



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1114922  
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: \_\_\_\_\_



1114922

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](mailto: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
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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
<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	SCHMITT 4-23
Doc ID	1114922

Tops

Name	Top	Datum
Anhydrite	1683	+835
Base Anhydrite	1714	+804
Heebner	3930	-1412
Lansing	3981	-1463
BKC	4381	-1863
Marmaton	4406	-1888
Conglomerate	4606	-2088
Miss Spergen	4625	-2107
Miss Warsaw	4678	-2160

# LITHOLOGY STRIP LOG

## WellSight Systems

Scale 1:240 (5"=100') Imperial

Well Name: Schmitt #4-23  
Location: 2310' FNL&2199' FWL, Sec. 23-T22S-R25W, Hodgeman Co. KS.  
Licence Number: 15-083-21863-0000 Region: Hallet East Ext.  
Spud Date: 11/27/2012 Drilling Completed: 12/4/2012  
Surface Coordinates: 2310' FNL & 2199' FWL, Sec. 23-T22S-R25W

Bottom Hole Same as above  
Coordinates:  
Ground Elevation (ft): 2507' K.B. Elevation (ft): 2518'  
Logged Interval (ft): 3900' To: 4730' Total Depth (ft): 4730'  
Formation: Mississippian at Total Depth  
Type of Drilling Fluid: Native Mud/Gel to 3213'; Chemical Gel 3213' to 4730'  
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

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

### GEOLOGIST

Name: Jon D. Christensen  
Company: Consulting Petroleum Geologist  
Address: 9002 W. Silver Hollow St.  
Wichita, KS. 67205-8856

### Cores

None Taken

### DSTs

DST #1(Conglomerate/Miss) 4594' - 4654'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak Blow, died; FFP No Blow, no Blowback on SI's; REC: 1' Clean Oil, 3' Drilling Mud, no water; IFP 29-32#, ISIP 125#, FFP 34-37#, FSIP 64#, IHP 2273#, FHP 2212#, BHT 114 Deg. F.

DST #2(Miss. Dolomite) 4656' - 4677'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak 0.5" Blow; FFP No Blow, no Blowback on SI's; REC: 8' OCM(2%O, 98%M), no water; IFP 14-16#, ISIP 1188#, FFP 18-22#, FSIP 932# and Building, IHP 2289#, FHP 2266#, BHT 112 Deg. F.

## Comments

11/27/12 MIRU Sterling Drilling Rig #2, Spud at 10:30 PM.; 11/28/12 TD. 613' - CCH prior to setting Surface Casing; 11/29/12 Drilling at 1015'; 11/30/12 Drilling at 2863'; 12/1/12 Drilling at 4201'; 12/2/12 Drilling at 4580'; 12/3/12 TD. 4650' - CCH after DST #1; 12/4/12 RTD. 4730' - TOH for Logs, LTD. 4736' - P&A.

Set new 8 5/8" 24# Surface Casing at 607' with 345 sx. cement(Basic Energy Services). Cement Did Circulate to Pit. PD. 2:00 PM. 11/28/12.

Surveys: 0.75 Deg. at 613'(Surface Casing); 0.5 Deg. at 4400'(Bit Trip); 0.75 Deg. at 4650'(DST #1).


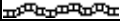
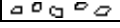

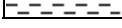

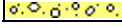





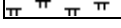

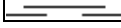
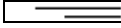
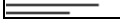



Pipe Strap at 4650'(DST #1): Strap 0.03' Short to the Board, no correction made to the Board.

After review of the Nabors Well Services LOGS, DST data, and lack of commercial amounts of hydrocarbons, the operator elected to Plug and Abandon the Schmitt #4-23 well on 12/4/2012 at RTD. 4730'.








































































LOG TOPS: Anhydrite 1683(+835), Base Anhydrite 1714(+804), Heebner Shale 3930(-1412), Toronto 3946(-1428), Lansing 3981(-1463), Kansas City 'J' 4236(-1718), Stark Shale 4279(-1761), Base Kansas City 4381(-1863), Marmaton 4406(-1888), Pawnee 4493(-1975), Fort Scott 4523(-2005), Cherokee Shale 4547(-2029), Conglomerate 4606(-2088), Miss. Spergen 4625(-2107), Miss. Warsaw 4678(-2160).

NOTE: This log was shifted downward by 4' - 5' for correlation purposes with the Nabors Well Services LOGS.
























## ROCK TYPES

 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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## ACCESSORIES

<b>MINERAL</b>  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	<b>FOSSIL</b>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom  <b>STRINGER</b>  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg  <b>TEXTURE</b>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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## OTHER SYMBOLS

<b>POROSITY</b>  Earthy  Fenest  Fracture  Inter  Moldic  Organic  Pinpoint	 Vuggy  <b>SORTING</b>  Well  Moderate  Poor	<b>ROUNDING</b>  Rounded  Subrnd  Subang  Angular  <b>OIL SHOW</b>  Even	 Spotted  Ques  Dead  <b>INTERVAL</b>  Core  Dst	<b>EVENT</b>  Rft  Sidewall
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Curve Track 1

ROP (min/ft)

Gamma (API)



TG, C1-C5

TG (Units)

C1 (units)

C2 (units)

C3 (units)

C4 (units)

C5 (units)



Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions

ROP (min/ft) 10  
Gamma (API) 150

38

HERMAN L. LOEB, LLC.

SCHMITT #4-23

GEOLOGICAL REPORT

KB. 2518'

NOTE: Drilling with PDC bit through this section

NOTE: TOPS PICKED FROM DRILLING TIME RECORDS

HEEBNER SHALE 3930(-1412)

NO SAMPLES SAVED

LANSING 3981(-1463)

3900

WOB 10-12K  
PP 950#  
SPM 68  
RPM 95-100

conn

3950

conn

Vis 50  
Wt. 9.2  
LCM 2#

conn

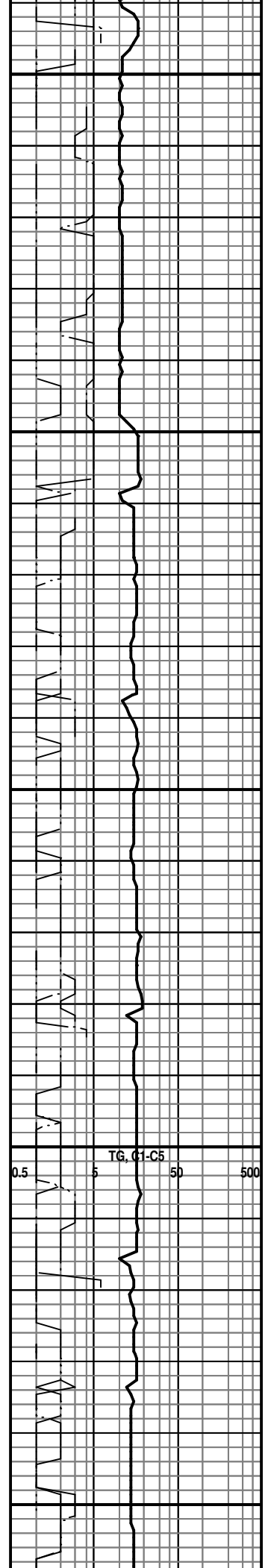
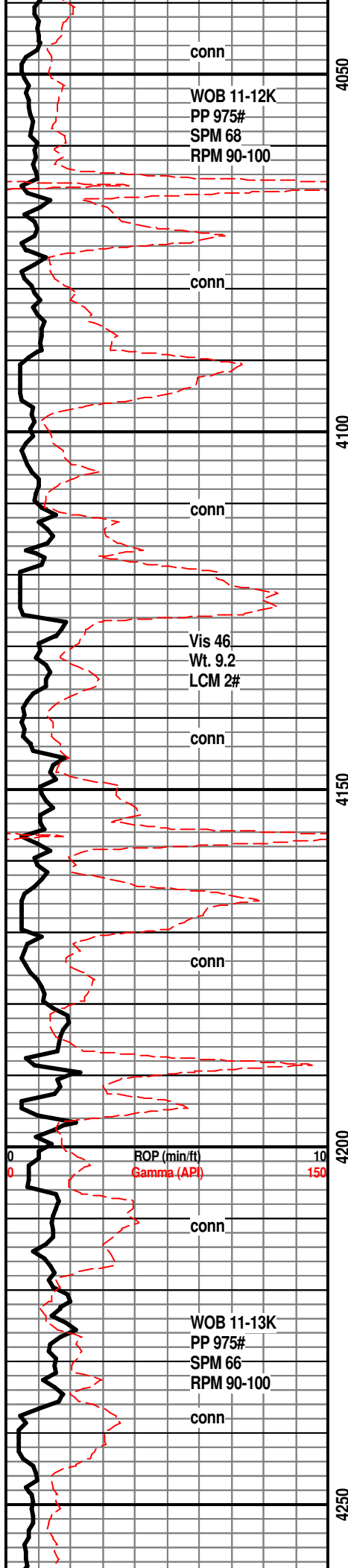
4000

ROP (min/ft) 10  
Gamma (API) 150

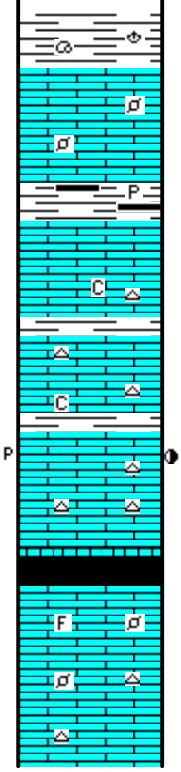
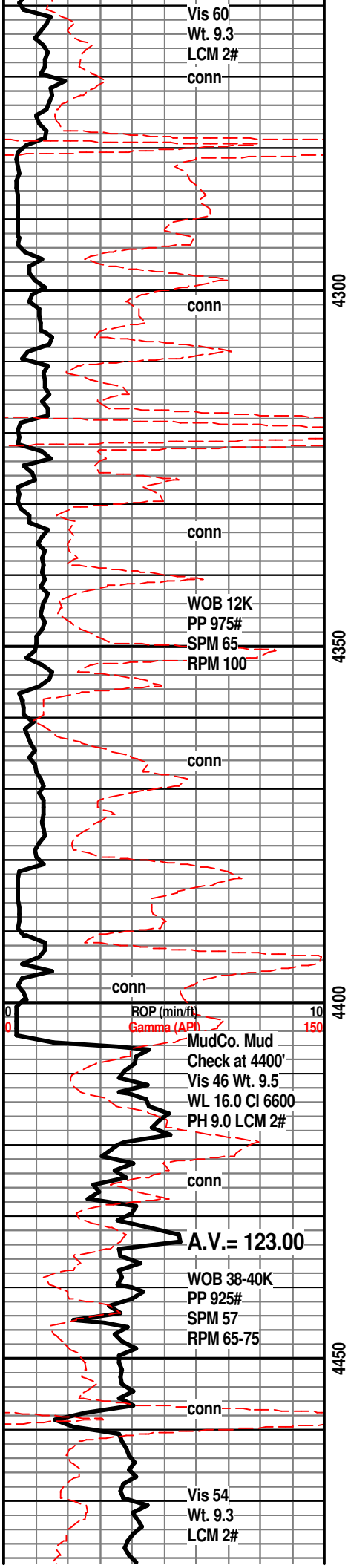
conn

TG, C1-C5 0.5 5 50 500

TG, C1-C5 0.5 5 50 500



K.C. DENNIS "J" 4236(-1718)



**BASE KANSAS CITY 4381(-1863)**

**Bit Trip at 4400' / Start 10' Samples**

**MARMATON 4406(-1888)**

LM; lt gy, tan, buff, most dense, scat well cem foss mat, spotty lt yel min fluor, no vis por, no stn or odor, ns.

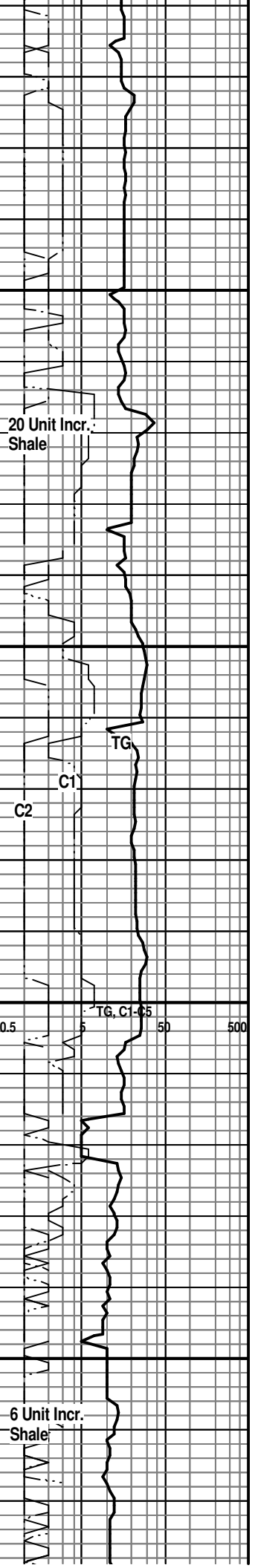
SH; dk gy, blk, platy, occ pyr

LM; off wh, tan, buff, fxl n to micritic, scat trans/opaque cht, minor soft chalky mtx, occ lt yel min fluor, no stn or odor, ns.

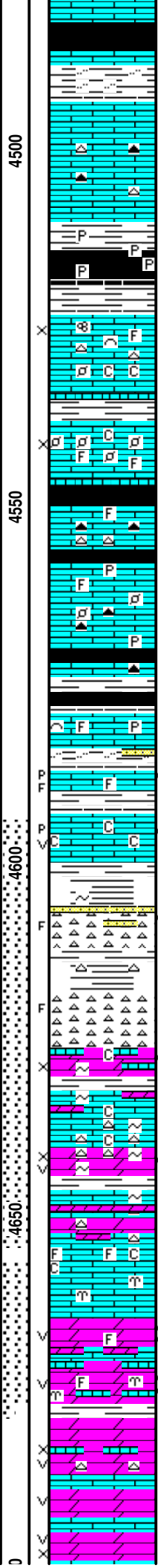
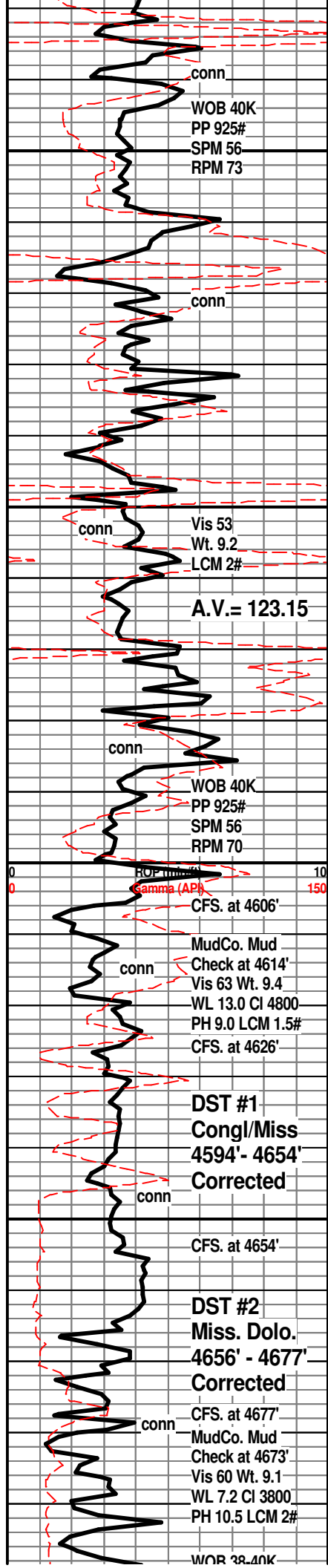
LM; off wh, tan, fxl n, poor to fair p-p por w/spotted med brn oil stn, faint odor when crushed, no F.O., no apparent gas kick, lt yel fluor, looks tite, interbdd opaque cht

SH; blk, carb ip, platy

LM; off wh, cream, tan, scat foss mat, most well cem, much hd dense occ cherty micrite, dull yel min fluor, no vis por, ns.







SH; blk, carb, soft to blocky, trc gas

SH; med gy, grn, rust red, platy, silty  
**PAWNEE 4493(-1975)**

LM; lt brn, tan, buff, fxln w/trc sucrosic text, hd, no vis por, scat tan to amber cht, occ lt yel min fluor, no stn or odor, ns.

SH; dk gy, blk, platy, carb ip, scat pyr

**FORT SCOTT 4523(-2005)**

LM; lt to med brn, tan, foss ip, most fxln w/trc poor interxln por, minor gy to tan cht, lt yel min fluor, no stn or odor, ns.

LM; off wh, wh, buff, foss w/scat small pellets, chalky soft mtz ip, trc poor interpart por, no stn odor, no sample shows

**CHEROKEE SHALE 4547(-2029)**

SH; blk, carb ip, platy  
LM; med brn, foss ip, scat foss hash and small pellets, most well cem, hd, no vis por, occ org to brn foss cht, ns.

LM; lt to med brn, pyr ip, most dense, occ well cem foss mat, trc org/brn cht, no vis por, no stn or odor, ns.

SH; blk, gy grn, some varic w/red, platy, firm, interbdd hd lmy shale strngs.

LM; off wh, tan, fxln, rarely foss, scat edge stn - poss frags, poor p-p por, dk brn/blk dead stn, no live oil, no odor, med yel fluor

LM; off wh, wh, fxln, occ soft chalky mtz, spotted med/dk brn stn, fair p-p w/occ vug por, no F.O., v. faint odor, med to brite yel fluor

**CONGLOMERATE CHT. 4606(-2088)**

CHT; org, yel, transl, fresh - fractured ip, some nodular, trc trip, interbdd grn vf to f gr qtz ss w/live oil stn, no stn or odor, trc blk dead tar/gilsonite, interbdd varic sh

CHT; org, yel/org, red, most fresh, frags, much varic sh, no stn or odor, no gas kick, ns.

**MISSISSIPPI SPERGEN 4626(-2108)**

LM & DOL; wh, off wh, lt gy, med xln to cse, scat soft chalky mtz, dolomitic w/ interbdd dolo. lmst, scat dk brn/blk spotted to dead stn, poor interxln por, lt yel fluor, no odor, occ glau

DOL; lt/med gy, sucrosic, occ cherty, poor to fair interxln w/rare vug por, lt yel fluor, v. faint odor, spotted med brn stn, faint odor, glau ip, interbdd hd lmy dolo/dolomitic lmst.

**DST #1: Conglom./Miss. 4594' - 4654' Corrected Depths to LOG**

LM; off wh, tan, f/med xln, foss ip, chalky ip, ns.  
DOL; tan, lt brn, sucrosic, fair/gd vug por, gd odor, spotted/even brn stn, med yel fluor, SSFO

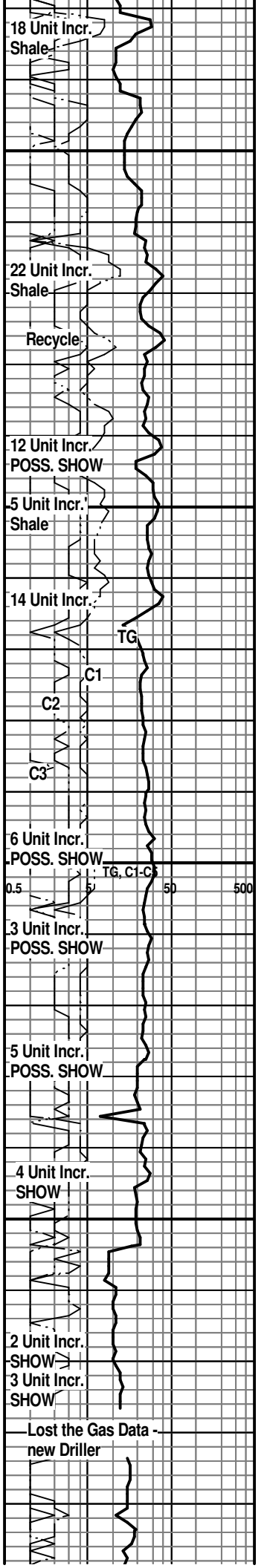
DOL; tan/gy, sucrosic, lmy ip, scat gd vug por, med yel fluor, gd odor, SSFO, altered foss mat, fair/gd cut, spotted/even med brn stn

**DST #2: Miss. Dolo. 4656' - 4677'**

**MISS. WARSAW 4678(-2160)**

DOL; lt gy, sucrosic to fine rhombic, cherty ip, fair interxln w/scat vug por, dull yel fluor, ns.

DOL; tan, lt brn, sucrosic, fair to gd interxln w/vug por, dull vel min fluor. no stn/odor. ns.







## DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838  
Lawrenceville, IL 62439

ATTN: Jon Christensen

### **Schmitt #4-23**

### **23-22s-25w-Hodgeman,KS**

Start Date: 2012.12.02 @ 17:30:27

End Date: 2012.12.03 @ 03:26:57

Job Ticket #: 48744                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.12.05 @ 10:22:35

Herman L. Loeb, LLC

23-22s-25w-Hodgeman,KS

Schmitt #4-23

DST # 1

Conglomerate-Mississ

2012.12.02



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

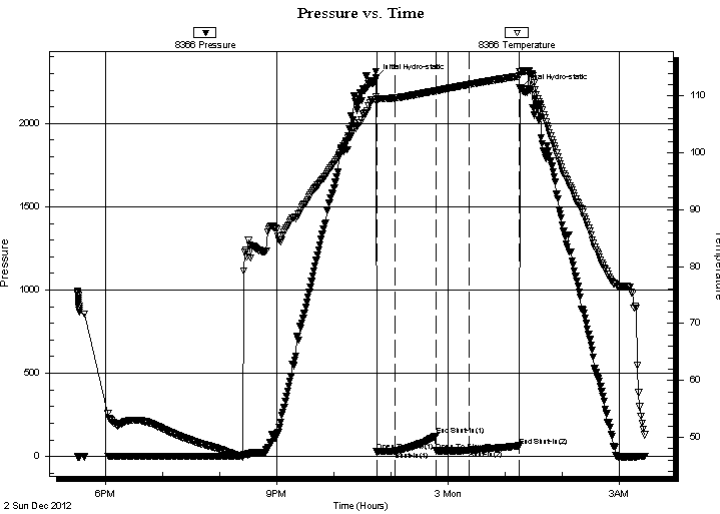
**23-22s-25w-Hodgeman, KS**  
**Schmitt #4-23**  
 Job Ticket: 48744      **DST#: 1**  
 Test Start: 2012.12.02 @ 17:30:27

## GENERAL INFORMATION:

Formation: **Conglomerate-Mississ**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:44:27  
 Time Test Ended: 03:26:57  
 Interval: **4590.00 ft (KB) To 4650.00 ft (KB) (TVD)**  
 Total Depth: 4650.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2518.00 ft (KB)  
 2507.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8366      Inside**  
 Press @ RunDepth: 37.16 psig @ 4627.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.12.02      End Date: 2012.12.03      Last Calib.: 2012.12.03  
 Start Time: 17:30:29      End Time: 03:26:57      Time On Btm: 2012.12.02 @ 22:43:57  
 Time Off Btm: 2012.12.03 @ 01:14:57

**TEST COMMENT:** IFP-Surge Upon Open, Dead After  
 ISI-Dead  
 FFP- Dead  
 FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.56	109.91	Initial Hydro-static
1	29.49	108.94	Open To Flow (1)
21	32.46	109.63	Shut-In(1)
63	124.99	110.91	End Shut-In(1)
63	34.18	110.86	Open To Flow (2)
98	37.16	112.00	Shut-In(2)
151	63.79	113.46	End Shut-In(2)
151	2212.02	114.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.00
3.00	Drilling Mud	0.01

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**23-22s-25w-Hodgeman, KS**  
**Schmitt #4-23**  
 Job Ticket: 48744      **DST#: 1**  
 Test Start: 2012.12.02 @ 17:30:27

**Tool Information**

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 216.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 62.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4590.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4568.00	
Shut In Tool	5.00			4573.00	
Hydraulic tool	5.00			4578.00	
Safety Joint	2.00			4580.00	
Packer	5.00			4585.00	23.00      Bottom Of Top Packer
Packer	5.00			4590.00	
Stubb	1.00			4591.00	
Perforations	2.00			4593.00	
Change Over Sub	1.00			4594.00	
Blank Spacing	32.00			4626.00	
Change Over Sub	1.00			4627.00	
Recorder	0.00	8366	Inside	4627.00	
Recorder	0.00	8289	Outside	4627.00	
Perforations	20.00			4647.00	
Bullnose	3.00			4650.00	60.00      Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE**  
TESTING, INC.

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**23-22s-25w-Hodgeman,KS**  
**Schmitt #4-23**  
Job Ticket: 48744      **DST#: 1**  
Test Start: 2012.12.02 @ 17:30:27

**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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

**Recovery Information**

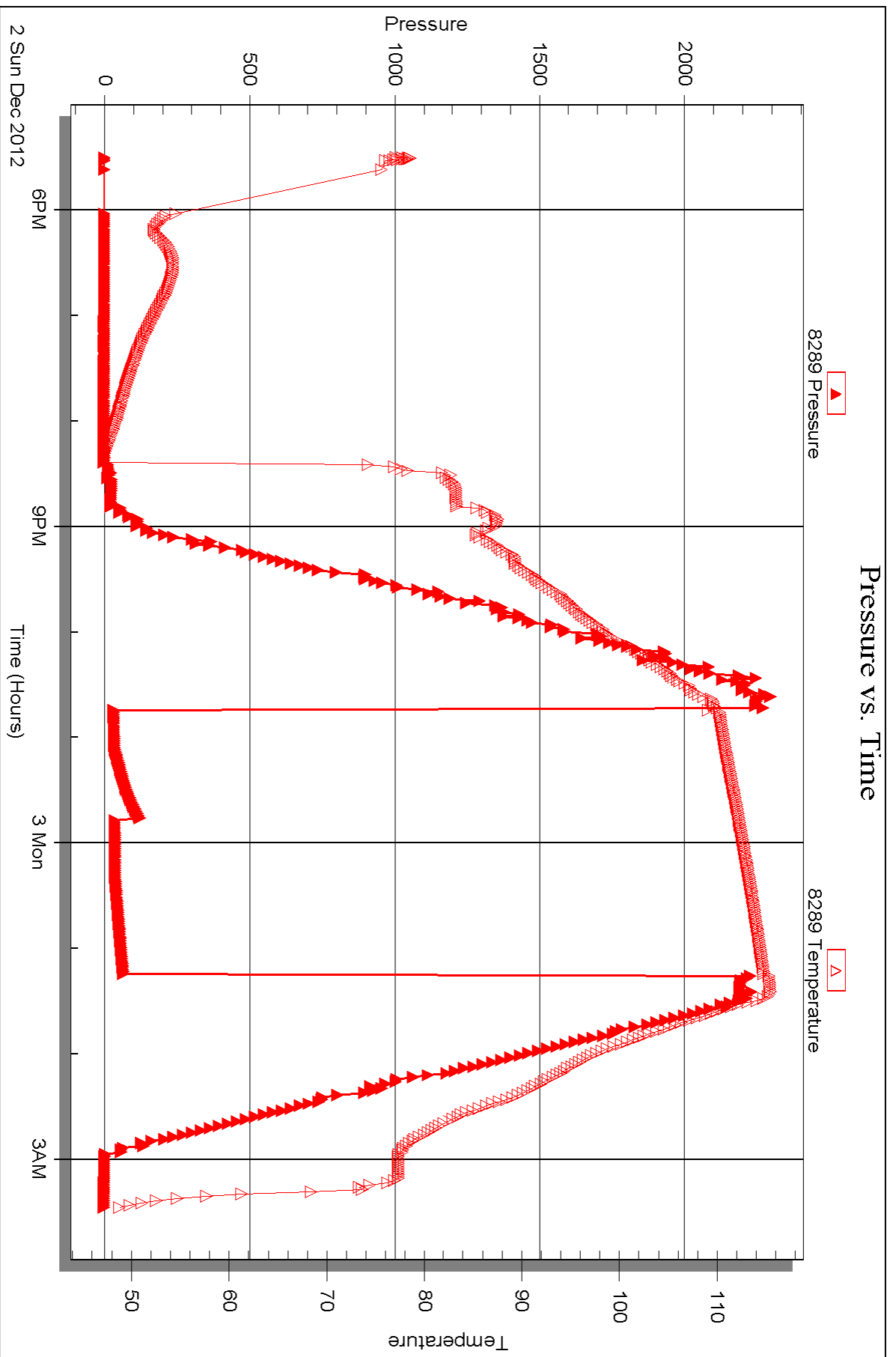
Recovery Table

Length ft	Description	Volume bbl
1.00	Free Oil	0.005
3.00	Drilling Mud	0.015

Total Length: 4.00 ft      Total Volume: 0.020 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: Jon Christensen

### **Schmitt #4-23**

#### **23-22s-25w-Hodgeman,KS**

Start Date: 2012.12.03 @ 11:34:36

End Date: 2012.12.03 @ 20:35:36

Job Ticket #: 48745                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.12.05 @ 10:21:53



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

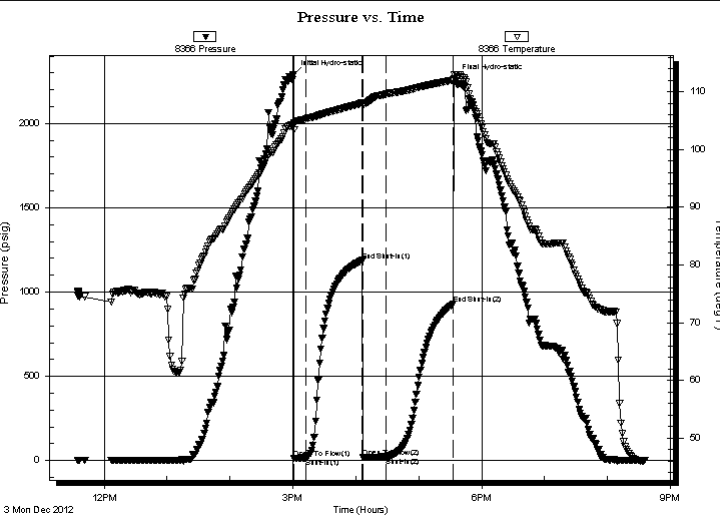
**23-22s-25w-Hodgeman, KS**  
**Schmitt #4-23**  
 Job Ticket: 48745      **DST#: 2**  
 Test Start: 2012.12.03 @ 11:34:36

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 15:01:06 Tester: Jason McLemore  
 Time Test Ended: 20:35:36 Unit No: 54  
 Interval: **4652.00 ft (KB) To 4673.00 ft (KB) (TVD)** Reference Elevations: 2518.00 ft (KB)  
 Total Depth: 4673.00 ft (KB) (TVD) 2507.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8366      Inside**  
 Press @ Run Depth: 22.04 psig @ 4655.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.12.03 End Date: 2012.12.03 Last Calib.: 2012.12.03  
 Start Time: 11:34:38 End Time: 20:35:36 Time On Btm: 2012.12.03 @ 15:00:51  
 Time Off Btm: 2012.12.03 @ 17:34:06

TEST COMMENT: IFP-Weak Blow , Built to 1/2"  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.60	104.69	Initial Hydro-static
1	13.69	103.44	Open To Flow (1)
12	16.49	105.31	Shut-In(1)
66	1187.75	108.05	End Shut-In(1)
66	18.49	107.60	Open To Flow (2)
88	22.04	109.61	Shut-In(2)
153	932.22	112.04	End Shut-In(2)
154	2265.79	113.03	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
8.00	V SOCM-2%O-98%M	0.04

\* 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  
 PO Box 838  
 Lawrenceville, IL 62439  
 ATTN: Jon Christensen

**23-22s-25w-Hodgeman, KS**  
**Schmitt #4-23**  
 Job Ticket: 48745      **DST#: 2**  
 Test Start: 2012.12.03 @ 11:34:36

**Tool Information**

Drill Pipe:	Length: 4423.00 ft	Diameter: 3.80 inches	Volume: 62.04 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 216.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4652.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4630.00	
Shut In Tool	5.00			4635.00	
Hydraulic tool	5.00			4640.00	
Safety Joint	2.00			4642.00	
Packer	5.00			4647.00	23.00      Bottom Of Top Packer
Packer	5.00			4652.00	
Stubb	1.00			4653.00	
Perforations	2.00			4655.00	
Recorder	0.00	8366	Inside	4655.00	
Recorder	0.00	8289	Outside	4655.00	
Perforations	15.00			4670.00	
Bullnose	3.00			4673.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**23-22s-25w-Hodgeman,KS**  
**Schmitt #4-23**  
 Job Ticket: 48745      **DST#: 2**  
 Test Start: 2012.12.03 @ 11:34:36

**Mud and Cushion Information**

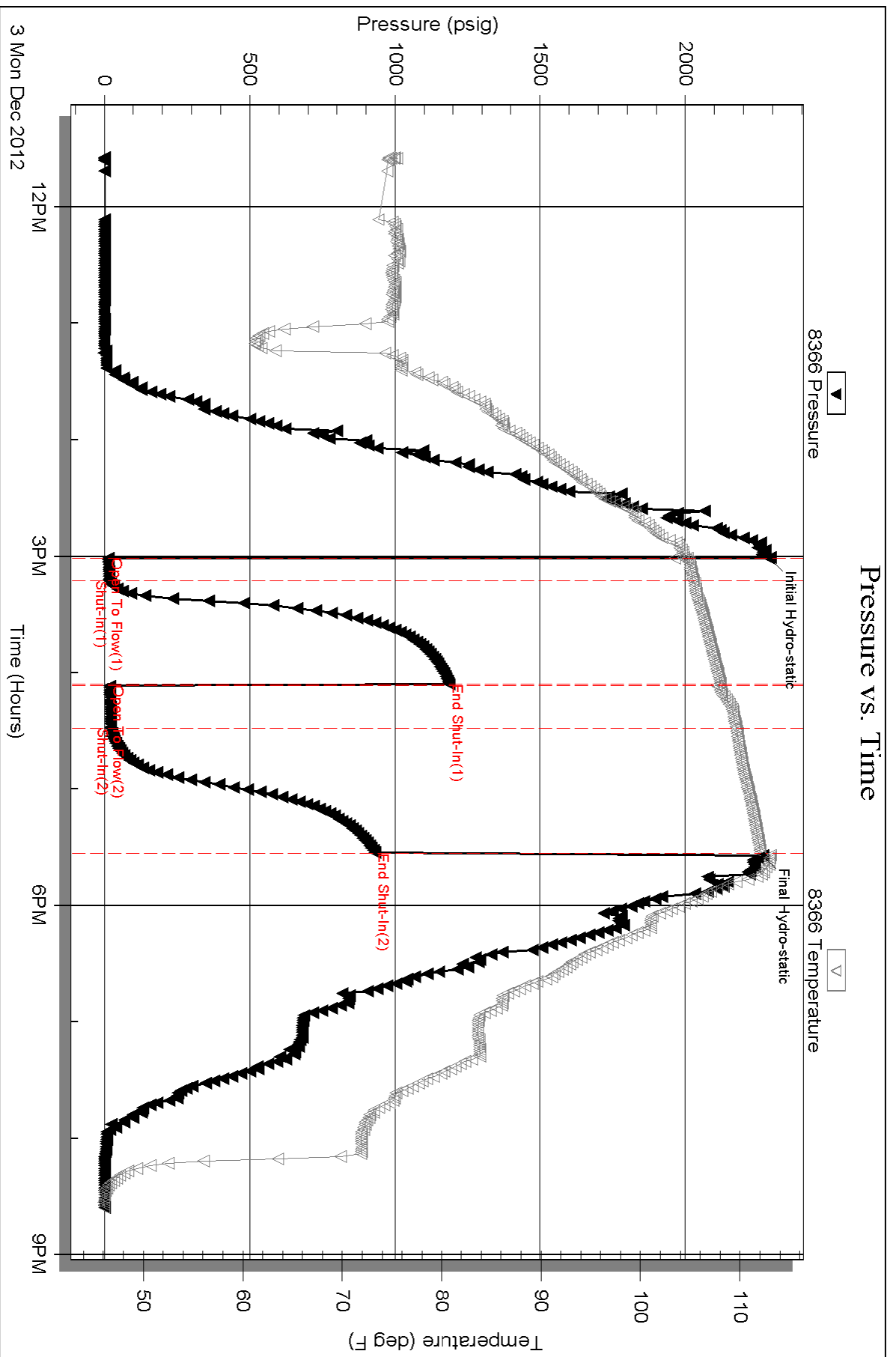
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
8.00	VSOCM-2%O-98%M	0.039

Total Length: 8.00 ft      Total Volume: 0.039 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

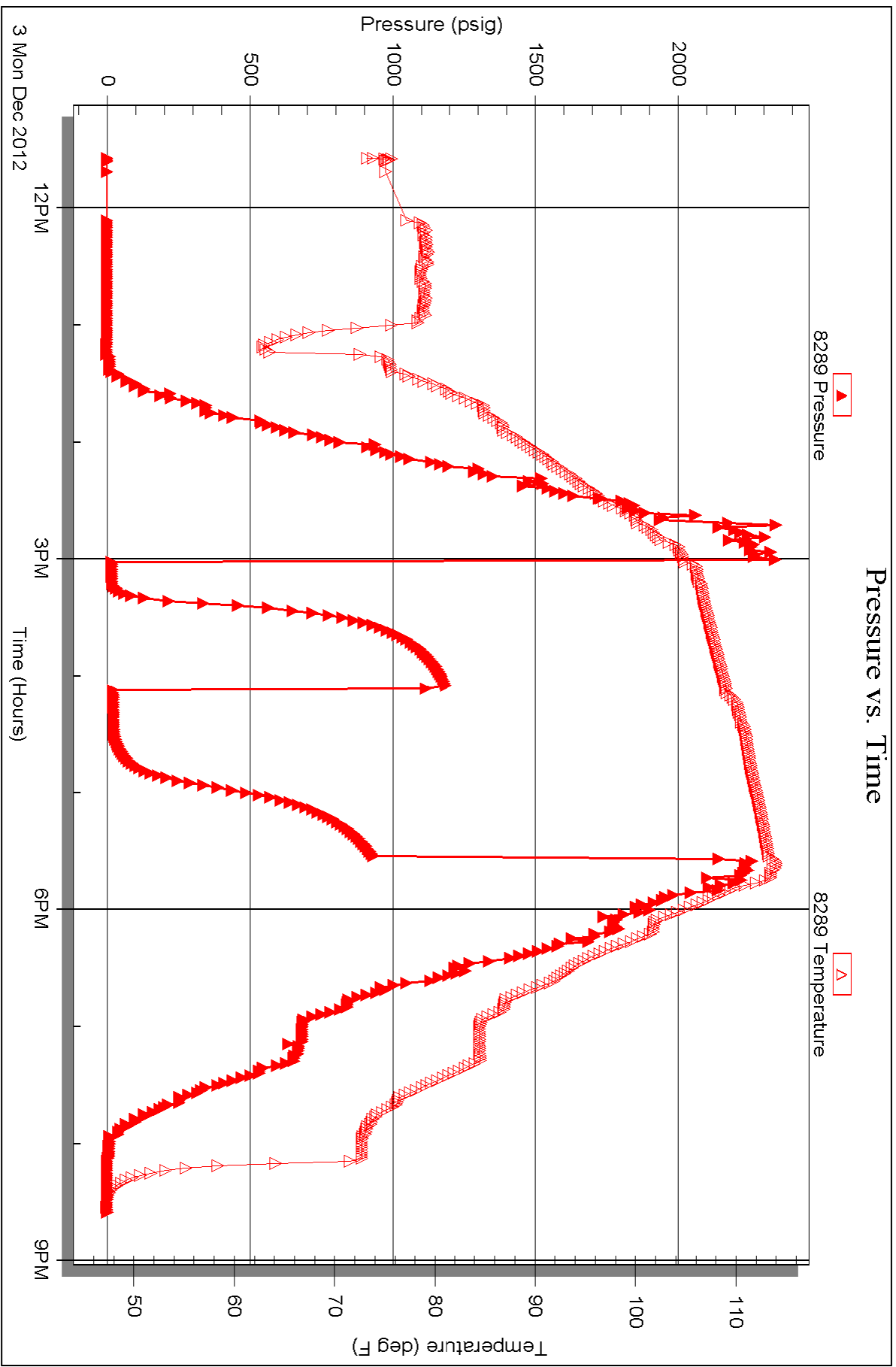


Serial #: 8289

Outside Herman L. Loeb, LLC

Schnitt #4-23

DST Test Number: 2

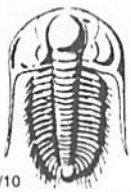


Triobite Testing, Inc

Ref. No: 48745

Printed: 2012.12.05 @ 10:21:58





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48744

Well Name & No. Schmitt #4-23 Test No. 1 Date 12-2-12  
 Company Herman L. Loeb, LLC Elevation 2518 KB 2507 GL  
 Address PO Box 838, Lawrenceville, IL. 62439  
 Co. Rep / Geo. Jon Christensen Rig Sterling #2  
 Location: Sec. 23 Twp. 22 Rge. 25w Co. Hodgeman State KS

Interval Tested 4590-4650 Zone Tested Conglomerate / Mississippi  
 Anchor Length 60' Drill Pipe Run 4362 Mud Wt. 9.4  
 Top Packer Depth 4585 Drill Collars Run 216 Vis 63  
 Bottom Packer Depth 4590 Wt. Pipe Run 0 WL 13.0  
 Total Depth 4650 Chlorides 4800 ppm System LCM 1 1/2 #  
 Blow Description I FP- Kick upon Open, Dead  
ISI- Dead  
FFP- Dead  
FSI- Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>				
<u>3</u>	<u>Mud</u>				
Rec Total <u>4</u>	BHT <u>114°</u>	Gravity	API RW	@	°F Chlorides

(A) Initial Hydrostatic 2273  Test 1250 T-On Location 17:15  
 (B) First Initial Flow 29  Jars T-Started 17:28  
 (C) First Final Flow 32  Safety Joint 75 T-Open 22:45  
 (D) Initial Shut-In 125  Circ Sub T-Pulled 1:15  
 (E) Second Initial Flow 34  Hourly Standby T-Out 3:26  
 (F) Second Final Flow 37  Mileage 190 ft 294.50 Comments  
 (G) Final Shut-In 64  Sampler  
 (H) Final Hydrostatic 2212  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 0  
 Day Standby Total 1619.50  
 Accessibility MP/DST Disc't  
 Sub Total 1619.50

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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. 48745

Well Name & No. Schmitt #4-23 Test No. 2 Date 12-3-12  
 Company Herman L. Loeb, LLC Elevation 2518 KB 2507 GL  
 Address PO Box 838, Lawrenceville, IL 62439  
 Co. Rep / Geo. Jon Christensen Rig Starling #2  
 Location: Sec. 23 Twp. 22s Rge. 25w Co. Hodgeman State KS

Interval Tested 4652-4673 Zone Tested Mississippi  
 Anchor Length 21' Drill Pipe Run 4423 Mud Wt. 9.1  
 Top Packer Depth 4647 Drill Collars Run 216 Vis 60  
 Bottom Packer Depth 4652 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4673 Chlorides 3800 ppm System LCM 2<sup>F</sup>  
 Blow Description IFP- Weak Blow, Built to 1/2"  
ISI- Dead  
FFA- Dead  
FSI- Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>VSOCM</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 8 BHT 112° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2289  Test 1250 T-On Location 11:22  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 11:32  
 (C) First Final Flow 16  Safety Joint 75 T-Open 15:01  
 (D) Initial Shut-In 1188  Circ Sub \_\_\_\_\_ T-Pulled 17:31  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 20:34  
 (F) Second Final Flow 22  Mileage 294.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 932  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2266  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 15  Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1619.50 Sub Total \_\_\_\_\_  
 Total 1619.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_  
 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.





2076  
701 Schmitt  
6438

PAGE 1 of 1	CHST NO 1007589	INVOICE DATE 11/30/2012
INVOICE NUMBER 1717 - 91062002		

**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 Schmitt #4-23  
**O** LOCATION  
**B** COUNTY Hodgeman  
**S** STATE KS  
**I** JOB DESCRIPTION Cement-New Well Casing/Pi  
**T**  
**E** JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40539616	27462		Net - 30 days	12/30/2012
<b>For Service Dates: 11/28/2012 to 11/28/2012</b>				
0040539616				
171703332A Cement-New Well Casing/Pi 11/28/2012 8 5/8" Surface				
A-Serv Lite	180.00	EA	9.75	1,755.00 T
Premium Plus Cement	165.00	EA	12.22	2,017.12 T
Celloflake	87.00	EA	2.78	241.43 T
Calcium Chloride	626.00	EA	0.79	492.98 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	168.75	168.75
"Flapper Ins. Ft. Vlv., 8 5/8"" (Blue)	1.00	EA	210.00	210.00
"Guide Shoe - Regular, 8 5/8"" (Blue)"	1.00	EA	285.00	285.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	3.19	318.75
Heavy Equipment Mileage	200.00	MI	5.25	1,050.00
"Proppant & Bulk Del. Chgs., per ton mil	1,565.00	EA	1.20	1,878.00
Depth Charge; 501'-1000'	1.00	EA	900.00	900.00
Blending & Mixing Service Charge	345.00	BAG	1.05	362.25
Plug Container Util. Chg.	1.00	EA	187.50	187.50
High Head Charge (Over 6')	1.00	EA	225.00	225.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

**PAID**  
**35753**  
**DEC 14 2012**  
**SCANNED**

<b>PLEASE REMIT TO:</b>	<b>SEND OTHER CORRESPONDENCE TO:</b>	<b>SUB TOTAL</b>	<b>10,223.03</b>
<b>BASIC ENERGY SERVICES, LP</b>	<b>BASIC ENERGY SERVICES, LP</b>	<b>TAX</b>	<b>335.74</b>
<b>PO BOX 841903</b>	<b>801 CHERRY ST, STE 2100</b>	<b>INVOICE TOTAL</b>	<b>10,558.77</b>
<b>DALLAS, TX 75284-1903</b>	<b>FORT WORTH, TX 76102</b>		





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

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 03332 A

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

DATE OF JOB 11-28-12		DISTRICT 1717		NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER Herman L Loeb LLC				LEASE Schmit #4-23				WELL NO.	
ADDRESS				COUNTY Hodgeman		STATE KS			
CITY				STATE		SERVICE CREW 242-85 Surface			
AUTHORIZED BY J. Bennett				JOB TYPE: 2 Tibra, V Ungruz					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19902	8						11-28-12	AM	4:30
27462	8					ARRIVED AT JOB		AM	5:30
14354	4					START OPERATION		AM	1:00
19578	4					FINISH OPERATION		AM	2:00
						RELEASED		AM	3:00
						MILES FROM STATION TO WELL	100 mi		

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	
CL106	A Service Fee	SK	150		2340 00	
CL110	Premium Plus	SK	165		2689 50	
CC102	Cemflake	lb	77		321 90	
CC104	Calcium Chloride	lb	626		657 30	
CE05	85# Top Rubber Plug	ea	1		225 00	
CE1433	+ Insert		1		250 00	
CE253	+ Guide Shoe		1		350 00	
E100	Unit Mileage	mi	100		425 00	
E101	Heavy Equipment Mileage	mi	200		1400 00	
E113	Proponent's Bulk Delivery	cu/yd	161		2504 00	
CE201	Pump Depth: 501-1000	hr	1		1200 00	
CE240	Blending & Mixing Service	SK	315		483 00	
CE304	Plug Materials	ea	1		250 00	
CE303	Head Rod 13'	ea	1		300 00	
S003	Service Supervisor	hr	1		175 00	
					SUB TOTAL	110223 00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>Paul Owen</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
--------------------------------------------	-------------------------------------------------------------------------------------------

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer	Herman L Loeb LLC		Lease No.		Date	11-28-12	
Lease	Schmitt #		Well #	4-23	Service Receipt	03332	
Casing	8 5/8" 24#	Depth	613'	County	Hodgeeman	State	KS
Job Type	242 8 5/8" Surface		Formation		Legal Description	23-22-25	
<b>Pipe Data</b>			<b>Perforating Data</b>			<b>Cement Data</b>	
Casing size	8 5/8" 24#	Tubing Size		<b>Shots/Ft</b>		Lead 180 sk	
Depth	613'	Depth		From	To	A-Serv	
Volume	Disp-36.4 bbl	Volume		From	To		
Max Press	1500#	Max Press		From	To	Tail in 165 sk	
Well Connection	TD-600'	Annulus Vol.		From	To	Prem Plus	
Plug Depth	ST-42'	Packer Depth		From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
8:30					on loc-site assesment		
8:45					Spot trucks- rig up		
9:30					start csq + float equip		
1:00					csq on btm, break circ		
1:00					safety meeting / JSA		
1:25					pressure test 2000#		
1:30	200		52	4	mix & pump lead cmt 180 sk A-Serv w/ 3% CC, 4# CF @ 13.4 ppg - 1.62 ft <sup>3</sup> /sk - 8.19 gal/sk		
1:45	200		40	4	switch to tail cmt 165 sk Class C w/ 2% CC, 4# CF @ 14.8 ppg - 1.34 ft <sup>3</sup> /sk - 6.30 gal/sk		
1:50	0		0	4	drop plug disp csq		
2:00	300		25	2	slow rate last 10 bbl of disp		
2:05	600		36	0	land plug float held circ cmt to surface job complete		
Service Units	14902	27462	14354-19578				
Driver Names	A Owen	C Ilarra	X Vasquez				

G Payne  
Customer Representative

J Bennett  
Station Manager

A Owen  
Cementer





6076  
701 Schmitt  
6438

PAGE 1 of 1	CUST NO 1007589	INVOICE DATE 12/05/2012
INVOICE NUMBER <b>1718 - 91066600</b>		

Pratt (620) 672-1201  
 B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 L IL US 62439  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Schmitt 4-23  
 O LOCATION  
 B COUNTY Hodgeman  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40541739	19905		Net - 30 days	01/04/2013	
<b>For Service Dates: 12/04/2012 to 12/04/2012</b>					
0040541739					
171807168A Cement-New Well Casing/Pi 12/04/2012 Cement PTA					
60/40 POZ		210.00	EA	9.00	1,889.99 T
Celloflake		53.00	EA	2.78	147.08 T
Cement Gel		362.00	EA	0.19	67.88 T
"Unit Mileage Chg (PU, cars one way)"		100.00	MI	3.19	318.75
Heavy Equipment Mileage		200.00	MI	5.25	1,050.00
"Proppant & Bulk Del. Chgs., per ton mil		905.00	EA	1.20	1,086.00
Depth Charge; 1001'-2000'		1.00	EA	1,125.00	1,125.00
Blending & Mixing Service Charge		210.00	BAG	1.05	220.50
"Service Supervisor, first 8 hrs on loc.		1.00	EA	131.25	131.25

PAID  
36002  
DEC 14 2012  
21  
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,036.45
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	156.82
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	6,193.27
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





**TREATMENT REPORT**

Customer Norman, Leslie Lease No. \_\_\_\_\_ Date 12-4-2010  
 Lease 11675 Well # 4-23  
 Field Order # \_\_\_\_\_ Station Perm. K. Casing 4" D.I. Depth \_\_\_\_\_ County Hutchinson State Ks.  
 Type Job Perm. Test Formation \_\_\_\_\_ Legal Description 2-12-25

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <u>4" D.I.</u>	Tubing Size <u>3" D.I.</u>	Shots/Ft	<u>117</u>	Acid <u>10% HCl</u>	RATE	PRESS	ISIP	
Depth <u>120'</u>	Depth <u>120'</u>	From	To	Pre Pad <u>1.5' hole</u>	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press <u>2112</u>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <u>S.V.</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative E. W. ... Station Manager D. ... Treater K. ...

Service Units	<u>3750</u>	<u>1143</u>	<u>1145</u>	<u>1049</u>	<u>1110</u>				
Driver Names	<u>Leslie</u>	<u>...</u>	<u>---</u>	<u>...</u>	<u>---</u>				

Time	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	Service Log
4:00 PM					CALLING - SAFETY MEETING
4:15 PM					3750 GAL. 100' of 3000 GAL.
4:30 PM	200		15	6	11% AHEAD
4:45 PM	200		17.5	6	MIN 50 GAL. @ 15.8 BTU/G
5:00 PM	200		4	6	11% BEHIND
5:15 PM	200		17	6	ADD DISPLACEMENT
5:30 PM					3750 GAL. 100' of 3000 GAL.
5:45 PM	200		5	6	11% AHEAD
6:00 PM	200		10	6	MIN 50 GAL. @ 15.8 BTU/G
6:15 PM	200		8.5	6	11% BEHIND
6:30 PM	200		5	4	3750 GAL. 100' of 3000 GAL.
6:45 PM	200		10.5	4	MIN 50 GAL. @ 15.8 BTU/G
7:00 PM	200		4.5	4	11% BEHIND
7:15 PM					AFTER PLUG - 100' of 3000 GAL.
7:30 PM	200		5	2	MIN 50 GAL. @ 15.8 BTU/G
7:45 PM					ADD TO WASTE
8:00 PM			6.4	2	P.A. ...



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

February 16, 2013

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

Re: ACO1  
API 15-083-21863-00-00  
SCHMITT 4-23  
NW/4 Sec.23-22S-25W  
Hodgeman 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