



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1227433  
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: \_\_\_\_\_

1227433

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	KINYON 2-33
Doc ID	1227433

Tops

Name	Top	Datum
Chase	2242	-237
Heebner Shale	4040	-1835
Lansing 'A'	4202	-1997
Lansing/KC 'H'	4363	-2158
K.C. 'I'	4410	-2205
Hertha	4560	-2355
Base K.C.	4590	-2385
Cherokee Shale	4719	-2514
Reworked Miss.	4766	-2561
Clean Miss Chert	4789	-2583
Kinderhook Shale	4822	-2617



# LITHOLOGY STRIP LOG

## WellSight Systems

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

Well Name: Kinyon #2-33  
Location: 2185' FSL & 2165' FEL, Sec. 33-T27S-R18W, Kiowa Co., KS.  
Licence Number: 15-097-21799-0000 Region: Einsel Field  
Spud Date: 7/14/2014 Drilling Completed: 7/21/2014  
Surface Coordinates: 2185' FSL & 2165' FEL, Sec. 33-T27S-R18W

Bottom Hole Same as Above  
Coordinates:  
Ground Elevation (ft): 2192' K.B. Elevation (ft): 2205'  
Logged Interval (ft): 3900' To: 4825' Total Depth (ft): 4825'  
Formation: Kinderhook at Total Depth  
Type of Drilling Fluid: Freshwater/Gel to 3326'; Chemical Gel 3326' to 4825'  
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') 4206' - 4222'(Corrected Depths) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/15 Sec., FFP Strong Blow BOB/15 Sec., no Gas to Surface, no Blowback on SI's; REC: 2125' Gas in Pipe, 30' G&OCMW(5%G, 2%O, 65%W, 28%M), CI 50,000, Mud 2000; IFP 19-17#, ISIP 968#, FFP 16-25#, FSIP 1038#, IHP 2081#, FHP 2039#, BHT 116 Deg. F.

DST #2(Cherokee Lmst.) 4744' - 4761'(Corrected Depths) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/3 Min., FFP Strong Blow BOB Immediately, no Gas to Surface, no Blowback on SI's; REC: 2590' Gas in Pipe, 5' Drlg. Mud w/few oil specks, no water; IFP 17-16#, ISIP 1371#, FFP 11-8#, FSIP 1227#, IHP 2442#, FHP 2394#, BHT 120 Deg. F.

DST #3(Miss. Chert) 4790' - 4807'(Corrected Depths) Test Times 15"-45"-45"-120" IFP Strong Blow BOB/Immed. Gas to Surface in 7 Min., FFP Gas to Surface throughout Gauged 449.3 MCFG(52# on 0.5" Choke) in 45 Min. of FFP, BOB Blowback in 35 Min. of FSI; REC: 450' Clean Gassy Oil(25%G, 75%O - 39 Deg. API), 120' GWMO(9%G, 80%O, 3%W, 8%M) CI 58,000, Mud 5200; IFP 245-212#, ISIP 1077#, FFP 226-249#, FSIP 1073#, IHP 2637#, FHP 2410#. BHT 122 Deg. F.

## Comments

7/14/14/ MIRU Sterling Drilling Rig #5, Spud at 8:45 PM.; 7/15/14 TD. 623' - CCH; 7/16/14 Drilling at 1300'; 7/17/14 Drilling at 3294'; 7/18/14 TD. 4222' - Make up Test tool for DST #1; 7/19/14 Drilling at 4485'; 7/20/14 TD. 4760' - DST #2; 7/21/14 TD. 4807' - Prep. to TIH after DST #3, reached Total Depth of 4825' at 10:30 AM.; 7/22/14 RTD. 4825', LTD. 4831' - LDDP for setting 5 1/2" Production Casing.

Set new 8 5/8"(23#) Surface Casing at 621' with 400 sx. of Cement(Basic Energy Services). Cement did Circulate. PD. at 11:30 AM. on 7/15/14.

Set new 5 1/2"(15.5#) Production Casing at 4823'(NOTE CORRECTED DEPTHS BY TUBING TALLY) with 200 sacks of "Loeb Blend" cement(Basic Energy Services). PD. at 5:45 PM. on 7/22/14.

Surveys: 2.0 Deg. at 623'(Surface Casing); 1.50 Deg. at 4222'(DST#1); 0.75 Deg. at 4760'(DST #2); 1.0 Deg. at 4825' RTD.


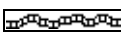
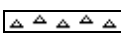
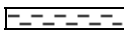







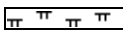

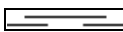
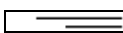
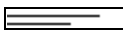



Pipe Strap at 4222'(DST #1): Strap 0.04' Short to the Board, no correction made to the Board.

After review of the Halliburton Logs, DST data and positive shows of commercial amounts of recoverable hydrocarbons, the operator elected to set new 5 1/2" Production Casing for completion in the Mississippi Chert.








































































NOTE: This log was shifted to match Drilling Depths after completion data. It was shifted upward from the Halliburton openhole logs by 4' to 6'.

LOG TOPS: Chase 2242(-237), Stotler Lmst. 3390(-1185), Howard 3590(-1385), Heebner Shale 4040(-1835), Toronto 4053(-1848), Brown Lmst. 4192(-1987), Lansing 'A' 4202(-1997), Lansing/KC 'H' 4363(-2158), K.C. 'I' 4410(-2205), Stark Shale 4498(-2293), Hertha 4560(-2355), Base Kansas City 4590(-2385), Marmaton 4640(-2435), Pawnee 4682(-2477), Cherokee Shale 4719(-2514), Reworked Miss. 4766(-2561), Clean Miss. Chert 4789(-2583), Kinderhook Shale 4822(-2617).

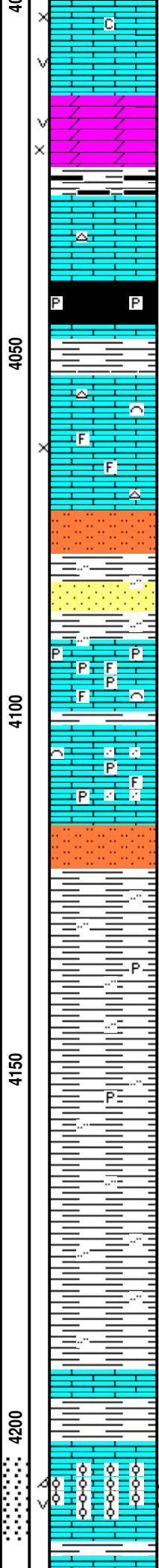
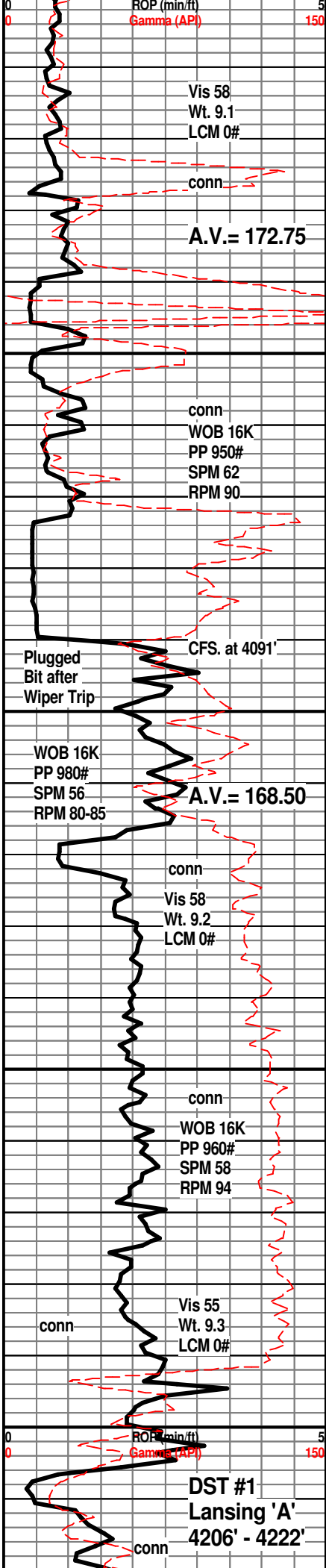
## ROCK TYPES

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

<b>MINERAL</b>  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	<b>FOSSIL</b>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom  <b>STRINGER</b>  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg  <b>TEXTURE</b>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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**at 4000'**  
LM; lt brn, cse xln, dolomitic, lt/med yel min fluor, scat well dev. vug por, no vis stn, ns.

DOL; lt brn, sucrosic to fine rhombic, fair interxln w/occ small vug por, lt yel min fluor, no stn, ns.

SH; dk gy, blk, platy

LM; lt brn, gy brn, some argil, most dense, blocky, trc off wh cht, no vis por, ns.

**HEEBNER SHALE 4040(-1835)**  
SH; blk, carb, occ pyr, faint gas odor  
LM; med brn, hd, blocky, tite

**TORONTO 4053(-1848)**  
LM; off wh, buff, tan, foss ip, most well cem, interbdd med xln lmst w/scat chalky mtz, fair interxln por, dull yel min fluor, no stn or odor, rare off wh cht, ns.

**DOUGLAS SHALE 4072(-1867)**  
SLTST; lt gy, sandy, occ mica w/interbdd vf gr qtz ss, platy, w/lt to med gy silty sh

**40 Stand Wiper Trip at 4091'**  
LM; lt to med brn, foss ip, pyr, dense, no vis por, scat lt yel min fluor

LM; med to dk brn, gy brn, foss ip, some sandy to gritty text, dense, scat pyr

SH; lt to med gy, platy, some silty sh and sltst.

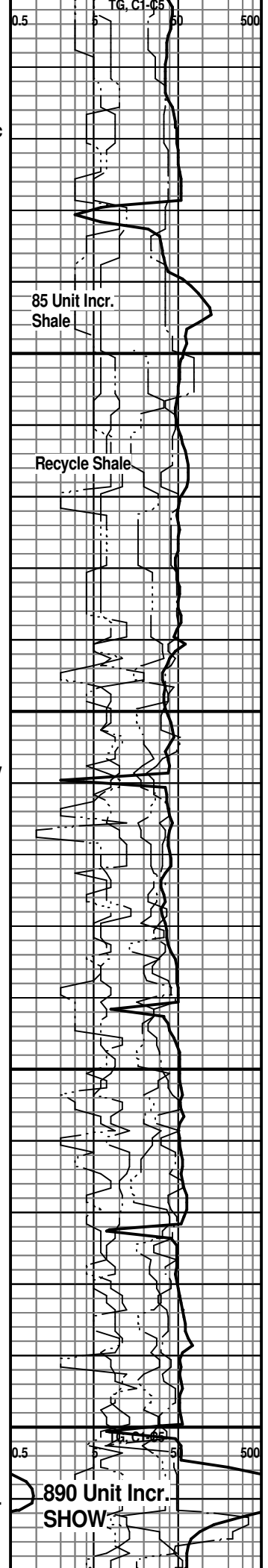
SH; lt to med gy, platy, occ silty, rarely pyr

SH; lt to med gy, smooth, occ silty

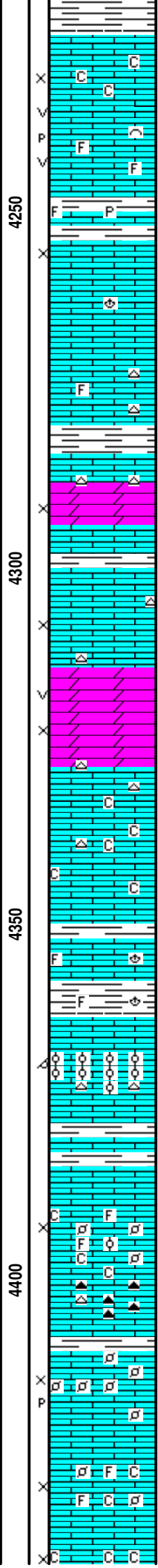
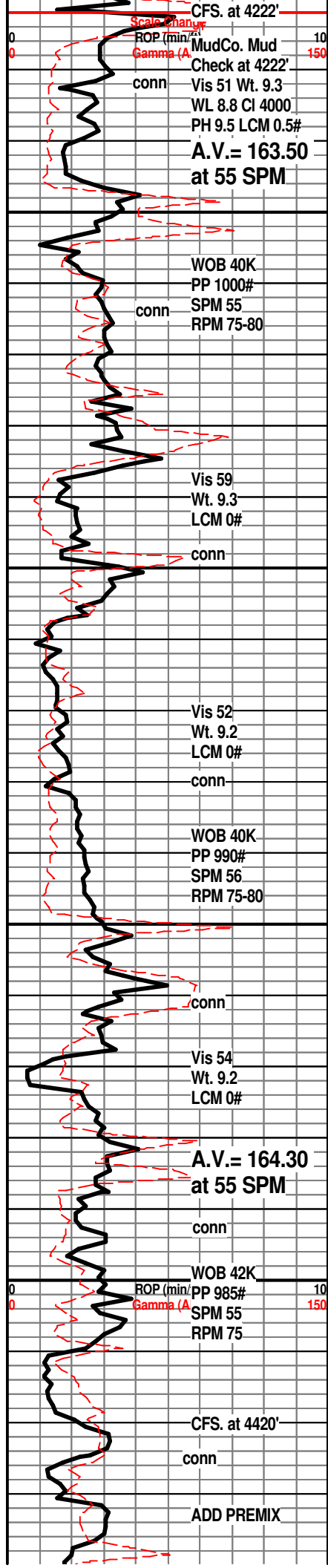
**BROWN LMST. 4192(-1987)**  
LM; med to dk brn, dense, blocky

**LANSING 'A' 4202(-1997)**  
LM; tan to lt brn, oolitic, med to lrg moldic por, uniform brite yel fluor, SFO w/spotted to occ even lt brn oil stn, gas bubbles, gd oomoldic w/scat vug por, fair odor, fair cut

DST #1: Lansing 'A' 4206' - 4222'







**LANSING 'B' 4225(-2020)**  
LM; off wh, tan, wh, f to med xln, chalky ip, poor vis interxln por, no fluor, no stn or odor

LM; lt gy, off wh, buff, foss ip, scat fair vug and p-p por, quest. gas bubbles, v. faint odor, no vis oil stn, most w/dull yel fluor, no cut

LM; lt brn, pyr, foss ip, hd

LM; off wh, tan, f to med xln, fair to gd interxln por, occ spar calc, no stn or odor, no fluor, ns.

LM; tan to lt brn, foss ip, most well cem, some micritic, scat tan cht, no vis por, ns.

LM and DOL; off wh, sucrosic text, partly dolomitic, poor interxln por, most tite, dull yel fluor, no stn or odor, ns.

LM; tan to lt gy, med xln w/scat spar calc, fair interxln por, occ gy cht, dull yel min fluor, no stn or odor, ns.

DOL; off wh, tan, lt gy brn, sucrosic, fair to gd interxln w/occ vug por, scat gy cht, dull yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to lt brn, buff, fxln, chalky mtx ip, scat gy cht, no vis por, no fluor, ns.

LM: med to dk brn, hd, blocky, tite

SH; med to dk gy, platy, occ foss

**LANSING/K.C. 'H' 4363(-2158)**  
LM; lt brn, oolitic, well dev. oomoldic por, most med to small size molds, brittle ip, scat oolitic cht, med yel fluor, no stn/odor, no gas kick, ns.

SH; med gy, flakey

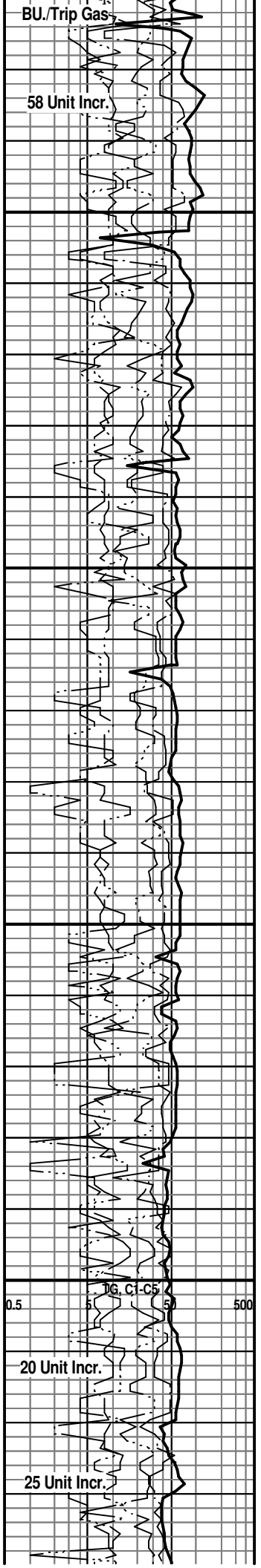
LM; tan to cream, buff, foss w/scat pellets - well cem ooids and hash, trc poor interpart por, chalky mtx ip, dull yel to no fluor, no vis stn, no gas kick, ns.

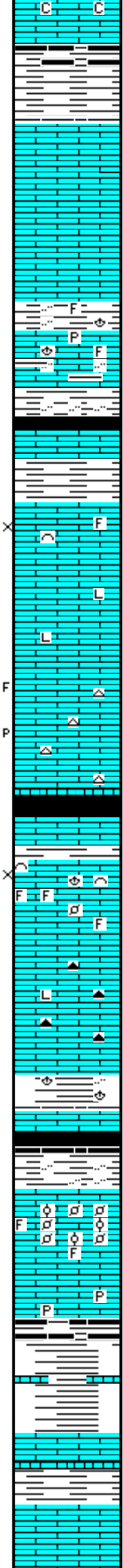
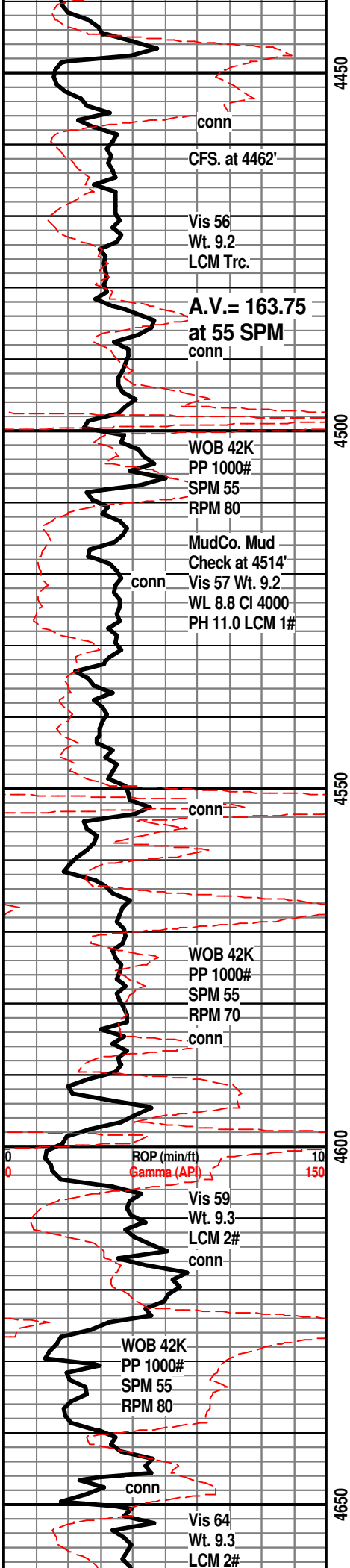
LM; med brn, hd, blocky, abnt brn cht, tite

**KANSAS CITY 'I' 4410(-2205)**  
LM; tan to buff, foss w/abnt small pellets and occ oolites, much soft chalk and chalky mtx, fair interpart w/scat p-p por, dull yel fluor, no stn or odor, no sample shows

LM; tan to cream, buff, gran - med xln, scat foss mat, gd interpart/interxln por, minor chalky mtx. dull yel fluor, no stn or odor, no sample shows

LM: tan to off wh. f to med xln. some gran text. poor





LM; tan to dk wh, f to med xln, some gran text, poor interln por, occ chalky, no fluor, ns.  
 SH; med to dk gy, gy grn, platy

**KANSAS CITY 'J' 4457(-2252)**  
 LM; tan to lt brn, f to med xln, some sucrosic text, partly dolomitic, no vis por, no fluor, no stn or odor, ns.  
 LM; tan to cream, buff, most dense, micritic, no vis por, no fluor, ns.  
 SH; med gy, gy brn, lmy, foss ip.  
 LM; med gy, foss ip, some gritty - silty text, occ pyr, tite, interbdd argil lmst. and silty sh.

**STARK SHALE 4498(-2293)**  
 SH; blk, carb ip, trc gas

**SWOPE 4510(-2305)**  
 LM; tan to off wh, buff, foss - well cem, trc poor interpart por, no vis stn, no odor, ns.  
 LM; tan to lt brn, buff, most dense - micritic, some litho, tite  
 LM; tan to cream, lt brn, fxln to micritic, scat poor p-p por, poss frags, most dense, no fluor, no vis stn, no sample shows, interbdd tan to brn cht

SH; blk, carb, platy, trc gas

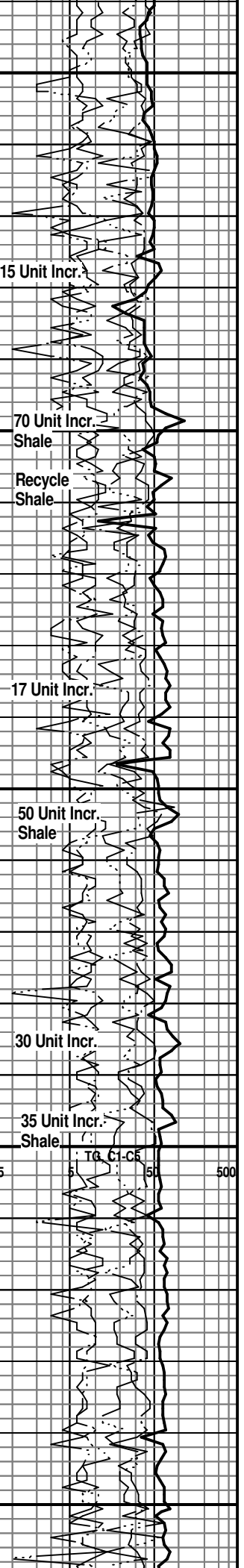
**HERTHA 4560(-2355)**  
 LM; off wh, buff, lt brn, foss w/some foss hash, occ fair interpart por, med yel min fluor, no vis stn, no odor, no gas kick  
 LM; med to dk brn, gy brn, hd, interbdd dk gy to smoky cht, litho ip, tite

**BASE KANSAS CITY 4590(-2385)**  
 SH; varic, maroon, red, grn, foss ip.  
 SH; blk, varic, platy, occ silty

**PLEASANTON 4606(-2401)**  
 LM; tan to lt brn, highly foss - well cem pellets and ooids, dense, no vis por, lt yel min fluor, no stn or odor, ns.  
 LM; med gy, gy brn, dense, micritic, blocky, occ pyr

SH; lt gy, grn, rare yel, dk gy - blk, platy, some v. soft, interbdd gy grn lmst strng.

**MARMATON 4640(-2435)**  
 LM; lt to med gy, gy grn, dense, blocky, tite  
 SH; med gy grn, grn, rust brn, platy  
 LM; tan to lt brn, micritic, blocky, hd, no vis por, no fluor, ns.



A.V.= 164.80  
at 55 SPM

WOB 42K  
PP 1000#  
SPM 55  
RPM 78

DST #2  
Cherokee  
4744' - 4761'  
Corrected  
CFS. at 4761'

MudCo. Mud  
Check at 4761'  
Vis 64 Wt. 9.3  
WL 9.4 CI 5200  
PH 9.5 LCM 2#

DST #3  
Miss. Chert  
4790' - 4807'  
Corrected

CFS. at 4807'  
MudCo. Mud  
Check at 4807'  
Vis 54 Wt. 9.3  
WL 8.8 CI 5200  
PH 9.0 LCM 2#  
CFS. at RTD.

ROP (min)  
Gamma (A)

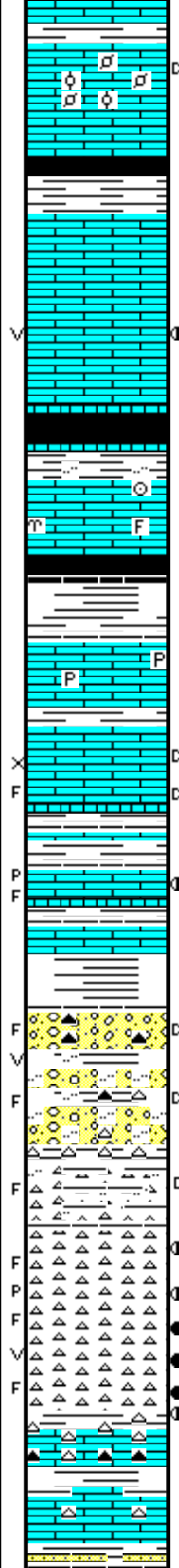
0 10  
0 150

4700

4750

4800

4850



LM; lt to med brn, foss ip w/scat well cem ooids/pellets, dull yel min fluor, trc blk tar/gils on few pcs, no live shows, no odor

SH; blk, dk gy, platy, trc gas

**PAWNEE 4682(-2477)**

LM; tan to lt brn, micritic, blocky, no vis por, no fluor, ns.

LM; med brn, blocky, scat small discontinuous vug por, few pcs w/scat oily film - med brn spotted oil stn, med yel fluor, gd cut, no odor, looks tite

SH; blk, carb, gas odor

SH; dk brn, gritty, foss ip.

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

**CHEROKEE SHALE 4719(-2514)**

SH; blk, carb ip, w/grn soft flakey sh

LM; lt to med brn, most dense, scat pyr, no vis por, no fluor, ns.

LM; lt brn, tan, fxl, abnt blk dead oil, lt yel fluor, trc v. poor interxln por, trc frags w/edge stn, SS hvy oil, v. faint odor, fair cut

**CHEROKEE LMST. 4751(-2546)**

LM; lt brn, fxl, frags w/live edge stn, some p-p por, lt yel fluor, SSFO, occ cse spar calc xtals w/stn, trc chalky mtx, some dense barren lmst.

**DST #2: Cherokee Lmst. 4744' - 4761'**

**REWORKED MISS/CONG 4766(-2561)**

CHT AND CONGL; org, wh, brn, fresh and weath, much blk tar/gils, scat frags and vug por, lt to med yel fluor, interbdd gy grn silty sh and gritty gy grn cht

CHT; gy, gritty, silty ip, scat blk tar/gils, tite

**CLEAN MISS. CHERT 4789(-2584)**

CHT; wh, off wh, fresh and trip, abnt opaque qtz xtals, trip cht w/spotted to even brn stn, frags, SSFO, faint odor, gas bub., med/brite yel fluor

CHT; wh, off wh, most fresh, frags w/weathered surfaces w/SFO, much brite yel fluor, faint odor, much even w/some spotted stn, gas bubbles, scat vug por

**DST #3: Miss. Chert 4790' - 4807'**

LM; red brn, oxidized, hd, abnt grn cht and cherty lmst, interbdd varic sh

**KINDERHOOK SHALE 4822(-2617)**

SH; grn, gy grn, silty to occ sandy, firm

RTD. 4825' at 10:30 AM. 7/21/14

LTD. 4831'

Halliburton ACRT, NEU/DEN, Microlog, MRIL

NOTE: This log was shifted to correspond with Driller Depths. Log depths are 4' - 6' to deep based on completion data.

115 Unit Incr. Shale

Recycle

84 Unit Incr.

260 Unit Incr. Shale

110 Unit Incr. Shale

Recycle

30 Unit Incr.

45 Unit Incr. SHOW

B.U. Gas

Max. 405 Unit Incr. SHOW

0.5 5 50 500





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
Job Ticket: 54156      **DST#: 1**  
Test Start: 2014.07.18 @ 06:57:20

## GENERAL INFORMATION:

Formation: **Lans. A**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 08:51:05  
Time Test Ended: 14:19:35  
Interval: **4206.00 ft (KB) To 4222.00 ft (KB) (TVD)**  
Total Depth: 4222.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ryan Reynolds  
Unit No: 68  
Reference Elevations: 2205.00 ft (KB)  
2192.00 ft (CF)  
KB to GR/CF: 13.00 ft

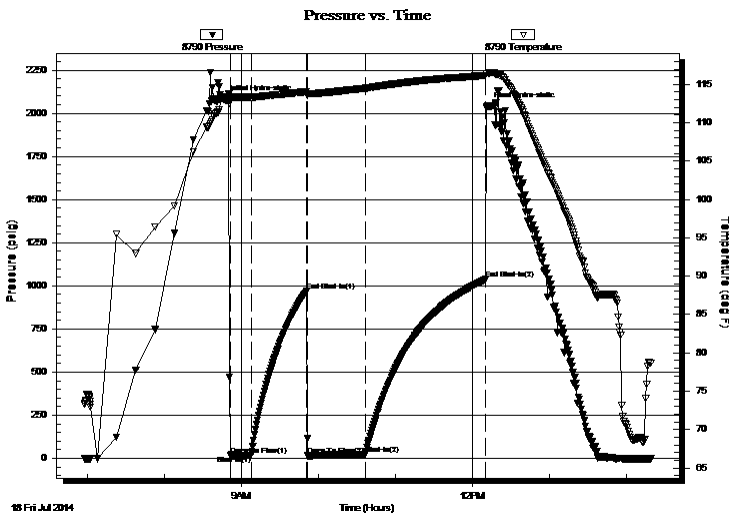
## Serial #: 8790

Inside

Press @ Run Depth: 24.88 psig @ 4207.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2014.07.18 End Date: 2014.07.18 Last Calib.: 2014.07.18  
Start Time: 06:57:25 End Time: 14:19:34 Time On Btm: 2014.07.18 @ 08:45:50  
Time Off Btm: 2014.07.18 @ 12:11:20

TEST COMMENT: IF: Strong blow . BOB @ 15sec.  
IS: No blow  
FF: Strong blow . BOB @ 15sec. No GTS.  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.01	113.25	Initial Hydro-static
6	18.56	113.19	Open To Flow (1)
22	16.95	113.30	Shut-In(1)
65	968.01	114.06	End Shut-In(1)
66	15.56	113.78	Open To Flow (2)
111	24.88	114.51	Shut-In(2)
205	1037.51	116.18	End Shut-In(2)
206	2038.88	116.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	SLI OMCW 2%o, 5%g, 28%m, 65%w	0.15
0.00	2125' GIP	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m <sup>3</sup> /d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
Job Ticket: 54156      **DST#: 1**  
Test Start: 2014.07.18 @ 06:57:20

## Mud and Cushion Information

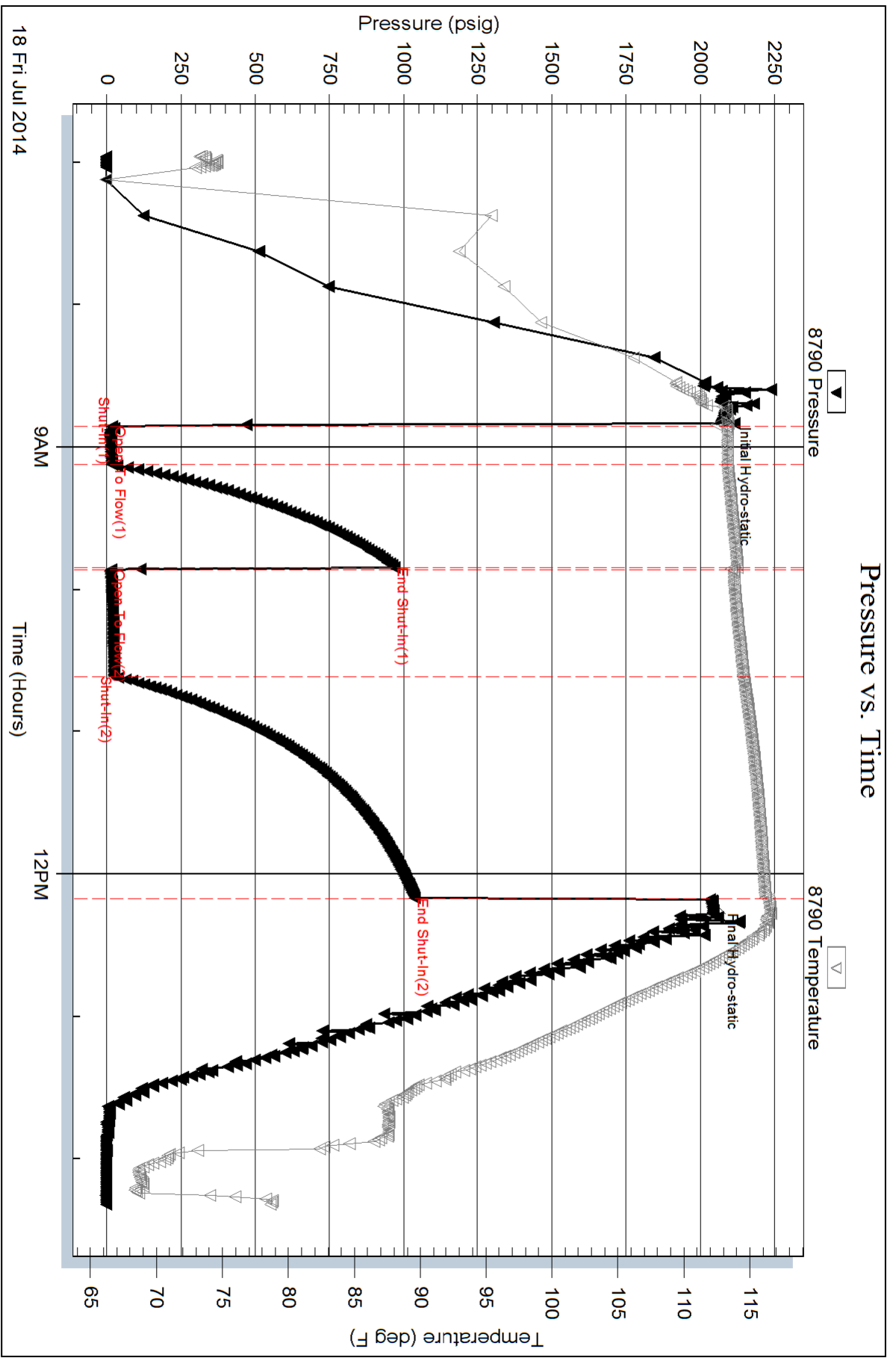
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	50000 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SLI OMCW 2%o, 5%g, 28%m, 65%w	0.148
0.00	2125' GIP	0.000

Total Length: 30.00 ft      Total Volume: 0.148 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
Job Ticket: 54157 **DST#: 2**  
Test Start: 2014.07.20 @ 07:06:28

## GENERAL INFORMATION:

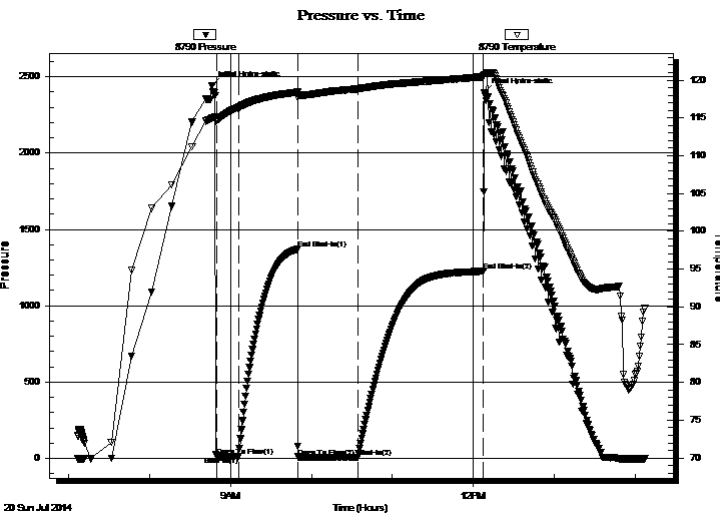
Formation: **Cherokee**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 08:49:28  
Time Test Ended: 14:07:13  
Interval: **4743.00 ft (KB) To 4760.00 ft (KB) (TVD)**  
Total Depth: 4760.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ryan Reynolds  
Unit No: 68  
Reference Elevations: 2205.00 ft (KB)  
2192.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 8790

Inside

Press@RunDepth: 8.41 psig @ 4744.00 ft (KB)  
Start Date: 2014.07.20 End Date: 2014.07.20  
Start Time: 07:06:33 End Time: 14:07:12  
Capacity: 8000.00 psig  
Last Calib.: 2014.07.20  
Time On Btm: 2014.07.20 @ 08:46:13  
Time Off Btm: 2014.07.20 @ 12:08:28

TEST COMMENT: IF: Strong blow . BOB @ 3min.  
IS: No blow  
FF: Strong blow . BOB immed. No GTS.  
FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2441.86	114.95	Initial Hydro-static
4	16.91	114.66	Open To Flow (1)
20	15.55	116.35	Shut-In(1)
64	1370.98	118.40	End Shut-In(1)
64	10.57	118.03	Open To Flow (2)
108	8.41	118.84	Shut-In(2)
202	1227.38	120.44	End Shut-In(2)
203	2393.80	120.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud	0.02
0.00	2590' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
Job Ticket: 54157      **DST#: 2**  
Test Start: 2014.07.20 @ 07:06:28

## Mud and Cushion Information

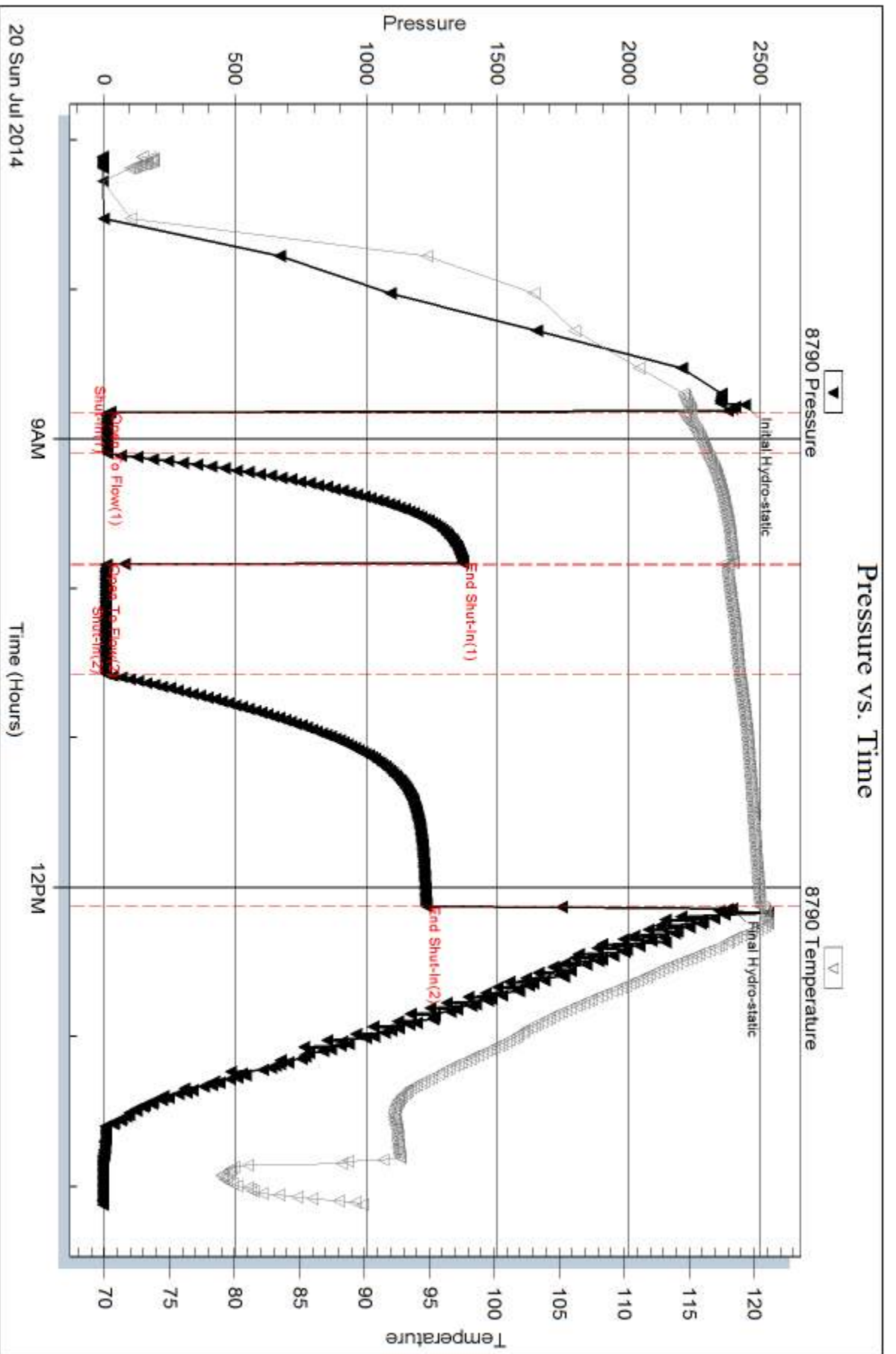
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	5200 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud	0.025
0.00	2590' GIP	0.000

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
 Job Ticket: 54158 **DST#: 3**  
 Test Start: 2014.07.20 @ 21:57:27

## GENERAL INFORMATION:

Formation: **Miss. Chert**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 00:20:27  
 Time Test Ended: 06:53:12  
 Interval: **4790.00 ft (KB) To 4807.00 ft (KB) (TVD)**  
 Total Depth: 4807.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ryan Reynolds  
 Unit No: 68  
 Reference Elevations: 2205.00 ft (KB)  
 2192.00 ft (CF)  
 KB to GR/CF: 13.00 ft

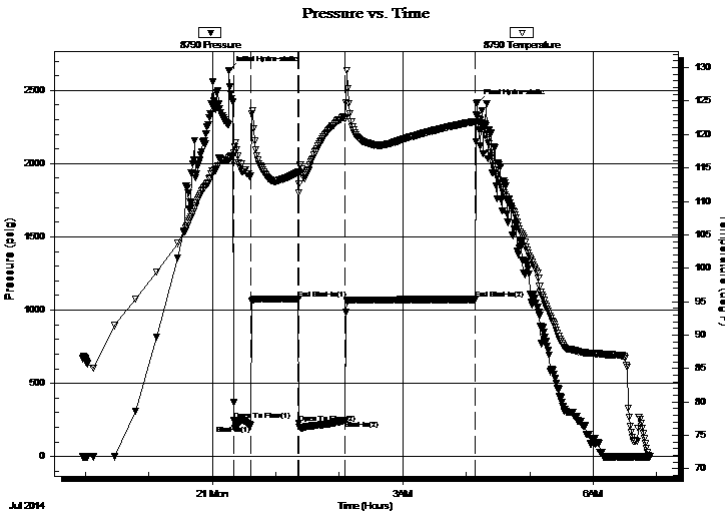
## Serial #: 8790

Inside

Press@RunDepth: 248.60 psig @ 4791.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.20 End Date: 2014.07.21 Last Calib.: 2014.07.21  
 Start Time: 21:57:32 End Time: 06:53:12 Time On Btm: 2014.07.21 @ 00:15:57  
 Time Off Btm: 2014.07.21 @ 04:09:57

TEST COMMENT: IF: Strong blow . BOB immed. GTS @ 7min.  
 IS: No blow  
 FF: Strong blow . BOB immed. Guaged gas.  
 FS: Strong BOB BB @ 35min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2636.89	116.44	Initial Hydro-static
5	244.83	117.30	Open To Flow (1)
21	212.46	113.89	Shut-In(1)
66	1077.42	114.40	End Shut-In(1)
66	225.95	111.26	Open To Flow (2)
110	248.60	122.43	Shut-In(2)
233	1073.19	121.96	End Shut-In(2)
234	2410.13	122.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	WMCGO 3%w , 8%m, 9%g, 80%o	0.59
450.00	Clean Gassy Oil 25%g, 75%o	4.43

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	45.00	930.94
Last Gas Rate	0.50	52.00	449.26
Max. Gas Rate	0.50	75.00	604.41



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

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

**33-27s-18w Kiowa Co., KS**  
**Kinyon 2-33**  
Job Ticket: 54158      **DST#: 3**  
Test Start: 2014.07.20 @ 21:57:27

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	58000 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 0.02 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	WMCGO 3%w , 8%m, 9%g, 80%o	0.590
450.00	Clean Gassy Oil 25%g, 75%o	4.427

Total Length: 570.00 ft      Total Volume: 5.017 bbl  
 Num Fluid Samples: 1      Num Gas Bombs: 1      Serial #: RR-1  
 Laboratory Name: Caraway      Laboratory Location: Liberal, KS  
 Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Herman L. Loeb, LLC.

**33-27s-18w Kiowa Co., KS**

P.O. Box 838  
Lawrenceville, IL 62439

**Kinyon 2-33**

Job Ticket: 54158

**DST#: 3**

ATTN: Jon Christensen

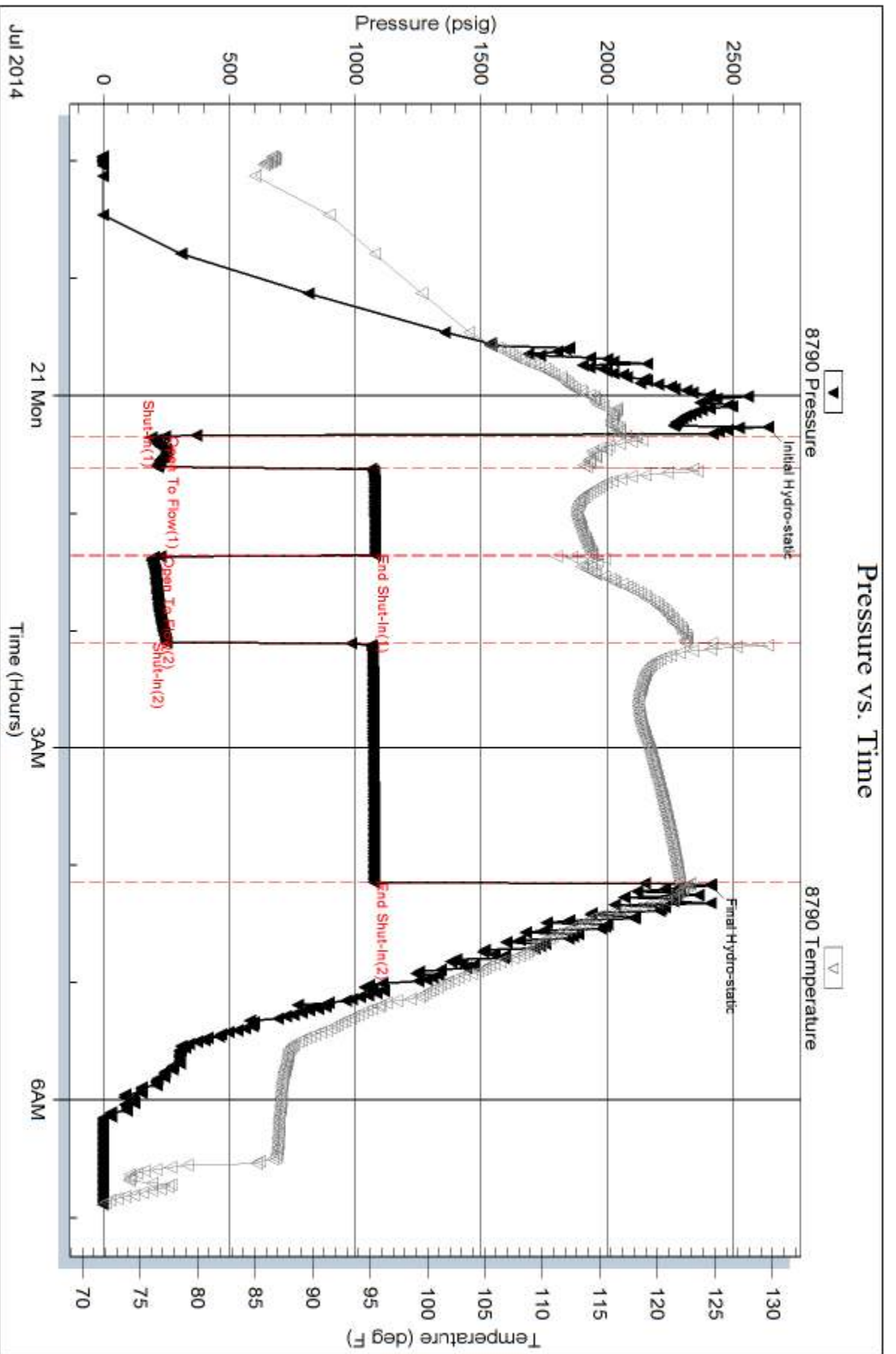
Test Start: 2014.07.20 @ 21:57:27

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	15	0.75	45.00	930.94
2	10	0.50	75.00	604.41
2	20	0.50	70.00	570.69
2	30	0.50	62.00	516.72
2	40	0.50	55.00	469.50
2	45	0.50	52.00	449.26





6076/771 Kinyon I (A)  
9/38



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1007589	1718	07/16/2014
INVOICE NUMBER			
91542294			

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 Kinyon 2-33  
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
40744132	20920		Net - 30 days	08/15/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<b>For Service Dates: 07/15/2014 to 07/15/2014</b>				
0040744132				
171810783A Cement-New Well Casing/Pi 07/15/2014 Cement Surface				
A-Con Blend Common	200.00	EA	13.14	2,628.00 T
Common Cement	200.00	EA	11.68	2,336.00 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	164.25	164.25
Flapper Type Insrt Float Valve 8 5/8 (Bl	1.00	EA	204.40	204.40
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	3.10	108.59
Heavy Equipment Mileage	70.00	MI	5.11	357.70
"Proppant & Bulk Del. Chgs., per ton mil	658.00	EA	1.61	1,056.75
Depth Charge; 501'-1000'	1.00	EA	876.00	876.00
Blending & Mixing Service Charge	400.00	BAG	1.02	408.80
Plug Container Util. Chg.	1.00	EA	182.50	182.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	127.75	127.75
Celloflake	100.00	EA	2.70	270.10 T
Calcium Chloride	940.00	EA	0.77	720.51 T

PAID  
51525  
JUL 24 2014

SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,441.35
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	425.75
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	9,867.10
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





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

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

FIELD SERVICE TICKET  
1718 10783 A

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

DATE OF JOB <b>7-15-14</b> DISTRICT <b>Pratt</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER <b>Herman LooB LLC</b>		LEASE <b>Kiuna</b> WELL NO. <b>2-33</b>								
ADDRESS		COUNTY <b>Kiuna</b> STATE <b>KS</b>								
CITY STATE		SERVICE CREW <b>MATTAI, EGGING, PAY</b>								
AUTHORIZED BY		JOB TYPE: <b>CMW SUICID</b>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<b>37510</b>	<b>1</b>						<b>7-15-14</b>			<b>4:00</b>
						ARRIVED AT JOB				<b>6:20</b>
						START OPERATION				<b>10:45</b>
<b>33708/20920</b>	<b>1</b>					FINISH OPERATION				<b>11:30</b>
						RELEASED				<b>12:15</b>
<b>19831/19802</b>	<b>1</b>					MILES FROM STATION TO WELL				<b>35</b>

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

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

SIGNED: *Alan Lofth*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A. CUM	SH	200		3,600 00
CP 100C	COMMON CUM	SH	200		3,200 00
CC 102	CEMENT	LB	100		370 00
CC 109	CALCIUM CHLORIDE	LB	940		987 00
CK 105	TOP RUBBER PLUG	EA	1		225 00
CF 145	FLAP TYRE INSUL	EA	1		280 00
E 100	P.U. Miles	Mi	35		148 75
E 101	Heavy eq Miles	Mi	70		490 00
E 113	PROP + BULK P-1	TM	658		1,447 60
CE 201	Depth Chaise 501-1000'	4hr	1		1,200 00
CE 240	Blend + Mix CUM	SK	400		560 00
CE 504	Plus CONTAIN	JOB	1		250 00
5003	SUPERVISOR	EA	1		175 00

SUB TOTAL **9,441 35**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	<b>KA</b>
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE **Mike MATTAI**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Alan Lofth*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Customer Heriman L-05 11C	Lease No.	Date 7-15-14
Lease Kinyon	Well # 2-33	
Field Order # 10783	Station Pratt	Casing 8 5/8
		Depth 623.92
Type Job C/W SURFACE	Formation	County Kiowa
		State KS
		Legal Description 35-27-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 200 SLS A-CUT 3%	BATE	PRESS	ISIP	
Depth 623.92	Depth	From	To	Pre Pad 200 SLS	Max	14	5 Min.	
Volume 38	Volume	From	To	Pad	Min		10 Min.	
Max Press 500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PAC	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 578.5	Packer Depth	From	To	Flush 36	Gas Volume		Total Load	

Customer Representative Michel Polly	Station Manager Kevin Goidley	Treater Mike MATTIA
---	----------------------------------	------------------------

Service Units 37586	33708	20920	19831	19862				
Driver Names MATTIA	Egging		P H Ye					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:20 AM					ON LOCATION / SAFETY MEETING
9:45					Run 8 5/8 casing
10:30					Casing on bottom
10:40					Hook up to casing / Break Circ w Rig
10:48	50		3	6.5	Pump 3 BBL water
10:50	50		88	6.5	Mix 200 SLS A-CUT
11:05	200		43	6	Mix 200 SLS common
11:17	-		-	-	release plug
11:20	150		-	5	START DISP.
11:30	500		36	-	plug down, release + hold 10 BBLs cut to pit
					JOB COMPLETE
					THANK YOU!
					MIKE MATTIA





PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	100758	1718	07/24/2014
<b>INVOICE NUMBER</b>			
<b>91549865</b>			

Pratt (620) 672-1201

B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 T IL US 62439  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Kinyon 2-33  
 O LOCATION  
 B COUNTY Kiowa  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

6076 → 771 Kinyon 1-7 9438

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40747053	19905		Net - 30 days	08/23/2014

For Service Dates: 07/22/2014 to 07/22/2014

0040747053

171810711A Cement-New Well Casing/Pi 07/22/2014  
 Cement 5 1/2" Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
50/50 POZ	250.00	EA	8.47	2,117.35 T
Celloflake	63.00	EA	2.85	179.47 T
Gypsum	1,050.00	EA	0.58	606.33 T
FLA-322	105.00	EA	5.77	606.33 T
Gilsonite	1,500.00	EA	0.52	773.80 T
Mud Flush	1,000.00	EA	1.15	1,154.92 T
KCL Potassium Chloride	566.00	EA	1.15	653.69 T
Claymax KCL Substitute	5.00	EA	26.95	134.74 T
"Latch Down Plug & Baffle, 5 1/2"" (Blu	1.00	EA	307.98	307.98
"Auto Fill Float Shoe 5 1/2"" (Blue)"	1.00	EA	277.18	277.18
"Turbolizer, 5 1/2"" (Blue)"	12.00	EA	84.69	1,016.33
"5 1/2"" Basket (Blue)"	2.00	EA	223.29	446.57
"Cement Scratchers Cable Type, 5 1/2"" "	6.00	EA	57.75	346.48
Industrial Rubber Thread Lock Kit	1.00	EA	26.18	26.18
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	3.27	114.53
Heavy Equipment Mileage	70.00	MI	5.39	377.27
"Proppant & Bulk Del. Chgs., per ton mil	368.00	EA	1.69	623.35
Depth Charge; 4001'-5000'	1.00	EA	1,940.27	1,940.27
Blending & Mixing Service Charge	250.00	BAG	1.08	269.48
Plug Container Util. Chg.	1.00	EA	192.49	192.49
"Service Supervisor, first 8 hrs on loc.	1.00	EA	134.74	134.74

PAIF  
 51612  
 JUL 30 2014  
 SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	12,299.48
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	445.20
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	12,744.68
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		





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

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

FIELD SERVICE TICKET  
1718 10711 A

33-275-18W

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

DATE OF JOB: 7-22-14		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: Kinyon				WELL NO: 2-33	
ADDRESS:				COUNTY: Kiowa		STATE: Kansas			
CITY:				STATE:		SERVICE CREW: C. Messick, M. McGraw, J. Hanson			
AUTHORIZED BY:				JOB TYPE: C.N.W. - Longstring					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37,216	1.5						7-21-14	PM	9:00
						ARRIVED AT JOB	7-22-14	AM	11:00
77,686-19,905	1.5					START OPERATION		AM	4:45
						FINISH OPERATION		AM	6:15
19,960-21,010	1.5					RELEASED	7-22-14	AM	6:30
						MILES FROM STATION TO WELL			35

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: Michael Polley  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 104	50/50 Poz	sh	200	\$	2,200 00
CP 104	50/50 Poz	sh	50	\$	550 00
CC 102	Cellflake	Lb	63	\$	233 10
CC 113	Gypsum	Lb	1,050	\$	787 50
CC 129	FLA-322	Lb	105	\$	787 50
CC 201	Gilsonite	Lb	1,500	\$	1,005 00
C 700	KCl: Potassium Chloride	Lb	566	\$	849 00
CF 607	Latch Down Plug and Baffle, 5 1/2"	ea	1	\$	400 00
CF 1251	Auto Fill Float Shoe, 5 1/2"	ea	1	\$	360 00
CF 1651	Turbolizer, 5 1/2"	ea	12	\$	1,320 00
CF 1901	Basket, 5 1/2"	ea	2	\$	580 00
CF 2001	Reciprocating scratchers, 5 1/2"	ea	6	\$	450 00
C 704	Clay max	Gal	5	\$	175 00
CC 151	Mud Flush	Gal	1,000	\$	1,500 00
CF 3000	Thread Lock Kit	ea	1	\$	34 00

SUB TOTAL

16

CHEMICAL / ACID DATA:			

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

TOTAL

SERVICE REPRESENTATIVE: Michael R. [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Michael Polley  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.





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

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

FIELD SERVICE TICKET

1718 ~~10712~~ A

*Customer*

33-275-18W

DATE \_\_\_\_\_ TICKET NO. 10,711

DATE OF JOB: T-22-14		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: Kinyon				WELL NO: 2-33		
ADDRESS:				COUNTY: Hiowa		STATE: Kansas				
CITY:		STATE:		SERVICE CREW: C. Messick; M. McGraw; J. Hanson						
AUTHORIZED BY:				JOB TYPE: C.N.W. - Long string						
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: *Michael Polley*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	Pickup Mileage	mi	35	\$	148 75
E 101	Heavy Equipment Mileage	mi	70	\$	490 00
E 113	Bulk Delivery	tm	368	\$	808 50
CE 205	Cement Pump: 4,000 Feet To 5,000 Feet	hrs	4	\$	2,520 00
CE 240	Blending and Mixing Service	sh	250	\$	350 00
CE 504	Plug Container	Job	1	\$	250 00
S 003	Service Supervisor	hrs	8	\$	175 00

SUB TOTAL  
16 \$ 12,299 48

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: <i>Andrew R. M. ...</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Michael Polley</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.



Customer Herman L. Loeb, LLC	Lease No.	Date 7-22-14
Lease Kinyon	Well # 2-33	
Field Order # 10711	Station Pratt, Kansas	Casing" 5 1/2
	Depth 4,823 Ft.	County Kiowa
Type Job C.N.W. - Longstring	Formation	State Kansas
		Legal Description 33-275-18W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 5 1/2	Shots/Ft 200	Acid 50/50 Poz	Rate with 28 Gel, 58F	Press 58F	ISIP Lud Loss,		
Depth 4,823 Feet	Depth	From 58	To 64	Pre Pad psum, 58 tcl, 2	Max 5 Lb/stk cell flake, 6 Lb/stk Gilsonite	5 Min.		
Volume 14.8 Bbl.	Volume	From 14 Lb.	To Gal., 5.43 Gal.	Min 1.35	CV.F.T./	10 Min.		
Max Press	Max Press	From	To	Frac	Avg	15 Min.		
Well Connection Plug container	Annulus Vol.	From 50 additional sacks	To 50/50 Poz to Plug	HHP Used Rat (30 sts.) and mouse	Annulus Pressure (20 sts) holes			
Plug Depth 4,813 Feet	Packer Depth	From	To	Flush 114.5 Bbl. 28 tcl	Gas Volume	Total Load		

Customer Representative Michael Polley	Station Manager Kevin Gordley	Treater Clarence R. Messick
Service Units 37,216	77,686	19,905
Driver Names Messick	McGraw	Hanson
19,960	21,010	

Time AM	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00					Truck on location and hold safety meeting.
11:15					Sterling Drilling start to run AutoFill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 116 Joints new 5 1/2" x 15.5 Lb./Ft casing. A Turbolizer was installed on Collars # 1, 2, 3, 5, 7, 9, 10, 11, 12, 17, 22, & # 27. A Basket was installed above collars # 9 and # 21.
3:45					Casing in well Circulate and Reciprocate for 1 hour.
4:52	400			6	Start Freshwater Pre-Flush.
	)		10	6	Start mud Flush.
			34	6	Start Fresh water spacer.
5:02	400		45	5	Start mixing 200 sacks 50/50 Poz cement.
	-0-		93		Stop pumping. Shut in well. Wash pump and lines. Release latch down plug. Open well.
5:20	100			6.5	Start 28 tcl Displacement.
				5	start to lift cement. Pressure varied from
5:42	1,000		114.5		Plug down. 700 P.S.I. to 1,700 P.S.I.
	1,800				Pressure up.
	-0-		7-5	3	Release pressure. Float Shoe held Plug Rat and mouse holes.
					Wash up pump truck.
6:15					Job Complete.
					Thank You
					Clarence Mite. Josh