



KANSAS CORPORATION COMMISSION 1113901
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- 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: _____



1113901

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	MUSSELMAN 4-34
Doc ID	1113901

Tops

Name	Top	Datum
Anhydrite	987	+1010
Base Anyhdrite	1005	+992
Toronto	3412	-1415
Lansing 'A'	3504	-1507
Marmaton	3736	-1739
Conglomerate	3758	-1761
Simpson Shale	3814	-1817
Arbuckle	3862	-1865

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Musselman #4-34
Location: 1265' FSL & 1230' FWL, Sec. 34-T21S-R16W, Pawnee Co., KS.
Licence Number: 15-145-21690-0000 Region: Larned Field
Spud Date: 10/19/2012 Drilling Completed: 10/25/2012
Surface Coordinates: 1265' FSL & 1230' FWL, Sec. 34-T21S-R16W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 1986' K.B. Elevation (ft): 1997'
Logged Interval (ft): 3200' To: 3879' Total Depth (ft): 3879'
Formation: Arbuckle at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 2795'; Chemical Gel 2795' to 3879'
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(Lansing 'A' + 'B' zones) 3511' - 3547'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak 0.5" Blow, FFP Weak Blow built to Fair 4" Blow, no Blowback on SI's; REC: 40' Gas in Pipe, 20' SGCM(2%G, 98%M), no Oil, no Water; IFP 20-27#, ISIP 540#, FFP 28-36#, FSIP 264#, IHP 1877#, FHP 1738#, BHT 107 Deg. F.

DST #2(Arbuckle) 3864' - 3877'(Corrected Depth to LOG) Test Times 15"-45"-15"-45" IFP Strong Blow BOB/15 Sec., BOB Blowback with Gas to Surface on ISI, FFP Strong Blow - Gas to Surface throughout - volume TSTM, BOB Blowback on FSI would not bleed off; REC: 1495' Gas in Pipe, 2356' CGO(30%G, 70%O) API 49 Deg. , no water(Reversed approx. 31 Bbl. oil into Tanker); IFP 677-881#, ISIP 1290#, FFP 1002-1168#, FSIP 1287#, IHP 2238#, FHP 1962#, BHT 119 Deg. F.

Comments

10/19/12 MIRU Sterling Rig #2, Spud at 10:30 PM.; 10/20/12 Drilling at 569'; 10/21/12 TD. 1010' - WOC; 10/22/12 Drilling at 1950'; 10/23/12 Drilling at 2953'; 10/24/12 TD. 3551' - CCH for DST #1; 10/25/12 Drilling at 3725'; 10/26/12 TD. 3879' - TOH with DST #2; 10/27/12 RTD. 3879', LTD. 3877' - 5 1/2" Production Casing set, PD. 5:00 AM.

Set new 8 5/8" (23#) Surface Casing at 994' w/ 400 sx.(Basic Energy Services). Cement did not Circulate. Cemented from top through 1" with additional 175 sx., Circulated cement to Pit. P.D. 12:30 AM. 10/21/12.

Set new 5 1/2"(15.5#) Production Casing at 3867' with 200 sx. of "Loeb Blend" Cement(Basic Energy Services). PD. 5:00 AM. 10/27/12.

Surveys: 1 Deg. at 1010'(Surface Casing); 1.75 Deg. at 3551'(DST #1); 0.5 Deg. at 3879'(DST #2).


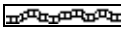
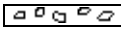
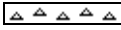
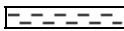







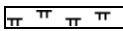

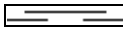
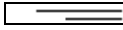
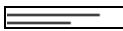



Pipe Strap at 3551'(DST #1): Strap 4.40' Short to the Board, no correction made to the Board.

After review of the Nabors Services, Co. Logs, DST data and positive indications of commercial amounts of recoverable hydrocarbons, the operator elected to set new 5 1/2" Production Casing for completion in the Arbuckle.








































































LOG TOPS: Anhydrite 987(+1010), Base Anhydrite 1005(+992), Chase 1960(+37), Krider 1980(+17), Topeka 3032(-1035), Queen Hill Shale 3286(-1289), Heebner Shale 3392(-1395), Toronto 3412(-1415), Brown Lmst. 3496(-1499), Lansing 'A' 3504(-1507), Lansing 'B' 3534(-1537), Base Kansas City 3723(-1726), Marmaton 3736(-1739), Conglomerate 3758(-1761), Simpson Shale 3814(-1817), Arbuckle 3862(-1865).

NOTE: This log was shifted upward by 2' to 4' for correlation purposes with the Nabors 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

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
 [F] Fenest
 [X] Fracture
 [I] Inter
 [M] Moldic
 [O] Organic
 [P] Pinpoint

[V] Vuggy

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

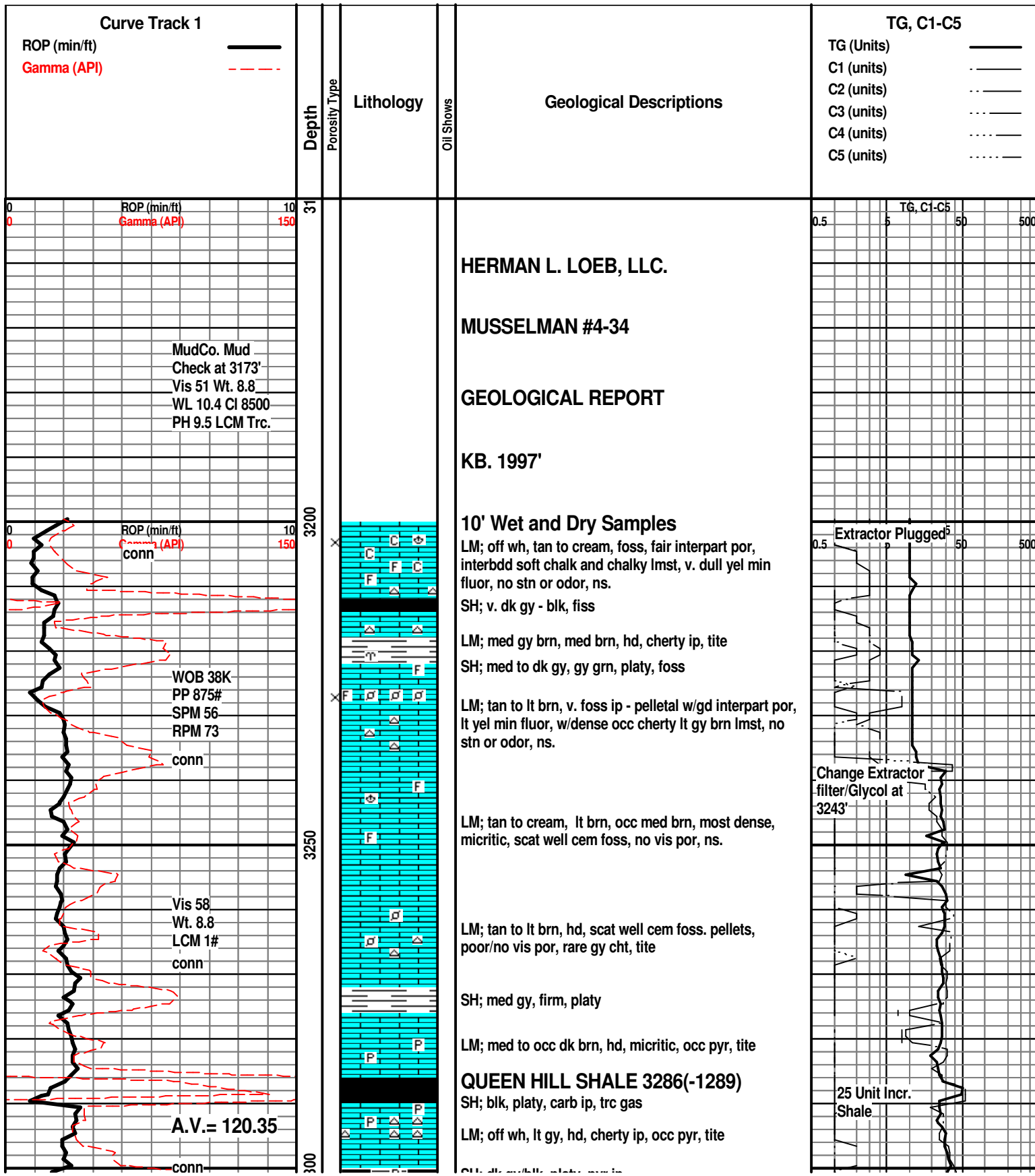
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

OIL SHOW
 [●] Even

- [●] Spotted
 [○] Ques
 [D] Dead

- INTERVAL**
 [■] Core
 [□] Dst

- EVENT**
 [▽] Rft
 [▲] Sidewall



MudCo. Mud
 Check at 3173'
 Vis 51 Wt. 8.8
 WL 10.4 Cl 8500
 PH 9.5 LCM Trc.

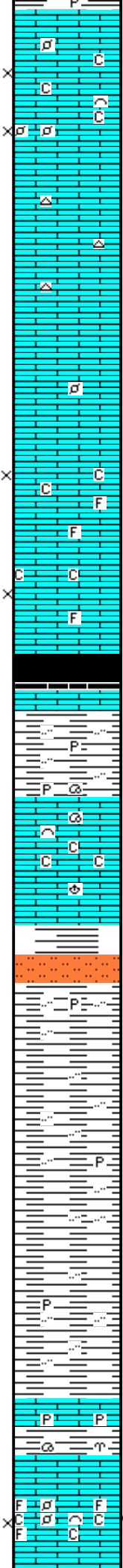
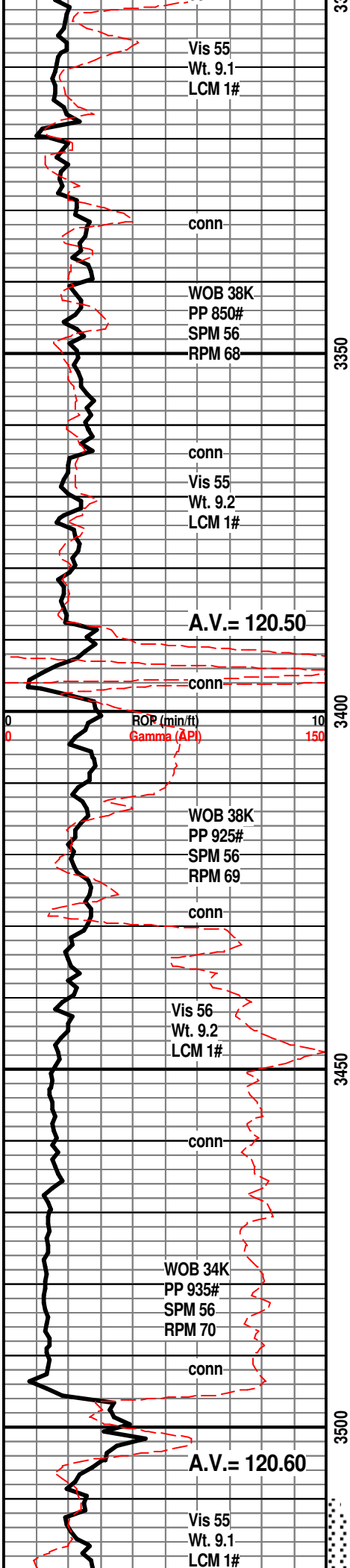
WOB 38K
 PP 875#
 SPM 56
 RPM 73
 conn

Vis 58
 Wt. 8.8
 LCM 1#
 conn

A.V.= 120.35

Extractor Plugged⁵

Change Extractor filter/Glycol at 3243'



SH; dk gy/blk, platy, pyr ip.

LM; tan to lt brn, buff, med xln to gran text, occ foss mat, fair interxln por, scat chalky mtx, spotted lt yel min fluor, no stn or odor, ns.

LM; tan to lt brn, occ lt gy brn, most hd, blocky, scat gy cht, poor/no vis por, no stn or odor, no gas kicks, ns.

LM; tan to cream, off wh, f to med xln, scat foss mat, minor soft chalky mtx, v. dull yel to no fluor, no stn or odor, ns.

HEEBNER SHALE 3392(-1395)
SH; blk, carb, platy, trc gas bubbles
LM; med brn, dense, blocky
SH; grn, gy grn, trc brn, silty ip, firm to soft, rarely pyr

TORONTO 3412(-1415)
LM; off wh, tan - cream, f to med xln ip, foss ip, scat cse spar calc xtals, interbdd soft chalky lmst, lt yel min fluor, poor interxln por, no stn or odor, no gas kick, ns.

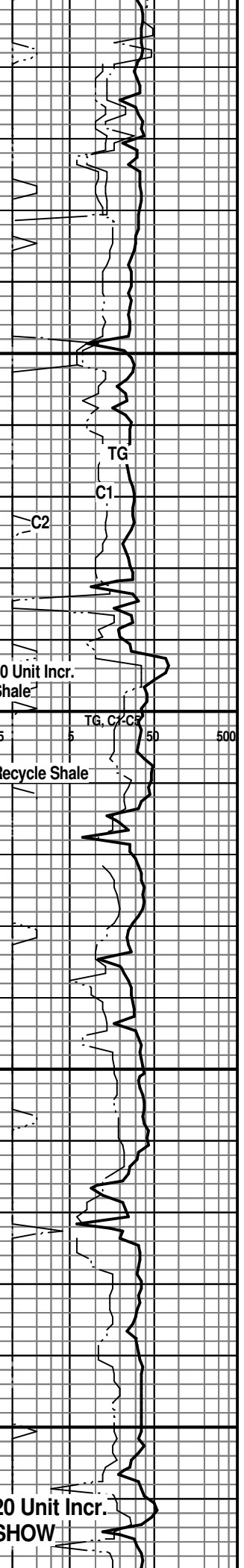
DOUGLAS SHALE 3430(-1433)
SH; varic, gy, rust red, tan, platy
SLTST; lt gy, soft, mica ip, platy

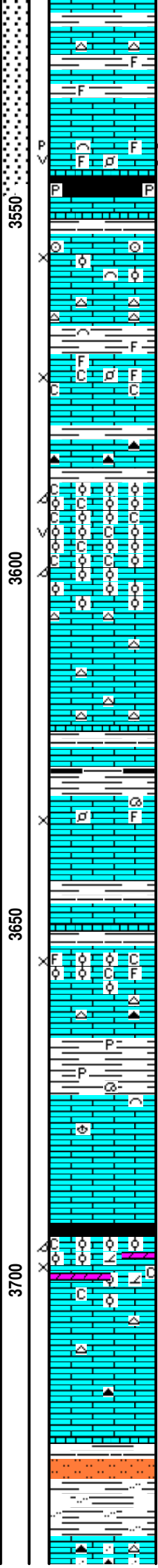
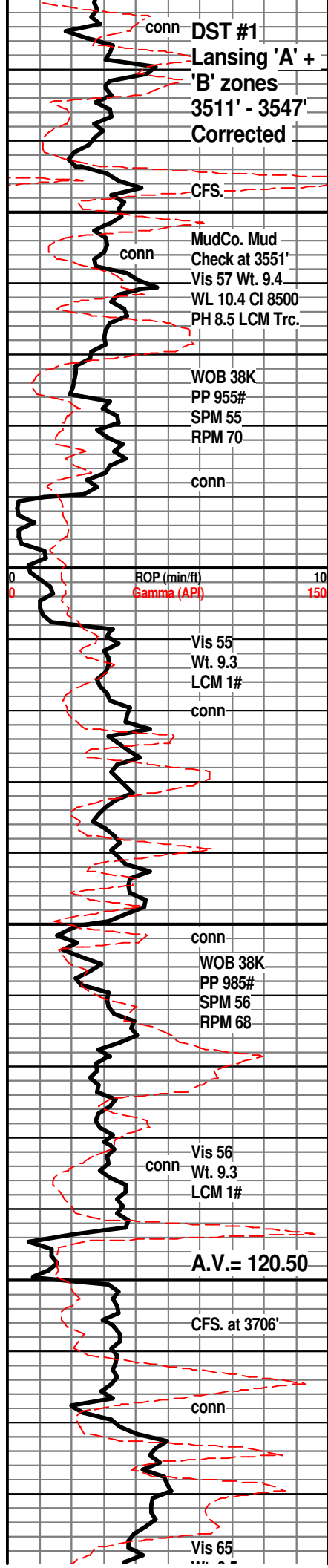
SH; lt gy, occ gy grn, silty, most soft, rare pyr

SH; lt to occ med gy, silty, platy

BROWN LMST. 3496(-1499)
LM; med brn, hd, blocky, occ pyr, tite

LANSING 'A' 3504(-1507)
LM; tan to cream, foss - occ small pellets/ooids, scat poor to fair interpart por, spotted lt to med brn stn, no FO., med to occ brite yel fluor, occ chalky, no odor, weak cut, some tite





LM; tan to off wh, buff, cherty ip, blocky, tite
 SH; med gy, firm, occ foss

LANSING 'B' 3534(-1537)
 LM; wh, off wh, foss/ fxln, fair p-p and vug por, lt brn spotted/even stn, fair odor, brite yel fluor, SSFO, trc gas bubbles, fair to gd cut

DST #1: Lans. 'A' + 'B': 3511' - 3547' Corrected Depths to LOG

LM; tan to buff, foss ip, poor to fair interpart por, most dense, trc blk tarry dead oil flakes, lt to med yel fluor, no live shows, no odor, cherty

SH; med gy, platy, foss

LM; wh, off wh, foss ip, fair interpart por, minor soft chalky mtx, lt yel min fluor, no stn or odor, ns.

LM; med/dk brn, hd, smoky to dk brn cht, tite

LANSING 'G' POROSITY 3590(-1593)
 LM; tan to buff, off wh, oolitic, med size molds w/gd oomoldic por, occ vug por, much soft chalk and chalky mtx, dull yel fluor, no stn or odor, oolitic chert near base, ns.

LM; tan to lt brn, most micritic, cherty ip, hd, no vis por, ns.

SH; dk gy, trc blk, platy

LANSING/KC. 'H' 3632(-1635)
 LM; tan to cream, buff, fxln w/rare foss, trc poor interxln por, dull yel min fluor, no stn or odor, much hd micrite, ns.

SH; dk gy, gy grn, fiss

KANSAS CITY 'I' 3653(-1656)
 LM; off wh, tan, foss - finely oolitic, fair to gd interpart por, minor soft chalky mtx, lt yel min fluor only, no stn or odor, no gas kick, ns.

SH; med gy, occ dk gy w/trc blk, platy, most smooth, scat pyr

KANSAS CITY 'J' 3674(-1677)
 LM; tan to lt brn, rare buff, foss ip, most well cem, blocky, no vis por, scat pyr, v. dull yel min fluor, no stn or odor, ns.

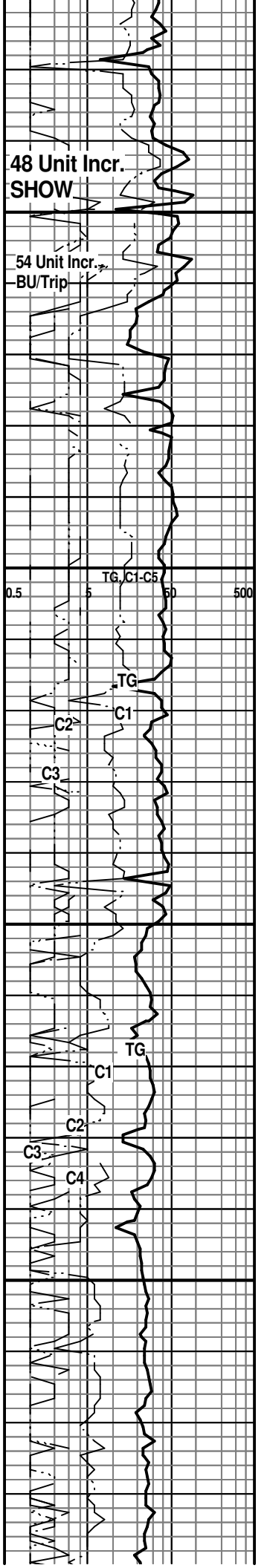
SH; dk gy - blk, platy

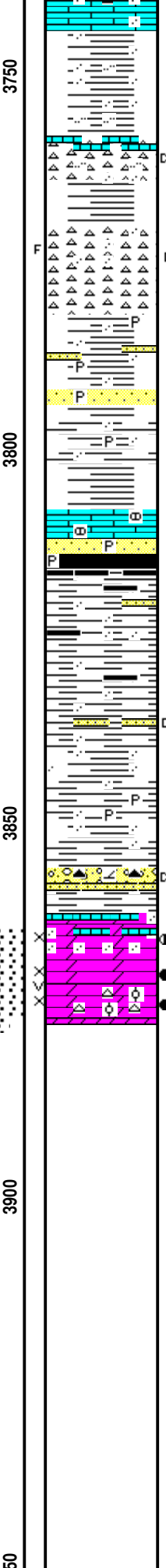
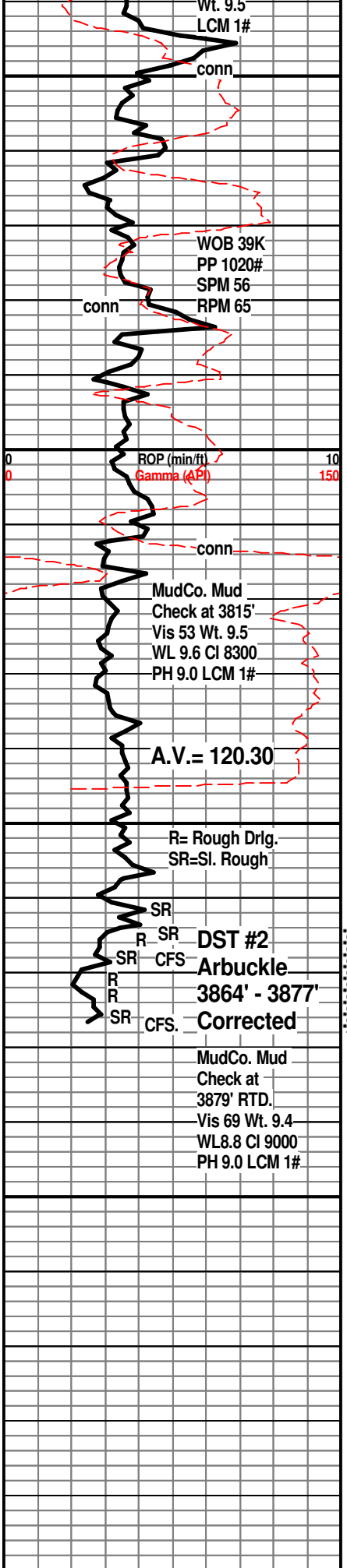
KANSAS CITY 'K' 3694(-1697)
 LM; tan to off wh, buff, foss - oolitic, partly dolomitic w/interbdd dolo, occ soft chalky mtx, most w/gd oomoldic/interxln por, lt yel min fluor only, no stn or odor, no gas kick, ns.

LM; tan to cream, buff, most dense, micritic, scat gy to org cht, hd, no vis por, ns.

BASE KANSAS CITY 3723(-1726)
 SH; varic, grn, gy, rust red, maroon, silty ip w/occ sltst

MARMATON 3736(-1739)
 LM; lt av. lt brn. aritv text ip. most micritic. scat av to





amber cht, lt yel min fluor, no por, ns.

SH; varic, grn, gy, maroon, rust red, platy, silty to occ sandy

CONGLOMERATE 3758(-1761)
 CHT; brite org, yel, off wh, brn, fresh - sharp, trc frags, some nodular weathered lmst, trc blk tar/gilsonite, interbdd varic shales, no live shows, no gas kick

CHT; much brite org, yel, fresh - sharp, trc frags, some sandy, trc blk tar/gils, no fluor, no live shows

SH; varic, maroon, gy, grn, platy, scat pyr

SH; grn, gy grn, some varic - maroon, rust red, sandy, interbdd dk gy sandy sh w/few loose med/cse rnd qtz gr

LM; rust red, trc pink, weathered, nodular ip, hd

SIMPSON SHALE 3814(-1817)
 SH; dk gy, trc blk, platy, sandy ip, scat carb - pyr

SH; grn, waxy ip, sandy w/occ f to med gr qtz embdd in shale, rare carb strks.

SH; grn, turquoise, yel-grn, sandy, scat med/cse gr qtz ss strng, some gilsonite

CONGL & SS; clr, med gr, qtz clusters, shaly, abnt blk tar/gils, no live shows, few pcs. of reworked wh dolo, occ dk gy cht, fair odor

ARBUCKLE 3862(-1865)
 DOL; wh, off wh, very lmy, hd, scat stn, sandy ip.
 DOL; off wh, f to med rhombic, fair interxln por, med yel fluor, v. gd odor, SSFO, spotted stn, v. sandy w/med gr qtz in dolo, fair/gd cut
 DOL; med rhombic, gd interxln w/some vug por, oil saturated, gas bubbles, gd/strong odor, GSFO, brite yel fluor, streaming cut, scat oolitic chert, occ bleeding oil droplets

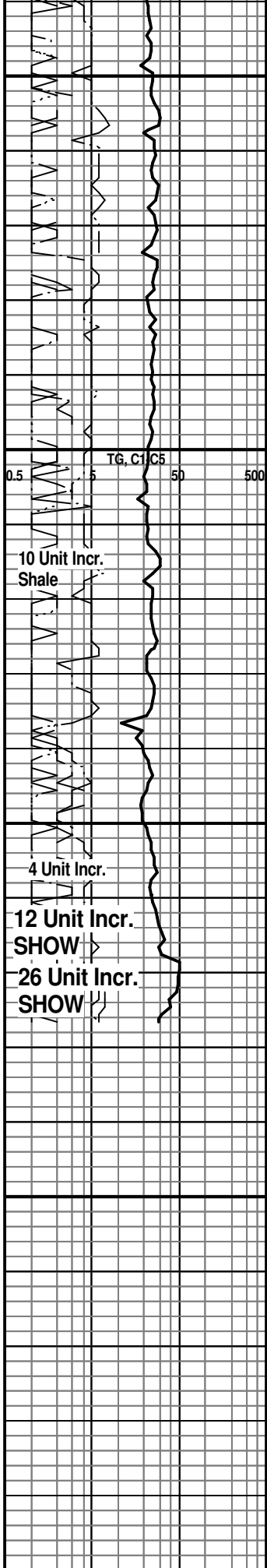
DST #2: Arbuckle 3864' - 3877'
Corrected Depths to LOG

RTD. 3879' on 10/26/12

LTD. 3877'

NABORS Services Co.
 DIL, NEU/DEN with PE

NOTE: This log was shifted upward by 2' to 4' for correlation purposes with the Nabors Services Co. Logs.





6076
701 missed
6438

PAGE	CUST NO	INVOICE DATE
1 of 1	1007589	10/23/2012
INVOICE NUMBER		
1718 - 91032537		

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 Musselman 4-34
 O LOCATION
 B COUNTY Pawnee
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40526115	20920		Net - 30 days	11/22/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 10/21/2012 to 10/21/2012				
0040526115				
171806596A Cement-New Well Casing/Pi 10/21/2012				
Cement 8 5/8" Surface				
BETON WIRE LOG SEND OTHER CORRESPONDENCE TO:				
A-Con Common	200.00	EA	13.50	2,700.00
Common Cement	450.00	EA	12.00	5,400.00
Celloflake	100.00	EA	2.78	277.50
Calcium Chloride	1,270.00	EA	0.79	1,000.13
Sugar	50.00	EA	1.50	75.00
"Top Rubber Cmt Plug, 8 5/8" "	1.00	EA	168.75	168.75
"8 5/8" Guide Shoe (Red)"	1.00	EA	412.50	412.50
Flapper Type Insert Float Valve 8 5/8" (B	1.00	EA	210.00	210.00
"Unit Mileage Chg (PU, cars one way)"	55.00	MI	3.19	175.31
Heavy Equipment Mileage	110.00	MI	5.25	577.50
"Proppant & Bulk Del. Chgs., per ton mil	1,683.00	EA	1.20	2,019.60
Depth Charge; 501'-1000'	1.00	EA	900.00	900.00
Blending & Mixing Service Charge	650.00	BAG	1.05	682.50
Plug Container Util.-Chg.	1.00	EA	187.50	187.50
"Cement Pumper, Add'l hrs. on Location"	1.00	HR	375.00	375.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	15,292.54
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	784.57
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	16,077.11
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 00588 A

DATE _____ TICKET NO. _____

DATE OF JOB 10-27-12 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 Luch LLC		LEASE Musselman # 4-34 WELL NO.							
ADDRESS		COUNTY Pawnee 34 21 16 STATE Ks							
CITY STATE		SERVICE CREW Allen Joe Brett							
AUTHORIZED BY		JOB TYPE: 8 3/8' Surface <i>new</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
#23443 Pd							10-27-12	PM	11:50
23708 20920	3					ARRIVED AT JOB	10 20 12	AM	2:30
19959 21010	3					START OPERATION	10 20 12	AM	7:00
						FINISH OPERATION	10 20 12	AM	12:50
						RELEASED	10 20 12	AM	10:00
						MILES FROM STATION TO WELL 55 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
CP101	A-CON Blend cement	SK	200		\$ 3600.00
CP100C	Common	SK	200		\$ 2200.00
CP100L	Common	SK	200		\$ 2200.00
CC103	Gill FLAKE	lb	100		\$ 370.00
CC109	Calcium Chloride	lb	100		\$ 1100.00
CP100C	Common	SK	50		\$ 800.00
CF105	Top Rubber cement Plug 8 3/8	EA	1		\$ 220.00
CF203	8 3/8 Guide Shoe Reel	EA	1		\$ 500.00
CF1433	Flapper Type insert Flat Valve 8 3/8	EA	1		\$ 280.00
CF111	Sugar	lb	50		\$ 155.00
CF403	Cement Pump Adapter on Loc	EA	1		\$ 500.00
F100	milage Chg P.U	m	50		\$ 233.72
F101	Heavy Equip P mileage	m	110		\$ 277.20
F113	Bulk Oil Chg	TM	15	1683	\$ 25245.00
CF201	Depth Chg 501-1000	4-hr	1		\$ 1200.00
CF243	Blend 2 m... Service chg 650	SK	300	910	\$ 273000.00
CF204	Plug cement... 4' cement chg	500	1		\$ 2000.00
S.203	Service... first chg	EA	1		\$ 1150.00

SUB TOTAL \$ 15,292.54

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		DL3 15,292.54

SERVICE REPRESENTATIVE *Allen F Ward* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Agreement of Terms and Conditions

All sales of services, products, or materials by Basic Energy Services LP, (hereinafter called BES) to any Customer, unless otherwise set out in writing, are subject to the terms and conditions set out herein.

Terms:

All Service Charges and materials included in service price list are NET. Unless satisfactory credit has been established, cash payment will be required in advance. Credit Customer agrees to pay BES in its office in Cisco, Texas, for all services and materials on or before the 20th of the following month after the date of the invoice. Customers invoice is considered in default if payment has not been received by the last day of the month following the month in which the invoice is dated and services delivered. Past due accounts will be subject to a charge for interest at the highest rate allowable by law, and if placed in the hands of an attorney for collection, Customer agrees to pay all collection costs, reasonable attorney fees and court costs.

Taxes:

All prices are exclusive of any Federal, State or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable. If payment of any applicable royalty or license fee is required in connection with any service performed by BES for Customer, such royalty or license fee will be billed to the Customer in addition to the price of the services performed.

Special Pricing Provisions:

All materials listed in the price schedule are F.O.B. our field stock.

All prices are subject to change without notice.

The prices in this price list apply to normal operations. Special jobs under unusual circumstances on jobs requiring unusual mobilization of equipment and/or personnel, such as blowouts, experimental jobs, etc., are to be subject to special price quotations.

Orders for products of special design, size or materials are not subject to cancellation after processing of such order has begun by BES. Equipment altered, made to Customer's specifications, or requiring special handling, is subject to special prices.

If materials or services are ordered and the Customer cancels same after the materials have been prepared, a charge will be made to the Customer for expenses incurred.

Customer states that the well and all support personnel and services not being supplied by BES are ready and in condition to receive the materials and services being supplied by BES. Customer will be subject to a charge for "stand-by" time incurred by BES. For all BES services, stand-by time is all time our equipment is on location prior to commencement of operations or after completion of operations and is not operating for reasons not within the control of BES. Stand-by time is calculated from time of arrival on location or arrival time as scheduled by Customer, whichever is later, and until equipment is released by Customer.

Towing Charges:

We will make reasonable attempts to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer. In either event, Customer assumes liability for any damages arising from such pulling or arising from inadequate access to the well site.

Product Return:

Any BES Products that have been in the hands of the Customer, if not special or obsolete, will be accepted for credit, subject to our approval and inspection, if they are new unused and in salable condition. The Customer will pay the return freight, and will receive credit at the original purchase price less the original outbound freight. Any material classified or ordered as special is not subject to return or cancellation privileges.

Service Warranty:

There are obviously many conditions in and about the well which we can have no knowledge and over which we can have no control. Therefore, we do not guarantee any particular results from services to be performed hereunder. In interpreting information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, BES will give Customer the benefit of its best judgment based on its experience in the field. However, due to the Customer's control of the well the impracticality of providing BES with all the data concerning same, and the necessary reliance of BES upon supporting services, data and facts supplied by others, BES does not guarantee or warrant the accuracy or correctness of any facts, information or data furnished by BES or any interpretation of tests, meter readings, chart information, analysis of research or recommendations made by BES, unless caused by the willful misconduct or gross negligence of BES in the preparation of furnishing of such facts, information or data and NO WARRANTY IS GIVEN CONCERNING THE RECOMMENDATIONS MADE OR SERVICES RENDERED BY THE COMPANY AND NO WARRANTY IS MADE CONCERNING THE RESULTS SOUGHT TO BE OBTAINED THROUGH USE OF MATERIALS RECOMMENDED BY THE COMPANY. The Company's liability for injury to all persons or damage to any property or property rights, including but not limited to reservoir damage sub-surface trespass or drainage, etc., occasioned by reason of materials sold or rented or services performed hereunder shall be limited to those occurring due to the acts of willful misconduct or gross negligence of BES, and Customer agrees to be responsible for and indemnify BES against any loss or damage it may sustain by reason of materials sold or rented or services performed hereunder, unless such loss or damage is caused by the willful misconduct or gross negligence of BES.

Product Warranty:

BES warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended, and that it can convey good title thereto. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BES's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale of use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on the return to BES or at BES's option, to the allowance to the customer of credit for the cost of such items. In no event shall BES be liable for special, incidental, indirect, punitive or consequential damages.

Service Conditions:

Because there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

BES shall not be liable or responsible for a Customer shall defend, indemnify, and save BES harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to Customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by or on behalf of Customer, the well owner, or any third person, arising out of or in connection with BES's performance of services or the furnishing of materials, products and supplies, unless caused by the willful misconduct or gross negligence of BES.

Customer shall also be responsible for and shall defend, indemnify and save BES harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occur-

ring as a result of sub-surface trespass arising out of any oil well operations or services performed by BES, this provision applying to any claims or legal actions or royalty owners, working interest holders, overriding royalty interest holders, or any other person or concern.

Should any of our equipment, tools or instruments become lost in the well when performing or attempting to perform our services hereunder, it is understood that the Customer shall make reasonable effort to recover the lost equipment. The Customer shall assume the entire responsibility for such fishing operations in the recovery or attempted recovery of any such lost equipment, tools or instruments and if such equipment, tools or instruments are not recovered, Customer shall pay BES its replacement cost unless such loss is due to the sole negligence of BES. If BES's equipment, tools or instruments are damaged in the well, Customer shall pay BES the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of BES.

Work done by BES shall be under the direction, supervision and control of the owner, operator, or his agent and BES will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

The Customer shall at all times have complete care, custody and control of the well, the drilling and production equipment at the well and the premises about the well.

Any delays or failure by BES in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident riot, acts of God, or any contingencies beyond the reasonable control of BES. Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

General Provisions:

Wherever the initials BES appear in this document, they are intended solely to be an abbreviation of Basic Energy Services LP, and are used in substitution of such full name as if the full name were set out in each instance.

Any modifications of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this document, are hereby objected to BY REQUESTING ANY OF THE GOODS AND SERVICES SET FORTH HEREIN BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED IN THIS DOCUMENT.

BES reserves the right to change or modify the design of any BES product without obligation to furnish or install such changes or modification on products previously or subsequently sold.

Information regarding our services rendered in Customer's well is held in strict confidence and will be released to others only upon written approval by owner, or when required by Federal, State or Local Laws, Regulations, Orders or Ordinances, or for use as evidence in court proceedings involving the subject matter of services rendered.

Failure to enforce any or all of the herein specified terms or conditions in any particular instance shall not constitute a continuing waiver, or preclude subsequent enforcement thereof.

No employee, representative or agent other than an officer of BES is empowered to alter any of the herein specified terms and conditions.

These terms and condition shall be governed by the laws of the State of Texas, and in case of any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, such shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

6676
10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718-00536 A

DATE _____ TICKET NO. _____

DATE OF JOB: <u>10-29-12</u> DISTRICT: <u>K</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>H... J.L. L... LLC</u>	LEASE: <u>M... 1... #4-4</u> WELL NO.:								
ADDRESS:	COUNTY: <u>P... 2116</u> STATE: <u>K</u>								
CITY: STATE:	SERVICE CREW: <u>Joe</u>								
AUTHORIZED BY:	JOB TYPE: <u>1/2 S.I.</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB			
						START OPERATION			
						FINISH OPERATION			
						RELEASED			
						MILES FROM STATION TO WELL			

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
					\$ 3600.00
					\$ 2200.00
	common				\$ 370.00
			1278		\$ 9872.20
			1		\$ 225.00
			1		\$ 550.00
			1		\$ 280.00
					\$ 100.00
C5403	Cement Pumper Add. hrs on loc.	EA	1		\$ 500.00
					\$ 233.75
					\$ 1200.00
					\$ 1200.00
					\$ 250.00
					\$ 175.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL: DLS 15,272.74

SERVICE REPRESENTATIVE: Eric P. J... THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Agreement of Terms and Conditions

All sales of services, products, or materials by Basic Energy Services LP, (hereinafter called BES) to any Customer, unless otherwise set out in writing, are subject to the terms and conditions set out herein.

Terms:

All Service Charges and materials included in service price list are NET. Unless satisfactory credit has been established, cash payment will be required in advance. Credit Customer agrees to pay BES in its office in Cisco, Texas, for all services and materials on or before the 20th of the following month after the date of the invoice. Customers invoice is considered in default if payment has not been received by the last day of the month following the month in which the invoice is dated and services delivered. Past due accounts will be subject to a charge for interest at the highest rate allowable by law, and if placed in the hands of an attorney for collection, Customer agrees to pay all collection costs, reasonable attorney fees and court costs.

Taxes:

All prices are exclusive of any Federal, State or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable. If payment of any applicable royalty or license fee is required in connection with any service performed by BES for Customer, such royalty or license fee will be billed to the Customer in addition to the price of the services performed.

Special Pricing Provisions:

All materials listed in the price schedule are F.O.B. our field stock.

All prices are subject to change without notice.

The prices in this price list apply to normal operations. Special jobs under unusual circumstances on jobs requiring unusual mobilization of equipment and/or personnel, such as blowouts, experimental jobs, etc., are to be subject to special price quotations.

Orders for products of special design, size or materials are not subject to cancellation after processing of such order has begun by BES. Equipment altered, made to Customer's specifications, or requiring special handling, is subject to special prices.

If materials or services are ordered and the Customer cancels same after the materials have been prepared, a charge will be made to the Customer for expenses incurred.

Customer states that the well and all support personnel and services not being supplied by BES are ready and in condition to receive the materials and services being supplied by BES. Customer will be subject to a charge for "stand-by" time incurred by BES. For all BES services, stand-by time is all time our equipment is on location prior to commencement of operations or after completion of operations and is not operating for reasons not within the control of BES. Stand-by time is calculated from time of arrival on location or arrival time as scheduled by Customer, whichever is later, and until equipment is released by Customer.

Towing Charges:

We will make reasonable attempts to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer. In either event, Customer assumes liability for any damages arising from such pulling or arising from inadequate access to the well site.

Product Return:

Any BES Products that have been in the hands of the Customer, if not special or obsolete, will be accepted for credit, subject to our approval and inspection, if they are new unused and in salable condition. The Customer will pay the return freight, and will receive credit at the original purchase price less the original outbound freight. Any material classified or ordered as special is not subject to return or cancellation privileges.

Service Warranty:

There are obviously many conditions in and about the well which we can have no knowledge and over which we can have no control. Therefore, we do not guarantee any particular results from services to be performed hereunder. In interpreting information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, BES will give Customer the benefit of its best judgment based on its experience in the field. However, due to the Customer's control of the well the impracticality of providing BES with all the data concerning same, and the necessary reliance of BES upon supporting services, data and facts supplied by others, BES does not guarantee or warrant the accuracy or correctness of any facts, information or data furnished by BES or any interpretation of tests, meter readings, chart information, analysis of research or recommendations made by BES, unless caused by the willful misconduct or gross negligence of BES in the preparation of furnishing of such facts, information or data and NO WARRANTY IS GIVEN CONCERNING THE RECOMMENDATIONS MADE OR SERVICES RENDERED BY THE COMPANY AND NO WARRANTY IS MADE CONCERNING THE RESULTS SOUGHT TO BE OBTAINED THROUGH USE OF MATERIALS RECOMMENDED BY THE COMPANY. The Company's liability for injury to all persons or damage to any property or property rights, including but not limited to reservoir damage sub-surface trespass or drainage, etc., occasioned by reason of materials sold or rented or services performed hereunder shall be limited to those occurring due to the acts of willful misconduct or gross negligence of BES, and Customer agrees to be responsible for and indemnify BES against any loss or damage it may sustain by reason of materials sold or rented or services performed hereunder, unless such loss or damage is caused by the willful misconduct or gross negligence of BES.

Product Warranty:

BES warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended, and that it can convey good title thereto. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BES's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale of use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on the return to BES or at BES's option, to the allowance to the customer of credit for the cost of such items. In no event shall BES be liable for special, incidental, indirect, punitive or consequential damages.

Service Conditions:

Because there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

BES shall not be liable or responsible for a Customer shall defend, indemnify, and save BES harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to Customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by or on behalf of Customer, the well owner, or any third person, arising out of or in connection with BES's performance of services or the furnishing of materials, products and supplies, unless caused by the willful misconduct or gross negligence of BES.

Customer shall also be responsible for and shall defend, indemnify and save BES harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occur-

ring as a result of sub-surface trespass arising out of any oil well operations or services performed by BES, this provision applying to any claims or legal actions or royalty owners, working interest holders, overriding royalty interest holders, or any other person or concern.

Should any of our equipment, tools or instruments become lost in the well when performing or attempting to perform our services hereunder, it is understood that the Customer shall make reasonable effort to recover the lost equipment. The Customer shall assume the entire responsibility for such fishing operations in the recovery or attempted recovery of any such lost equipment, tools or instruments and if such equipment, tools or instruments are not recovered, Customer shall pay BES its replacement cost unless such loss is due to the sole negligence of BES. If BES's equipment, tools or instruments are damaged in the well, Customer shall pay BES the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of BES.

Work done by BES shall be under the direction, supervision and control of the owner, operator, or his agent and BES will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

The Customer shall at all times have complete care, custody and control of the well, the drilling and production equipment at the well and the premises about the well.

Any delays or failure by BES in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident riot, acts of God, or any contingencies beyond the reasonable control of BES. Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

General Provisions:

Wherever the initials BES appear in this document, they are intended solely to be an abbreviation of Basic Energy Services LP, and are used in substitution of such full name as if the full name were set out in each instance.

Any modifications of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this document, are hereby objected to BY REQUESTING ANY OF THE GOODS AND SERVICES SET FORTH HEREIN BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED IN THIS DOCUMENT.

BES reserves the right to change or modify the design of any BES product without obligation to furnish or install such changes or modification on products previously or subsequently sold.

Information regarding our services rendered in Customer's well is held in strict confidence and will be released to others only upon written approval by owner, or when required by Federal, State or Local Laws, Regulations, Orders or Ordinances, or for use as evidence in court proceedings involving the subject matter of services rendered.

Failure to enforce any or all of the herein specified terms or conditions in any particular instance shall not constitute a continuing waiver, or preclude subsequent enforcement thereof.

No employee, representative or agent other than an officer of BES is empowered to alter any of the herein specified terms and conditions.

These terms and condition shall be governed by the laws of the State of Texas, and in case of any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, such shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

BASIC

energy services, L.P.

TREATMENT REPORT

Customer: **Herman I. Loeb LLC** Lease No. **#12** Date: **10-20-12**
 Lease: **Musselman** Well # **4-34**
 Field Order # **#06596A** Station **Pratt** Casing **8 5/8"** Depth **994'** County **Lawrence** State **KS**
 Type Job **8 5/8" Surface** Formation **CNW** TO **1010'** Legal Description **37-21-16**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 5/8"				200 SKS A-COW @ 12"			5 Min.	
Depth 994'	Depth	From	To	Pre Pad 200 SKS common	Max 2%	1/4"	C.F. @ 15.6"	
Volume 61	Volume	From	To	Pad	Min		10 Min.	
Max Press 4 300#	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 452'	Packer Depth	From	To	Flush Disp H 20	Gas Volume		Total Load	

Customer Representative: **EVLAOD TP** Station Manager: **SCOTTY** Treater: **Allen**

Service Units	28443	33708	20920	19959	21010
Driver Names	Allen	Joe	Melvin	Brett	Reed

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:30	pm				on loc. Discuss Safety, Setup Plan Job
					Reg. making Short Trip
5:48			11		Start 8 5/8" casing 23' pipe
					Shoe Joint 42' w/ Reg. Shoe
					+ Auto insert fill up in collar
7:15					Casing @ 994' cir w/ Reg.
7:30	200#		88	5	St mix + pump 200 SKS A-COW 12"
				5	Mix + Pump 200 SKS common
					w/ 2% CC, 1/4" C.F. @ 15.6"
			43		Finish mix, Release Top
					Rubber Plug 8 5/8"
				4 1/2	Start Disp.
8:30	400#		62	3	Plug down
					Release PSI OK
					NO cmt to Pit.
					Set cellar NO cmt
					Run Line to check cmt Depth
					ON BACK side of Pipe.
					order more cmt.
					cont.

Taylor Printing, Inc. 620-672-3656

Customer: HEIMAN Biotech LLC Lease No: 42 Date: 10-21-12
 Lease: Musselman Well #: 4-34
 Field Order #: 06546A Station: Pratt Casing: 8-5/8 Depth: 494 County: Pawnee State: KS
 Type Job: 8 5/8" surface enw Formation: _____ Legal Description: 34-21-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<u>8 5/8"</u>				<u>175 SKs com. 2% CC</u>	<u>1.5/gal</u>		<u>5 Min.</u>
Depth	Depth	From	To	Pre Pad	Max		
<u>494</u>				<u>75 SKs com. neat</u>			
Volume	Volume	From	To	Pad	Min		10 Min.
<u>61</u>							
Max Press	Max Press	From	To	Frac	Avg		15 Min.
<u>300</u>							
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
<u>P</u>							
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load
<u>952</u>							

Customer Representative: EVLADD TP Station Manager: scott H Treater: Allen

Service Units	28443	33703	20920	19959	21010				
Driver Names	<u>Allen</u>	<u>Joe</u>	<u>Molson</u>	<u>Breth</u>	<u>Reed</u>				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	1" Job Service Log				
<u>1140 PM</u>			<u>37 1/2</u>	<u>1 1/2</u>	<u>start mix 175 common 2% CC</u>				
			<u>15</u>	<u>1 1/2</u>	<u>start mix 75 SKs common neat</u>				
					<u>amt. air To P.t.</u>				
					<u>washup + Rackup Equip.</u>				
<u>130 AM</u>					<u>Job complete</u>				
					<u>"Run 2 Its 1" Tbj. Stack out."</u>				

thanks Allen
 Joe
 Brett!



6076
701 Mussel
6438

PAGE 1 of 1	CUST NO 1007589	INVOICE DATE 10/30/2012
INVOICE NUMBER 1718 - 91039052		

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 Musselman 4-34
 O LOCATION
 B COUNTY Pawnee
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40528696	20920		Net - 30 days	11/29/2012
For Service Dates: 10/27/2012 to 10/27/2012				
0040528696				
171807268A Cement-New Well Casing/Pi 10/27/2012				
*Cement 5 1/2" Longstring				
50/50 POZ 250.00 EA 8.25 2,062.41 T				
Celloflake 63.00 EA 2.77 174.82 T				
Gypsum 1,050.00 EA 0.56 590.60 T				
FLA-322 105.00 EA 5.62 590.60 T				
Gilsonite 1,500.00 EA 0.50 753.72 T				
Mud Flush 1,000.00 EA 0.64 644.97 T				
KCL Potassium Chloride 566.00 EA 1.12 636.72 T				
"Latch Down Plug & Baffle, 5 1/2" (Blu 1.00 EA 299.99 299.99				
"Cmt. Shoe Packer Type, 5 1/2" (Red)" 1.00 EA 2,774.88 2,774.88				
"Turbolizer, 5 1/2" (Blue)" 10.00 EA 82.50 824.96				
"5 1/2" Basket (Blue)" 2.00 EA 217.49 434.98				
"Unit Mileage Chg (PU, cars one way)" 55.00 MI 3.19 175.30				
Heavy Equipment Mileage 110.00 MI 5.25 577.47				
"Proppant & Bulk Del. Chgs., per-ton mil 578.00 EA 1.20 693.57				
Depth Charge; 3001-4000' 1.00 EA 1,619.93 1,619.93				
Blending & Mixing Service Charge 250.00 BAG 1.05 262.49				
Plug Container Util. Chg. 1.00 EA 187.49 187.49				
"Service Supervisor, first 8 hrs on loc. 1.00 EA 131.24 131.24				
PLEASE REMIT TO:		SEND OTHER CORRESPONDENCE TO:		
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		SUB TOTAL 13,436.14
PO BOX 841903		PO BOX 10460		TAX 452.67
DALLAS, TX 75284-1903		MIDLAND, TX 79702		INVOICE TOTAL 13,888.81



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

FIELD SERVICE TICKET
1718 07268 A

DATE: _____ TICKET NO. _____

DATE OF JOB		DISTRICT		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				LEASE				WELL NO.		
ADDRESS				COUNTY				STATE		
CITY				STATE		SERVICE CREW				
AUTHORIZED BY				JOB TYPE: <u>45</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

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
1					2,200.00
10					550.00
11					233.10
12					747.50
13					747.50
14					1,000.00
15					249.00
16					400.00
17					2,700.00
18					7,110.00
19					250.00
20					800.00
21					233.75
22					770.00
23					924.00
24					2,100.00
25					300.00
26					250.00
27					1,750.00

SUB-TOTAL: 17,110.00

CHEMICAL / ACID DATA:			

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

TOTAL

SERVICE REPRESENTATIVE: _____ THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>HOLDMAN LUCK</i>	Lease No.	Date <i>10-27-12</i>
Lease <i>NUSSLEMAN</i>	Well # <i>4-34</i>	
Field Order # <i>7208</i>	Station <i>PRATT KS</i>	Casing <i>5"</i>
		Depth <i>367</i>
Type Job <i>CNW 5" LWD</i>	Formation	Legal Description <i>34-21-16</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5 1/2</i>								
Depth <i>367</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>72</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>2400</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>344'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Williams</i>
-------------------------	--------------------------------------	-----------------------------------

Service Units	<i>2790</i>	<i>3370</i>	<i>2520</i>	<i>1921</i>	<i>1942</i>				
Driver Names	<i>Callahan</i>	<i>Wright</i>		<i>Pratt</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:30</i>					<i>cid the soft, mmm</i>
					<i>Run 97 lbs 5 1/2 13.5 cpg</i>
					<i>1st shot 13' at 13.5 cpg 3467'</i>
<i>2:50</i>					<i>Casing cid bottom</i>
<i>3:00</i>					<i>Run 100 lb cid</i>
<i>3:05</i>					<i>Shot down DRUG BALL</i>
<i>4:15</i>	<i>950</i>				<i>2nd pack shot 1000 cpg</i>
	<i>200</i>		<i>24</i>	<i>3</i>	<i>1st acid shot</i>
			<i>5</i>		<i>SPRINK</i>
			<i>48</i>	<i>5</i>	<i>mix cont 2000 cpg 14.5 cpg</i>
					<i>cid mixed shot down whole line, pump</i>
					<i>Release Plug</i>
				<i>6</i>	<i>1st Acid</i>
	<i>350</i>		<i>67</i>		<i>1st Pack</i>
	<i>500</i>		<i>75</i>	<i>4</i>	<i>Slow Note</i>
<i>5:00</i>	<i>1700</i>		<i>97</i>		<i>Plug down</i>
			<i>7</i>	<i>2</i>	<i>Plug with w/ 304</i>
			<i>5</i>		<i>Plug with w/ 304</i>
					<i>JOB COMPLETE</i>

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656



DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jon Christensen

Musselman #4-34

34-21s-16w Pawnee,KS

Start Date: 2012.10.24 @ 09:20:05

End Date: 2012.10.24 @ 16:26:20

Job Ticket #: 49693 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.26 @ 09:52:12

Herman L Loeb LLC

34-21s-16w Pawnee,KS

Musselman #4-34

DST # 1

Lansing "A & B"

2012.10.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

34-21s-16w Pawnee, KS
Musselman #4-34
 Job Ticket: 49693 **DST#: 1**
 Test Start: 2012.10.24 @ 09:20:05

GENERAL INFORMATION:

Formation: **Lansing "A & B"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:16:20 Tester: Leal Cason
 Time Test Ended: 16:26:20 Unit No: 45
 Interval: **3515.00 ft (KB) To 3551.00 ft (KB) (TVD)** Reference Elevations: 1997.00 ft (KB)
 Total Depth: 3551.00 ft (KB) (TVD) 1986.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

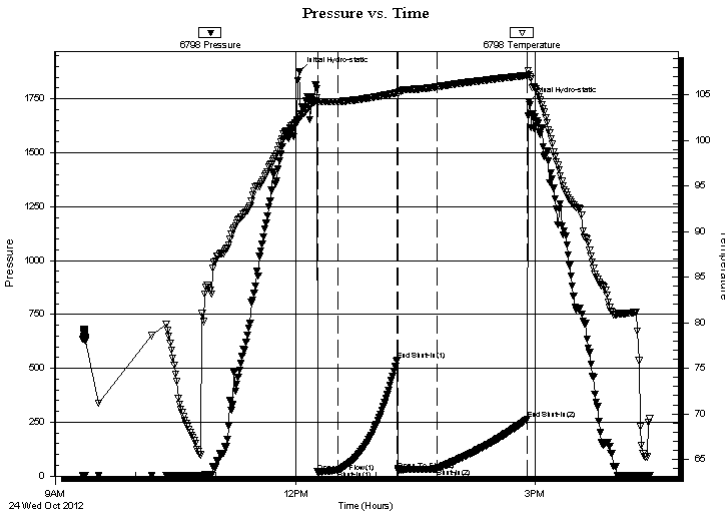
Serial #: 6798

Inside

Press @ Run Depth: 35.89 psig @ 3516.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.24 End Date: 2012.10.24 Last Calib.: 2012.10.24
 Start Time: 09:20:06 End Time: 16:26:20 Time On Btm: 2012.10.24 @ 12:02:50
 Time Off Btm: 2012.10.24 @ 14:55:20

TEST COMMENT: IF: Weak 1/2" Blow
 IS: No Blow Back
 FF: Weak Blow, Built to 4"
 FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.51	102.37	Initial Hydro-static
14	19.78	104.24	Open To Flow (1)
29	26.92	104.27	Shut-In(1)
74	539.65	105.23	End Shut-In(1)
75	27.63	105.16	Open To Flow (2)
104	35.89	105.89	Shut-In(2)
171	264.40	107.13	End Shut-In(2)
173	1738.07	107.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 GIP	0.00
20.00	SGCM 2&G 98%M	0.10

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

34-21s-16w Pawnee,KS
Musselman #4-34
 Job Ticket: 49693 **DST#: 1**
 Test Start: 2012.10.24 @ 09:20:05

GENERAL INFORMATION:

Formation: **Lansing "A & B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:16:20
 Time Test Ended: 16:26:20
Interval: 3515.00 ft (KB) To 3551.00 ft (KB) (TVD)
 Total Depth: 3551.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

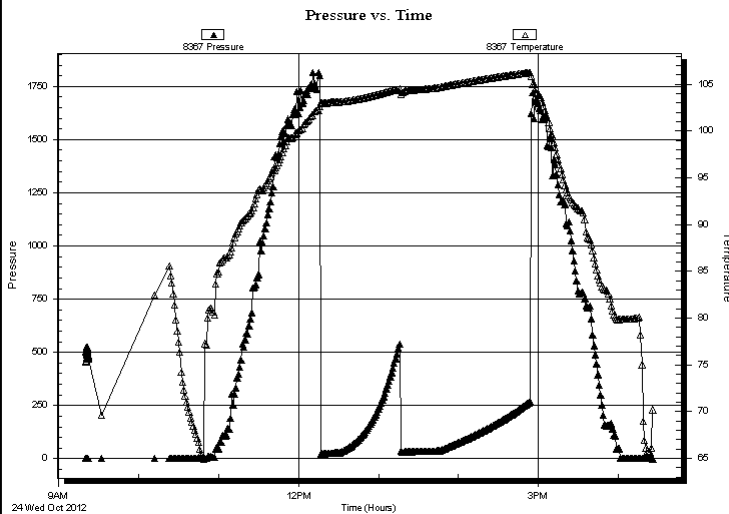
Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1997.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8367

Outside

Press @ Run Depth: psig @ 3516.00 ft (KB)
 Start Date: 2012.10.24 End Date: 2012.10.24
 Start Time: 09:20:06 End Time: 16:26:05
 Capacity: 8000.00 psig
 Last Calib.: 2012.10.24
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak 1/2" Blow
 IS: No Blow Back
 FF: Weak Blow, Built to 4"
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 GIP	0.00
20.00	SGCM 2&G 98%M	0.10

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

34-21s-16w Pawnee,KS
Musselman #4-34
 Job Ticket: 49693 **DST#: 1**
 Test Start: 2012.10.24 @ 09:20:05

Tool Information

Drill Pipe:	Length: 3283.00 ft	Diameter: 3.80 inches	Volume: 46.05 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 47.11 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3515.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			3498.00	
Hydraulic tool	5.00			3503.00	
Safety Joint	2.00			3505.00	
Packer	5.00			3510.00	22.00 Bottom Of Top Packer
Packer	5.00			3515.00	
Stubb	1.00			3516.00	
Recorder	0.00	6798	Inside	3516.00	
Recorder	0.00	8367	Outside	3516.00	
Perforations	32.00			3548.00	
Bullnose	3.00			3551.00	36.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-21s-16w Pawnee,KS
Musselman #4-34
Job Ticket: 49693 **DST#: 1**
Test Start: 2012.10.24 @ 09:20:05

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

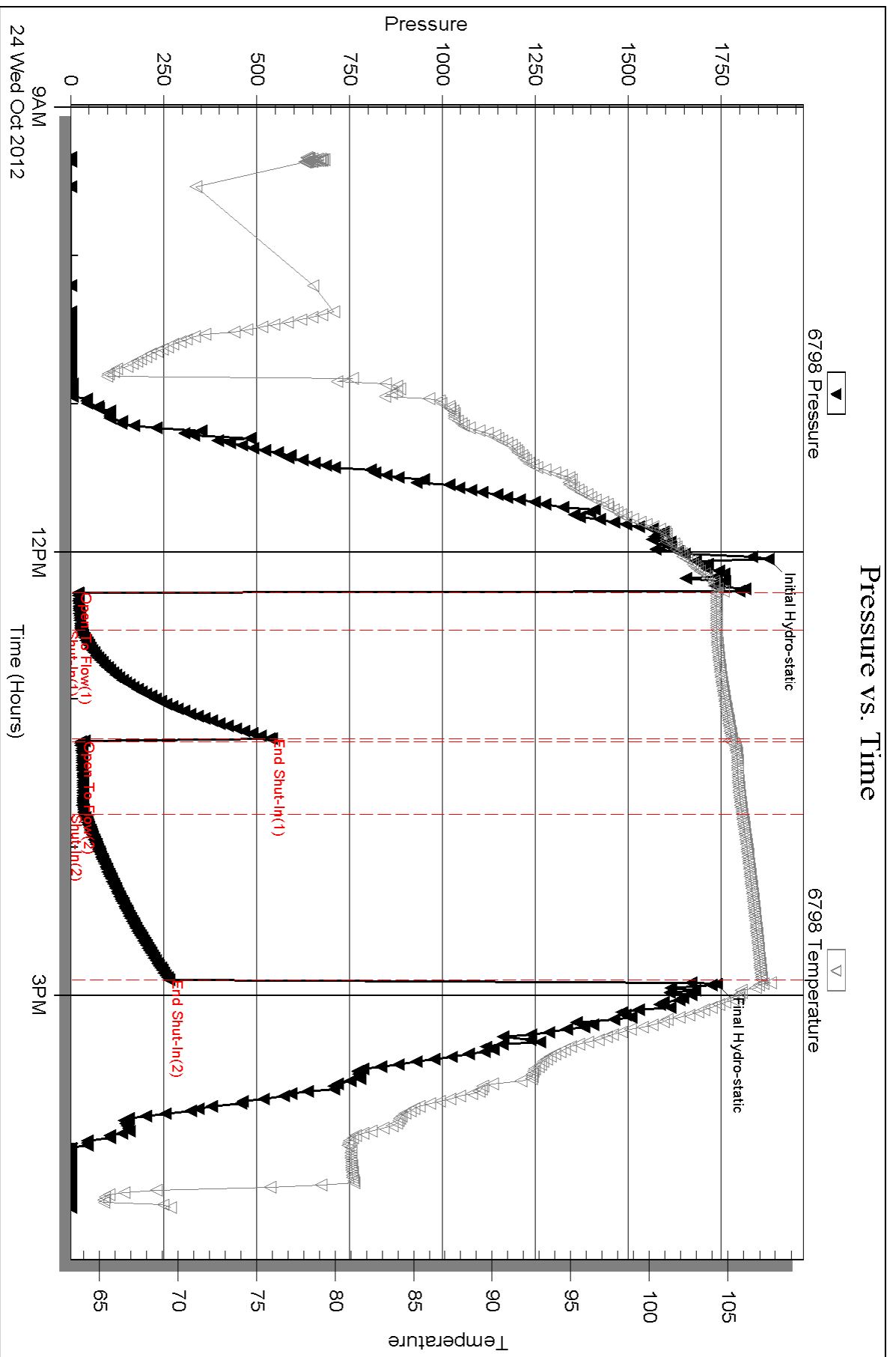
Length ft	Description	Volume bbl
0.00	40 GIP	0.000
20.00	SGCM 2&G 98%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

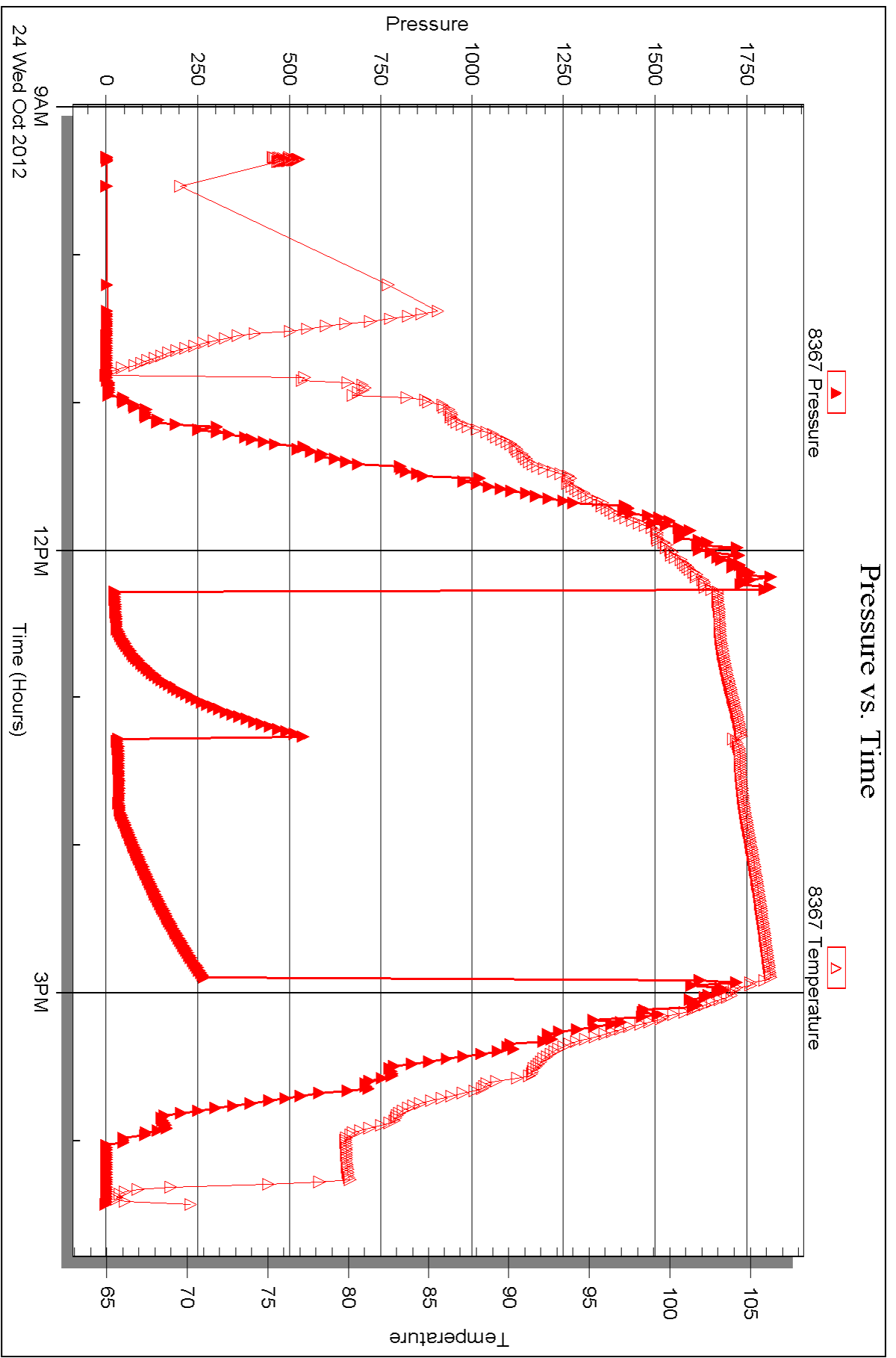


Serial #: 8367

Outside Herrman L Loeb LLC

Musselman #4-34

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49693

Printed: 2012.10.26 @ 09:52:17



DRILL STEM TEST REPORT

Prepared For: **Herman L Loeb LLC**

PO Box 838
Lawrenceville, IL 62439

ATTN: Jon Christensen

Musselman #4-34

34-21s-16w Pawnee,KS

Start Date: 2012.10.25 @ 23:30:15

End Date: 2012.10.26 @ 07:35:00

Job Ticket #: 49694 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.26 @ 09:50:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

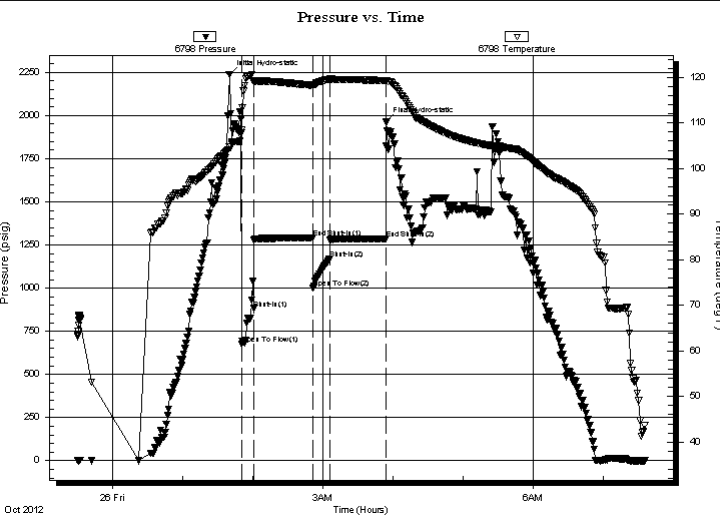
34-21s-16w Pawnee, KS
Musselman #4-34
 Job Ticket: 49694 **DST#: 2**
 Test Start: 2012.10.25 @ 23:30:15

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 01:50:30 Tester: Leal Cason
 Time Test Ended: 07:35:00 Unit No: 45
 Interval: **3866.00 ft (KB) To 3879.00 ft (KB) (TVD)** Reference Elevations: 1997.00 ft (KB)
 Total Depth: 3879.00 ft (KB) (TVD) 1986.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 6798 Inside
 Press @ Run Depth: 1168.50 psig @ 3867.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.25 End Date: 2012.10.26 Last Calib.: 2012.10.26
 Start Time: 23:30:16 End Time: 07:35:00 Time On Btm: 2012.10.26 @ 01:40:00
 Time Off Btm: 2012.10.26 @ 03:54:15

TEST COMMENT: IF: Strong Blow , BOB in 15 seconds
 IS: BOB Blow Back in 10 minutes, GTS in 29 minutes
 FF: Strong Blow , BOB & GTS in 10 seconds, TSTM Caught Sample
 FS: Would Not Bleed Off



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.27	104.72	Initial Hydro-static
11	677.22	108.45	Open To Flow (1)
21	881.47	119.02	Shut-In(1)
71	1290.11	118.27	End Shut-In(1)
72	1002.08	118.16	Open To Flow (2)
86	1168.50	119.60	Shut-In(2)
134	1287.36	119.31	End Shut-In(2)
135	1962.17	119.35	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	1495 GIP	0.00
2356.00	Gassy Oil 30%G 70%O	31.09

* 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

34-21s-16w Pawnee, KS
Musselman #4-34
 Job Ticket: 49694 **DST#: 2**
 Test Start: 2012.10.25 @ 23:30:15

Tool Information

Drill Pipe:	Length: 3636.00 ft	Diameter: 3.80 inches	Volume: 51.00 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 52.06 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3866.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Dropped Bar, Reversed Out

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

Shut In Tool	5.00			3849.00	
Hydraulic tool	5.00			3854.00	
Safety Joint	2.00			3856.00	
Packer	5.00			3861.00	22.00 Bottom Of Top Packer
Packer	5.00			3866.00	
Stubb	1.00			3867.00	
Recorder	0.00	6798	Inside	3867.00	
Recorder	0.00	8367	Outside	3867.00	
Perforations	9.00			3876.00	
Bullnose	3.00			3879.00	13.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

34-21s-16w Pawnee,KS
Musselman #4-34
 Job Ticket: 49694 **DST#: 2**
 Test Start: 2012.10.25 @ 23:30:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 49 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8300.00 ppm		
Filter Cake: 0.02 inches		

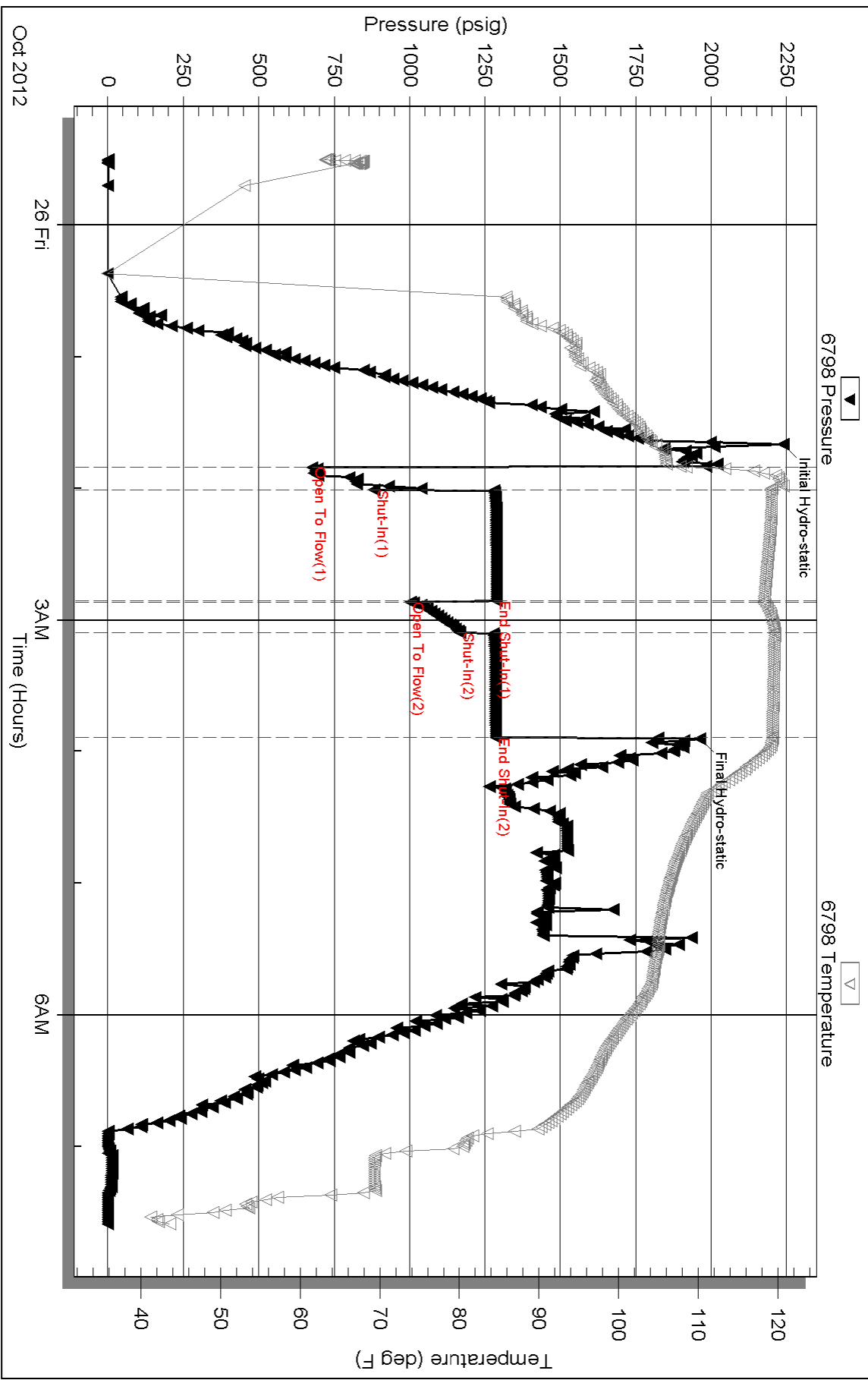
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1495 GIP	0.000
2356.00	Gassy Oil 30%G 70%O	31.090

Total Length: 2356.00 ft Total Volume: 31.090 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Gravity w as 44.8 @ 38 degrees

Pressure vs. Time



Serial #: 8367

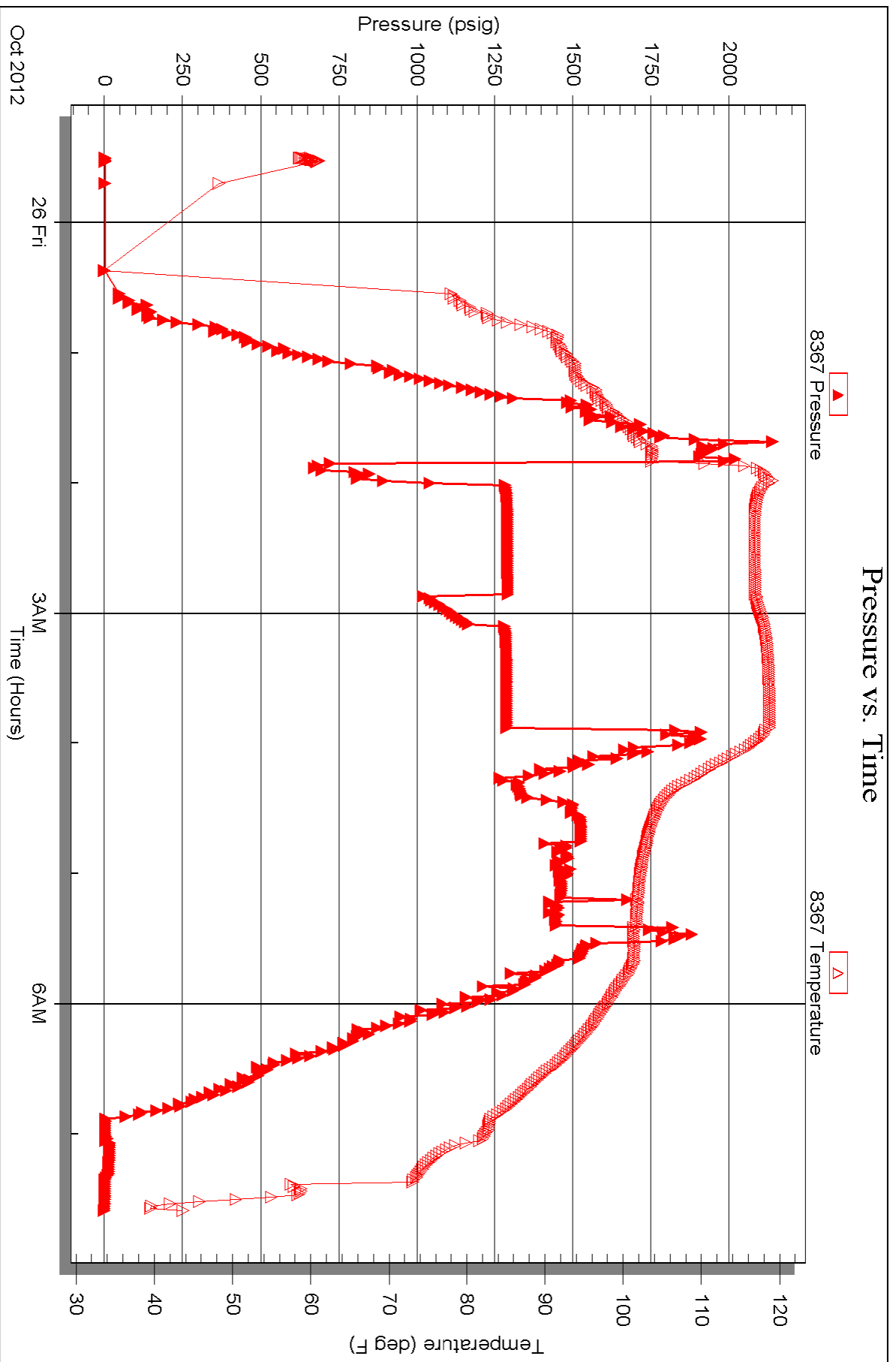
Outside

Herrman L Loeb LLC

Musselman #4-34

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49693

4/10

Well Name & No. Musselman 4-34 Test No. 1 Date 10/24/12
 Company Herman L Loeb, LLC Elevation 1997 KB 1986 GL
 Address PO Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jon Christensen Rig Sterling 2
 Location: Sec. 34 Twp. 21S Rge. 16W Co. Pawnee State KS

Interval Tested 3515 - 3551 Zone Tested Lansing "A+B"
 Anchor Length 36 Drill Pipe Run 3283 Mud Wt. 8.8
 Top Packer Depth 3570 Drill Collars Run 215 Vis 51
 Bottom Packer Depth 3515 Wt. Pipe Run 0 WL 10.4
 Total Depth 3551 Chlorides 8500 ppm System LCM

Blow Description IF: weak 1/2 inch Blow
ISI: NO Blow Back
FF: Weak Blow Built to 4 inches
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>GIP</u>				
<u>20</u>	<u>SGCM</u>	<u>2</u>			<u>98</u>

Rec Total 20 BHT 107 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>1877</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>08:00</u>
(B) First Initial Flow <u>20</u>	<input type="checkbox"/> Jars	T-Started <u>09:20</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:16</u>
(D) Initial Shut-In <u>540</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>14:53</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:26</u>
(F) Second Final Flow <u>36</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> 186	Comments
(G) Final Shut-In <u>264</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1738</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>30</u>	<input type="checkbox"/> Day Standby	Total <u>1411</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1411</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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49694

Well Name & No. Musselman 4-34 Test No. 2 Date 10/25/12
 Company Herman L Loeb, LLC Elevation 1997 KB 1986 GL
 Address PO BOX 838 Lawrenceville, IL 62439
 Co. Rep / Geo. Jon Christensen Rig Sterling 2
 Location: Sec. 34 Twp. 21 S Rge. 16 W Co. Pawnee State KS

Interval Tested 3866 - 3879 Zone Tested Arbuckle
 Anchor Length 13 Drill Pipe Run 3636 Mud Wt. 9.4
 Top Packer Depth 3861 Drill Collars Run 215 Vis 56
 Bottom Packer Depth 3866 Wt. Pipe Run 0 WL 9.6
 Total Depth 3879 Chlorides 8300 ppm System LCM 1

Blow Description IF: strong Blow, BOB in 15 seconds
ISI: BOB Blow Back in 10 minutes, GTS in 29 minutes
FF: strong Blow, BOB + GTS in 10 seconds, TSTM, caught sample
FSI: would not bleed off

Rec	Feet of	%gas	%oil	%water	%mud
<u>1495</u>	<u>Feet of GIP</u>				
<u>2356</u>	<u>Feet of Gassy oil</u>	<u>30</u>	<u>70</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2356 BHT 119 Gravity 49 API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic <u>2238</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>22:45</u>
(B) First Initial Flow <u>677</u>	<input type="checkbox"/> Jars	T-Started <u>23:30</u>
(C) First Final Flow <u>881</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>01:50</u>
(D) Initial Shut-In <u>1290</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>03:53</u>
(E) Second Initial Flow <u>1002</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:35</u>
(F) Second Final Flow <u>1168</u>	<input checked="" type="checkbox"/> Mileage <u>(120)</u> 186	Comments
(G) Final Shut-In <u>1287</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1962</u>	<input type="checkbox"/> Straddle	

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

Sub Total 1411

Approved By [Signature] Our Representative [Signature]

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