



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1157571  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1157571

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	DORA TAYLOR 3-22
Doc ID	1157571

Tops

Name	Top	Datum
Heebner	4560	-2226
Lansing 'A'	4716	-2382
Marmaton	5418	-3084
Novinger	5470	-3136
Cherokee Shale	5600	-3266
Morrow Shale	5908	-3574
Morrow Sand	5952	-3618
Chester	5998	-3664
St. Louis	6406	-4072

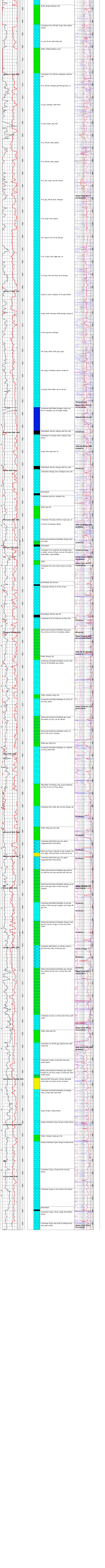
Well Name: Dora Taylor 3-22  
 Location: 1932' ENL & 970' FWL Sec. 22 T34S R26W, Meade County, KS  
 API No.: 15-119-21343  
 Field Name: McKinney  
 Spud Date: 7/13/2013  
 Bottom Hole Location: As above  
 Ground Level: 2323'  
 Logged Interval: 4550' TO: 6000'  
 Drilling Fluid Type: Freshwater/Gel to 2991', Chemical/Gel to 6600'

Operator: Herman L. Loeb  
 Address: P.O. Box 838  
 Lawrenceville, IL 62439-0838

Thomas G. Pronold  
 Consulting Petroleum Geologist  
 2250 No. Rock Road, No. 118-I  
 Wichita, KS 67226  
 P/316-687-5758 M/316-461-8127  
 tpronold@sbjglobal.net

DST #1 Marmaton Novinger Zone 5443-5485 30'-45'-30'-60' Initial Open: Weak blow built to 1/2". Final open: No blow. No blow back during shut-in. Rec. 15' Mud. No shows oil or gas. IHP 2926#, IFP 34-51#, ISIP 105#, FFP 58-62#, FSIP 104#, FSIP 2953#  
 DST #2 Morrow 5914-6005 15'-45'-30'-60' Initial Open: Weak blow built to 1 1/4". Final open: No blow. No blow back during shut-in. Rec. 65' Mud. No shows oil or gas. IHP 3004#, IFP 34-51#, ISIP 105#, FFP 58-62#, FSIP 104#, FSIP 2953#  
 DST #3 Chester 6025-6140 15'-45'-30'-60' Initial Open: Weak blow built to 1/2" to 3/4". Final open: 1/4" to 1/2". No blow back during shut-in. Rec. 30' Mud. Faint gas odor. IHP 2665#, IFP 42-68#, ISIP 154#, FFP 41-46#, FSIP 51#, FSIP 2953#

COMMENTS  
 07/07/13 KODA Drilling set 91' of 20" Conductor Pipe. 07/13/13 MIFRU Sterling Drilling Rig 2, Spud 12 1/4" Surface hole at 11:15 PM. 07/14/13 Drilling at 596'. 07/15/2013 Drilling at 626' Down 23.5 hours to replace torque converter. 07/16/13 WOC at 1329'. 07/17/2013 1971' Drilling ahead. 07/18/13 3119' Drilling ahead. 07/19/13 3980'. Drilling ahead. 07/20/13 4780'. Drilling ahead. 07/21/2013 5567'. Tripping out to replace PDC bits with Button bit. 07/22/2013 5485'. TCH for DST #1. 7/23/13 5689'. Drilling ahead. 7/24/13 6005'. Trip out for DST #2. 7/25/13 6140'. Trip out for DST #3. 7/26/13 6199'. Drilling ahead. 7/27/13 6495'. Drilling ahead. 7/28/13 6600'. RTD 6600'. Tripping in hole after logs. LDDP. Prep to plug.  
 Set 91' of 20" conductor pipe set at 95' GL with 9.5 yards grout. New and 8 5/8", 24" Surface casing at 1329' with 380 sacks Cement (Basic Energy Services).  
 Surveys: 0.75 Deg. At 1329', 0.75 Deg. At 5250', 0.5 Deg. At 6005', 0.25 Deg. At 6140', 0.25 Deg. At 6600'.  
 E-log Formation Tops: Heabner 4560, Toronto 4575, Lansing 'A' 4716, LKC 'H' 5068, Stark, Sh 5282, Marmaton 5418, Novinger 5470, Cherokee Sh 5600, Atoka 5707, Morrow Sh 5908, Morrow Sd 5955, Chester 5988, Chester SS 6315, St. Genevieve 6380, St. Louis 6465 Note: Gamma Ray adjusted down by 4 feet to better match drilltime.





6076  
7407 YIRDS  
6438

PAGE 1 of 1	INVOICE NO 1007589	INVOICE DATE 07/16/2013
INVOICE NUMBER 1717 - 91238737		

Liberal (620) 624-2277  
 B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 L IL US 62439  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Dora Taylor #3-22  
 O LOCATION  
 B COUNTY Meade  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
<del>40617925</del>	<del>19919</del>		Net 30 days	08/15/2013

For Service Dates: 07/16/2013 to 07/16/2013

0040617925

171704443A Cement-New Well Casing/Pi 07/16/2013  
 8 5/8" Surface

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A-Con' Blend	330.00	EA	12.20	4,026.20 T
Premium Plus Cement	150.00	EA	10.69	1,603.80 T
Calcium Chloride	1,215.00	EA	0.69	836.83 T
Celloflake	120.00	EA	2.43	291.24 T
C-51	63.00	EA	16.40	1,033.12 T
"Guide Shoe - Regular, 8 5/8" (Blue)"	1.00	EA	249.26	249.26
"Flapper Ins. Ft. Vlv., 8 5/8" (Blue)	1.00	EA	183.67	183.67
Antelope Strd Bow Cent. 8 5/8 X 12 1/4	3.00	EA	95.11	285.34
"Cmt Basket, Canvas 8 5/8"	1.00	EA	688.75	688.75
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	147.59	147.59
Heavy Equipment Mileage	150.00	MI	4.59	688.75
Blending & Mixing Service Charge	480.00	BAG	0.92	440.80
"Proppant & Bulk Del. Chgs., per ton mil	1,130.00	EA	1.05	1,185.96
Depth Charge; 1001-2000'	1.00	EA	983.93	983.93
Plug Container Util. Chg.	1.00	EA	163.99	163.99
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	2.79	139.39
"Service Supervisor, first 8 hrs on loc.	1.00	EA	114.79	114.79

PAID  
42042  
JUL 26 2013  
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,063.41
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	634.98
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	13,698.39
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 04443 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: <b>7/16/13</b>	DISTRICT: <b>1717</b>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER: <b>Herman Loeb</b>		LEASE: <b>Dora Taylor 3-22</b>						WELL NO.:
ADDRESS:		COUNTY: <b>Mead</b>			STATE: <b>KS</b>			
CITY:		STATE:		SERVICE CREW: <b>Tommy, Daniel, Victor</b>				
AUTHORIZED BY: <b>TJCL</b>		JOB TYPE: <b>342 Surface</b>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED: <b>7/15 AM 2:30</b>		
<b>746939</b>	<b>4</b>					ARRIVED AT JOB: <b>7/15 AM 8:00</b>		
<b>381119919</b>	<b>4</b>					START OPERATION: <b>7/16 AM 11:30</b>		
<b>3302114254</b>	<b>4</b>					FINISH OPERATION: <b>7/16 PM 3:56</b>		
<b>1982719583</b>	<b>4</b>					RELEASED: <b>7/16 PM 4:00</b>		
						MILES FROM STATION TO WELL: <b>70</b>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL101	A-Con Blend	SK	330		6138 00
CL110	Premium Plus	SK	150		2445 00
CC109	Calcium Chloride	LB	1215		1275 75
CC102	Celloflake	LB	120		444 00
CC130	C-56	LB	63		1575 00
CF253	Guide Shoe - Rog	EA	1		380 00
CF453	Flapper Float Valve	EA	1		280 00
CF4405	Centralizers	EA	3		435 00
CF4856	Basket	EA	1		1050 00
CE105	Top Plug	EA	1		225 00
E101	Heavy Equip Mileage	Mi	150		1050 00
CE240	Blending + Mixing Charge	SK	480		672 00
F113	Bulk Delivery	Tm	1,130		1808 00
CE202	Depth Charge 100' to 2000'	4hr	1		1500 00
CE504	Plug Container	EA	1		250 00
E100	Pickup Mileage	Mi	50		212 50
2003	Service Super Visor	EA	1		175 00
SUB TOTAL					<b>13,063.41</b>

CHEMICAL / ACID DATA:		

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)	

FIELD SERVICE ORDER NO. \_\_\_\_\_



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

**Cement Report**

Customer <b>Herman Loeb</b>	Lease No.	Date <b>7/16/13</b>
Lease <b>Dora Taylor</b>	Well # <b>3-22</b>	Service Receipt
Casing <b>4 5/8</b>	Depth <b>1329</b>	County <b>Meade</b> State <b>KS</b>
Job Type <b>Surface</b>	Formation	Legal Description <b>22-31-26</b>

Pipe Data		Perforating Data		Cement Data
Casing size <b>4 5/8</b>	Tubing Size	Shots/Ft		Lead <b>330 4x</b>
Depth <b>1329.05</b>	Depth	From	To	<b>A-CON @ 11.4#</b>
Volume <b>81.82</b>	Volume	From	To	<b>2.95 18.10</b>
Max Press <b>1500</b>	Max Press	From	To	<b>Tail in 150 5x P.P.</b>
Well Connection <b>P.C.</b>	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

7/15  
7/16

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
16:00					on loc, spot + R.O., Safety valves
01:30	2200				Test Lines
01:32	100		0	5	start mixing @ 11.4#
01:36	100		12	0	s.d., Clean out tub
01:50	100		12	5	Continue mixing
02:32	100		173	4	on tail @ 14.8#
03:10	0		36	0	Finished mixing, Drop Plug
03:13	0		0	5	start Disp, Washup
03:32	250		70	2.2	slow Rate
03:36	400-450		42	0	Plug Down
03:38	350				shot in head, bleed off 15'
					Job Complete

Service Units	<b>74939</b>	<b>381119919</b>	<b>3502114284</b>	<b>194291254</b>
Driver Names	<b>Chavez</b>	<b>T. Marcellus</b>	<b>V. Vasquez</b>	<b>Di Beck</b>

*Perry Bennett*  
Station Manager

*Chad Chavez*  
Cementer

Customer Representative



**BASIC**  
ENERGY SERVICES

6076  
140 TAYLOR RD 3  
6438

PAGE	CUST NO	INVOICE DATE
1 of 1	1007589	07/29/2013
INVOICE NUMBER		
1717 - 91247828		

Liberal (620) 624-2277  
 B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 L IL US 62439  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Dora Taylor #3-22  
 O LOCATION  
 B COUNTY Meade  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40622056	19842		Net 30 days	08/28/2013	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 07/28/2013 to 07/28/2013</i>					
0040622056					
171704474A Cement-New Well Casing/Pi 07/28/2013 PTA					
60/40 POZ 170.00 EA 9.60 1,632.00 T					
Cement Gel 294.00 EA 0.20 58.80 T					
Heavy Equipment Mileage 100.00 MI 5.60 560.00					
Blending & Mixing Service Charge 170.00 BAG 1.12 190.40					
"Proppant & Bulk Del. Chgs., per ton mil 367.50 EA 1.28 470.40					
Depth Charge; 1001'-2000' 1.00 EA 1,200.00 1,200.00					
"Unit Mileage Chg (PU, cars one way)" 50.00 MI 3.40 170.00					
"Service Supervisor, first 8 hrs on loc. 1.00 EA 140.00 140.00					
"Cement Pumper, Add'l hrs. on Location" 1.00 HR 400.00 400.00					

PAID  
42708  
AUG 08 2013

SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	4,821.60
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	137.80
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	4,959.40
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





**BASIC**<sup>SM</sup>  
 ENERGY SERVICES  
 PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
 Liberal, Kansas 67905  
 Phone 620-624-2277

**FIELD SERVICE TICKET**  
 1717 04474 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>7-28-13</b> DISTRICT <b>1717</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: _____							
CUSTOMER <b>Herman Loab</b>		LEASE <b>Dora Taylor</b> WELL NO. <b>3-22</b>							
ADDRESS _____		COUNTY <b>Meade</b> STATE <b>KS</b>							
CITY _____ STATE _____		SERVICE CREW <b>Ruben-Daniel-Hector R</b>							
AUTHORIZED BY _____		JOB TYPE: <b>2-42 Plug to Abandon 85/8</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <b>7-28-13</b>	DATE	AM	TIME
<b>78940</b>	<b>11</b>								<b>0500</b>
<b>38750</b>	<b>4</b>					ARRIVED AT JOB		AM	<b>0700</b>
<b>19842</b>	<b>-6</b>					START OPERATION		AM	<b>1239</b>
<b>14354</b>	<b>4</b>					FINISH OPERATION		AM	<b>1500</b>
<b>19578</b>	<b>-6</b>					RELEASED		AM	<b>1600</b>
						MILES FROM STATION TO WELL <b>50</b>			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL 103	60/40 Poz	✓ SK	170		2040 00
CC 200	Cement Ccl	✓ Lb	294		73 50
E 101	Heavy Equipment Mileage	Mi	100		700 00
CE 240	Blending & Mixing Service Charge	SK	170		238 00
E 113	Proppant and Bulk Delivery Charge	TM	368		588 00
CE 202	Depth Charge 1001 - 2000'	4hrs	1		1500 00
E 100	Unit Mileage Charge Pickup	Mi	50		212 50
S 003	Service Supervisor first 8 hrs on loc.	Eq	1		175 00
CE 403	Cement Pumper, Additional hrs on location	Eq	1		500 00

SUB TOTAL **4821 60**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE **Ruben Martinez**  
 FIELD SERVICE ORDER NO. \_\_\_\_\_

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: \_\_\_\_\_  
 (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

## Cement Report

Customer <b>Herman Loab</b>		Lease No.		Date <b>7-28-13</b>							
Lease <b>Dora Taylor</b>		Well # <b>3-22</b>		Service Receipt							
Casing Depth		County <b>Meade</b>		State <b>KS</b>							
Job Type		Formation		Legal Description <b>22 34 26</b>							
<b>Pipe Data</b>			<b>Perforating Data</b>			<b>Cement Data</b>					
Casing size <b>8 5/8</b>			Tubing Size			<b>Lead 170SK @ 13.5 PPG</b> <b>47. Total gal</b> <b>60/40 POZ</b> <b>Tail in</b>					
Depth			Depth						From To		
Volume			Volume						From To		
Max Press			Max Press						From To		
Well Connection			Annulus Vol.						From To		
Plug Depth			Packer Depth						From To		
Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log						
0700					On Location Rig up						
1230					<del>Pressure</del> Safety Meeting						
1239	2500				Pressure Test						
					1 <sup>st</sup> Plug @ 1400' 50SKS @ 13.5 PPG						
1241	100		10	4	Pump Water Ahead						
1245	100		13	4	Pump 50SKS @ 13.5 PPG						
1252	100		3	4	Pump Water behind						
1255	100		12	4	Displace with Mud						
1300	0				Shut Down						
					2 <sup>nd</sup> Plug @ 230' 40SKS @ 13.5 PPG						
1341	100		20	4	Pump <del>50</del> Water Ahead						
1349	100		10	4	Pump 40SKS @ 13.5 PPG						
1354	100		.6	4	Pump, 6 bbl Disp						
1355	0				Shut Down						
1410	100		<del>7</del>	<del>4</del>	3 <sup>rd</sup> Plug @ 60' 20 SKS @ 13.5 PPG						
1410	100		7	4	Circulate Cement To Surface						
1415	100		.6	4	Displace						
1416	0				Shut Down						
1448					Plug Rat Hole and Mouse Hole 30SKS 20SKS						
1500					Shut Down Rig Down						
Service Units		78940		3875019842		1435419578					
Driver Names		Ruben		Daniel		Hector R					

Evaldo  
Customer Representative

Jerry Bennett  
Station Manager

Ruben Mark  
Cementer



## DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: George Payne/ Tom Pr

**Dora Taylor #3-22**

**22-34s-26w Meade,KS**

Start Date: 2013.07.22 @ 05:15:26

End Date: 2013.07.22 @ 16:09:43

Job Ticket #: 47517                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.29 @ 11:23:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Herman L Loeb LLC  
PO Box 838  
Lawrenceville IL 62439  
ATTN: George Payne/ Tom Pr

**22-34s-26w Meade, KS**  
**Dora Taylor #3-22**  
Job Ticket: 47517      **DST#: 1**  
Test Start: 2013.07.22 @ 05:15:26

## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:34:26  
Time Test Ended: 16:09:43  
Interval: **5443.00 ft (KB) To 5485.00 ft (KB) (TVD)**  
Total Depth: 5485.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Chris Staats  
Unit No: #47  
Reference Elevations: 2368.00 ft (KB)  
2357.00 ft (CF)  
KB to GR/CF: 11.00 ft

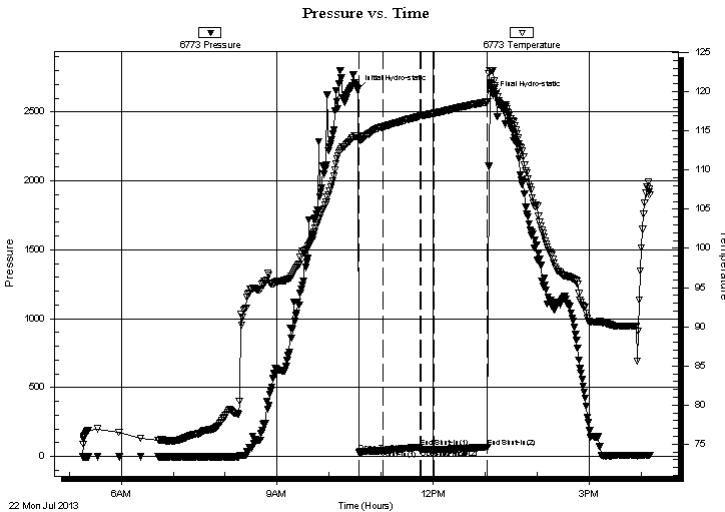
## Serial #: 6773

Inside

Press @ Run Depth: 51.71 psig @ 5444.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.07.22 End Date: 2013.07.22 Last Calib.: 2013.07.22  
Start Time: 05:15:31 End Time: 16:09:44 Time On Btm: 2013.07.22 @ 10:32:26  
Time Off Btm: 2013.07.22 @ 13:08:56

TEST COMMENT: IF: Weak blow 1/2"  
IS: No blow back  
FF: No blow  
FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2665.69	114.40	Initial Hydro-static
2	31.62	113.83	Open To Flow (1)
29	42.94	115.52	Shut-In(1)
72	68.77	116.86	End Shut-In(1)
74	50.71	116.96	Open To Flow (2)
88	51.71	117.24	Shut-In(2)
150	68.80	118.70	End Shut-In(2)
157	2621.56	122.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Herman L Loeb LLC  
 PO Box 838  
 Lawrenceville IL 62439  
 ATTN: George Payne/ Tom Pr

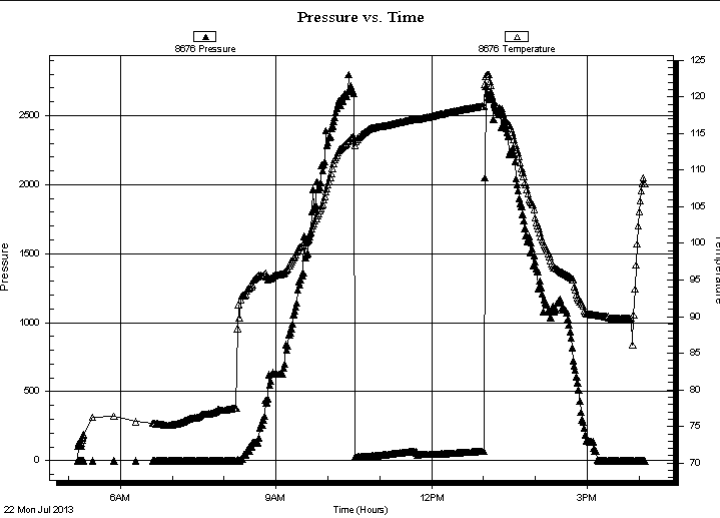
**22-34s-26w Meade, KS**  
**Dora Taylor #3-22**  
 Job Ticket: 47517      **DST#: 1**  
 Test Start: 2013.07.22 @ 05:15:26

**GENERAL INFORMATION:**

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:34:26  
 Time Test Ended: 16:09:43  
 Interval: **5443.00 ft (KB) To 5485.00 ft (KB) (TVD)**  
 Total Depth: 5485.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Chris Staats  
 Unit No: #47  
 Reference Elevations: 2368.00 ft (KB)  
 2357.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8676      Outside**  
 Press @ Run Depth:      psig @ 5444.00 ft (KB)  
 Start Date: 2013.07.22      End Date: 2013.07.22  
 Start Time: 05:10:26      End Time: 16:06:51  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.07.22  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Weak blow 1/2"  
 IS: No blow back  
 FF: No blow  
 FS: No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L Loeb LLC

**22-34s-26w Meade,KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 47517

**DST#: 1**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.22 @ 05:15:26

## Tool Information

Drill Pipe:	Length: 5195.00 ft	Diameter: 3.80 inches	Volume: 72.87 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 74.09 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	5443.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	71.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5415.00	
Shut In Tool	5.00			5420.00	
Hydraulic tool	5.00			5425.00	
Jars	5.00			5430.00	
Safety Joint	3.00			5433.00	
Packer	5.00			5438.00	29.00 Bottom Of Top Packer
Packer	5.00			5443.00	
Stubb	1.00			5444.00	
Recorder	0.00	8676	Outside	5444.00	
Recorder	0.00	6773	Inside	5444.00	
Change Over Sub	0.50			5444.50	
Drill Pipe	31.00			5475.50	
Change Over Sub	0.50			5476.00	
Perforations	6.00			5482.00	
Bullnose	3.00			5485.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Herman L Loeb LLC

**22-34s-26w Meade,KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 47517

**DST#: 1**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.22 @ 05:15:26

**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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

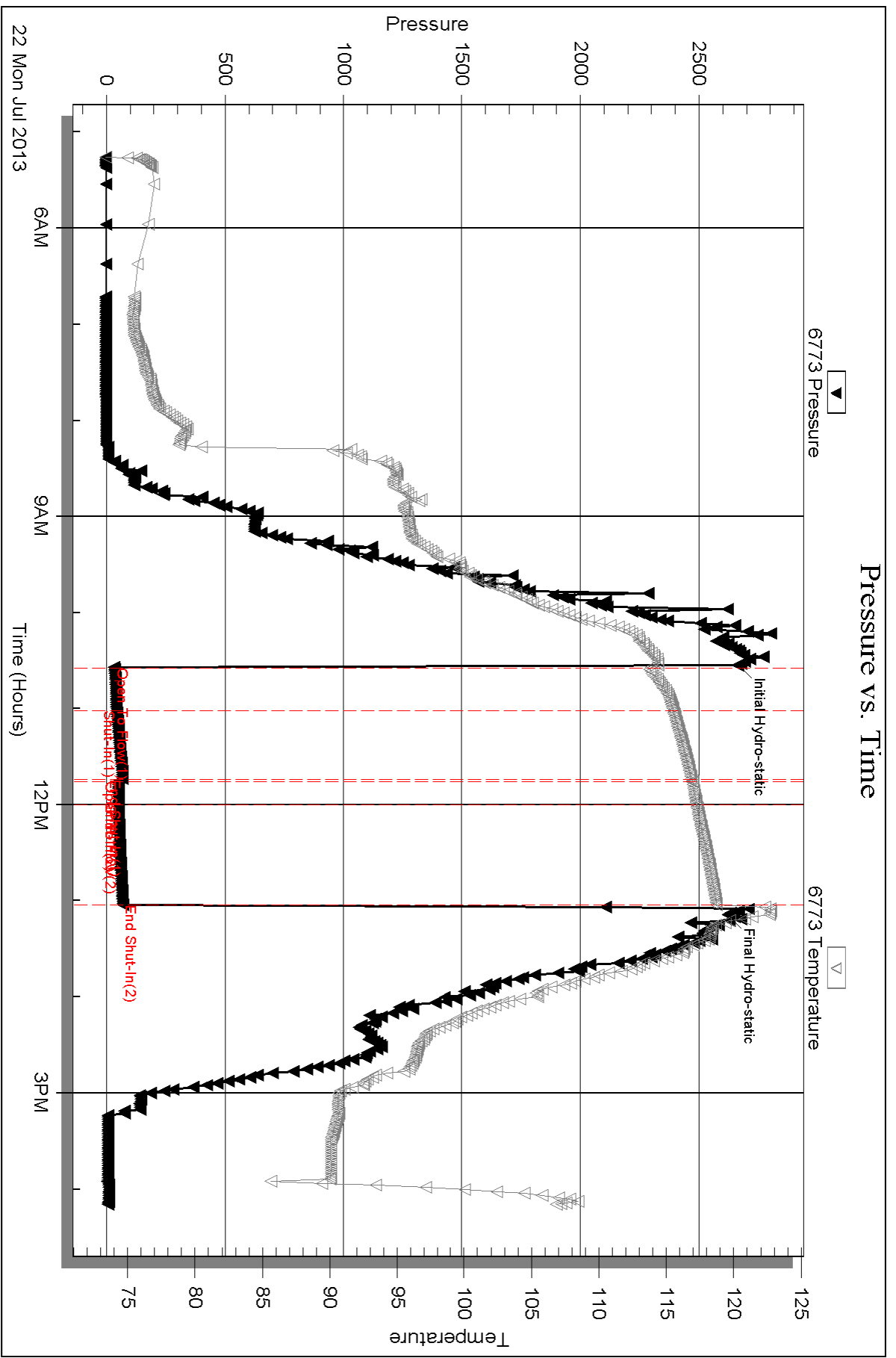
Serial #: 6773

Inside

Herrman L Loeb LLC

Dora Taylor #3-22

DST Test Number: 1



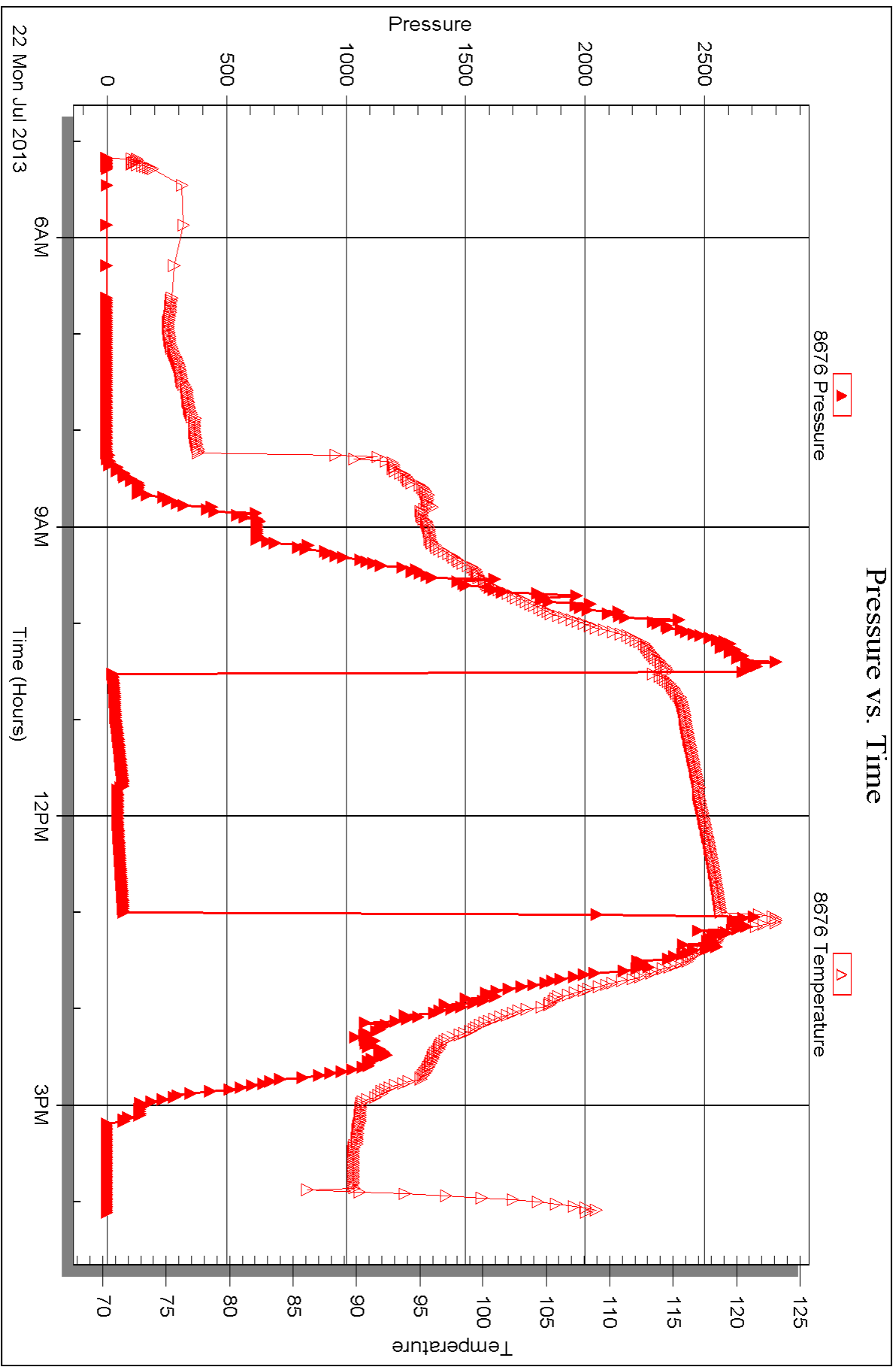


Serial #: 8676

Outside Herran L Loeb LLC

Dora Taylor #3-22

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: George Payne/ Tom Pr

**Dora Taylor #3-22**

**22-34s-26w Meade,KS**

Start Date: 2013.07.24 @ 05:32:27

End Date: 2013.07.24 @ 16:44:27

Job Ticket #: 47518                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.29 @ 11:23:10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Herman L Loeb LLC  
 PO Box 838  
 Lawrenceville IL 62439  
 ATTN: George Payne/ Tom Pr

**22-34s-26w Meade, KS**  
**Dora Taylor #3-22**  
 Job Ticket: 47518 **DST#: 2**  
 Test Start: 2013.07.24 @ 05:32:27

## GENERAL INFORMATION:

Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:43:42  
 Time Test Ended: 16:44:27  
 Interval: **5914.00 ft (KB) To 6005.00 ft (KB) (TVD)**  
 Total Depth: 6005.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chris Staats  
 Unit No: #47  
 Reference Elevations: 2368.00 ft (KB)  
 2357.00 ft (CF)  
 KB to GR/CF: 11.00 ft

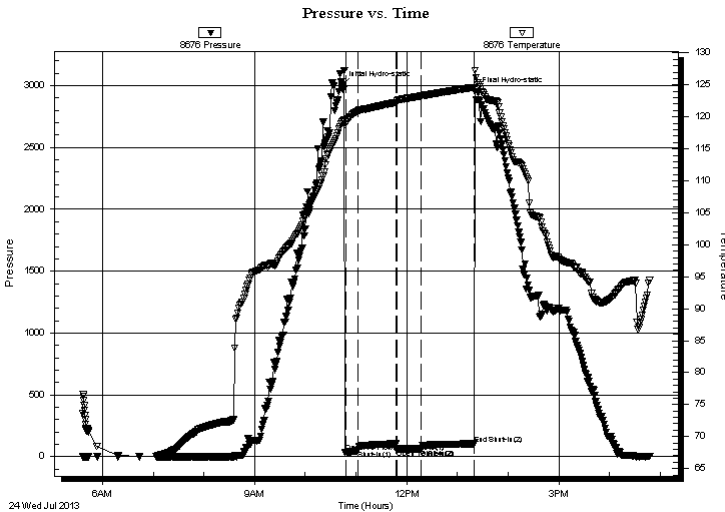
## Serial #: 8676

**Outside**

Press @ Run Depth: 62.74 psig @ 5915.00 ft (KB)  
 Start Date: 2013.07.24 End Date: 2013.07.24  
 Start Time: 05:36:32 End Time: 16:48:27  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.07.24  
 Time On Btm: 2013.07.24 @ 10:43:27  
 Time Off Btm: 2013.07.24 @ 13:21:12

TEST COMMENT: IF: Weak blow 1 1/4"  
 IS: No blow back  
 FF: No blow  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3004.06	119.19	Initial Hydro-static
5	34.02	118.89	Open To Flow (1)
19	51.16	120.99	Shut-In(1)
65	105.18	122.29	End Shut-In(1)
65	58.09	122.55	Open To Flow (2)
94	62.74	123.28	Shut-In(2)
157	104.30	124.63	End Shut-In(2)
158	2953.90	127.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	MUD	0.32

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L Loeb LLC

**22-34s-26w Meade,KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 47518

**DST#: 2**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.24 @ 05:32:27

## Tool Information

Drill Pipe:	Length: 5641.00 ft	Diameter: 3.80 inches	Volume: 79.13 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 80.35 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	5914.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	120.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5886.00	
Shut In Tool	5.00			5891.00	
Hydraulic tool	5.00			5896.00	
Jars	5.00			5901.00	
Safety Joint	3.00			5904.00	
Packer	5.00			5909.00	29.00 Bottom Of Top Packer
Packer	5.00			5914.00	
Stubb	1.00			5915.00	
Recorder	0.00	8676	Outside	5915.00	
Recorder	0.00	6773	Inside	5915.00	
Change Over Sub	0.50			5915.50	
Drill Pipe	63.00			5978.50	
Change Over Sub	0.50			5979.00	
Perforations	23.00			6002.00	
Bullnose	3.00			6005.00	91.00 Bottom Packers & Anchor

**Total Tool Length: 120.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Herman L Loeb LLC

**22-34s-26w Meade, KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 47518      **DST#: 2**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.24 @ 05:32:27

## 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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5300.00 ppm			
Filter Cake: 0.00 inches			

## Recovery Information

Recovery Table

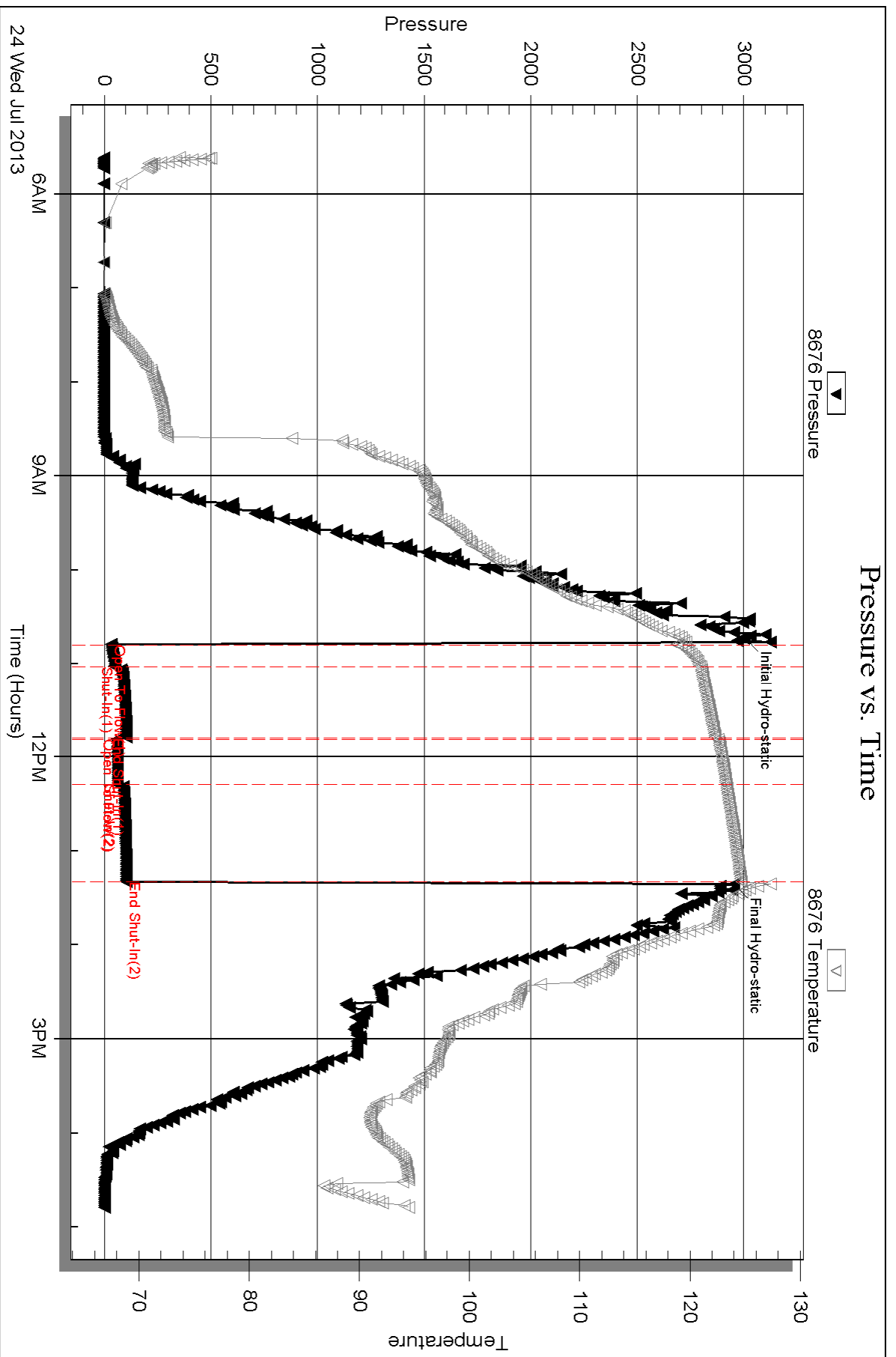
Length ft	Description	Volume bbl
65.00	MUD	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: George Payne/ Tom Pr

**Dora Taylor #3-22**

**22-34s-26w Meade,KS**

Start Date: 2013.07.25 @ 13:38:34

End Date: 2013.07.25 @ 23:05:19

Job Ticket #: 52287                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.07.29 @ 11:22:16



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Herman L Loeb LLC  
PO Box 838  
Lawrenceville IL 62439  
ATTN: George Payne/ Tom Pr

**22-34s-26w Meade, KS**  
**Dora Taylor #3-22**  
Job Ticket: 52287      **DST#: 3**  
Test Start: 2013.07.25 @ 13:38:34

## GENERAL INFORMATION:

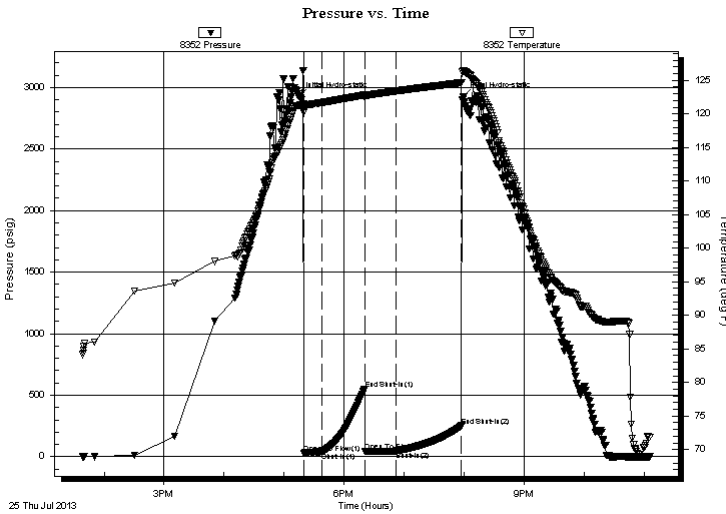
Formation: <b>Chester</b>			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 17:19:49		Tester: Gary Pevoteaux	
Time Test Ended: 23:05:19		Unit No: 56	
<b>Interval: 6025.00 ft (KB) To 6140.00 ft (KB) (TVD)</b>		Reference Elevations: 2368.00 ft (KB)	
Total Depth: 6140.00 ft (KB) (TVD)		2357.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 11.00 ft	

## Serial #: 8352 Inside

Press @ Run Depth: 46.06 psig @ 6026.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.07.25	End Date: 2013.07.25
Start Time: 13:38:39	End Time: 23:05:19
Last Calib.: 2013.07.25	
Time On Btm: 2013.07.25 @ 17:14:49	
Time Off Btm: 2013.07.25 @ 19:59:04	

**TEST COMMENT:** IF:Weak blow . 1/2 - 3/4".  
IS:No blow .  
FF:Weak blow . 1/4 - 1/2".  
FS:No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2925.86	121.28	Initial Hydro-static
5	30.03	120.16	Open To Flow (1)
23	39.00	121.66	Shut-In(1)
66	549.04	122.83	End Shut-In(1)
66	44.80	122.46	Open To Flow (2)
97	46.06	123.41	Shut-In(2)
163	249.99	124.67	End Shut-In(2)
165	2925.54	126.49	Final Hydro-static

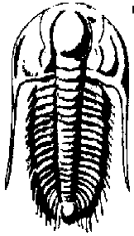
## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drig.mud (Faint odor)	0.15

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Herman L Loeb LLC  
PO Box 838  
Lawrenceville IL 62439  
ATTN: George Payne/ Tom Pr

**22-34s-26w Meade, KS**

**Dora Taylor #3-22**

Job Ticket: 52287

**DST#: 3**

Test Start: 2013.07.25 @ 13:38:34

## GENERAL INFORMATION:

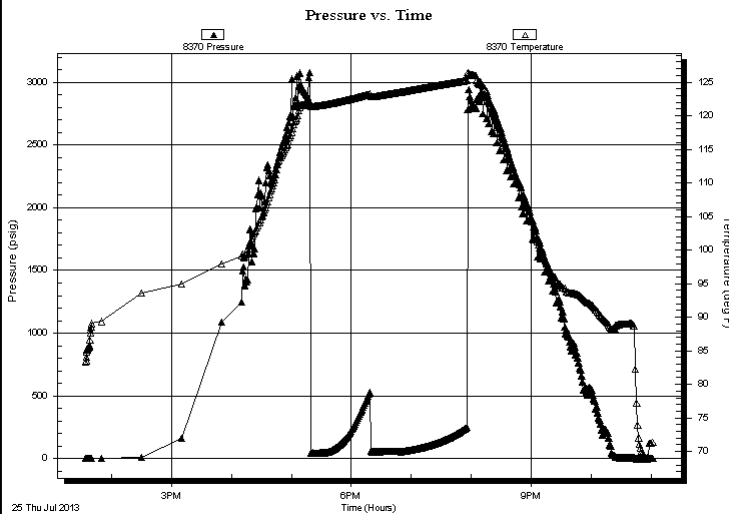
Formation: **Chester**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:19:49  
Time Test Ended: 23:05:19  
**Interval: 6025.00 ft (KB) To 6140.00 ft (KB) (TVD)**  
Total Depth: 6140.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Gary Pevoteaux  
Unit No: 56  
Reference Elevations: 2368.00 ft (KB)  
2357.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8370**

**Outside**

Press @ RunDepth: psig @ 6026.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.07.25 End Date: 2013.07.25 Last Calib.: 2013.07.25  
Start Time: 13:34:07 End Time: 23:01:47 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Weak blow . 1/2 - 3/4".  
IS: No blow .  
FF: Weak blow . 1/4 - 1/2".  
FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drig.mud (Faint odor)	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L Loeb LLC

**22-34s-26w Meade,KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 52287

**DST#: 3**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.25 @ 13:38:34

## Tool Information

Drill Pipe:	Length: 5797.00 ft	Diameter: 3.80 inches	Volume: 81.32 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: 25000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 82.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	6025.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	115.00 ft			
Tool Length:	143.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			5998.00	
Shut in tool	5.00			6003.00	
HMV	5.00			6008.00	
Jars	5.00			6013.00	
Safety Joint	3.00			6016.00	
Packer	4.00			6020.00	28.00 Bottom Of Top Packer
Packer	5.00			6025.00	
Stubb	1.00			6026.00	
Recorder	0.00	8352	Inside	6026.00	
Recorder	0.00	8370	Outside	6026.00	
Perforations	8.00			6034.00	
Blank Spacing	96.00			6130.00	
Perforations	5.00			6135.00	
Bullnose	5.00			6140.00	115.00 Bottom Packers & Anchor

**Total Tool Length: 143.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Herman L Loeb LLC

**22-34s-26w Meade, KS**

PO Box 838  
Lawrenceville IL 62439

**Dora Taylor #3-22**

Job Ticket: 52287

**DST#: 3**

ATTN: George Payne/ Tom Pr

Test Start: 2013.07.25 @ 13:38:34

## 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:

4000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	Drig.mud (Faint odor)	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 8#/bbl

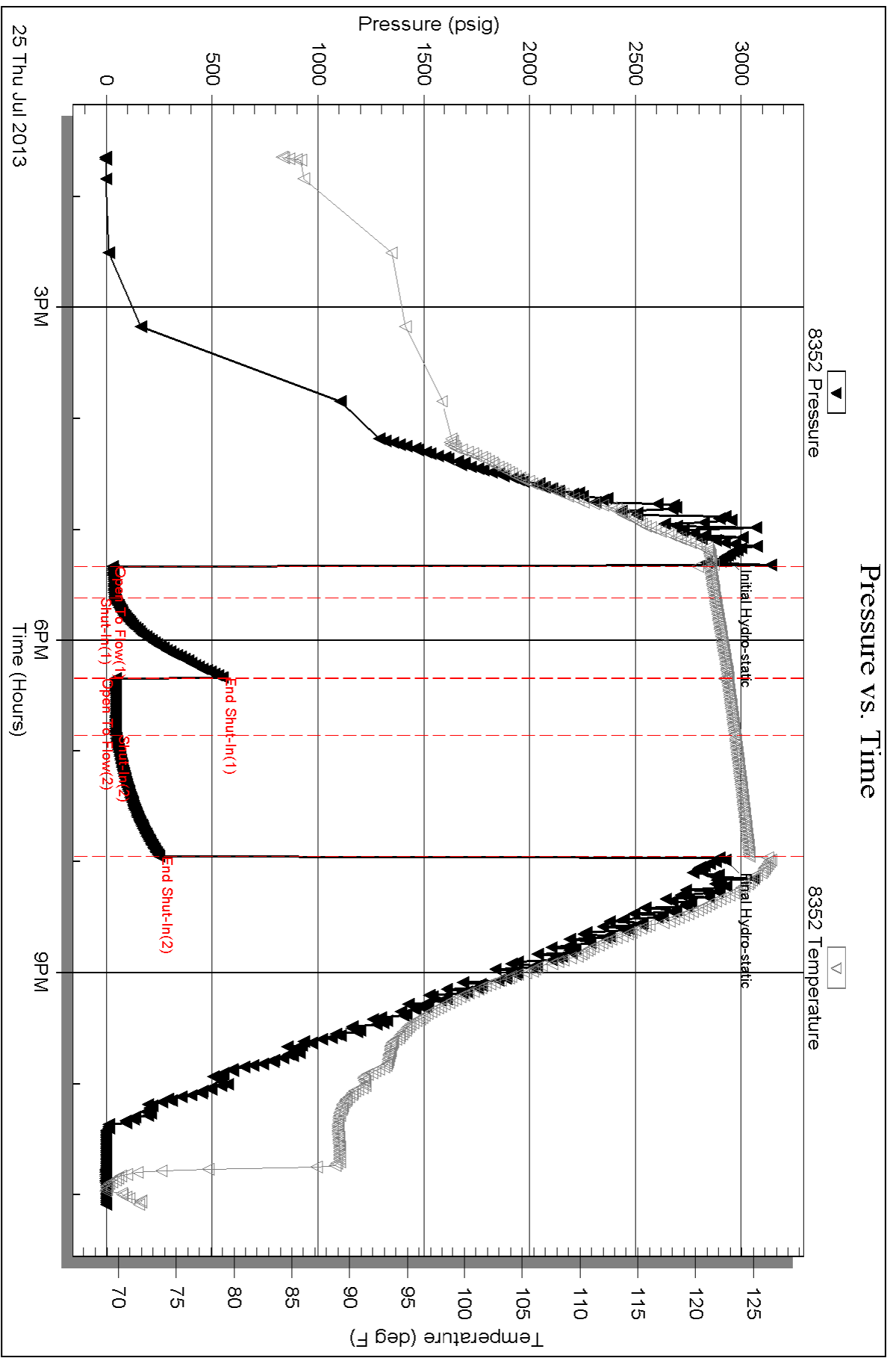
Serial #: 8352

Inside

Herrman L Loeb LLC

Dora Taylor #3-22

DST Test Number: 3

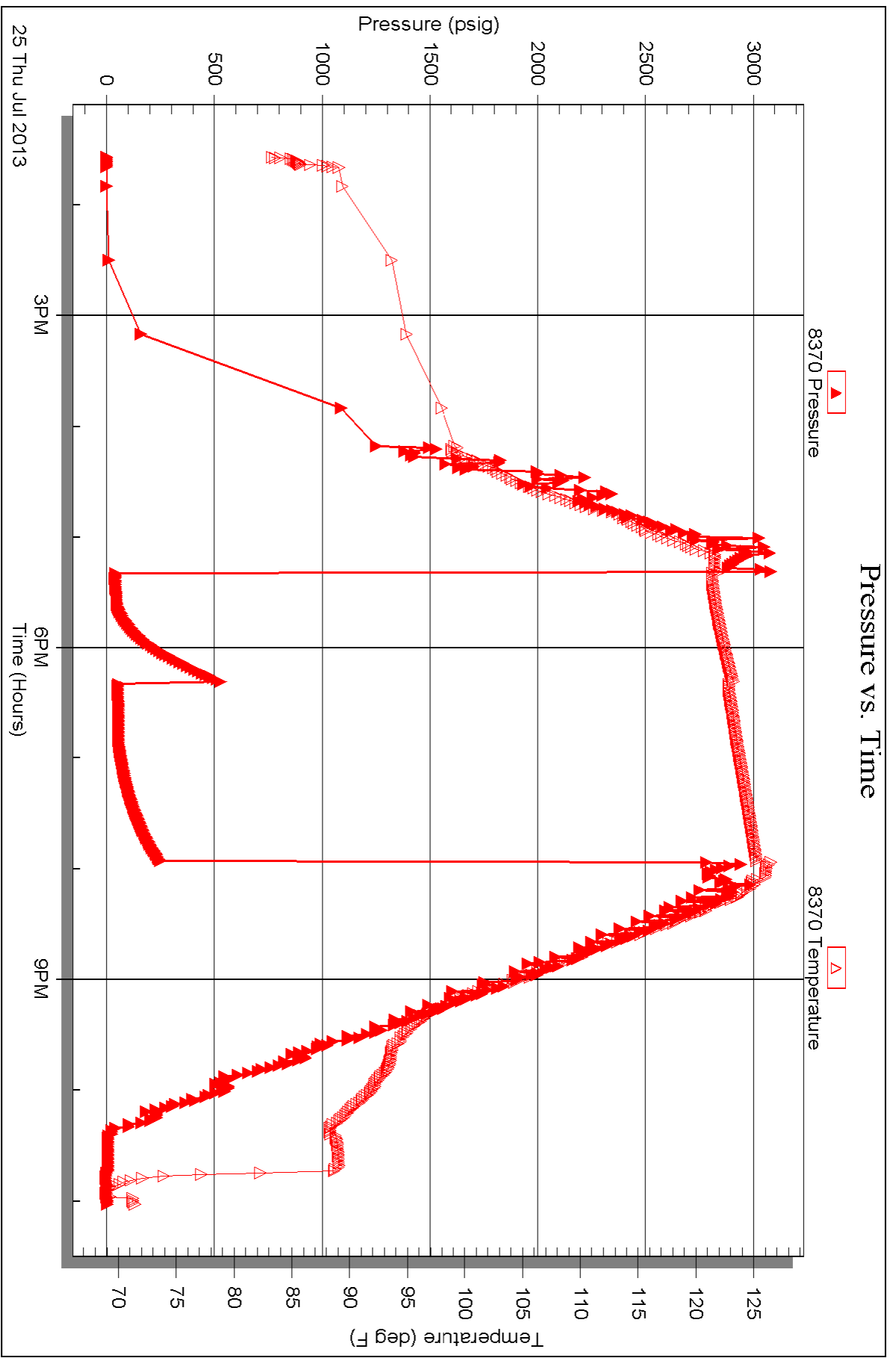


Serial #: 8370

Outside Herrman L Loeb LLC

Dora Taylor #3-22

DST Test Number: 3





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47517

4/10

Well Name & No. Dora Taylor #3-22 Test No. 1 Date 7-22-13  
 Company Herman L Loeb Elevation 2368 KB 2357 GL  
 Address Pobox 838 Lawrenceville IL 62439  
 Co. Rep / Geo. George Payne Rig Sterling #2  
 Location: Sec. 22 Twp. 34 Rge. 26 Co. Mcade State KS

Interval Tested 5443 - 5485 Zone Tested Marmaton  
 Anchor Length 42' Drill Pipe Run 5195 Mud Wt. 9.1  
 Top Packer Depth 5438 Drill Collars Run 249 Vis 54  
 Bottom Packer Depth 5443 Wt. Pipe Run 0 WL 11.6  
 Total Depth 5485 Chlorides 8,000 ppm System LCM #

Blow Description IF: Weak blow 1/2"  
ISI: NO blow back  
FF: NO blow  
FST: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>15'</u>	Feet of <u>MUD</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15' BHT 120 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2665</u>	<input checked="" type="checkbox"/> Test 1350	T-On Location <u>4:20</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>5:15</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>10:34</u>
(D) Initial Shut-In <u>68</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:00</u>
(E) Second Initial Flow <u>50</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:00</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>240 miles</u> 372	Comments
(G) Final Shut-In <u>68</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2621</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</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>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2047</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2047</u>	

Approved By \_\_\_\_\_ Our Representative Chris [Signature]

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.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 47518

4/10

Well Name & No. Dora Taylor # 3-22 Test No. 2 Date 7-24-13  
 Company Herman Loch Elevation 2368 KB 2357 GL  
 Address Pobox 838 Lawrenceville IL 62439  
 Co. Rep / Geo. Gorge Payne / Tom Prohald Rig Sterling #2  
 Location: Sec. 22 Twp. 34 Rge. 26 Co. Meade State KS

Interval Tested 5914 - 6005 Zone Tested Morrow  
 Anchor Length 91' Drill Pipe Run 5641 Mud Wt. 9.2  
 Top Packer Depth 5909 Drill Collars Run 249 Vis 5.3  
 Bottom Packer Depth 5914 Wt. Pipe Run 0 WL 10.4  
 Total Depth 6005 Chlorides 5,300 ppm System LCM 2#

Blow Description FF: weak blow 1 1/4"  
FSI: NO blow back  
FF: NO blow  
FSS: NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>65'</u>	Feet of <u>MUD</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65' BHT 125 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>3004</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>5:10</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>5:32</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:43</u>
(D) Initial Shut-In <u>105</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:15</u>
(E) Second Initial Flow <u>58</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:45</u>
(F) Second Final Flow <u>62</u>	<input checked="" type="checkbox"/> Mileage <u>100 miles</u> 372	Comments
(G) Final Shut-In <u>104</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2953</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby 1d 12.75h  
 Accessibility

Sub Total 2147

Sub Total 425  
 Total 2572  
 MP/DST Disc't

Approved By Tom Prohald Our Representative [Signature]

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52287

Well Name & No. Dora Taylor # 3-22 Test No. 3 Date 7/25/13  
 Company Herman L. Loeb, LLC Elevation 2368 KB 2357 GL  
 Address P.O. Box 838, Lawrenceville IL 62439  
 Co. Rep / Geo. G. Payne / Tom Pronold Rig Stirling Drilg # 2  
 Location: Sec. 22 Twp. 34 S Rge. 26 W Co. Meade State Ks.

Interval Tested 6025 - 6140' Zone Tested Chester  
 Anchor Length 115' Drill Pipe Run 5797 Mud Wt. 9.3  
 Top Packer Depth 6020 Drill Collars Run 215 Vis 54  
 Bottom Packer Depth 6025 Wt. Pipe Run 0 WL 10.8cc  
 Total Depth 6140 Chlorides 4,000 ppm System LCM 8#  
 Blow Description Weak blow, 1/2 - 3/4" IST: No blow

FF: Weak blow, 1/4 - 1/2" FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Only Mud (Faint Ode)</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 Fluid BHT 125° Gravity N/A API RW NC @ — °F Chlorides 4,000 ppm

(A) Initial Hydrostatic <u>2926</u>	<input checked="" type="checkbox"/> Test 1450	T-On Location <u>1105</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1338</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1719</u>
(D) Initial Shut-In <u>549</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1952</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2305</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>240</u> 372	Comments _____
(G) Final Shut-In <u>250</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2926</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>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2147</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>2147</u>	

Approved By \_\_\_\_\_ Our Representative Cary Pronold  
 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.



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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 06, 2013

Jesse Middagh  
HERMAN L. LOEB, LLC  
PO BOX 838  
LAWRENCEVILLE, IL 62439

Re: ACO1  
API 15-119-21343-00-00  
DORA TAYLOR 3-22  
NW/4 Sec.22-34S-26W  
Meade 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,  
Jesse Middagh