



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1091498

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	REDETZKE 5-22
Doc ID	1091498

Tops

Name	Top	Datum
Anhydrite	1695	+835
Base Anhydrite	1726	+804
Chase	2533	-3
Heebner Shale	3910	-1380
Lansing	3956	-1426
BKC	4263	-1733
Marmaton	4386	-1856
Fort Scott	4504	-1974
Conglomerate	4582	-2052
Miss Spergen	4598	-2068
Miss Warsaw	4668	-2138

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Redetzke #5-22
Location: 1070' FNL&1520' FEL, Sec. 22-T22S-R25W, Hodgeman Co., KS.
Licence Number: 15-083-21826-0000 Region: Hallet Field
Spud Date: 8/7/2012 Drilling Completed: 8/15/2012
Surface Coordinates: 1070' FNL & 1520' FEL, Sec. 22-T22S-R25W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2519' K.B. Elevation (ft): 2530'
Logged Interval (ft): 3900' To: 4720' Total Depth (ft): 4720'
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3311'; Chemical Gel 3311' to 4720'
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(Miss. Spergen Dolomite) 4580' - 4618' Test Times 15"-45"-30"-60" IFP Weak 0.5" Blow, FFP Weak 0.25" Blow built to 1", No Blowback on SI's; REC: 45' Gas in Pipe, 45' OCM(11%O, 89%M), no Water; IFP 19-28#, ISIP 547#, FFP 36-43#, FSIP 281#, IHP 2258#, FHP 2117#, BHT 118 Deg. F.

DST #2(Miss. Spergen Dolomite) 4620' - 4650' Test Times 15"-45"-45"-90" IFP Weak Blow building to Fair 6.5" Blow, FFP Weak Blow building to Fair 7" Blow, No Blowback on SI's; REC: 1' Clean Oil, 84' SOCMW(2%O, 55%W, 43%M), 125' MW w/oil specks(88%W, 12%M), 125' SW(CI 55,000 Mud 2600); IFP 21-106#, ISIP 430#, FFP 112-170#, FSIP 424#, IHP 2281#, FHP 2277#, BHT 124 Deg. F.

Comments

8/7/12 MIRU Sterling Drilling Co. Rig #2, Spud at 5:30 PM; 8/8/12 TD. 583' - WOC; 8/9/12 Drilling at 1235'; 8/10/12 Drilling at 2512'; 8/11/12 Drilling at 3183'; 8/12/12 Drilling at 3740'; 8/13/12 Drilling at 4260'; 8/14/12 Drilling at 4616'; 8/15/12 TD. 4650' - TIH for DST #2; 8/16/12 RTD. 4720', LTD 4720', TIH to LDDP; 8/17/12 RTD. 4720' - Production Casing set -Rig Down.

Set new 8 5/8"(24#) Surface Casing at 578' w/ 325 sx. Cement(Basic Energy Services). Cement did Circulate. PD. 6:00 AM. 8/8/12.

Set new 5 1/2"(15.5#) Production Casing at 4715' w/200 sx. of "Loeb Blend"(Basic Energy Services). PD. 8:30 PM. 8/16/12. DV. tool set at 1721'.


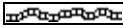
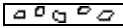










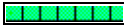

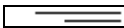
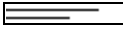



Surveys: 0.50 Deg. at 583'(Surface Casing); 1 Deg. at 4618'(DST #1); 1 Deg. at 4720' RTD.

Pipe Strap at 4618'(DST #1): Strap 0.54' Short to the Board(fairly windy conditions), no correction made to the Board.








































































After review of the Superior Well Service Logs, structural position, and a need for another Water Injection Well for the Hallet Waterflood, the operator elected to set new 5 1/2" Production Casing for completion as a Water Injection Well in the Mississippian Spergen.

LOG TOPS: Anhydrite 1695(+835), Base Anhydrite 1726(+804), Chase 2533(-3), Heebner Shale 3910(-1380), Toronto 3924(-1394), Lansing 3956(-1426), Lansing/KC. 'H' 4150(-1620), Stark Shale 4260(-1730), Base Kansas City 4263(-1733), Marmaton 4386(-1856), Fort Scott 4504(-1974), Cherokee Shale 4526(-1996), Conglomerate Chert 4582(-2052), Miss. Spergen 4598(-2068), Miss. Warsaw 4668(-2138).

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

MINERAL  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	FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

- POROSITY**
- [E] Earthy
 - [B] Fenest
 - [F] Fracture
 - [X] Inter
 - [M] Moldic
 - [O] Organic
 - [P] Pinpoint

- [V] Vuggy
- SORTING**
- [W] Well
 - [M] Moderate
 - [P] Poor

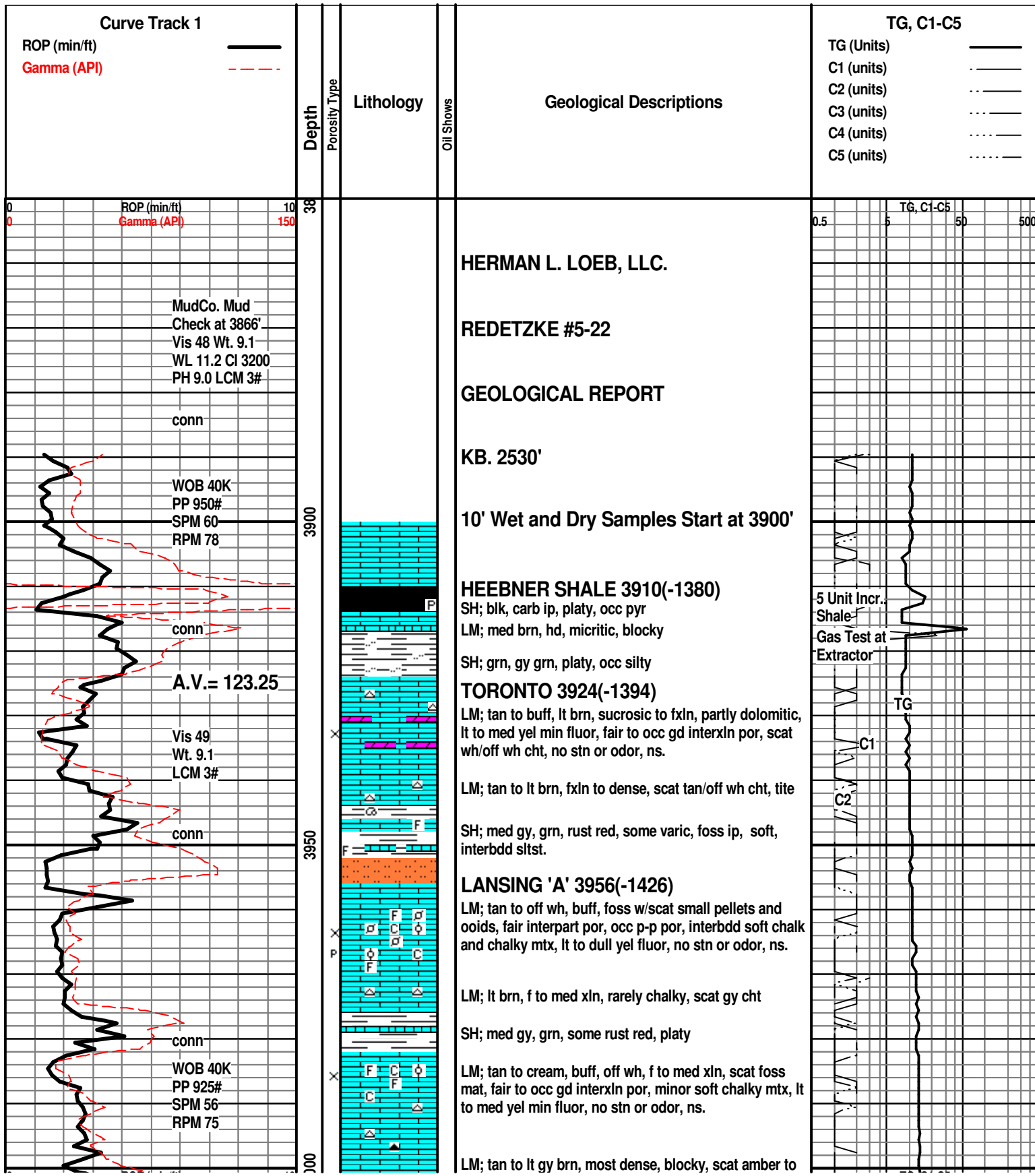
- ROUNDING**
- [R] Rounded
 - [r] Subrnd
 - [a] Subang
 - [A] Angular

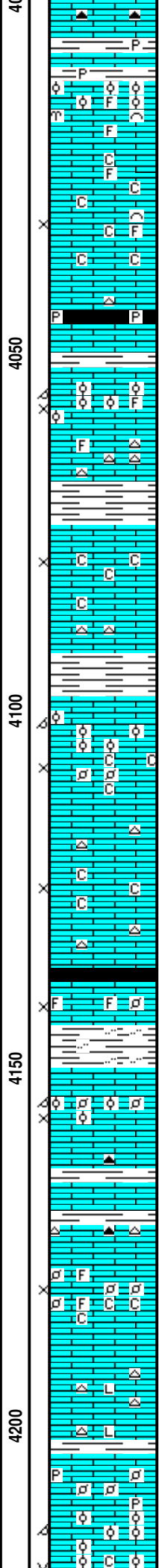
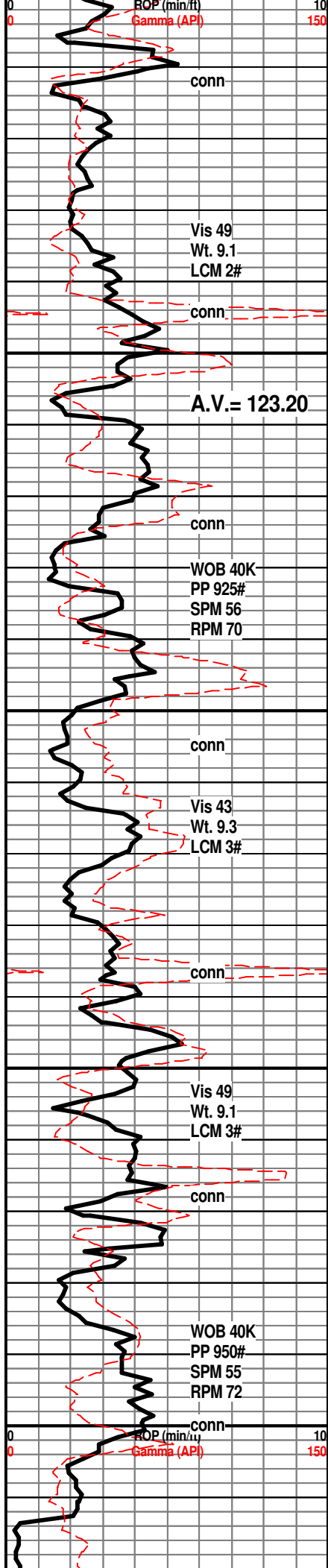
- [S] Spotted
- [Q] Ques
- [D] Dead

- EVENT**
- [Rft] Rft
 - [Sd] Sidewall

- INTERVAL**
- [C] Core
 - [D] Dst

- OIL SHOW**
- [E] Even





org cht, hd, no vis por, ns.

SH; med gy grn, fiss, occ pyr

LM; med brn, oolitic ip, fair interpart por, scat foss hash, lt yel min fluor only, no stn or odor, no gas kick, ns.

LM; tan to buff, lt brn, f to med xln, scat foss mat, poor interxln/interpart por, soft chalky mtx, lt to med yel min flour, no stn, ns.

SH; blk, carb ip, occ pyr

LM; lt brn, foss - oolitic, med size molds, brittle ip, fair oomoldic/interpart por, lt yel min fluor, ns.

LM; tan to lt brn, hd, micritic, cherty ip, tite

SH; med gy, grn, rust red, platy

LM; wh, off wh, f to med xln, partly sucrosic text, gd interxln por, occ soft - chalky, dull yel min fluor, no stn, ns.

LM; tan to lt brn, hd, blocky, scat off wh to gy cht, no por, ns.

SH; med gy, grn, fiss to flakey

LM; off wh, wh, buff, foss w/occ oolitic lmst, much soft chalky mtx, fair oomoldic/interpart por, lt to med yel min flour, no stn or odor, ns.

LM; lt gy, gy brn, lt brn, foss ip, scat poor interxln por, dull yel min fluor, occ gy cht, no stn or odor, ns.

MUNCIE CREEK SHALE 4136(-1606)
SH; v. dk gy - blk, fiss
LM; med brn, foss ip, fair interpart por, ns.

SH; med gy, gy grn, firm, occ silty

LANSING/KC. 'H' 4150(-1620)
LM; lt brn, tan, foss - partly oolitic/pelletal, fair interpart/oolicastic por, med yel min flour, no vis stn, no odor, no gas kick, ns.

SH; med gy grn, med gy, soft

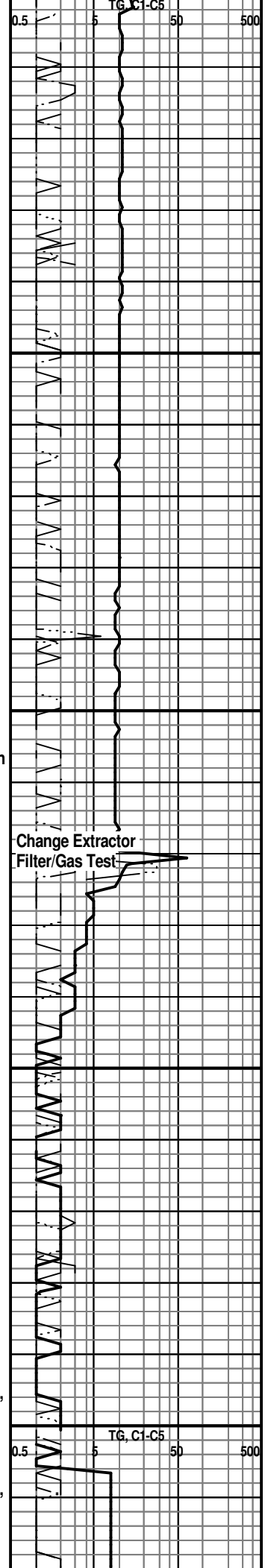
LM; dk brn, v. hd, blocky, scat gy/amber cht, tite

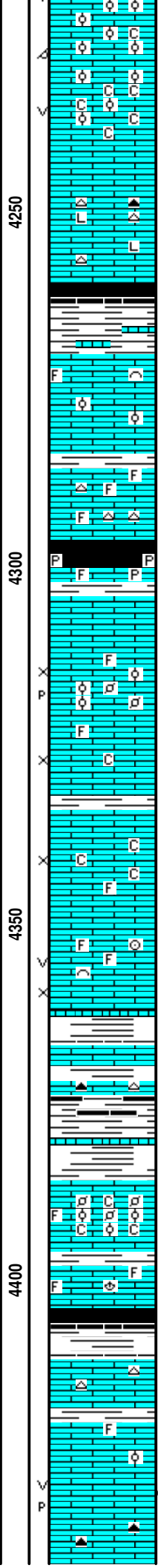
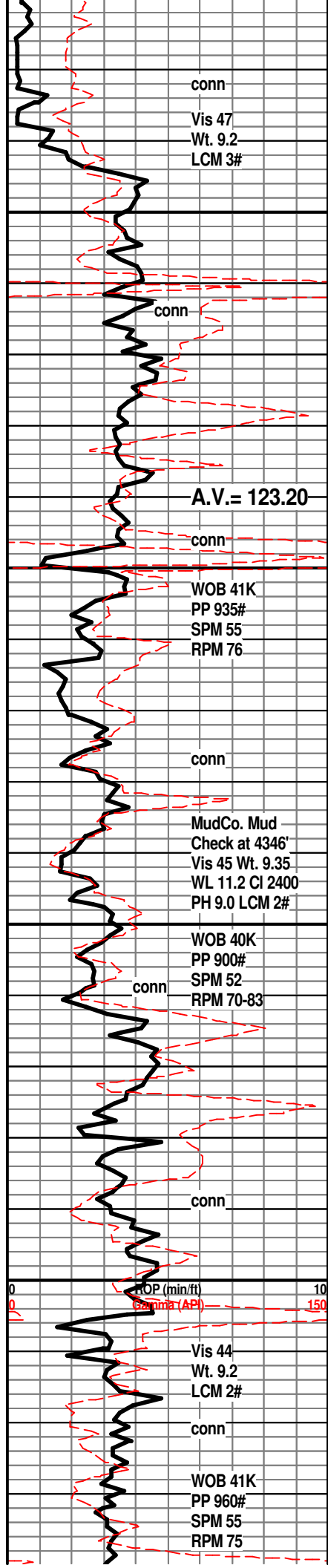
LM; off wh, tan, buff, foss w/scat small pellets and rnd carb mat, chalky soft mtx, dull yel min fluor, por interpart por, no stn or odor, ns.

LM; off wh, buff, lt gy, hd, blocky, most micritic, litho ip, scat off wh cht, tite

K.C. 'J' 4204(-1674)
LM; lt brn, foss - finely pelletal to oolitic, most well cem, scat pyr, dull yel min fluor, no stn, ns.

LM; tan to cream, buff, highly oolitic, most med size molds, v. ad oomoldic w/scat vlg por, rarely chalky.





med, v. ga calcareous w/scat vug por, rarely chanky, med yel min fluor, faint sulfur odor, no stn, no gas kick, ns.

LM; tan to buff, lt brn, oolitic, bcm v. chalky, gd oomoldic w/occ vug por, med yel min fluor, ns.

LM; med to dk brn, dense, micritic to litho, hd, occ tan to amber cht, tite

STARK SHALE 4260(-1730)
SH; blk, carb, blocky, trc gas
SH; med to dk gy, gy brn, lmy

LM; med brn, foss ip, most dense w/no vis por, scat lt yel min fluor, no stn, ns.

LM; lt brn, tan, foss ip, most well cem, scat gy to tan cht, no fluor, no stn, ns.

SH; blk, carb ip, soft to blocky, pyr ip.
LM; dk brn, hd, pyr, foss ip.

HERTHA 4304(-1774)

LM; tan to off wh, buff, foss - finely pelletal, scat oolites, fair interpart w/scat p-p por, dull yel fluor, no stn or odor, ns.

LM; tan to off wh, buff, med to occ cse xln, scat cse spar calc xtals, fair interxln por, no stn or odor, ns.

LM; off wh, wh, tan, fxln, poor interxln por, scat soft chalky mtx, dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, foss ip, occ fair interpart w/minor small vug por, lt yel min fluor, no stn or odor, ns.

BASE KANSAS CITY 4363(-1833)
SH; varic: grn, rust red, brn, gy, platy

LM; med brn, hd, blocky, scat tan/org cht, tite

SH; v. dk gy - blk, varic, platy, interbdd argil lmst.

MARMATON 4386(-1856)
LM; off wh, foss/oolitic, abnt small ooids and pellets, well cem, some chalky mtx, dull yel min fluor, no stn or odor, no gas kick

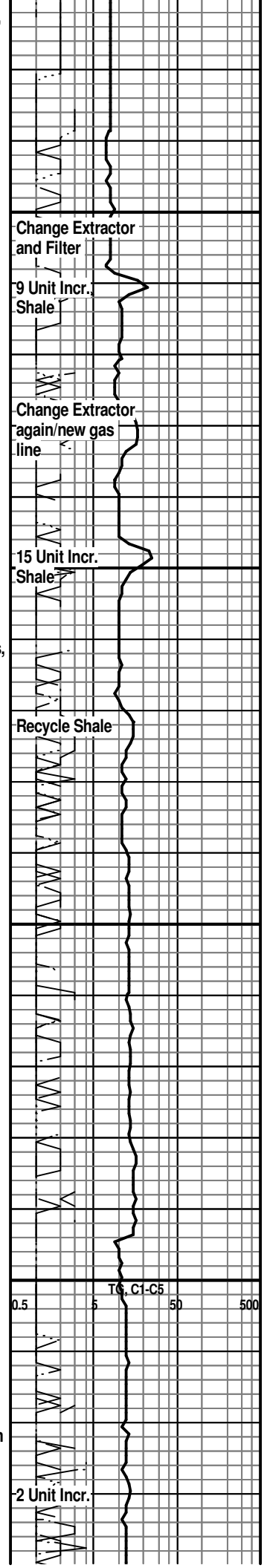
LM; off wh, wh, buff, foss ip, scat spar calc xtals, med yel min fluor, no stn or odor, ns.

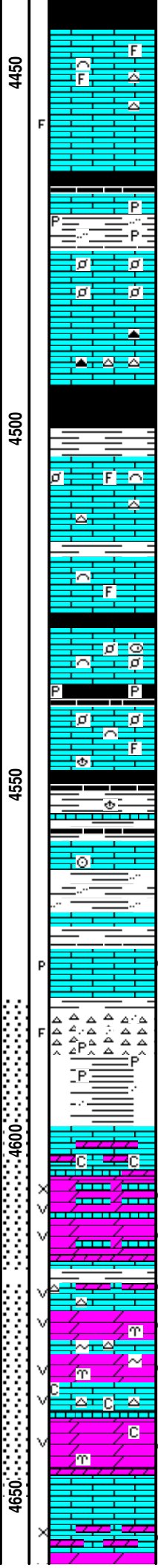
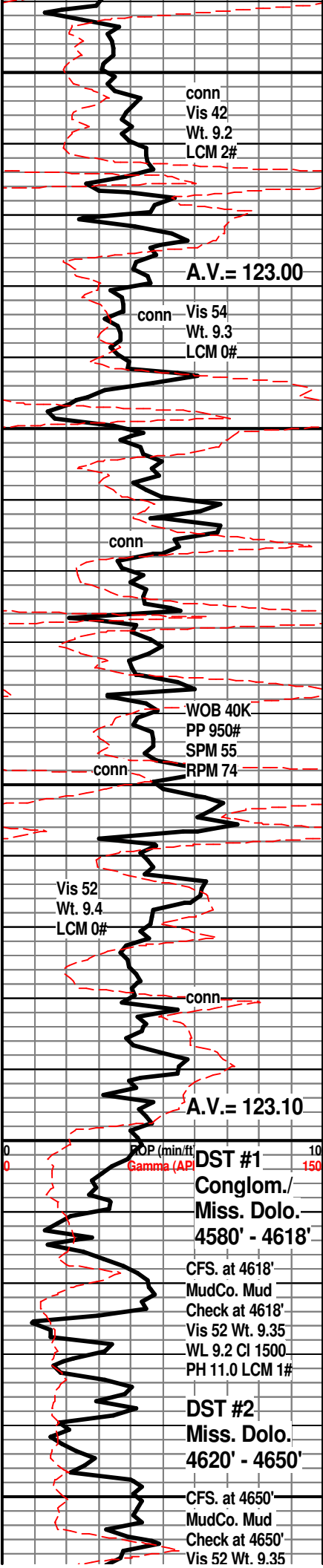
SH; blk, dk gy, varic, fiss to flakey

LM; off wh, wh, tan, fxln to micritic, scat off wh cht, no vis por, no stn, ns.

LM; off wh, buff, fxln, most dense, blocky, rare well cem foss, no fluor, no stn, ns.

LM; off wh, tan, fxln, scat cse spar calc xtals, occ vug and p-p por, rare pcs w/spotted lt brn live oil stn, med/brite yel fluor, v. faint odor only when crushed, no F.O., fair cut, looks tite





LM; v. dk gy, blk, platy, soft

LM; tan to buff, lt brn, scat foss mat - most well cem, blocky, occ cherty, dull to lt yel fluor, no stn or odor, ns.

LM; tan to cream, buff, med xln ip, trc cse spar calc xtals, trc frags, occ lt yel fluor, no stn or odor, ns.

SH; blk, carb ip, platy, trc gas

SH; gy grn, fiss, occ silty, pyr ip.

PAWNEE 4475(-1945)

LM; off wh, buff, lt gy, finely pelletal - foss, most well cem, no vis por, lt yel min fluor only, no stn or odor, ns.

LM; lt brn, tan, hd, scat gy/amber cht, no vis por, tite

SH; blk, carb, gassy, blocky

FORT SCOTT 4504(-1974)

LM; lt to med brn, foss ip, hd, well cem, scat brn/tan cht, no fluor, tite

LM; lt to med brn, blocky, scat well cem foss mat, dull yel min fluor, no vis por, no stn, ns.

CHEROKEE SHALE 4526(-1996)

SH; blk, carb ip, platy

LM; lt to med brn, med xln w/occ foss, some mottled text, no vis por, dull yel fluor, ns.

SH; blk, carb ip, platy, occ pyr

LM; tan to buff, lt brn, fxln w/scat foss mat, occ small pellets, most well cem, poor interpart por, dull yel fluor, no stn or odor, ns.

SH; med gy, grn, blk, some varic, platy, foss ip, interbdd thin hd lmst strngs

LM; tan to buff, lt brn, f to occ med xln, hd, interbdd gy to gy grn silty shales, no fluor, ns.

SH; varic, platy, v. firm, occ silty

LM; off wh, buff, tan, fxln, rare p-p por, v. spotty med brn oil stn, some blk tar/gils, no odor, scat med yel fluor, most tite w/ no vis por

CONGLOM. CHERT 4582(-2052)

CHT; yel, brite org, some varic, pyr ip, fresh - sharp, rare frags, shaly w/interbdd varic occ sandy sh, no stn or odor, no gas kick, ns.

SH; varic, much red, rust red

MISS. UNCONFORMITY 4598(-2068)

LM; off wh, med/cse xln, dolomitic, chalky

DOL; tan/buff sucrosic, foss ip, fair to gd interxln w/some well dev. vug por, brite yel fluor, gd odor, SFO, most w/even lt/med brn oil stn, fair to gd cut, interbdd dolomitic lmst

DST #1: Congl./Miss. Dolo. 4580' - 4618'

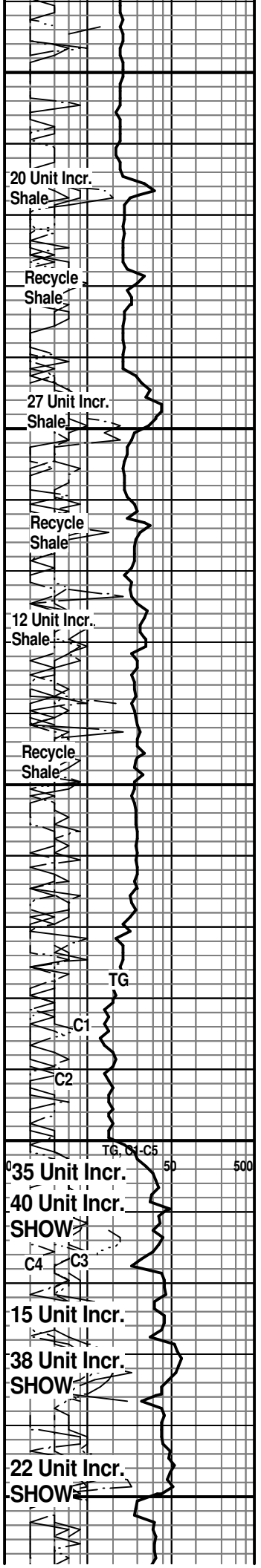
LM; off wh, tan, dolomitic, interbdd vuggy dolomitic lmst, lt to med yel fluor, gd odor, SSFO

DOL; tan to buff, off wh, sucrosic, lmy, foss ip, trc grn glau, much well dev. vug por, SFO, most w/even lt brn stn, some bleeding oil, med to brite yel fluor, gd odor, gd cut, gas bubbles

DOL; tan, lt brn, buff, sucrosic, interbdd dolomitic lmst, gd vug por, minor chalky mtx, occ foss, gd odor, brite yel fluor, SFO

DST #2: Miss. Dolomite 4620' - 4650'

LM; off wh, lt gy, tan, dolomitic, interbdd med rhombic dolo, poor interxln por, lt/med yel fluor, spotted med



WL 8.8 CI 2600
PH 10.5 LCM 1#

conn
Vis 57
Wt. 9.3
LCM 1#

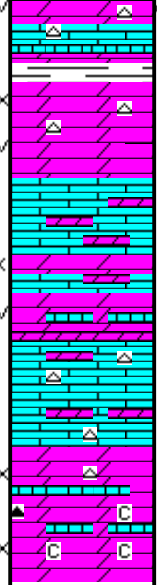
WOB 40K
PP 1000#
SPM 55
RPM 72

conn
Vis 57
Wt. 9.4
LCM 1#
CFS. at 4720' RTD.

4700

4750

00



brn stn, faint odor, scat gy cht w/bk tar - glisonite

MISS. WARSAW 4668(-2138)

DOL; tan, lt gy, buff, sucrosic, fair interxln w/scat vug por, no fluor, no stn or odor, occ off wh cht, ns.

LM; lt gy brn, dolomitic w/interbdd sucrosic dolomite, poor to fair interxln w/scat vug por, minor glau, no fluor, no stn or odor, ns.

LM; tan, buff, lt gy brn, hd, scat dolomitic lmst w/poor vug por, most dense, rare gy cht, no fluor, no stn or odor, ns.

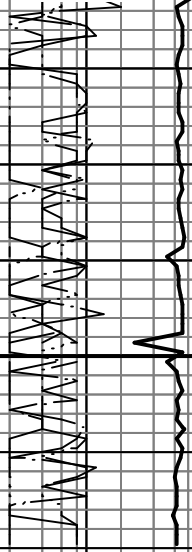
DOL; tan to cream, lt gy brn, sucrosic, occ lmy, fair interxln por, scat tan/amber cht, interbdd soft chalky and chalky lmy dolo., no fluor, ns.

RTD. 4720' at 9:15 PM. 8/15/12

LTD. 4720'

Superior Well Services DIL, NEU/DEN
w/PE, Microlog

18 Unit Incr.





Equip

PAGE 1 of 1	CUST NO 1007589	INVOICE DATE 08/17/2012
INVOICE NUMBER 1718 - 90981112		

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

J LEASE NAME Redetzke 5-22
 O LOCATION
 B COUNTY Hodgeman
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

*723 Redetzke
1310*

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40500480	19905		Net - 30 days	09/16/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 08/16/2012 to 08/16/2012</i>				
0040500480				
171806556A Cement-New Well Casing/Pi 08/16/2012				
Cement 5 1/2" Longstring				
50/50 POZ	250.00	EA	8.25	2,062.50 T
Celloflake	63.00	EA	2.78	174.83 T
Gypsum	1,050.00	EA	0.56	590.63 T
FLA-322	105.00	EA	5.63	590.63 T
Gilsonite	1,500.00	EA	0.50	753.75 T
Mud Flush	1,000.00	EA	0.65	645.00 T
KCL Potassium Chloride	566.00	EA	1.13	636.75 T
Claymax KCL Substitute	5.00	EA	26.25	131.25 T
"5 1/2" Port Collar "	1.00	EA	2,624.99	2,624.99
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	300.00	300.00
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	270.00	270.00
"Turbolizer, 5 1/2" (Blue)"	10.00	EA	82.50	825.00
"5 1/2" Basket (Blue)"	2.00	EA	217.50	435.00
"Cement Scratchers Cable Type; 5, 1/2"	6.00	EA	56.25	337.50
"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	1,050.00	EA	1.20	1,260.00
Depth Charge; 4001'-5000'	1.00	EA	1,890.00	1,890.00
Blending & Mixing Service Charge	250.00	BAG	1.05	262.50
Plug Container Util. Chg.	1.00	EA	187.50	187.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	15,477.83
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	416.11
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	15,893.94
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 06556 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-16-12 DISTRICT KANSAS		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 Herman L. Loeb, LLC		LEASE RedcTake #5-22 WELL NO.							
ADDRESS		COUNTY Hodgeman 22-22-23 STATE KS.							
CITY STATE		SERVICE CREW Allen, M. Ko, Brett							
AUTHORIZED BY		JOB TYPE: 5 1/2" L.S. <i>GNW</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 8-16-12	AM	TIME 8:15
28443 P.U.	1 1/2					ARRIVED AT JOB	8-16-12	AM	12:45
17903-17903	1 1/2					START OPERATION	8-16-12	AM	7:00
7059-17918	1 1/2					FINISH OPERATION	8-16-12	AM	8:30
						RELEASED	8-16-12	AM	9:30
						MILES FROM STATION TO WELL	100-miles		

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
CP104	50/50 Poz	SK	200		\$ 2200 00
CP104	50/50 Poz	SK	50		\$ 550 00
CC102	Cell Flake	lb	83		\$ 237 10
CC113	Gypsum	lb	1050		\$ 787 50
CC129	F/A-322 Low Fluid Loss	lb	105		\$ 787 50
CC201	Gilsonite	lb	1500		\$ 1005 00
CC700	KCL Potassium Chloride	lb	588		\$ 849 00
CF481	5 1/2" Port Collar Blue	EA	1		\$ 3500 00
CF607	Latch Down Plug + Baffle 5 1/2" Blue	EA	1		\$ 400 00
CF1251	Auto Fill Float Shoe 5 1/2" Blue	EA	1		\$ 360 00
CF1651	Turbolizer 5 1/2" Blue	EA	10		\$ 1100 00
CF1901	Basket 5 1/2" Blue	EA	2		\$ 580 00
CF2001	Cement Scratchers cable type	EA	6		\$ 450 00
C704	Claymat KCL sub	gal	5		\$ 175 00
CC151	MUD Flush	gal	1000		\$ 880 00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Allen F. Ward* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

~~1718-06557-A~~
Continuation of
DATE TICKET NO. 06556A

DATE OF JOB <u>8-16-12</u> DISTRICT <u>Pratt Kansas</u>		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 <u>Herman L. Loeb LLC</u>		LEASE <u>Redetzke # 5.22</u> WELL NO.	
ADDRESS		COUNTY <u>Hodgeman 22-22-23</u> STATE <u>Ks</u>	
CITY STATE		SERVICE CREW <u>Allen, Mike, Brett</u>	
AUTHORIZED BY		JOB TYPE: <u>5 1/2" I.S.</u> <u>CNW</u>	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>78443 P.U.</u>	<u>1 1/2</u>						<u>8-16-12</u>			<u>815</u>
<u>19903-19905</u>	<u>1 1/2</u>					ARRIVED AT JOB	<u>8-16-12</u>			<u>1245</u>
<u>70759-19915</u>	<u>1 1/2</u>					START OPERATION	<u>8-16-12</u>			<u>700</u>
						FINISH OPERATION	<u>8-16-12</u>			<u>830</u>
						RELEASED	<u>8-16-12</u>			<u>900</u>
						MILES FROM STATION TO WELL	<u>100-mile</u>			

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
E100	Unit mileage charge P.U.	mi	100		\$ 425.00
E101	Heavy Equip. mileage	mi	200		\$ 1400.00
E113	Bulk Delivery chg.	TM	10.50		\$ 1680.00
CF205	Depth Charge 4001-5000	4-hr	1		\$ 2520.00
CF240	Blending + mixing service chg	SK	2.50		\$ 350.00
CF504	Plug Container Utilization chg.	Job	1		\$ 250.00
5003	Service Supervisor first 8hrs	EA	1		\$ 175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		<u>\$ 15,477.83</u>
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Allen F. Weard THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer Nerman L. Lueb LLC	Lease No.	Date 8-16-12
Lease REDETZ KE	Well # 5-22	
Field Order # 010556A	Station Pratt	Casing/ 5/2"
		Depth 4705
		County Hodgeman
		State KS
Type Job 5/2" Long String w/ P.C. - CNW	Formation TD 4720	Legal Description 22-22-25

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5/2"			24	1381 MUD FLUSH			
Depth 4705	Depth	From	To	Pre Pad	Max		5 Min.
			200	50 SKS 50/50 POZ		14#/90L	
Volume 117 BBS	Volume	From	To	Pad	Min		10 Min.
				R.H. 30 SKS 50/50 POZ			
Max Press 1300	Max Press	From	To	Frac	Avg		15 Min.
				M.H. 20 SKS 50/50 POZ			
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 4699	Packer Depth	From	To	Flush	Gas Volume		Total Load
				Disp 2% KCL			

Customer Representative	Station Manager scotty	Treater Allen
-------------------------	---------------------------	------------------

Service Units	28443	19903	19905	70959	19918				
Driver Names	Allen	Mike	matth	Brett					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:24.5 AM					Part Collar 172 ft. st. #2
					on Loc. Discuss Safety, Setup Plan Job
					Rig Laying Down Drill Pipe
4:00					Start 5/2" Csg. 15.5" Shoe It. 16.00'
					w/ Float Shoe + L.O. Baffle in collar
					Cent-1-2-3-4-5-13-18-23-69-74
					Basket-9-69 Port collar #70-172
					CIR ON #40 + #80
7:00					Pipe @ 4015' CIR + Recip. Pipe
			24	5	Pump 24 BBLs mud flush
			5	5	Pump 5 BBL H ₂ O
			48	5	Mix Pump 200 SKS 50/50 POZ
					wash out pump + line clean
8:15				6	Drop L.O. Plug Start Disp.
	700*			5/2	caught lift PSI 77 BBL out
8:30	1500		112	4	Plug down
	0*				Release PSI TO TRK. 0* PSI
			7		Plug R.H. w/ 30 SKS 50/50 POZ
			5		Plug M.H. w/ 20 SKS 50/50 POZ
					Washup Equip. + RACK UP.
9:30					Job complete
					Thanks Allen, Mike, Brett



PAGE	CUST NO	INVOICE DATE
1 of 1	1007589	08/09/2012
INVOICE NUMBER		
1718 - 90974786		

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 Redetzke 5-22
 C 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
40497229	20920		Net - 30 days	09/08/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 08/08/2012 to 08/08/2012</i>				
0040497229				
171806779A Cement-New Well Casing/Pi 08/08/2012 Cement 8 5/8" Surface				
As Serv Lite	175.00	EA	9.10	1,592.50 T
Common Cement	150.00	EA	11.20	1,680.00 T
Celloflake	81.00	EA	2.59	209.79 T
Calcium Chloride	741.00	EA	0.74	544.64 T
"Top Rubber Cmt Plug, 8 5/8"'"	1.00	EA	157.50	157.50
"8 5/8"'" Guide Shoe (Red)"	1.00	EA	385.00	385.00
Flapper Type Insert Float Valve 8 5/8" (B	1.00	EA	196.00	196.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	2.98	297.50
Heavy Equipment Mileage	200.00	MI	4.90	980.00
"Proppant & Bulk Del. Chgs., per ton mil	1,470.00	EA	1.12	1,646.40
Depth Charge: 501'-1000'	1.00	EA	840.00	840.00
Blending & Mixing Service Charge	325.00	BAG	0.98	318.50
Plug Container Util. Chg.	1.00	EA	175.00	175.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	122.50	122.50

*723 Redetzke
6420*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,145.33
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	300.01
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,445.34
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 06779 A

DATE _____ TICKET NO. _____

DATE OF JOB 08-08-12 DISTRICT PRATT KS		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 HERMAN web		LEASE Rede take 5-22 WELL NO.:							
ADDRESS		COUNTY Hodgeman STATE KS							
CITY STATE		SERVICE CREW Sullivan, Wright, Pippen							
AUTHORIZED BY		JOB TYPE: CNW 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
33705-20920	40	W				08-07-12		PM	11:15
19831-19862	40	W				ARRIVED AT JOB	8-8-12	AM	7:30
37900						START OPERATION		AM	5:25
						FINISH OPERATION		AM	6:00
						RELEASED		AM	6:45
						MILES FROM STATION TO WELL			100

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
CP 106	A-SCRU Lite	sk	175		2,275.00
CP 100-C	Common cmt	sk	150		2,400.00
PC 102	Cell take	lb	81		299.70
PC 109	Calcium chloride	lb	741		779.05
CF 105	TOP Rubber Plug 8 5/8	SA	1		225.00
CF 203	Guide Spig	SA	1		550.00
CF 1453	JINSONT Flare	SA	1		200.00
E 100	packed oil	oil	100		425.00
E 101	Heavy Scent oil	oil	200		1,400.00
E 113	Bulk Diesel	TM	1470		2,352.00
CE 201	Birth charge	SA	1		1,200.00
CE 240	Blending Lining	sk	325		455.00
CE 504	Plan Contoured Mental	SA	1		250.00
ES 003	SOLVED Supreme	SA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS	9,145.33
SERVICE & EQUIPMENT	% TAX ON \$		
MATERIALS	% TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE Robert J. [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO. _____	

Customer HERMAN Lech	Lease No.	Date
Lease REDETZKE	Well # 5-22	08-08-12
Field Order # 6779	Station PRATT KS	Casing 8 7/8
		Depth 364'
Type Job CNW 8 7/8 Surface	Formation	County HODGEMAN
		State KS
		Legal Description 22-22-25

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 7/8								
Depth 364	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 32	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 332	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager DAVE SCOTT	Treater Robert L...
-------------------------	-----------------------------------	----------------------------

Service Units	37900	33728	20920	19831	19802				
Driver Names	Sullivan	Wright	Pirson						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30					on loc softy mostly
					Run 13 sac 8 7/8 csg.
5:00					CASING on Bottom
5:10					Make Plug Circ.
5:25	150		4	3	SPACED
			51	4.5	mix cont 175 sk A-Son L₂
	200		32		mix int to 150 sk command
					shot down cont mix D.
					Return Plug
				4	At Design
6:00	700		34		Plug down
					circ. 15 BBL cont to plug
					SOLB Complete
					Thank you



DRILL STEM TEST REPORT

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

PO Box 838
Lawrenceville IL.62439

ATTN: Jon Christensen

Redetzke #5-22

22-22s-25w Hodgeman,KS

Start Date: 2012.08.14 @ 14:03:17

End Date: 2012.08.14 @ 20:58:47

Job Ticket #: 47595 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.16 @ 16:11:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47595 **DST#: 1**
 Test Start: 2012.08.14 @ 14:03:17

GENERAL INFORMATION:

Formation: **Miss. Dolomite**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:03:02
 Time Test Ended: 20:58:47
 Interval: **4580.00 ft (KB) To 4618.00 ft (KB) (TVD)**
 Total Depth: 4618.00 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: 2530.00 ft (KB)
 2519.00 ft (CF)
 KB to GR/CF: 11.00 ft

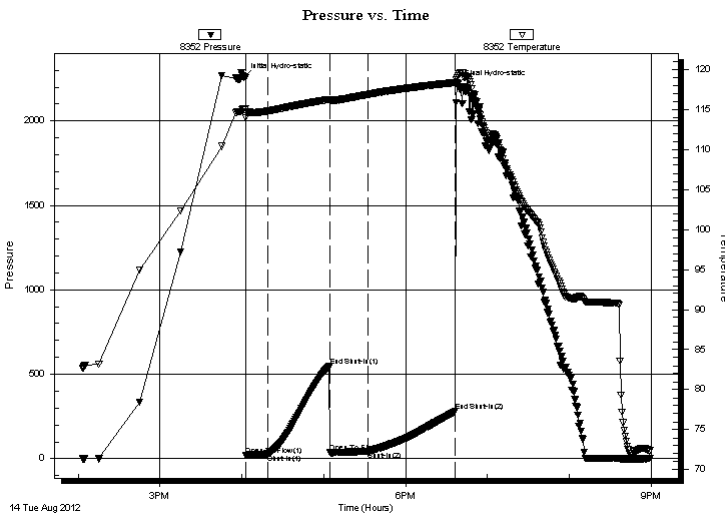
Serial #: 8352

Outside

Press @ RunDepth: 43.36 psig @ 4581.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.14 End Date: 2012.08.14 Last Calib.: 2012.08.14
 Start Time: 14:03:22 End Time: 20:58:46 Time On Btm: 2012.08.14 @ 16:01:32
 Time Off Btm: 2012.08.14 @ 18:38:02

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.31	115.07	Initial Hydro-static
2	19.04	113.95	Open To Flow (1)
18	28.49	114.76	Shut-In(1)
63	546.80	116.22	End Shut-In(1)
64	36.37	116.01	Open To Flow (2)
92	43.36	116.84	Shut-In(2)
155	280.90	118.34	End Shut-In(2)
157	2216.70	118.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OCM 11%o 89%m	0.22
0.00	45 ft.of GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L.Loeb LLC
 PO Box 838
 Law renceville IL.62439
 ATTN: Jon Christensen

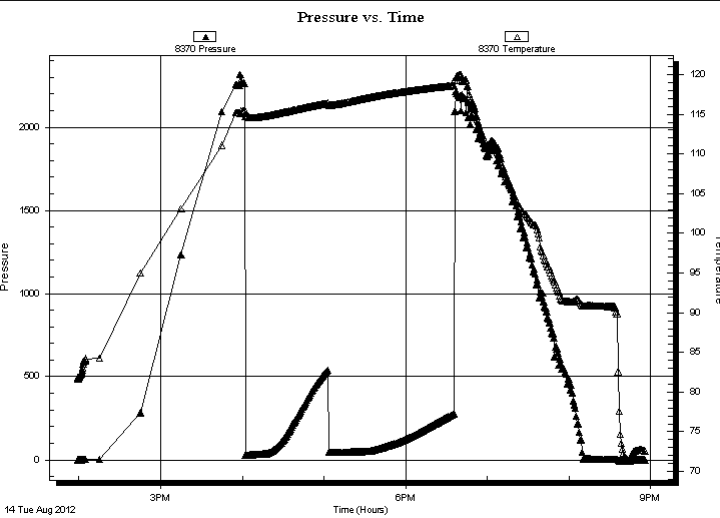
22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47595 **DST#: 1**
 Test Start: 2012.08.14 @ 14:03:17

GENERAL INFORMATION:

Formation: Miss. Dolomite		
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 16:03:02	Tester: Gary Pevoteaux	
Time Test Ended: 20:58:47	Unit No: 56	
Interval: 4580.00 ft (KB) To 4618.00 ft (KB) (TVD)	Reference Elevations: 2530.00 ft (KB)	
Total Depth: 4618.00 ft (KB) (TVD)	2519.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 11.00 ft

Serial #: 8370	Inside		
Press @RunDepth: psig @ 4581.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2012.08.14	End Date: 2012.08.14	Last Calib.: 2012.08.14	
Start Time: 13:59:01	End Time: 20:55:40	Time On Btm:	
		Time Off Btm:	

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



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

Recovery		
Length (ft)	Description	Volume (bbl)
45.00	OCM 11%o 89% m	0.22
0.00	45 ft.of GIP	0.00

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

22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47595 **DST#: 1**
 Test Start: 2012.08.14 @ 14:03:17

Tool Information

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 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:	24000.00 lb
Drill Collar:	Length: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	88000.00 lb
			<u>Total Volume: 62.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4580.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4558.00	
Shut in tool	5.00			4563.00	
HMV	5.00			4568.00	
Safety Joint	3.00			4571.00	
Packer	4.00			4575.00	23.00 Bottom Of Top Packer
Packer	5.00			4580.00	
Stubb	1.00			4581.00	
Recorder	0.00	8370	Inside	4581.00	
Recorder	0.00	8352	Outside	4581.00	
Perforations	32.00			4613.00	
Bullnose	5.00			4618.00	38.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47595 **DST#: 1**
 Test Start: 2012.08.14 @ 14:03:17

Mud and Cushion Information

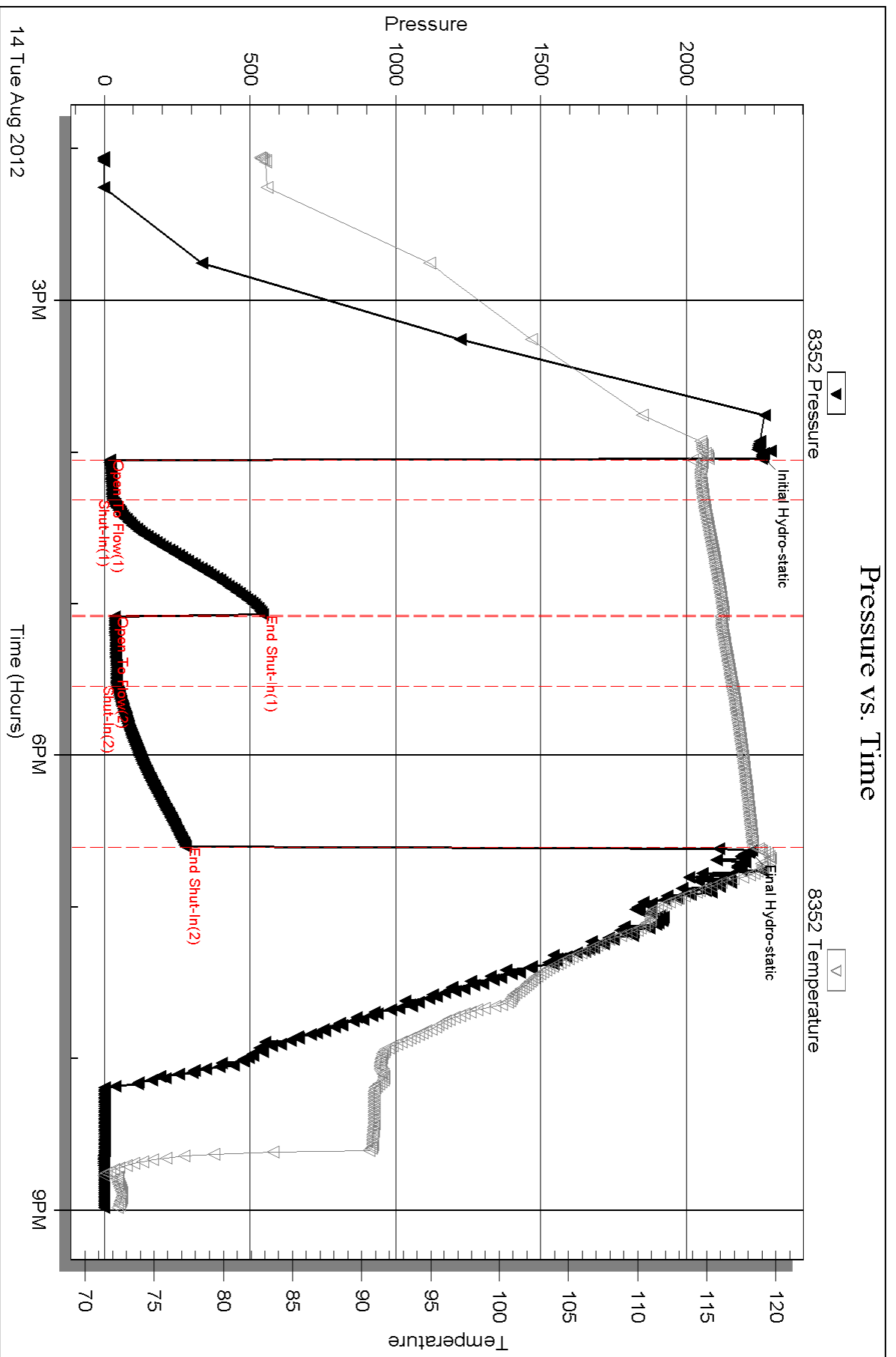
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	1500 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	OCM 11%o 89%m	0.221
0.00	45 ft.of GIP	0.000

Total Length: 45.00 ft Total Volume: 0.221 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



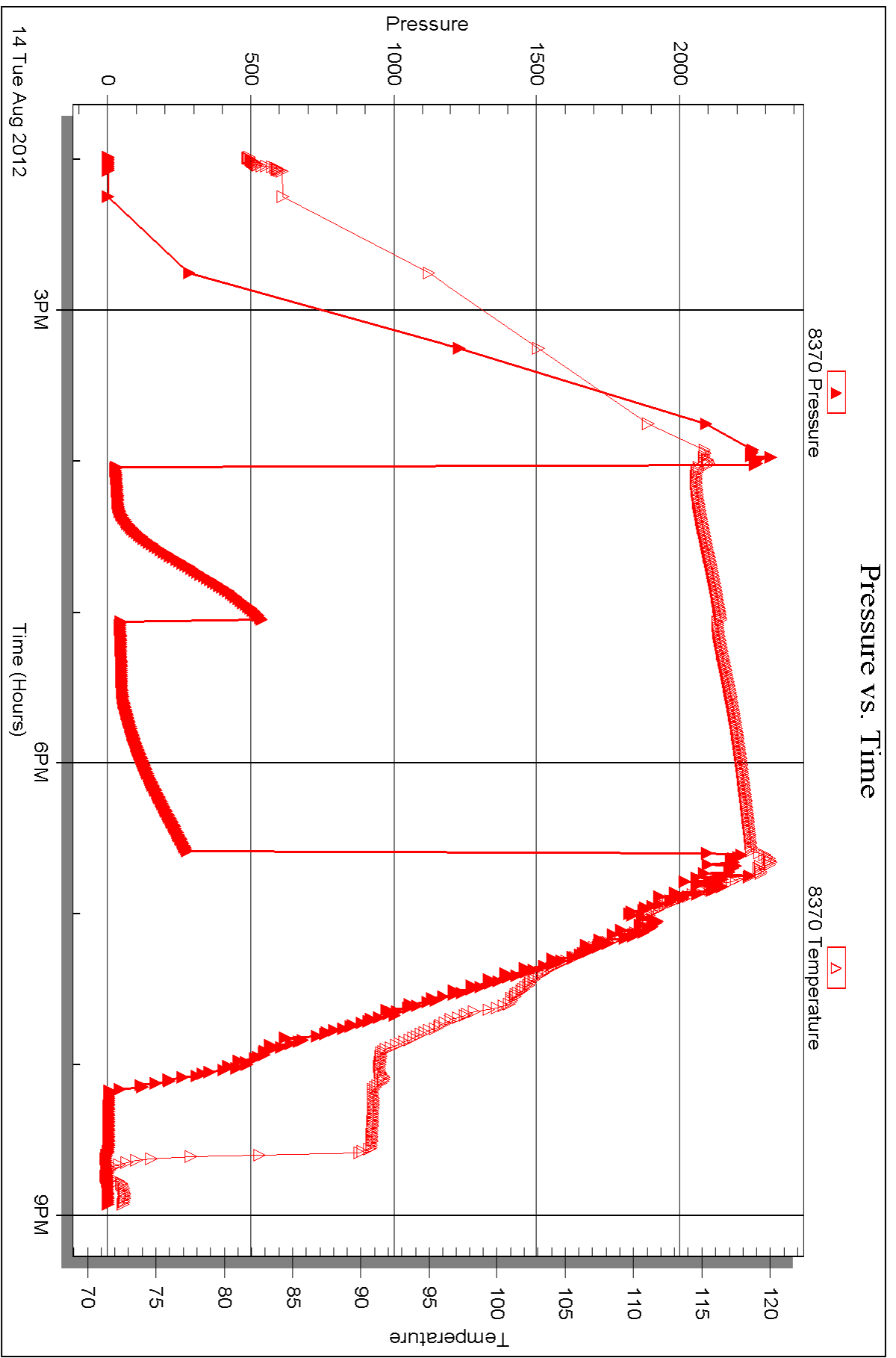
Serial #: 8370

Inside

Herrnan L.Loeb LLC

Redelzke #5-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47595

Printed: 2012.08.16 @ 16:11:25



DRILL STEM TEST REPORT

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

PO Box 838
Lawrenceville IL.62439

ATTN: Jon Christensen

Redetzke #5-22

22-22s-25w Hodgeman,KS

Start Date: 2012.08.15 @ 05:42:58

End Date: 2012.08.15 @ 13:58:58

Job Ticket #: 47596 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.16 @ 16:10:38

Herman L.Loeb LLC

22-22s-25w Hodgeman,KS

Redetzke #5-22

DST # 2

Miss. Dolomite

2012.08.15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47596 **DST#: 2**
 Test Start: 2012.08.15 @ 05:42:58

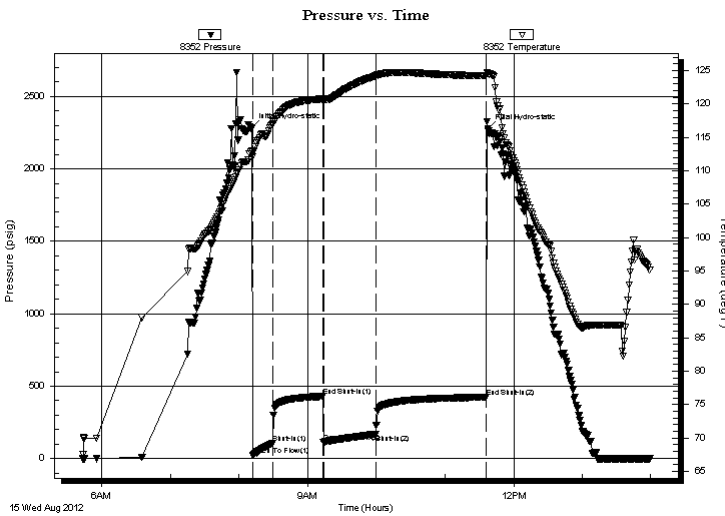
GENERAL INFORMATION:

Formation: **Miss. Dolomite**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:11:58 Tester: Gary Pevoteaux
 Time Test Ended: 13:58:58 Unit No: 56
 Interval: **4620.00 ft (KB) To 4650.00 ft (KB) (TVD)** Reference Elevations: 2530.00 ft (KB)
 Total Depth: 4650.00 ft (KB) (TVD) 2519.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8352 Outside
 Press @ RunDepth: 169.83 psig @ 4621.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.15 End Date: 2012.08.15 Last Calib.: 2012.08.15
 Start Time: 05:43:03 End Time: 13:58:57 Time On Btm: 2012.08.15 @ 08:10:58
 Time Off Btm: 2012.08.15 @ 11:37:43

TEST COMMENT: IF:Weak to fair blow . Slow increase to 6 1/2".
 IS:No blow .
 FF:Weak to fair blow . Slow increase to 7".
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.66	113.02	Initial Hydro-static
1	20.71	112.06	Open To Flow (1)
19	106.24	117.00	Shut-In(1)
63	429.70	120.76	End Shut-In(1)
63	111.93	120.62	Open To Flow (2)
109	169.83	124.20	Shut-In(2)
206	424.31	124.24	End Shut-In(2)
207	2276.63	124.56	Final Hydro-static

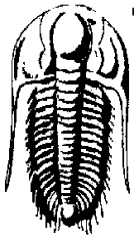
Recovery

Length (ft)	Description	Volume (bbl)
125.00	SW	0.61
125.00	MW w / oil specs 12%m 88%w	0.92
84.00	SOCMW 2%o 43%m 55%w	1.18
1.00	Clean oil	0.01

* Recovery from multiple tests

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: Jon Christensen

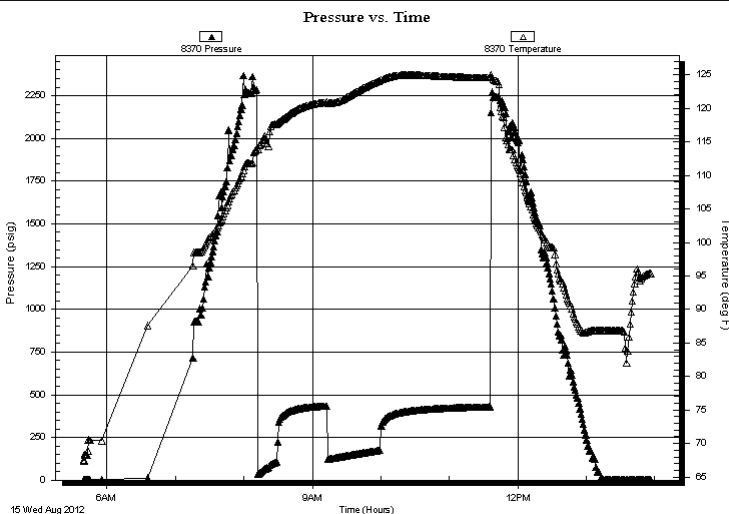
22-22s-25w Hodgeman,KS
Redetzke #5-22
 Job Ticket: 47596 **DST#: 2**
 Test Start: 2012.08.15 @ 05:42:58

GENERAL INFORMATION:

Formation: **Miss. Dolomite**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:11:58
 Time Test Ended: 13:58:58
 Interval: **4620.00 ft (KB) To 4650.00 ft (KB) (TVD)**
 Total Depth: 4650.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 2530.00 ft (KB)
 2519.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8370 Inside
 Press @ Run Depth: psig @ 4621.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.15 End Date: 2012.08.15 Last Calib.: 2012.08.15
 Start Time: 05:39:32 End Time: 13:56:26 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak to fair blow. Slow increase to 6 1/2".
 IS: No blow.
 FF: Weak to fair blow. Slow increase to 7".
 FS: No blow.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SW	0.61
125.00	MW w / oil specs 12% m 88% w	0.92
84.00	SOCMW 2% o 43% m 55% w	1.18
1.00	Clean oil	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L.Loeb LLC

22-22s-25w Hodgeman,KS

PO Box 838
Lawrenceville IL.62439

Redetzke #5-22

Job Ticket: 47596

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.08.15 @ 05:42:58

Tool Information

Drill Pipe:	Length: 4396.00 ft	Diameter: 3.80 inches	Volume: 61.66 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:	24000.00 lb
Drill Collar:	Length: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 62.73 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4620.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	53.00 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			4598.00	
Shut in tool	5.00			4603.00	
HMV	5.00			4608.00	
Safety Joint	3.00			4611.00	
Packer	4.00			4615.00	23.00 Bottom Of Top Packer
Packer	5.00			4620.00	
Stubb	1.00			4621.00	
Recorder	0.00	8370	Inside	4621.00	
Recorder	0.00	8352	Outside	4621.00	
Perforations	24.00			4645.00	
Bullnose	5.00			4650.00	30.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-22s-25w Hodgeman,KS
Redetzke #5-22
Job Ticket: 47596 **DST#: 2**
Test Start: 2012.08.15 @ 05:42:58

Mud and Cushion Information

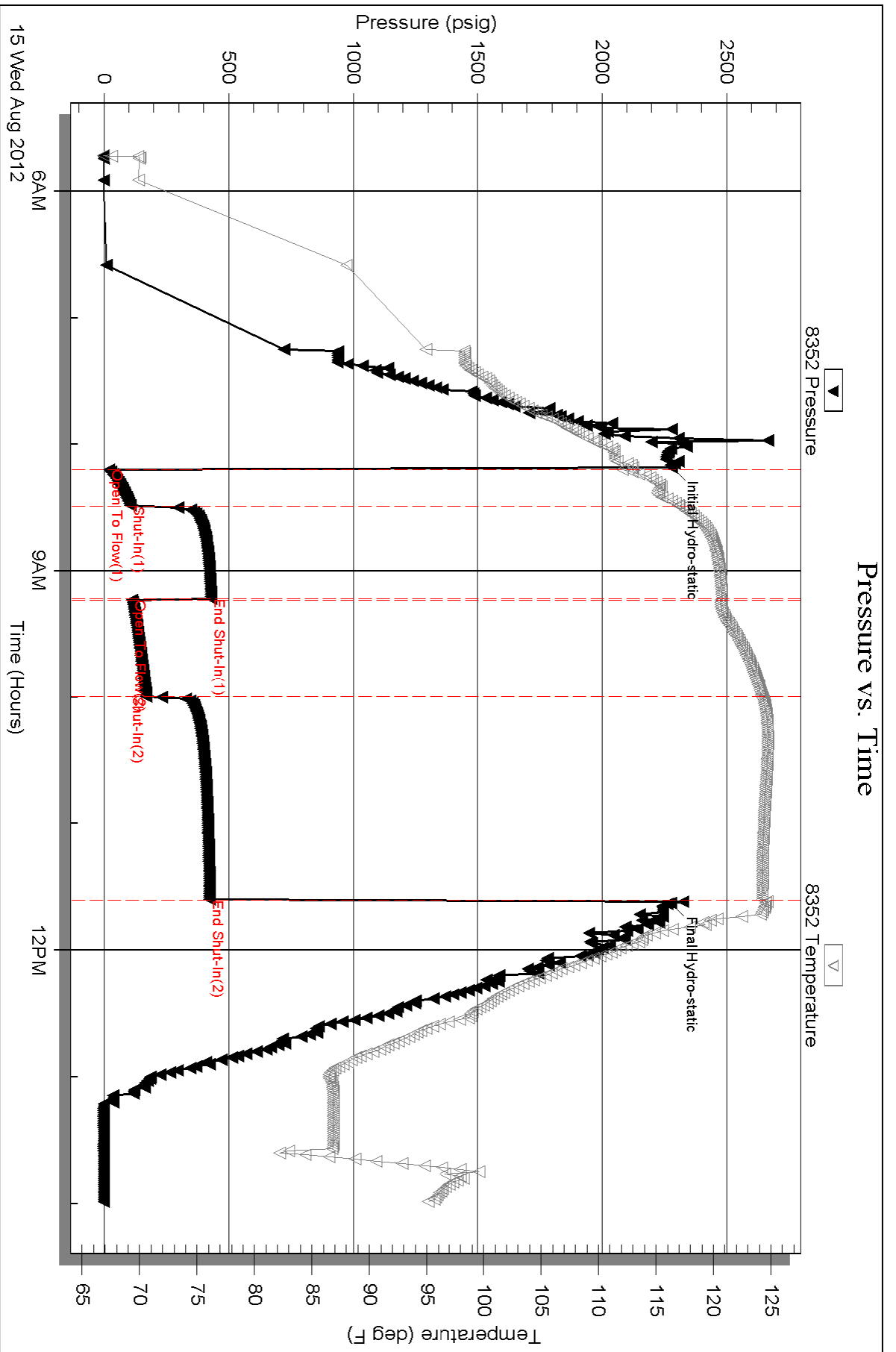
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	55000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SW	0.615
125.00	MW w / oil specs 12%m 88%w	0.915
84.00	SOCMW 2%o 43%m 55%w	1.178
1.00	Clean oil	0.014

Total Length: 335.00 ft Total Volume: 2.722 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments: Rw .11ohms @89 deg



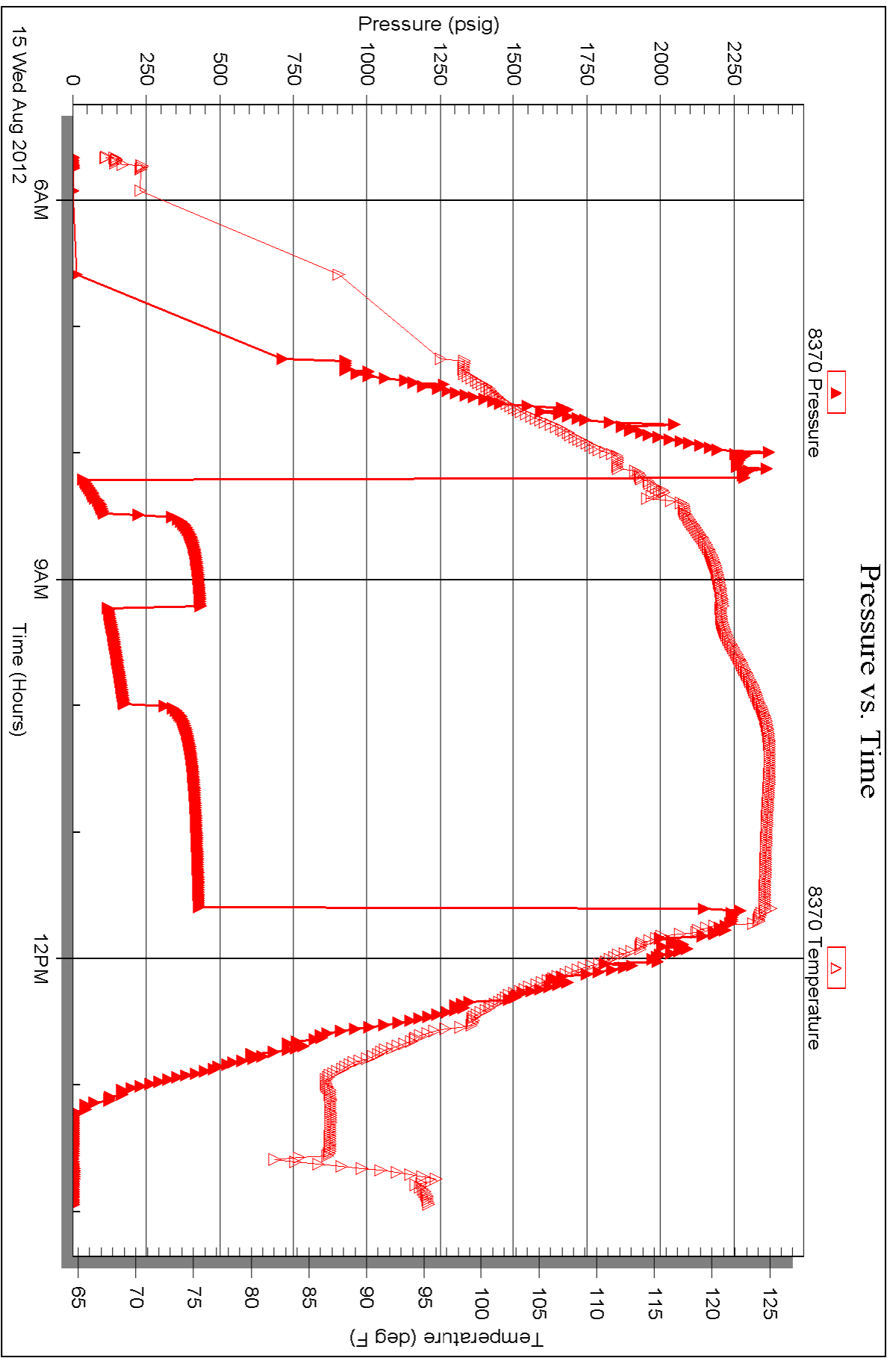
Serial #: 8370

Inside

Herrman L.Loeb LLC

Redelzke #5-22

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47595

4/10

Well Name & No. REDETZKE # 5-22 Test No. 1 Date 8-14-12
 Company HERMAN L. LOEB LLC Elevation 2530 KB 2519 GL
 Address P.O. Box 838, LAWRENCEVILLE IL. 62439
 Co. Rep / Geo. JEN CHRISTENSEN Rig STERLING DRUG #2
 Location: Sec. 22 Twp. 22^S Rge. 25^W Co. HOOZEMAN State KS.

Interval Tested 4580 - 4618 Zone Tested MISS. DOLOMITE
 Anchor Length 38' Drill Pipe Run 4362' Mud Wt. 9.3
 Top Packer Depth 4575' Drill Collars Run 217' Vis S2
 Bottom Packer Depth 4580' Wt. Pipe Run 0 WL 9.2cc
 Total Depth 4618' Chlorides 1500ppm System LCM 1#
 Blow Description IF: Weak below. 1/4 - 1/2". IST: No blow

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

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Gas in pipe</u>				
<u>45</u>	<u>OCM</u>		<u>11</u>		<u>89</u>

Rec Total 45 Fluid BHT 118° Gravity N/A API RW N.C. @ ~ °F Chlorides 1500 ppm
 (A) Initial Hydrostatic 2258 Test 1250 T-On Location 1247
 (B) First Initial Flow 19 Jars T-Started 1403
 (C) First Final Flow 28 Safety Joint 75 T-Open 1603
 (D) Initial Shut-In 547 Circ Sub T-Pulled 1833
 (E) Second Initial Flow 36 Hourly Standby T-Out 2058
 (F) Second Final Flow 43 Mileage 135 194rt 300.70 Comments MOTEL
 (G) Final Shut-In 281 Sampler
 (H) Final Hydrostatic 2117 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 15 Extra Recorder
 Initial Shut-In 45 Day Standby
 Final Flow 30 Accessibility
 Final Shut-In 46 Sub Total 1625.70 Total 1625
 MP/DST Disc't

Approved By [Signature] 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47596

Well Name & No. Redetzke # 5-22 Test No. 2 Date 8-15-12
 Company HERMAN L. LOEB LLC Elevation 2530 KB 2519 GL
 Address P.O. Box 838, LAWRENCEVILLE IL. 62439
 Co. Rep / Geo. Jon Christensen Rig STERLING DRUG #2
 Location: Sec. 22 Twp. 22S Rge. 25W Co. HODGEMAN State Ks.

Interval Tested 4820 - 4650' Zone Tested Mess. Dolomite
 Anchor Length 30' Drill Pipe Run 4396' Mud Wt. 9.3
 Top Packer Depth 4615' Drill Collars Run 217' Vis 52
 Bottom Packer Depth 4620' Wt. Pipe Run 0 WL 8.8 cc
 Total Depth 4650' Chlorides 2600 ppm System LCM 1#

Blow Description IF: Weak to fair blow. Slow increase to 6 1/2".
ISI: No blow.
FF: Weak to fair blow. Slow increase to 7". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Open Oil</u>				
<u>84</u>	<u>500 MW</u>		<u>2</u>	<u>55</u>	<u>43</u>
<u>125</u>	<u>MW / wait speed.</u>			<u>88</u>	<u>12</u>
<u>125</u>	<u>SW</u>				

Rec Total 335 Fluid BHT 124° Gravity N/A API RW .11 @ 89 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic <u>2281</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0527</u>
(B) First Initial Flow <u>21</u>	<input type="checkbox"/> Jars	T-Started <u>0542</u>
(C) First Final Flow <u>106</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0811</u>
(D) Initial Shut-In <u>430</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1139</u>
(E) Second Initial Flow <u>112</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1358</u>
(F) Second Final Flow <u>170</u>	<input checked="" type="checkbox"/> Mileage <u>235</u> 300.70	Comments
(G) Final Shut-In <u>424</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2277</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1625.70</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1625.70</u>	

Approved By [Signature] 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.