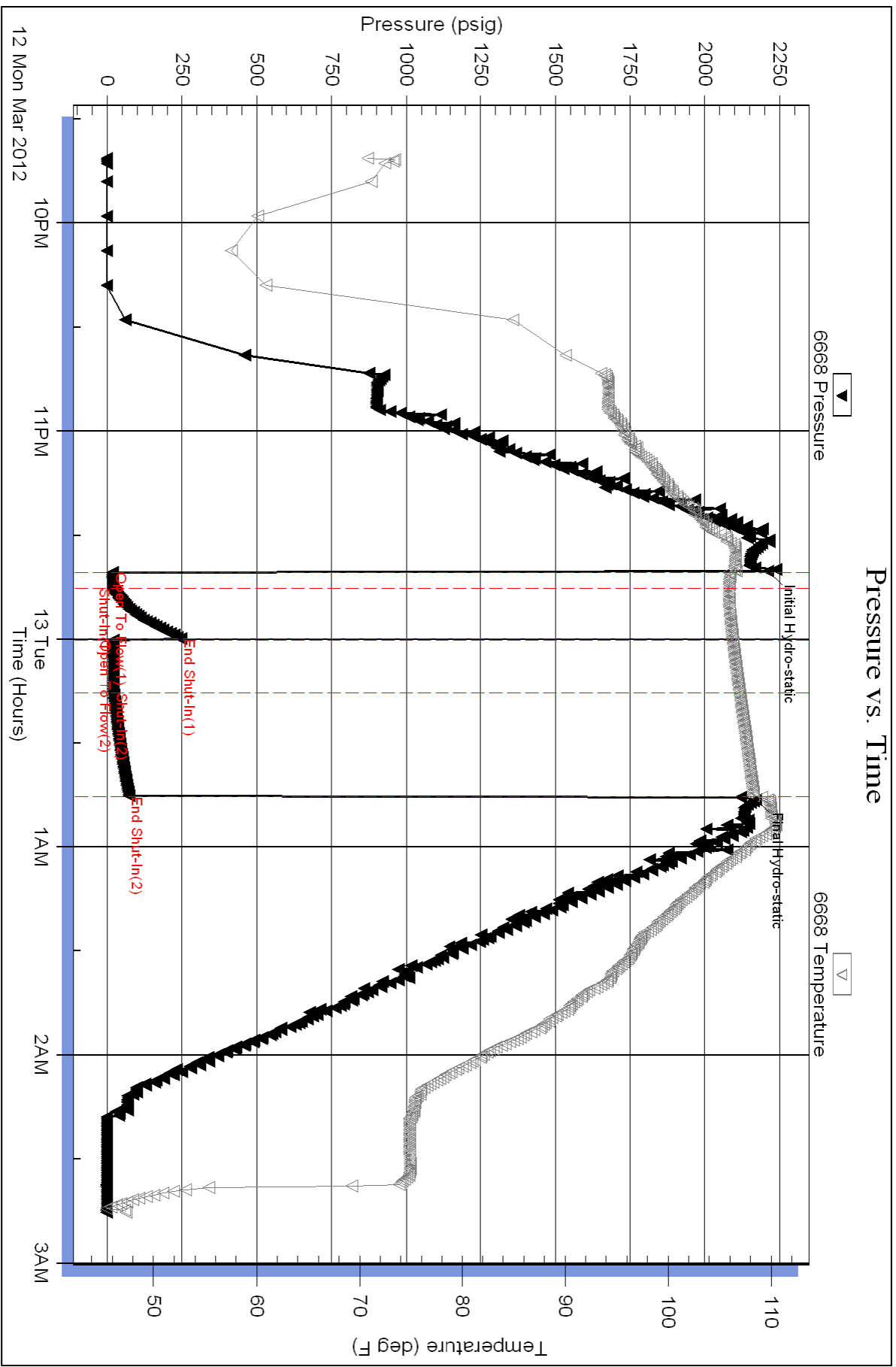
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 29, 2012

Thomas Larson
Larson Engineering, Inc. dba Larson Operating
Company
562 W STATE RD 4
OLMITZ, KS 67564-8561

Re: ACO1
API 15-101-22354-00-00
Melita 1-8
SE/4 Sec.08-19S-29W
Lane County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Thomas Larson

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
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Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 29, 2012

Thomas Larson
Larson Engineering, Inc. dba Larson Operating
Company
562 W STATE RD 4
OLMITZ, KS 67564-8561

Re: ACO-1
API 15-101-22354-00-00
Melita 1-8
SE/4 Sec.08-19S-29W
Lane County, Kansas

Dear Thomas Larson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 2/29/2012 and the ACO-1 was received on June 29, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department