



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199210
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

1199210

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

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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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

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	RANDEL 1-19
Doc ID	1199210

Tops

Name	Top	Datum
Chase	2444	-238
Heebner Shale	4040	-1834
Toronto	4056	-1850
Lansing 'A'	4198	-1992
Lansing/KC 'H'	4360	-2154
Kansas City 'I'	4413	-2207
Base Kansas City	4580	-2374
Marmaton	4625	-2419
Pawnee	4672	-2466
Cherokee Shale	4710	-2504
Mississippi Chert	4767	-2561
Basal Miss Lmst	4824	-2618
Kinderhook Shale	4845	-2639
Kinderhook Sand	4876	-2670

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Randel #1-19
Location: 985' FNL & 1660' FEL, Sec. 19-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21786-0000 Region: Einsel North
Spud Date: 2/28/2014 Drilling Completed: 3/6/2014
Surface Coordinates: 985' FNL & 1660' FEL, Sec. 19-T27S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2193' K.B. Elevation (ft): 2206'
Logged Interval (ft): 3900' To: 4920' Total Depth (ft): 4920'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 2976'; Chemical Gel 2976' to 4920'

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(Mississippi Chert) 4736' -4793' Test Times 15"-45"-60"-120" IFP Strong Blow BOB/6", FFP Gas to Surface in 41"(Burns brite yellow flame) Max. 17# on 0.375" Choke = 115 MCFG in 60" of FFP - Still building; REC: 4366' Gas in Pipe, 124' GCM(15%G, 85%M), 62' GCMW(10%G, 30%M, 60%W), 174' SW, CI 85,000, Mud 3000; IFP 33-90#, ISIP 1489#, FFP 69-166#, FSIP 1490#, IHP 2610#, FHP 2376#, BHT 127 Deg. F.

Comments

2/28/14 MIRU Sterling Drilling Rig #5 Spud at 6:45 PM; 3/1/14 TD. 608' - CTCH to set 8 5/8" Surface Casing; 3/2/14 Drilling at 1192'; 3/3/14 Drilling at 2900'; 3/4/14 TD. 4219' - CFS; 3/5/14 TD. 4793' - CFS; 3/6/14 RTD. 4920' at 1:40 AM. - Rigging up for Logging(Halliburton); 3/7/14 RTD. 4920'/LTD. 4921' - Circulating 5 1/2" Production Casing.

Set new 8 5/8"(23#) Surface Casing at 605' with 350 sacks of cement(Basic Energy Services). Cement did Circulate. PD. 10:15 AM. 3/1/14.

Set new 5 1/2" (15.5#) Production Casing at 4911' with 200 sacks of "Loeb Blend" cement(Basic Energy Services). PD. 7:45 AM. 3/7/14.


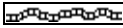
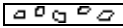










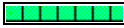

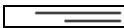
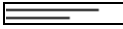



Surveys: 0.25 Deg. at 608'(Surface Casing); 1.0 Deg. at 4793'(DST #1); 0.50 Deg. at 4920' RTD.

Pipe Strap at 4793'(DST #1): Strap 0.14' Long to the Board, no correction made to the Board.








































































After review of the Halliburton 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 Mississippi Chert.

LOG TOPS: Chase 2444(-238), Stotler Lmst. 3398(-1192), Howard 3600(-1394), Queen Hill Shale 3906(-1700), Heebner Shale 4040(-1834), Toronto 4056(-1850), Brown Lmst. 4190(-1984), Lansing 'A' 4198(-1992), Lansing/KC 'H' 4360(-2154), KC 'I' 4413(-2207), Stark Shale 4498(-2292), Hertha 4546(-2340), Base Kansas City 4580(-2374), Marmaton 4625(-2419), Pawnee 4672(-2466), Cherokee Shale 4710(-2504), Miss. Chert 4767(-2561), Basal Miss. Lmst. 4824(-2618), Kinderhook Shale 4845(-2639), Kinderhook Sand 4876(-2670).

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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MudCo. Mud
Check at 4220'
Vis 54 Wt. 9.4
WL 9.0 Cl 5000
PH 11.5 LCM 0#

WOB 13-14K
PP 1000#
SPM 68-69
RPM 80-90

A.V.= 168.00
at 69 SPM

conn
Vis 48
Wt. 9.4
LCM 0#

WOB 14K
PP 1000#
SPM 69
RPM 80-85

Vis 58
Wt. 9.4
LCM 0#

ROP (min/ft)
Gamma (API)

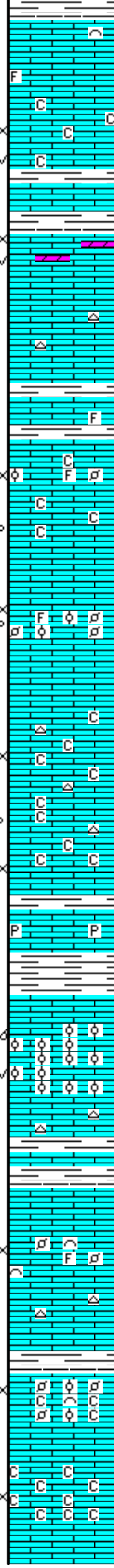
CFS. at 4422'
WOB 14-16K
PP 1000#
SPM 66
RPM 80-85

4250

4300

4350

4400



LANSING 'B' 4223(-2017)

LM; tan to lt brn, hd, rare foss, blocky, tite

LM; off wh, lt gy, fxln w/scat vug por, minor chalky mtx, lt yel min fluor, no vis stn, no odor, ns.

LM; tan to lt brn, fxln w/occ sucrosic test - partly dolomitic, fair interxln w/occ vug por, lt yel fluor, no stn or odor, ns.

LM; med brn, hd, blocky, scat pyr, rare gy cht

SH; grn, gy grn, platy

LM; tan to lt brn, foss ip, fair interpart por, minor chalky mtx, lt to dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, foss w/scat pellets - ooids, scat interpart w/occ p-p por, dull yel to no fluor, no stn or odor, ns.

LM; off wh, buff, tan, fxln w/scat fair interxln w/p-p por, chalky - soft ip, occ wh/off wh foss cht, dull yel min fluor, no stn or odor, ns.

LM; wh, off wh, med to cse xln, abnt spar calc, chalky ip, fair interxln por, no fluor, ns.

SH; med gy, trc dk gy - blk, platy

LANSING/KC. 'H' 4360(-2154)

LM; tan to lt brn, oolitic, med to occ lrg molds, v. gd oomoldic por, rare vug por, brittle ip, med yel min fluor, no stn or odor, no gas kick, ns.

LM; lt to med brn, hd, blocky, scat gy cht

SH; med gy, gy grn, platy

LM; tan to lt brn, foss - finely pelletal, scat foss hash, poor interpart por, dull yel min fluor, no stn or odor, interbdd off wh/gy cht, ns.

KANSAS CITY 'I' 4413(-2207)

LM; wh, off wh, highly foss w/ooids and pellets, occ foss hash, fair interpart por, scat chalk and chalky mtx, trc lt brn oil stn, no odor,

LM; off wh, wh, fxln w/much soft chalk and chalky mtx, trc poor interxln por, no fluor, no stn or odor, ns.

Gas Test at
Extractor

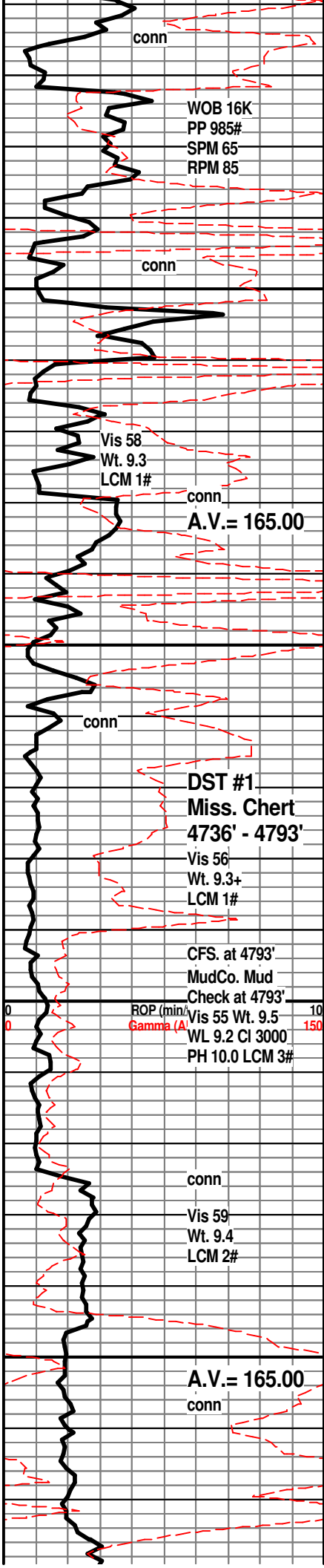
C1
C2
C4
TG

Replace
Chromatograph
Filament -
Calibrate HW also

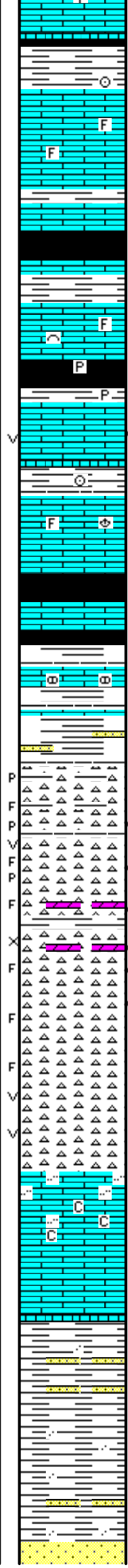
0.5 5 15 50 500

10 Unit Incr.

5 Unit Incr.



4700
4750
4800
4850



SH; med to dk gy, trc blk, platy
PAWNEE 4672(-2466)

LM; tan to buff, off wh, fxln w/rare foss mat, hd, no vis por, no fluor, ns.

SH; blk, gassy w/gas odor, carb

LM; off wh, tan, v. hd, blocky, rare foss mat - well cem, spotty lt yel min fluor, odor, trc blk tar/dead oil stn

CHEROKEE SHALE 4710(-2504)

SH; blk, dk gy, platy, pyr ip.
LM; off wh, lt to med brn, few pcs w/vug por, dk brn hvy oil stn, spotty lt yel fluor, no live oil, scat dk brn/blk residual oil

15 Stand Wiper Trip at 4729'

LM; tan to lt brn, foss ip, hd, blocky, no vis por, v. dull yel min fluor, no stn or odor, ns.

SH; med gy, trc blk, platy

LM; lt gy, lt gy brn, fxln, most dense, blocky, dull yel fluor, no vis stn, no gas kick

SH; varic, some nodular rnd lmst

LM; lt to med brn, dense, blocky, nodular ip.

SH; varic, platy to flakey, trc vf gr qtz ss

MISSISSIPPI CHERT 4767(-2561)

CHT; wh, off wh, fresh and trip, much blk tar/dead oil stn, fair gas odor, fracs w/fair p-p por, some lt brn spotted live stn, gas bubbles, grn silty sh interbdd w/cht

CHT; wh, off wh, some org/brn, fresh and trip, fracs w/edge stn, p-p and small vug por, fair gassy odor, spotted/even brite yel fluor, SSFO, gas bubbles, interbdd sucrosic dolomite w/fair med yel fluor, gd cut on select pcs, few pcs of oil saturated cht w/gd p-p por

DST #1(Miss. Chert) 4736' - 4793'

CHT; wh, most fresh - sharp, scat fracs, occ spotted lt brn edge stn, decr. show, v. faint odor, rare med yel fluor

CHT; wh, off wh, fresh, few fracs w/occ vug por, no stn, no odor, no fluor

LM; rust red, red brn, off wh, oxidized, occ cse xln, minor chalky mtx, interbdd red/brn silty to gritty lmst, no vis por, no fluor, ns.

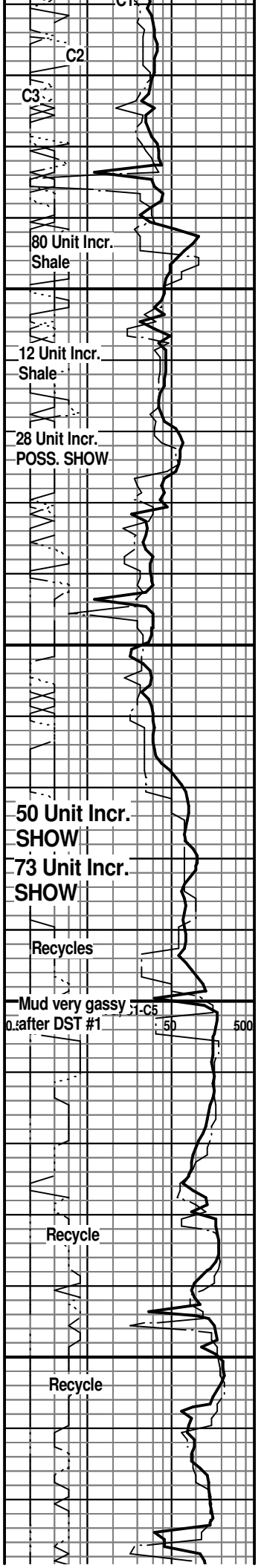
LM; red brn, rare pink, off wh, bcm more massive bdd, micritic, tite

KINDERHOOK SHALE 4845(-2639)

SH; med gy grn, platy, interbdd vf gr qtz ss strngs

SH; med gy, gy grn, sand ip w/rare interbdd vf gr ss strngs

KINDERHOOK SAND 4876(-2670)



WOB 14-15K
conn - PP 975#
SPM 65
RPM 85
Vis 57
Wt. 9.4
LCM 2#

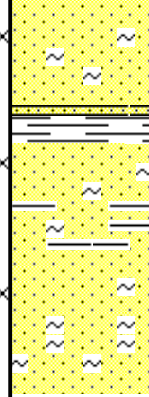
CFS. at 4920' RTD.

MudCo. Mud
Check at 4920'
Vis 64 Wt. 9.4
WL 9.2 Cl 4000
PH 10.5 LCM 2#

4900

4950

00



SS; clr to wh, pale grn tint, most f gr qtz, clusters, fri ip w/fair intergran por, scat grn glau/chlor, no fluor, no vis stn, no odor, no cut

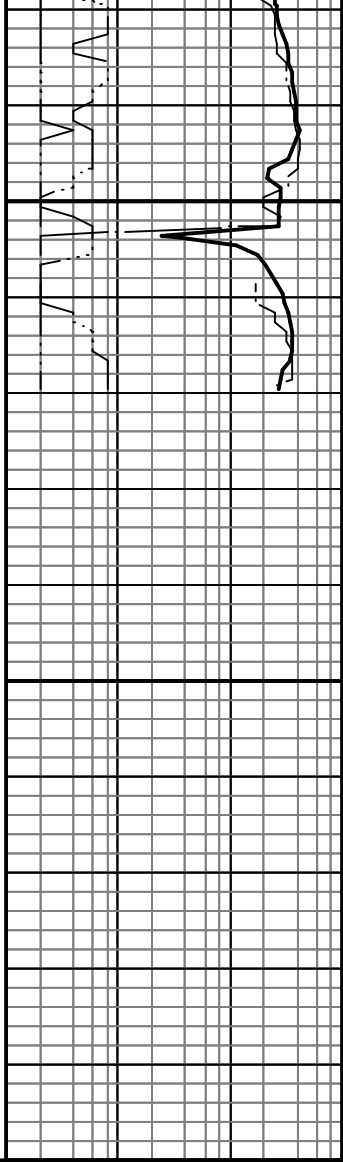
SS; clr, wh, lt gy, f gr qtz, clusters, some well cem - partly qtzitic, glau/chlor, well srt, argil ip, no vis stn, no fluor, barren, ns.

SS; wh, clr, lt gy, f gr qtz, clusters, abnt grn glau/chlor, some chalky mat, no fluor, ns.

RTD. 4920' at 1:40 AM. 3/6/14

LTD. 4921'

Halliburton "Triple Combo" including ACRT(DIL), NEU/DEN w/PE, Microlog, MRIL





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

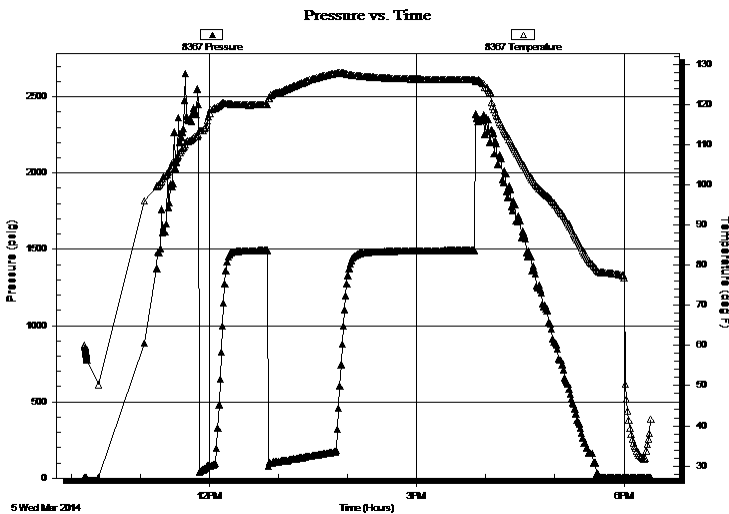
19-27S-18W Kiowa
Randel 1-19
Job Ticket: 51962 **DST#: 1**
Test Start: 2014.03.05 @ 10:11:26

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:50:41
Time Test Ended: 18:23:11
Interval: **4736.00 ft (KB) To 4793.00 ft (KB) (TVD)**
Total Depth: 4793.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74
Reference Elevations: 2206.00 ft (KB)
2193.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8367 Outside
Press @ Run Depth: psig @ 4737.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.05 End Date: 2014.03.05 Last Calib.: 2014.03.05
Start Time: 10:11:27 End Time: 18:23:11 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 6 minutes
IS: Weak Surface Blow Back
FF: Strong Blow , BOB in 10 seconds, GTS in 41 minutes, Gauged & Caught Sample
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4366 GIP	0.00
174.00	Water	0.86
62.00	GMCW 10%G 30%M 60%W	0.30
124.00	GCM 15%G 85%M	1.17

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	13.00	100.37
Last Gas Rate	0.38	17.00	115.03
Max. Gas Rate	0.38	17.00	115.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

19-27S-18W Kiowa
Randel 1-19
Job Ticket: 51962 **DST#: 1**
Test Start: 2014.03.05 @ 10:11:26

Mud and Cushion Information

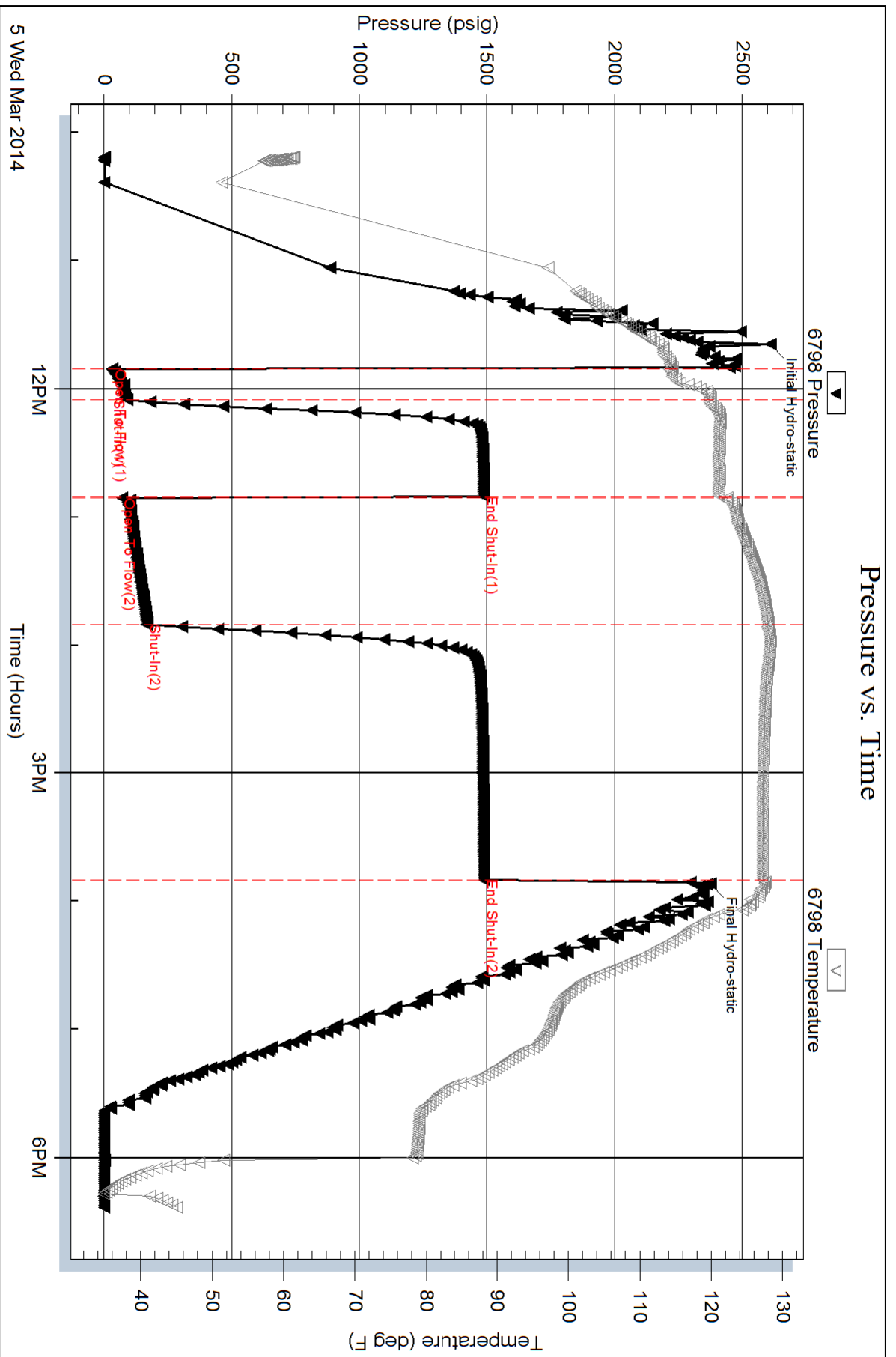
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	85000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.02 inches			

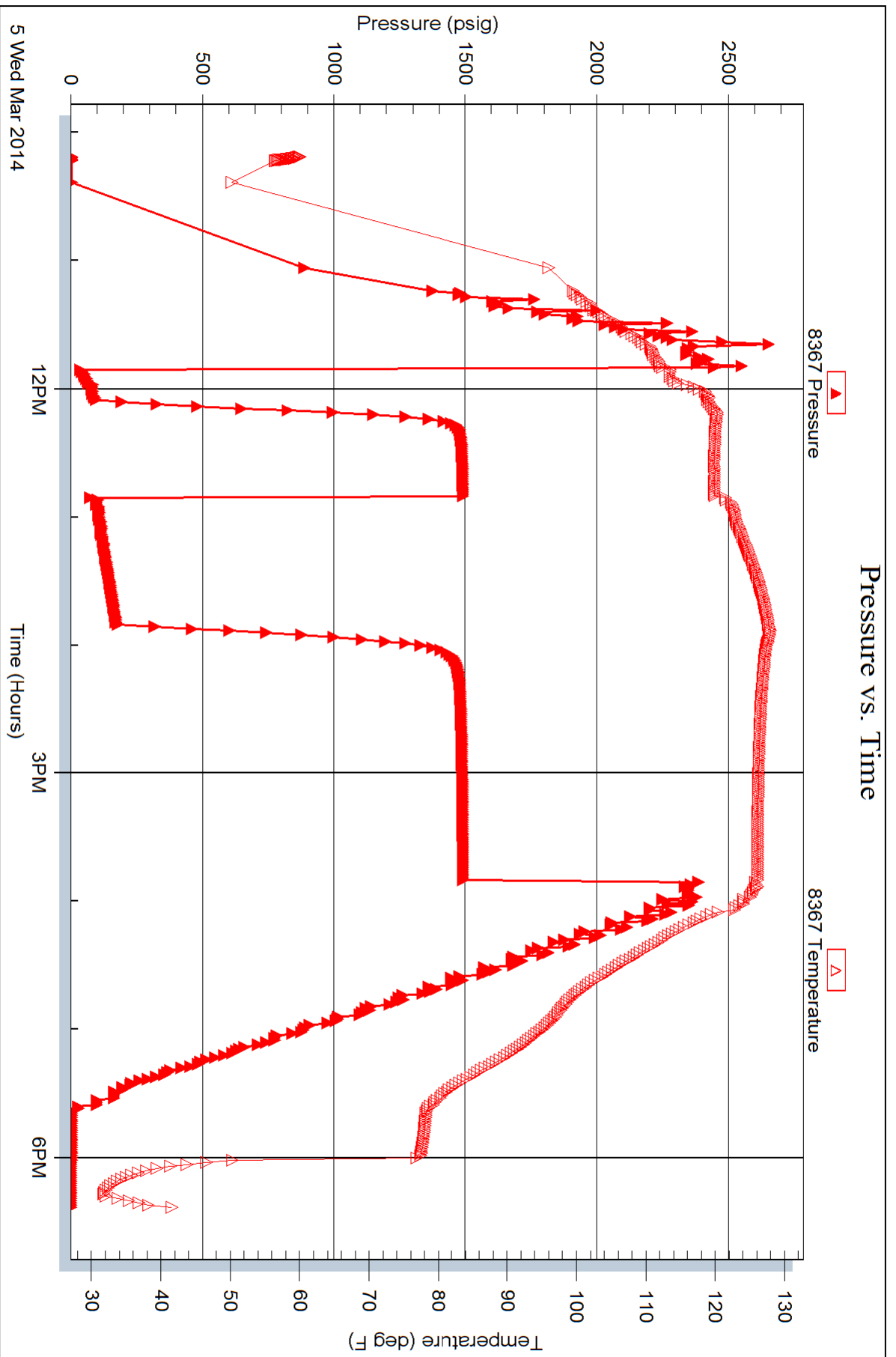
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4366 GIP	0.000
174.00	Water	0.856
62.00	GMCW 10%G 30%M 60%W	0.305
124.00	GCM 15%G 85%M	1.175

Total Length: 360.00 ft Total Volume: 2.336 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW was .15 @ 43 degrees







6076
79 Randel
6420

PAGE 1 of 1	QNT NO 1007589	INVOICE DATE 03/06/2014
INVOICE NUMBER 1718 - 91431197		

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 Randel 1-19
O LOCATION
B COUNTY Kiowa
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40698840	19905		Net - 30 days	04/05/2014

For Service Dates: 03/01/2014 to 03/01/2014

0040698840

171810133A Cement-New Well Casing/Pi 03/01/2014
Cement 8 5/8" Surface

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A-Con Blend Common	175.00	EA	12.96	2,268.00 T
Common Cement	175.00	EA	11.52	2,016.00 T
Celloflake	88.00	EA	2.66	234.43 T
Calcium Chloride	825.00	EA	0.76	623.70 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	162.00	162.00
"8 5/8"" Guide Shoe (Red)"	1.00	EA	396.00	396.00
Flapper Type Insert Float Valves, 8 5/8"	1.00	EA	201.60	201.60
"Unit Mileage Chg (PU, cars one way)"	40.00	MI	3.06	122.40
Heavy Equipment Mileage	80.00	MI	5.04	403.20
"Proppant & Bulk Del. Chgs., per ton mil	660.00	EA	1.58	1,045.44
Depth Charge; 501'-1000'	1.00	EA	864.00	864.00
Blending & Mixing Service Charge	350.00	BAG	1.01	352.80
Plug Container Util. Chg.	1.00	EA	180.00	180.00
"Service Supervisor, first 3 hrs on loc.	1.00	EA	126.00	126.00

PAID
48021
MAR 13 2014
SCANNED

PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102	SUB TOTAL	8,995.57
		TAX	367.66
		INVOICE TOTAL	9,363.23



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 10133 A

19-275-18W

DATE _____ TICKET NO. _____

DATE OF JOB: 3-1-14	DISTRICT: Pratt, 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: Randel	WELL NO.: 1-19								
ADDRESS:	COUNTY: Kiowa	STATE: Kansas								
CITY:	STATE:	SERVICE CREW: C. Messick, M. McGraw, D. Phye								
AUTHORIZED BY:	JOB TYPE: C.N.W. - Surface									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37,216	1.25						3-1-14			4:50
						ARRIVED AT JOB				7:45
77,686-19,905	1.25					START OPERATION				9:30
						FINISH OPERATION				10:45
70,959-19,918	1.25					RELEASED	3-1-14			11:00
						MILES FROM STATION TO WELL				40

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: Alan Rafter
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P CP101	A CON Blend Cement	sk	175	\$	3,150.00
P CP100c	Common Cement	sk	175	\$	2,800.00
P CC102	Cellflake	Lb	88	\$	325.60
P CC109	Calcium Chloride	Lb	825	\$	866.25
P CF105	Top Rubber Plug, 8 5/8"	eu	1	\$	225.00
P CF203	Guide Shoe, 8 5/8" (Red)	ea	1	\$	550.00
P C41453	Insert Float Valve, 8 5/8"	ea	1	\$	280.00
P E100	Pickup Mileage	mi	40	\$	170.00
P E101	Heavy Equipment Mileage	mi	80	\$	560.00
P E113	Bulk Delivery	tm	660	\$	1,452.00
P CE201	Cement Pump: 501 Feet To 1,000 Feet	hrs	4	\$	1,200.00
P CE240	Blending and Mixing Service	sk	350	\$	490.00
P CE504	Plug Container	Job	1	\$	250.00
P 5003	Service Supervisor	hrs	8	\$	175.00

SUB TOTAL
\$ 8,995.57

CHEMICAL / ACID DATA:			

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

TOTAL

SERVICE REPRESENTATIVE: R. Messick THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Alan Rafter

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer Herman L. Loeb, LLC	Lease No.	Date 3-1-14	
Lease Randel	Well # 1-19		
Field Order # 10,133	Station Pratt, Kansas	Casing 8 5/8" 23Lb.	Depth 607 Feet
Type Job C.N.W. - Surface	Formation	County Iowa	State Kansas
		Legal Description 19-275-18W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8" 23Lb.	Tubing Size 6 1/2"	Shots/Ft 175	sacks A-cement	Acid Pre Pad	Cement with 3%	RATE 2.4	PRESS 7 CU. FT./SK.	ISIP 25 Lb./st. cellflatre
Depth 607 Feet	Depth	From	To 12 Lb./Gal.	Pre Pad	14.49 Gal.	Max		5 Min.
Volume 38.8 Bbl.	Volume	From	To	Pre Pad		Min		10 Min.
Max Press 500 P.S.I.	Max Press	From	To	Pre Pad		Avg		15 Min.
Well Connection Plug Container	Annulus Vol.	From	To 15.6 Lb./Gal.	Pre Pad	5.23 Gal.	HHP Used	1.20 CU. FT./SK.	Annulus Pressure
Plug Depth 56 Feet	Packer Depth	From	To	Flush	36.3 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Allen	Station Manager Kevin Gordley	Treater Clarence R. Messicht
----------------------------------	----------------------------------	---------------------------------

Service Units	37,216	77,686	19,905	70,959	19,918				
Driver Names	Messicht	Mc Graw	Phye						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:45					Trucks on location and hold safety meeting.
8:10					Sterling Drilling start to run Cement lined Guide Shoe, Shoe Joint with Auto Fill Insert screwed into collar and a total of 14 Joints Limited Service 23Lb./Ft. 8 5/8" casing.
9:20					Casing in well. Circulate for 5 minutes.
9:30	300			5	Start Fresh water Pre-Flush.
	300		10	6	Start mixing 175 sacks A-cement.
	200		87	5	Start mixing 175 sacks common cement.
	-0-		124		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
9:58	175			5	Start Fresh water Displacement.
10:10	500		36.3		Plug down. Circulated 10 Bbl. cement to the pit. Open release. Insert hold.
					Wash up pump truck.
10:45					Job Complete. Thank You. Clarence, Milte, Dale //



6076
Pratt Randel
6438

PAGE	CUST NO	INVOICE DATE
1 of 1	1007589	03/11/2014
INVOICE NUMBER		
1718 - 91434569		

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 Randel 1-19
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40700164	27463		Net - 30 days	04/10/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 03/07/2014 to 03/07/2014				
0040700164				
171809804A Cement-New Well Casing/Pi 03/07/2014 Cement 5 1/2" Longstring				
50/50 POZ	250.00	EA	8.36	2,090.00 T
Celloflake	63.00	EA	2.81	177.16 T
Gypsum	1,050.00	EA	0.57	598.50 T
FLA-322	105.00	EA	5.70	598.50 T
Gilsonite	1,501.00	EA	0.51	764.31 T
KCL, Potassium Chloride	566.00	EA	1.14	645.24 T
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	304.00	304.00
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	273.60	273.60
"5 1/2" Basket (Blue)"	2.00	EA	220.40	440.80
"Turbolizer, 5 1/2" (Blue)"	12.00	EA	83.60	1,003.20
"Cement Scratchers Cable Type, 5 1/2" "	6.00	EA	57.00	342.00
Claymax KCL Substitute	5.00	EA	26.60	133.00 T
Mud Flush	1,000.00	EA	1.14	1,140.00 T
"Unit Mileage Chg (PU, cars one way)"	40.00	MI	3.23	129.20
Heavy Equipment Mileage	80.00	MI	5.32	425.60
"Proppant & Bulk Del. Chgs., per ton mil	420.00	EA	1.67	702.24
Depth Charge; 4001'-5000'	1.00	EA	1,915.20	1,915.20
Blending & Mixing Service Charge	250.00	BAG	1.06	266.00
Plug Container Util. Chg.	1.00	EA	190.00	190.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	133.00	133.00

PAID
42177
MAR 20 2014
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	12,271.55
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	439.49
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	12,711.04
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

0046700104
FIELD SERVICE TICKET

1718 09804 A

DATE _____ TICKET NO. _____

DATE OF JOB 3-7-14 DISTRICT Pratt		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 Lueb LLC		LEASE RAND-1 WELL NO. 1-19							
ADDRESS		COUNTY Kiowa STATE Ks							
CITY STATE		SERVICE CREW MATTAI Kyevin Handy							
AUTHORIZED BY		JOB TYPE: CAN Long String							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
37586	1						3-6-14		8:30
						ARRIVED AT JOB	3-7-14		12:45
27463	1					START OPERATION			7:10
						FINISH OPERATION			8:00
19831/19862	1					RELEASED			9:00
						MILES FROM STATION TO WELL			40

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP104	50/50 P02	SK	200		2,200 00
CP104	50/50 P02	SK	50		550 00
CC102	Cellofibre	LB	63		233 10
CC113	GYPSUM	LB	1050		787 50
CC129	FIA-322	LB	105		787 50
CC201	GILSONITE	LB	1501		1,005 67
C700	KCL POTASSIUM CHLORIDE	LB	566		849 00
CF607	LATCH DOWN PLUG + DAPPER 5 1/2	EA	1		400 00
CF1251	AUTO FILL FLOAT SHOR 5 1/2	EA	1		360 00
CF1901					
CF1901	BASKET 5 1/2	EA	2		580 00
CF1651	TUBING 5 1/2	EA	12		1,320 00
CF2001	CAT SCATURER CABLE TYPE 5 1/2	EA	6		450 00
C704	CLAYMAY KCL SUB	GA1	5		175 00
CC151	MUD FILTS	GA1	1000		1,500 00

SUB TOTAL

KG

CHEMICAL / ACID DATA:			

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

TOTAL

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

FIELD SERVICE ORDER NO.

Customer Heiman 1006 11C	Lease No.	Date 3-7-14
Lease RANDEL	Well # 1-19	
Field Order # 9804	Station Pratt	Casing 5 1/2
		Depth 4918
Type Job C/W 1019 String	Formation	County Kiowa
		State KS
		Legal Description 19-27-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2	Tubing Size	Shots/Ft		Acid 250 SWS 50/50 POZ	RATE	PRESS	ISIP	
Depth 4918	Depth	From	To	Pre Pad 590 F-143	Max 590 KCL 6#		5 Min.	
Volume 117	Volume	From	To	Pad	Min		10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PE	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 4896.53	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative MICHAEL POLLEY	Station Manager KEVIN GOLDIEY	Treater MIKE MATTAR
Service Units 37986	27463	1983 19862
Driver Names MATTAR	KUENIN	HARMBY

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:45					ON LOCATION / SARNEX MEETING
2:40					RUN 5 1/2 CASING, BASKET ON
					TURBOS ON 1, 2, 3, 4, 8, 12, 16, 20,
					24, 28, 32, 36
					Recip. Scrabbers, 2 on JT 2 4 on JT 3
4:00					CIRCULATE @ 60 JTS FOR 30 MIN
5:50					CSNG ON BOTTOM
6:05					HAVE UP TO CSNG / BREAK CIRC W RIG
7:10	400		5	5	PUMP 5 BBL H2O
7:13	400		24	5	PUMP 24 BBL MUD FLUSH
7:14	400		5	5	PUMP 5 BBL H2O
7:15	400		48	5	MIX 200 SWS 50/50 POZ
7:27			4	3	WASH PUMP + LINE, RELEASE PLUG
7:29	200			6	START 2% KCL DISPLACEMENT
7:45	300		80	5.5	LIKE PRESSURE
7:50	600		105	4	SLOW RATE
7:52	900/1400		116		PLUG DOWN PSI TO 1400 RELEASED + HOLD
8:00			7, 5	2	PLUG RAT HOLE + MUD HOLE
					CIRCULATE THEN JOB JOB COMPLETE
					THANK YOU!
					MIKE MATTAR