

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1246044
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
-----------------------------------	-----------------	---

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: _____

1246044

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	UNRUH 5-33
Doc ID	1246044

Tops

Name	Top	Datum
Chase	2435	-228
Heebner SH	4026	-1819
Lansing 'A'	4188	-1981
Lansing 'B'	4210	-2003
K.C. 'I'	4407	-2200
BKC	4591	-2384
Cherokee SH	4717	-2510
Miss (Rework)	4760	-2553
Miss Chert	4768	-2561
Kinderhook SH	4812	-2605

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Unruh #5-33
Location: 2296' FNL & 1645' FWL, Sec. 33-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21818-00-00 Region: Einsel
Spud Date: 3/9/2015 Drilling Completed: 3/16/2015
Surface Coordinates: 2296' FNL & 1645' FWL, Sec. 33-T27S-R18W

Bottom Hole Same as Above
Coordinates:
Ground Elevation (ft): 2198' K.B. Elevation (ft): 2207'
Logged Interval (ft): 3900' To: 4823' Total Depth (ft): 4823'
Formation: Kinderhook Shale at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3383'; Chemical Gel 3383' to 4823'

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(Kansas City 'I' Zone) 4398' - 4417'(Depths Corrected to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/6.5 Min, FFP Strong Blow BOB/5 Min., no Gas to Surface, 2" Blowback on FSI; REC: 960' Gas in Pipe, 62' GOCM(24%G, 14%O, 62%M), 124' GM&OCW(30%G, 24%O, 39%W, 7%M) CI 76,000, Mud 5000; IFP 30-45#, ISIP 1214#, FFP 64-87#, FSIP 1222#, IHP 2168#, FHP 2104#, BHT 120 Deg. F.

DST #2(Cherokee - Miss. Chert) 4740' - 4796'(Depths Corrected to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/20 Sec., BOB Blowback in ISI, FFP Strong Blow, Gas to Surface in 21 Min., Volume To Small to Measure(Gas Burns OK), BOB Blowback on FSI; REC: 30' Drlg. Mud, no oil, no water; IFP 33-35#, ISIP 503#, FFP 24-28#, FSIP 93#, IHP 2377#, FHP 2371#, BHT 124 Deg. F(NOTE: Shut-in tool may have failed during ISIP, FSIP may not be valid).

Comments

3/9/15 MIRU Sterling Drilling Co. Rig #4, Spud at 6:45 PM.; 3/10/15 TD. 550' - Setting 8 5/8" Surface Casing; 3/11/15 Drilling at 1675'; 3/12/15 Drilling at 3190'; 3/13/15 TD. 4216' - Bit Trip; 3/14/15 TD. 4423' - TOH for DST #1; 3/15/15 Drilling at 4625'; 3/16/15 TD. 4804' - DST #2, Reached Total Depth of 4823' at 2:07 PM., LTD. 4815'; 3/17/15 LTD. 4815' - LDDP for setting 5 1/2" Production Casing.

Set new 8 5/8"(23#) Surface Casing at 547' KB. with 400 sacks of cement(Basic Energy Services). Cement did Circulate. PD. at 8:30 AM. on 3/10/15.

Set new 5 1/2"(15.5#) Production Casing at 4814' KB. with 200 sacks of "Loeb Blend" cement(Basic Energy Services). PD. at 2:45 PM. on 3/17/15.

Surveys: 1.0 Deg. at 550'(Surface Casing); 0.75 Deg. at 4216'(Bit Trip); 0.50 Deg. at 4423'(DST #1); 0.25 Deg. at 4804'(DST #2).

Pipe Strap at 4210'(Bit Trip): Strap 5.40' Short to the Board, no correction made to the Board.


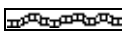
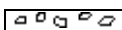
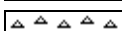
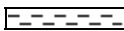


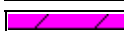




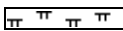
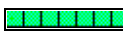
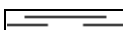
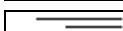
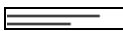



Pipe Strap at 4796'(DST #2): Strap 8.23' Short to the Board. We believe that the Strap is correct, the measurement error occurred while tallying the Drill Pipe on the racks.

After review of the Halliburton Logs, DST data, and sample shows, the operator elected to set new 5 1/2" Production Casing for completion in the Miss. Chert, Kansas City 'I' and Lansing 'B' zones.








































































LOG TOPS: Chase 2435(-228), Stotler Lmst. 3388(-1181), Howard 3587(-1380), Heebner Shale 4026(-1819), Toronto 4038(-1831), Brown Lmst. 4178(-1971), Lansing 'A' 4188(-1981), Lansing 'B' 4210(-2003), KC. 'I' 4407(-2200), Stark Shale 4495(-2288), Hertha 4556(-2349), Base Kansas City 4591(-2384), Marmaton 4632(-2425), Pawnee 4677(-2470), Cherokee Shale 4717(-2510), Reworked Miss. 4760(-2553), Clean Miss. Chert 4768(-2561), Kinderhook Shale 4812(-2605).

NOTE: This log was shifted upward by 5' to 8' for correlation purposes with the Halliburton logs. The pipe straps confirm that LTD. is correct, being from 5' to 8' short to the Board.

ROCK TYPES

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

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
---	--	--	--	---

OTHER SYMBOLS

- POROSITY**
 [E] Earthy
 [F] Fenest
 [X] Fracture
 [Inter] Inter
 [Moldic] Moldic
 [Organic] Organic
 [Pinpoint] Pinpoint

[V] Vuggy

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

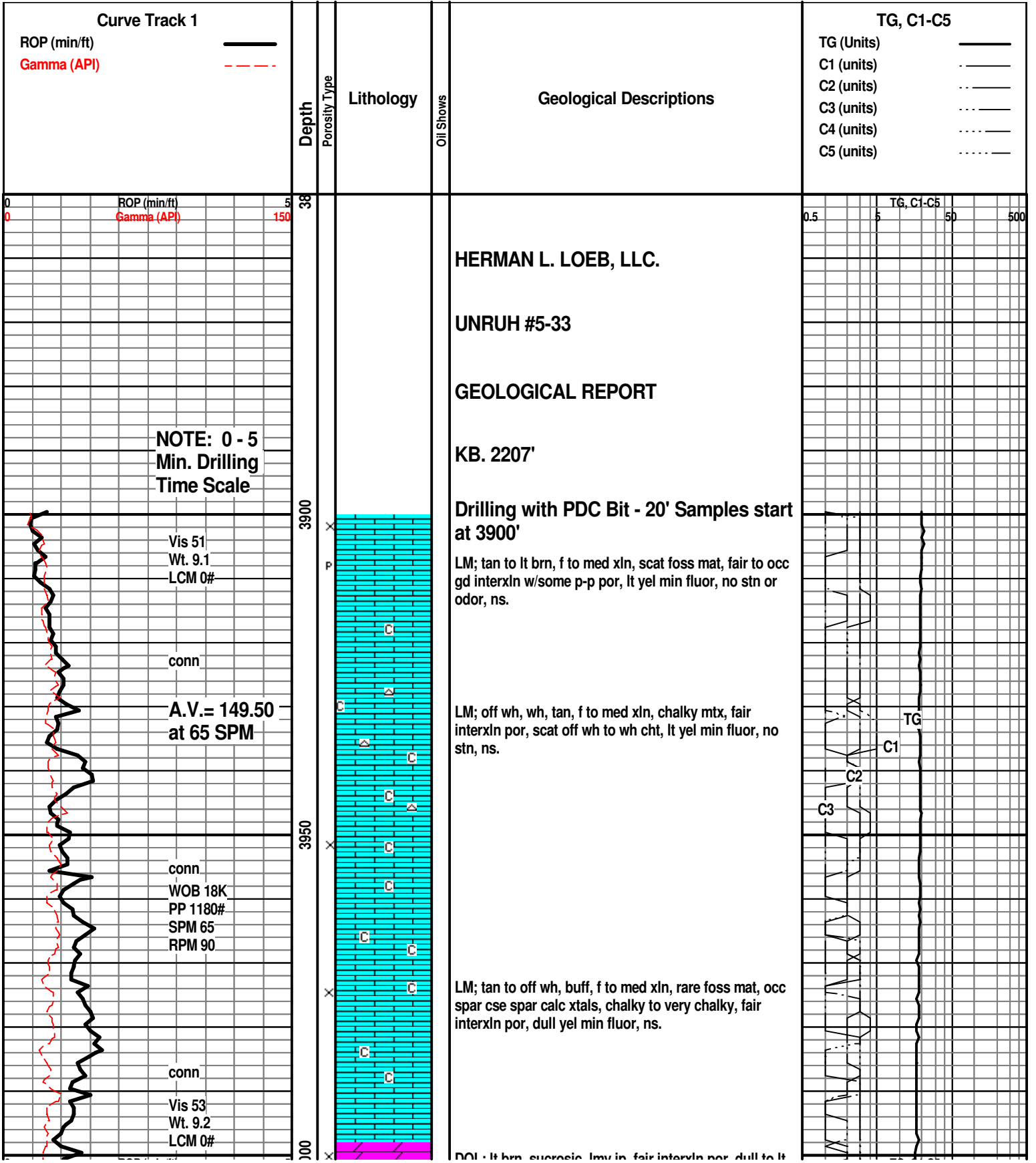
- ROUNDING**
 [R] Rounded
 [Subrnd] Subrnd
 [Subang] Subang
 [Angular] Angular

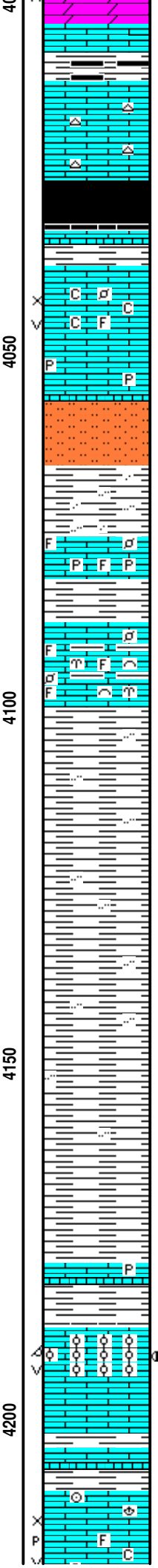
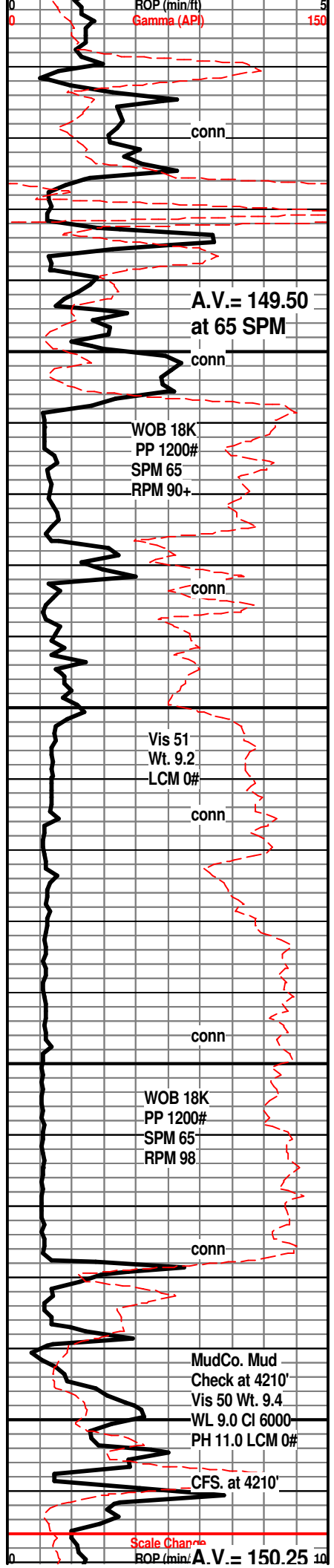
OIL SHOW
 [Even] Even

- [Spotted] Spotted
 [Ques] Ques
 [Dead] Dead

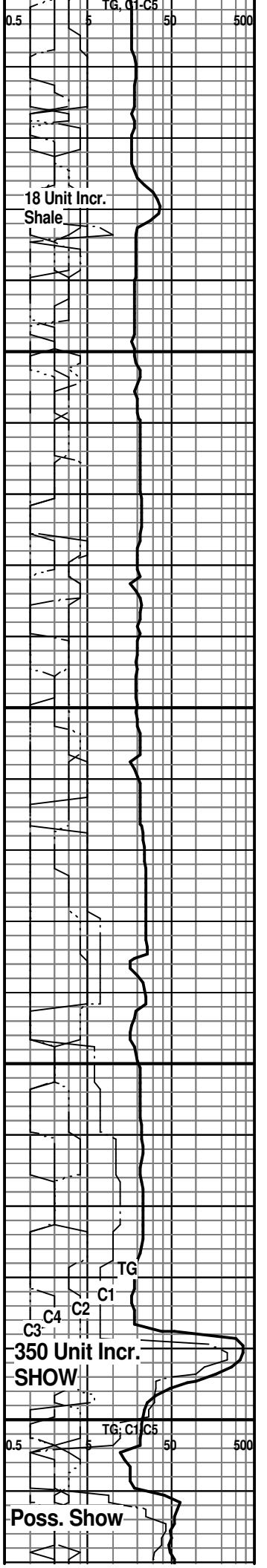
- INTERVAL**
 [Core] Core
 [Dst] Dst

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





SH; med to dk gy, platy
 LM; lt to med brn, hd, blocky, scat off wh/gy cht, no vis por, ns.
HEEBNER SHALE 4026(-1819)
 SH; blk, carb, platy
 LM; med brn, hd, blocky
TORONTO 4038(-1831)
 LM; tan to off wh, buff, foss w/most f to med xln, fair to occ gd interxln w/some vug por, occ spar calc xtals, minor chalky mtx, lt yel min fluor, no stn or odor, rare pyr, no gas kick
DOUGLAS SHALE 4057(-1850)
 SLTST; lt gy, sandy ip, occ mica
 SH; lt to med gy, silty to occ sandy, firm
 LM; med to dk brn, hd, foss, all well cem, occ pyr, tite
 LM; med brn, foss, some w/much foss hash, interbdd argil lmst, lt yel min fluor, no stn, ns.
 SH; lt to med gy, platy, occ silty, soft
 SH; med gy, platy, firm, occ silty
 SH; med gy, firm, smooth, some flakey
BROWN LMST. 4178(-1971)
 LM; med to dk brn, dense, blocky, trc pyr
LANSING 'A' 4188(-1981)
 LM; tan to lt brn, oolitic, med to lrg molds, well dev oomoldic w/occ vug por, med yel fluor, gas bubbles, v. faint odor, trc spotted lt brn oil stn, some tite, pred. gas show
Bit Trip at 4210' - Drill deeper with Button Bit
LANSING 'B' 4210(-2003)
 LM; tan to off wh, fxln, scat foss mat, fair interxln w/some p-p por, chalky mtx ip, dull yel fluor, poss gas bubbles, no vis stn, no odor



Gamma (A) at 55 SPM 150

conn
WOB 40K
PP 1165#
SPM 53
RPM 72-75

conn
Vis 55
Wt. 9.3
LCM 0#

conn
WOB 42K
PP 1180#
SPM 55
RPM 71

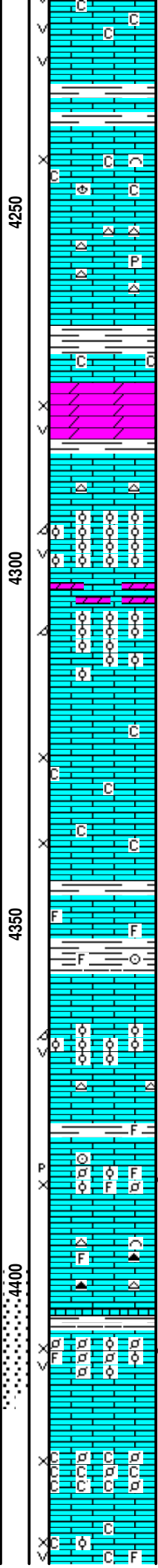
conn
Vis 54
Wt. 9.4+
LCM 0#

conn
WOB 42K
PP 1165#
SPM 55
RPM 70

A.V.= 150.50
at 55 SPM

ROP (min/ft) Gamma (A) 150

conn
DST #1
K.C. 'I' zone
4398' - 4417'
CFS. at 4417'
MudCo. Mud
Check at 4417'
Vis 72 Wt. 9.2
WL 8.8 CI 6000
PH 10.5 LCM 0#



LM; off wh, wh, lt gy, med xln, well dev. vug por, sev. gas bubbles, lt yel fluor, no vis oil stn, no odor - pred. gas show only

SH; med to dk gy, platy

LM; tan to buff, off wh, f to med xln, scat foss mat, partly chalky, fair interpart/interxln por, no fluor, no stn or odor, ns.

LM; med brn, micritic, scat pyr, occ gy/tan cht, tite

SH; med to dk gy, gy grn, platy

DOL; lt brn, lt gy, sucrosic, fair interxln w/vug por, med yel min fluor, no vis stn, no odor, ns.

LM; off wh, buff, f to med xln, scat wh cht, tite

LM; med brn, oolitic, med to lrg molds, brittle, most w/gd oomoldic por, occ vug por, med yel min fluor, no vis stn, no odor

LM; lt gy, lt brn, partly dolomitic, also med brn oomoldic lmst w/gd oomoldic por, occ cse spar calc xtals, med yel min fluor, no vis stn, no gas kick, barren

LM; off wh, lt gy, f to med xln, scat gd interxln por, some soft chalky mtz, rare spar calc xtals, scat lt yel min fluor, ns.

LM; med brn, foss ip, occ fair interpart por, ns.

LANSING/K.C. 'H' 4357(-2150)

LM; tan to lt brn, buff, oolitic, most small to med size molds, brittle, fair oomoldic w/some vug por, no fluor, no stn or odor, no gas kick

LM; lt brn, buff, scat gy cht, tite

SH; med to dk gy, platy, foss

LM; tan to cream, buff, foss w/scat small pellets/ooids, most well cem, poor interpart/p-p por, few pcs w/lt brn spotted stn, v. faint odor, looks tite

LM; tan to lt brn, scat foss mat, dense, interbdd amber to lt brn cht, no vis por, ns.

KANSAS CITY 'I' 4407(-2200)

LM; lt gy, lt brn, foss - finely pelletal, fair to gd interpart w/occ vug por, lt brn stn, SFO, few gas bubbles, gd odor, brite yel fluor, gd cut

DST #1: K.C. 'I' Zone 4398' - 4417' Corrected Depths to Log

LM; off wh, wh, fxln w/occ foss mat, much soft chalky and chalky mtz, poor interpart por, no fluor, no stn or odor, ns.

LM; tan, buff, foss ip, some fxln, fair interpart w/rare vug por, minor chalky mtz, no fluor, ns.

22 Unit Incr. Poss. Show

Recycle

Extractor off - readings unreliable

Change Extractor

Gas readings OK

3 Unit Incr.

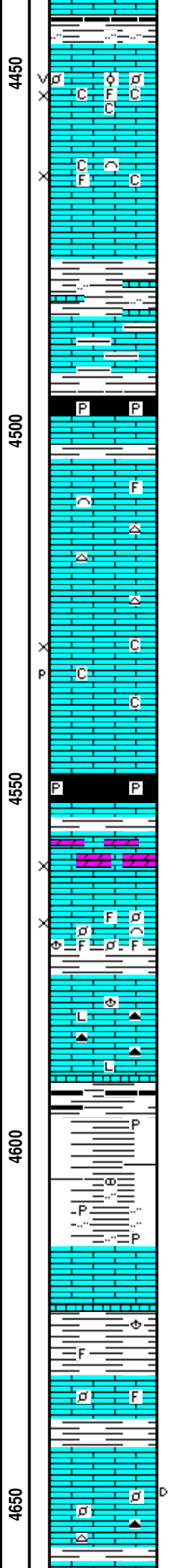
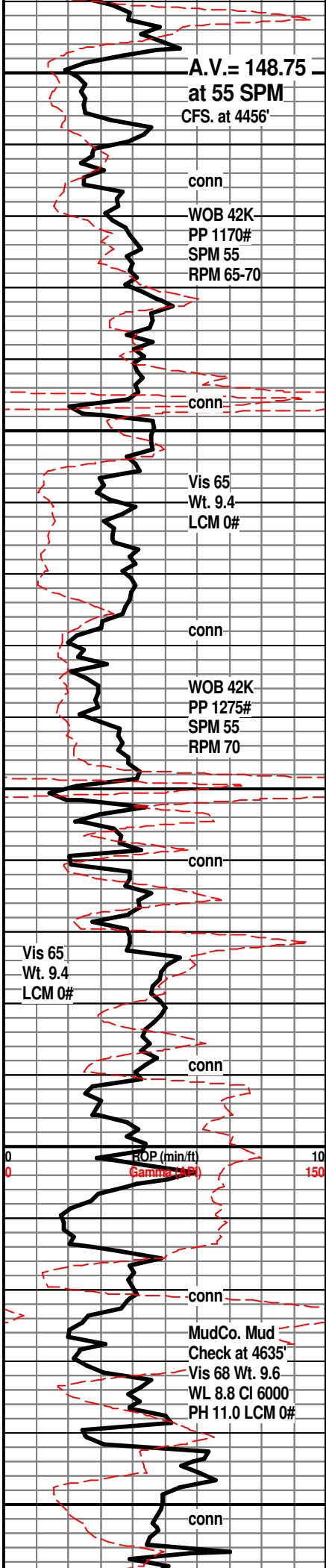
TG, C1-C5

20 Unit Incr. SHOW

B.U./Trip gas

Gas Test at Extractor

Boards B U



SH; dk gy, trc blk, gy grn, silty ip, platy
KANSAS CITY 'J' 4446(-2239)
 LM; tan to buff, foss w/scat pellets/ooids, soft chalky mtz, scat fair vug por, v. dull yel to no fluor, no vis stn, no odor, ns.

LM; tan to off wh, buff, fxln, rare foss mat, poor to fair interpart/interxln por, occ chalky mtz, no fluor, no stn or odor, ns.

SH; med gy, gy brn, lmy, some gritty, tite

LM; med to dk brn, gy brn, argil ip, tite

STARK SHALE 4495(-2288)
 SH; blk, carb ip, scat pyr, platy

SWOPE 4504(-2297)
 LM; lt gy, tan, buff, foss ip, most dense - well cem, scat spar calc xtals, no vis por, no fluor, occ wh to off wh cht, ns.

LM; tan to lt brn, off wh, fxln w/fair p-p and interxln por, scat soft chalky mtz, dull to lt yel fluor, no vis stn, no odor, no gas kick

LM; med brn, hd, micritic, tite

SH; blk, carb ip, scat pyr

HERTHA 4556(-2349)
 LM; tan to cream, buff, sucrosic text - dolomitic ip, soft, fair interxln por, lt yel min fluor, no vis stn, no odor, ns.

LM; med brn, cse xln w/abnt foss frags, trc poor interpart por, blocky, no vis por, ns.

LM; med to dk brn, most dense, occ smoky to dk gy/blk cht, litho ip, tite

BASE KANSAS CITY 4591(-2384)
 SH; med gy, grn, brn, trc blk, firm

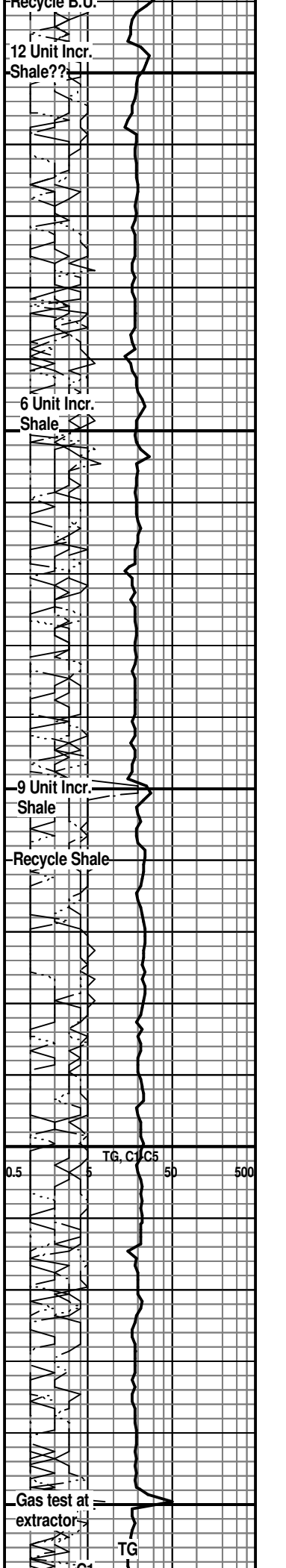
SH; maroon, rust brn, grn, platy, silty, occ pyr

PLEASANTON 4614(-2407)
 LM; lt gy, grn, lt brn, hd, micritic, no fluor, no stn or odor, ns.

SH; med to dk gy, gy grn, firm, occ foss

MARMATON 4632(-2425)
 LM; lt gy, lt gy brn, pale grn, hd, rare well cem foss, most micritic, tite

LM; tan to lt brn, foss ip w/scat small well cem pellets, occ blk tar/gils, no live shows, dull yel to no fluor, no odor, tite, interbdd amber to lt brn cht



A.V.= 148.95
at 55 SPM

conn
Vis 54
Wt. 9.3+
LCM 2#

conn

WOB 42K
PP 1250#
SPM 55
RPM 65-70

conn

R= Rough
Drilling

CFS. at 4759'

**DST #2
Cherokee -
Miss. Chert
4740' - 4796'
Corrected**

Vis 54
Wt. 9.4
LCM 2#

CFS. at 4804'
MudCo. Mud

ROP (min)
Gamma (A)
Check at 4804'
Vis 56 Wt. 9.4+
WL9.0 CI 4000
PH 10.5 LCM 2#

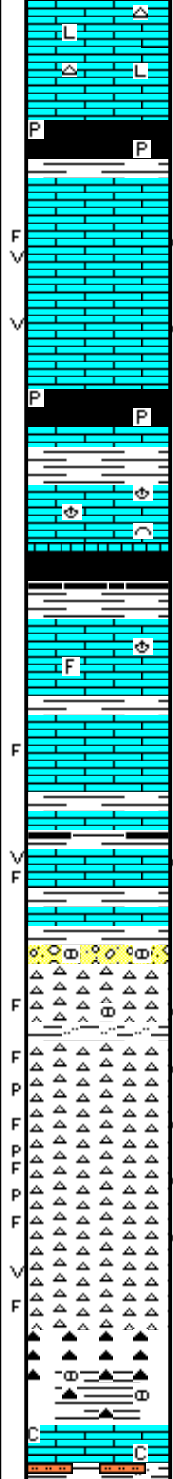
CFS. at RTD.

4700

4750

4800

4850



LM; lt to med brn, hd, litho - micritic, blocky, rare brn cht, no vis por, no fluor, ns.

SH; blk, v. dk gy, pyr ip.

PAWNEE 4678(-2471)

LM; tan to lt brn, fxln, scat fracs w/spar calc xtals, occ vug por w/live lt brn oil stn, med yel fluor, v. faint odor, weak cut

LM; lt to med brn, scat foss mat, occ rextalized vug por w/lt brn stn, poss fracs, v. faint odor, looks tite

SH; blk, carb, gassy, occ pyr

LM; med brn, hd, foss ip, well cem, no vis por, no fluor, ns.

CHEROKEE SHALE 4717(-2510)

SH; blk, carb ip, soft

LM; lt brn, fxln, rare foss, sev. pcs w/blk dead oil/gils flakes, no fluor, most tite, no live shows

LM; tan to lt brn, fxln, most dense, few pcs w/scat blk tar/gils, trc calc fld fracs, no live show, dull yel to no fluor, no gas kick

CHEROKEE LMST. 4748(-2541)

LM; tan, fxln, vug por w/live med brn stn, fracs w/edge stn, some gils, lt/med yel fluor, v. faint odor, fair/gd cut, few lt brn F.O. droplets

REWORKED MISS. 4760(-2553)

CHT; wh, opaque, fresh, fracs w/live edge stn, much blk tar/gils, faint odor, gas bubbles, some nodular rnd cht, grn gritty cht w/gas bubbles

CHT; wh, off wh, fresh and trip, fracs and fair p-p por, spotted lt brn oil stn, faint odor, scat brite yel fluor, no vis F.O., gas bubbles

CHT; wh, off wh, pred fresh, some weathered areas of tripolite w/p-p and rare vug por, fracs, rare brite yel fluor, faint odor, spotted live oil stn w/few gas bubbles

**DST #2: Cher/Miss. 4740' - 4796'
Corrected Depth to Log**

CHT; red, foss, fresh, varic shales, some grn cht nodules

LM; red brn, oxidized, some chalky mtx

KINDERHOOK SHALE 4812(-2605)

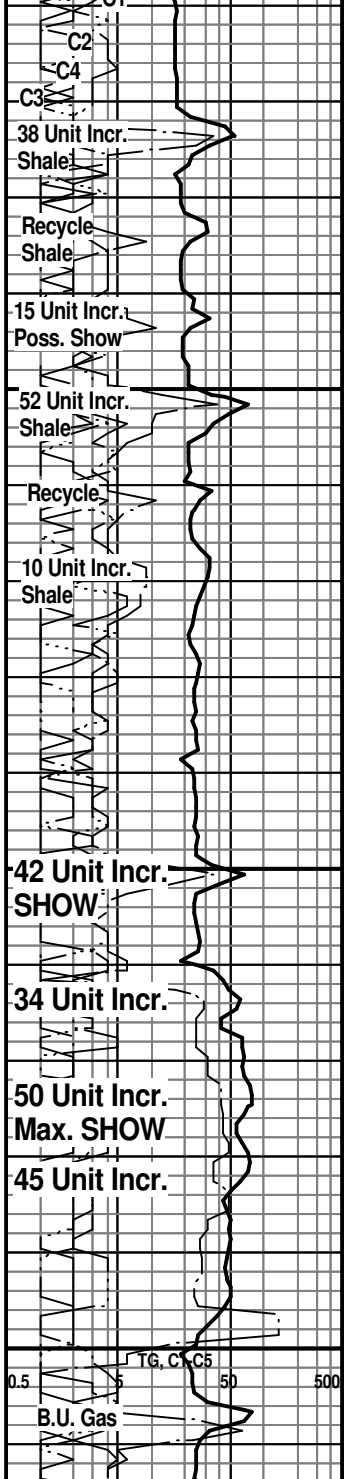
SH; med gy, gy grn, silty ip.

RTD. 4823' at 2:07 PM. 3/16/15

LTD. 4815'

Halliburton ACRT, NEU/DEN, Microlog

NOTE: This log was shifted upward by 5' to 8' for correlation purposes with the Halliburton Logs. Due to the Pipe Straps, it was determined that the Log TD. is correct.





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Herman L. Lob, LLC
 P.O.Box 838
 Lawrenceville Il. 62439
 ATTN: Jon Christensen

33-27s-18w Kiowa Ks.
Unruh #5-33
 Job Ticket: 59746 **DST#: 1**
 Test Start: 2015.03.14 @ 07:05:01

GENERAL INFORMATION:

Formation: **KC. I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:03:31
 Time Test Ended: 14:46:31
 Interval: **4404.00 ft (KB) To 4423.00 ft (KB) (TVD)**
 Total Depth: 4423.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 80
 Reference Elevations: 2207.00 ft (KB)
 2198.00 ft (CF)
 KB to GR/CF: 9.00 ft

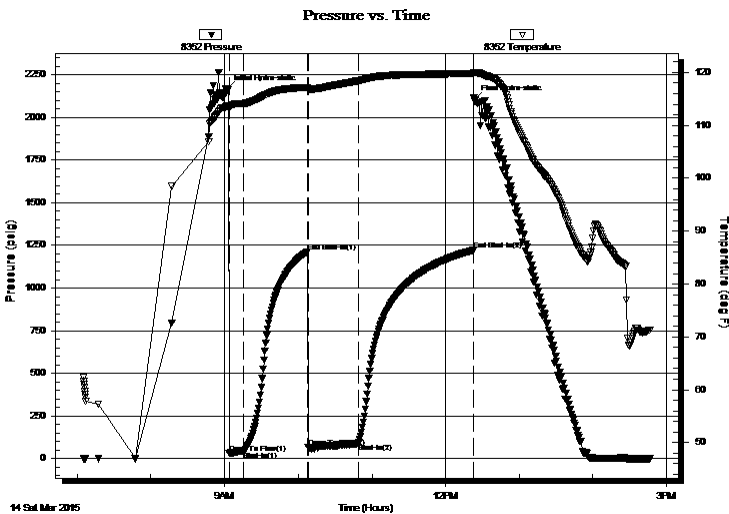
Serial #: 8352

Outside

Press @ Run Depth: 87.04 psig @ 4405.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.03.14 End Date: 2015.03.14 Last Calib.: 2015.03.14
 Start Time: 07:05:06 End Time: 14:46:30 Time On Btm: 2015.03.14 @ 09:02:01
 Time Off Btm: 2015.03.14 @ 12:23:31

TEST COMMENT: IF: Strong blow . B.O.B. in 6 1/2 mins.
 IS: Weak blow . 1/4 - 1/2". Dead in 25 mins.
 FF: Strong blow . B.O.B. in 5 mins.
 FS: Weak blow . 1/2 - 2".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2166.37	113.65	Initial Hydro-static
2	29.88	113.26	Open To Flow (1)
13	45.47	114.17	Shut-In(1)
66	1214.49	117.21	End Shut-In(1)
67	63.83	116.91	Open To Flow (2)
107	87.04	118.42	Shut-In(2)
201	1221.95	119.80	End Shut-In(2)
202	2103.86	119.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GM&OCW 30%g 7%o 24%o 39%w	0.61
0.00	Rw .11 ohms @ 68 deg	0.00
62.00	GOCM 24%g 14%o 62%o	0.30
0.00	960 ft of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Lob, LLC

33-27s-18w Kiowa Ks.

P.O.Box 838
Lawrenceville Il. 62439

Unruh #5-33

Job Ticket: 59746

DST#: 1

ATTN: Jon Christensen

Test Start: 2015.03.14 @ 07:05:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 72.00 sec/qt
Water Loss: 8.79 in³
Resistivity: 0.00 ohm.m
Salinity: 5000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 76000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GM&OCW 30%g 7%m 24%o 39%w	0.610
0.00	Rw .11 ohms @ 68 deg	0.000
62.00	GOCM 24%g 14%o 62%m	0.305
0.00	960 ft of GIP	0.000

Total Length: 186.00 ft Total Volume: 0.915 bbl

Num Fluid Samples: 0

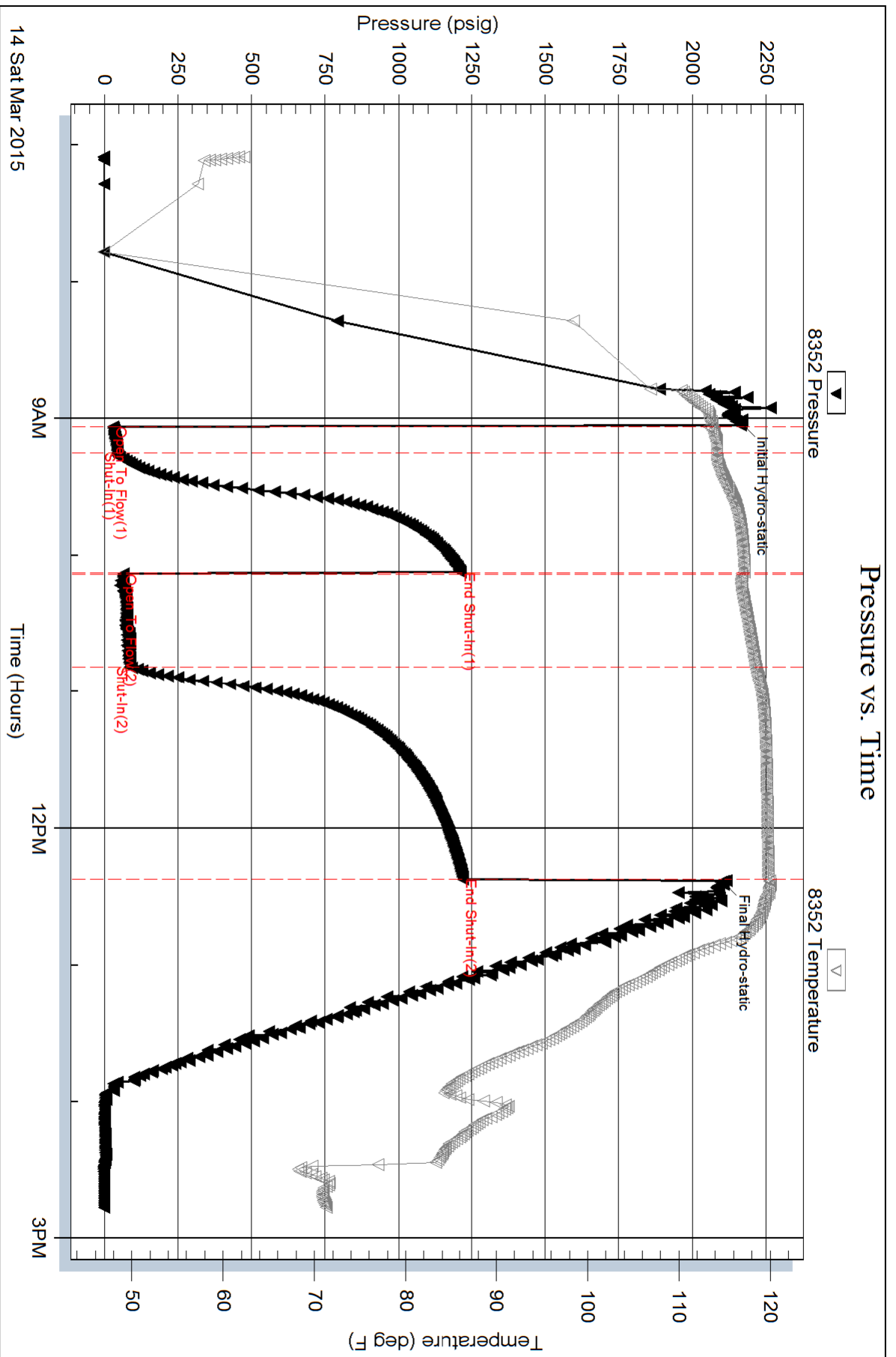
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Herman L. Loeb, LLC

33-27s-18w Kiowa KS

P.O.Box 838
Lawrenceville Il. 62439

Unruh #5-33

Job Ticket: 59747

DST#: 2

ATTN: Jon Christensen

Test Start: 2015.03.16 @ 01:56:45

GENERAL INFORMATION:

Formation: **Cherokee/ Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:45

Time Test Ended: 10:35:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 4748.00 ft (KB) To 4804.00 ft (KB) (TVD)

Reference Elevations: 2207.00 ft (KB)

Total Depth: 4804.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8370

Inside

Press@RunDepth: 28.38 psig @ 4749.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.16

End Date: 2015.03.16

Last Calib.: 2015.03.16

Start Time: 01:56:50

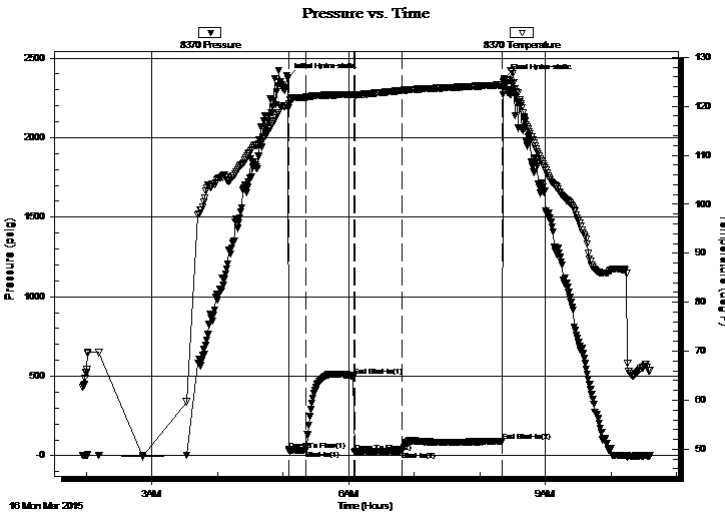
End Time: 10:35:45

Time On Btm: 2015.03.16 @ 05:04:15

Time Off Btm: 2015.03.16 @ 08:22:15

TEST COMMENT: IF: Strong blow . B.O.B. in 25 secs.
IS: Strong blow ; B.O.B.
FF: Strong blow . B.O.B. in 2 - 3 secs. GTS in 321 mins. TSTM
FS: Strong blow . B.O.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2377.03	120.15	Initial Hydro-static
2	32.56	120.47	Open To Flow (1)
17	34.67	121.83	Shut-In(1)
61	502.90	122.46	End Shut-In(1)
62	24.02	122.21	Open To Flow (2)
105	28.38	123.22	Shut-In(2)
197	92.70	124.39	End Shut-In(2)
198	2371.20	125.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drig.mud	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC

33-27s-18w Kiowa KS

P.O.Box 838
Lawrenceville IL 62439

Unruh #5-33

Job Ticket: 59747

DST#: 2

ATTN: Jon Christensen

Test Start: 2015.03.16 @ 01:56:45

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:

6000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	Drilg.mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

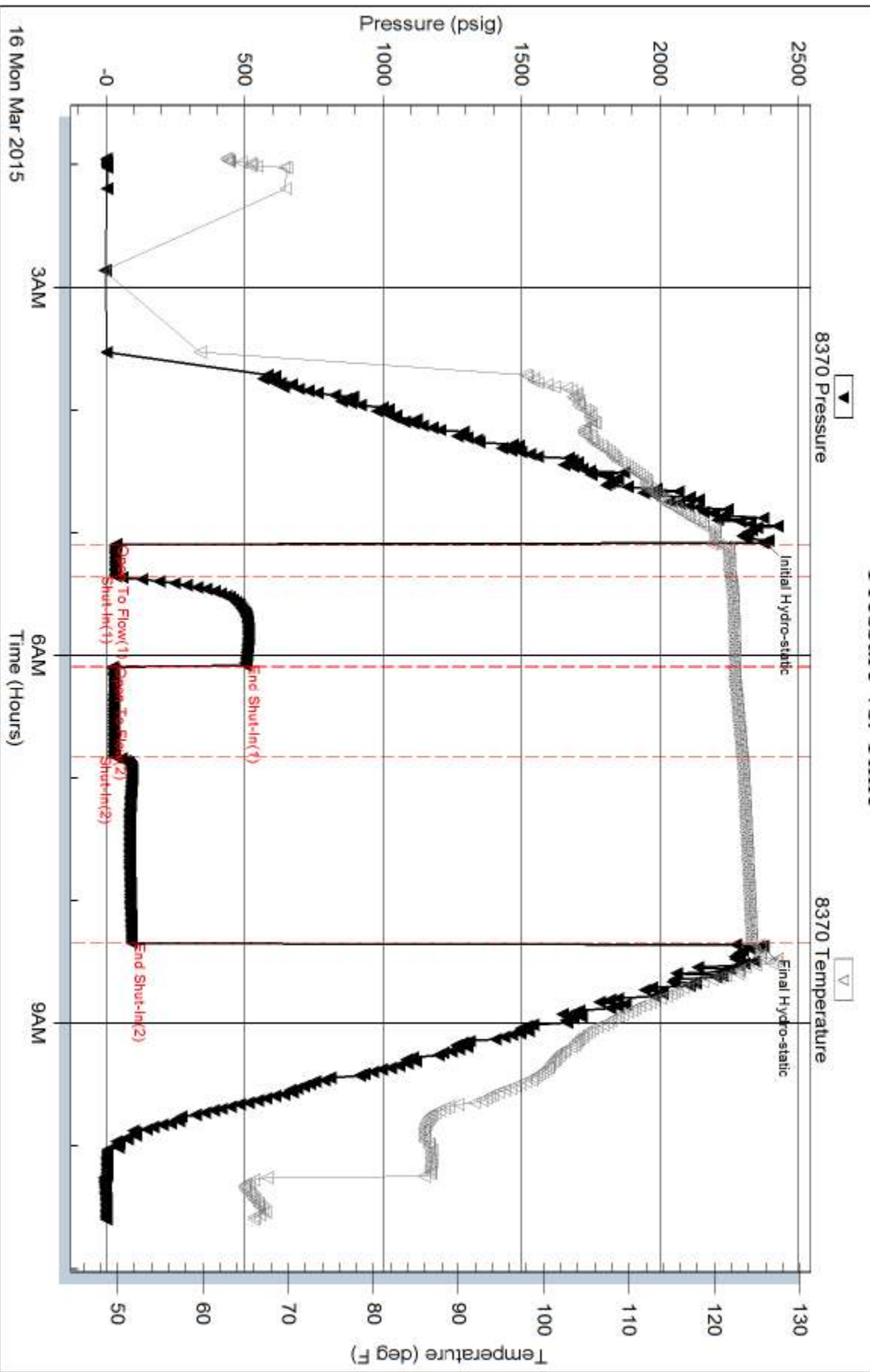
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





2076
771unruh
9438

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1007589	1718	03/12/2015
INVOICE NUMBER			
91753074			

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 Unruh 5-33
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40822729	20920		Net - 30 days	04/11/2015

For Service Dates: 03/10/2015 to 03/10/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0040822729				
171811508A Cement-New Well Casing/Pi 03/10/2015				
Cement 8 5/8 Surface				
A-Con Blend Common	200.00	EA	10.80	2,160.00 T
Common Cement	200.00	EA	9.60	1,920.00 T
Celloflake	100.00	EA	2.22	222.00 T
Calcium Chloride	940.00	EA	0.63	592.20 T
Sugar	250.00	EA	3.00	750.00 T
"8 5/8" Guide Shoe (Red)"	1.00	EA	330.00	330.00
"Baffle Plate Alum., 8 5/8" (Blue)"	1.00	EA	102.00	102.00
"8 5/8" Basket (Blue)"	1.00	EA	189.00	189.00
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	135.00	135.00
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	2.70	94.50
Heavy Equipment Mileage	70.00	MI	4.50	315.00
"Proppant & Bulk Del. Chgs., per ton mil	658.00	EA	1.50	987.00
Depth Charge; 501'-1000'	1.00	EA	720.00	720.00
Blending & Mixing Service Charge	400.00	BAG	0.84	336.00
Plug Container Util. Chg.	1.00	EA	150.00	150.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	105.00	105.00

PAID

MAR 19 2015

SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,107.70
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	403.56
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	9,511.26
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

FIELD SERVICE TICKET
1718 11508 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>03-10-15</u> DISTRICT <u>PRATT KS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER <u>HERMAN LOEB</u>		LEASE <u>UNRUH</u> <u>5-33</u> WELL NO.						
ADDRESS _____		COUNTY <u>KIOWA</u> STATE <u>KS</u>						
CITY _____ STATE _____		SERVICE CREW <u>Sullivan, Ernst, Brady</u>						
AUTHORIZED BY _____		JOB TYPE: <u>CNW 8 3/4 Surface</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>03-10-15</u> DATE	AM	TIME
							PM	<u>2:30</u>
<u>20920</u>	<u>45</u>					ARRIVED AT JOB	AM	<u>5:00</u>
<u>19862</u>	<u>30</u>					START OPERATION	AM	<u>7:45</u>
						FINISH OPERATION	AM	<u>8:30</u>
						RELEASED	PM	<u>8:30</u>
						MILES FROM STATION TO WELL		<u>35</u>

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

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

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-COM CMT	SK	200		3,600 00
CP 100-C	COMMON CMT	SK	200		3,200 00
CE 102	CEMENT	LB	100		370 00
CC 109	Calcium chloride	LB	940		987 00
CF 105	TOP RUBBER PLY 8 3/8	SA	1		225 00
CF 203	GUIDE SHOCK	SA	1		550 00
CF 753	BATTLE MATE	SA	1		170 00
CF 1903	BASKET	SA	1		315 00
CC 131	SUGAR	LB	250		1,250 00
E 100	PIPELINE	M	35		157 50
E 101	HEADS ECT NO	M	70		525 00
E 113	BULK PUMP	TM	658		1,645 00
CE 201	DEPTH CLING 500'-4,000'	SA	1		1,200 00
CE 240	BLENDED MIXING	SK	400		560 00
CE 504	PLY CONTAIN PULV	SA	1		250 00
SOU 3	SOLVENT SUPERIOR	SA	1		175 00
SUB TOTAL					15,179.50

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
Disc'd TOTAL		9,107.70

SERVICE REPRESENTATIVE Robert [Signature]

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

FIELD SERVICE ORDER NO. _____

Customer <i>HERMAN LOEB</i>	Lease No.	Date <i>03-10-15</i>
Lease <i>UNRUH</i>	Well # <i>3-33</i>	
Field Order # <i>11509</i>	Station <i>PRATT</i>	Casing <i>8 5/8"</i>
Type Job <i>ENW 8 5/8" Surface</i>	Depth <i>346'</i>	County <i>MIOWA</i>
	Formation	State <i>KS</i>
		Legal Description <i>33-27-18</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8"</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth <i>346'</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>32</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>350</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>304'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative: _____ Station Manager: *DAVE SCOTT* Treater: *Robert Jellison*

Service Units	<i>37900</i>	<i>33708</i>	<i>27920</i>	<i>19960</i>	<i>19862</i>				
Driver Names	<i>Kulland</i>	<i>CRIST</i>	<i>Beachy</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>5:00</i>					<i>on loc</i>
<i>7:25</i>					<i>Run 8 5/8" csg.</i>
<i>7:35</i>					<i>CASING ON BOTTOM</i>
<i>7:45</i>			<i>3</i>	<i>3</i>	<i>Hook in circ</i>
			<i>3</i>	<i>3</i>	<i>11 SPHER</i>
	<i>300</i>		<i>88</i>	<i>4.5</i>	<i>mix A-con cement 200sk 3%cc 1/4" of</i>
			<i>42</i>		<i>mix tail cement 200sk 2%cc 1/4" of</i>
					<i>cmt mixing shut down</i>
					<i>Below Plug</i>
				<i>4.5</i>	<i>11 Perp</i>
<i>8:30</i>	<i>550</i>		<i>32</i>		<i>plug down</i>
					<i>circ 15 BOL pit</i>
					<i>302 complete</i>
					<i>Thank</i>



6076
Tilunruh
9438

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	100758	1718	03/18/2015
INVOICE NUMBER			
91758958			

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 Unruh 5-33
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
40824652	19905		Net - 30 days	04/17/2015

For Service Dates: 03/17/2015 to 03/17/2015

0040824652

171811935A Cement-New Well Casing/Pi 03/17/2015
Cement 5 1/2" Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
50/50 POZ	250.00	EA	6.60	1,649.90
Celloflake	63.00	EA	2.22	139.85
Gypsum	1,050.00	EA	0.45	472.46
FLA-322	105.00	EA	4.50	472.46
Gilsonite	1,500.00	EA	0.40	602.95
KCL, Potassium Chloride	566.00	EA	0.90	509.36
Claymax KCL Substitute	5.00	EA	21.00	104.99
Sugar	50.00	EA	3.00	149.99
Mud Flush	1,000.00	EA	0.90	899.93
"Latch Down Plug & Baffle, 5 1/2" (Biu	1.00	EA	239.98	239.98
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	215.98	215.98
"Turbolizer, 5 1/2" (Blue)"	12.00	EA	66.00	791.94
"5 1/2" Basket (Blue)"	2.00	EA	173.99	347.97
"Cement Scratchers Cable Type, 5 1/2" "	8.00	EA	45.00	359.97
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	2.70	94.49
Heavy Equipment Mileage	70.00	MI	4.50	314.98
"Proppant & Bulk Del. Chgs., per ton mil	368.00	EA	1.50	551.96
Depth Charge; 4001'-5000'	1.00	EA	1,511.89	1,511.89
Blending & Mixing Service Charge	250.00	BAG	0.84	209.98
Plug Container Util. Chg.	1.00	EA	149.99	149.99
"Service Supervisor, first 8 hrs on loc.	1.00	EA	104.99	104.99

PAID
57526
MAR 23 2015

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,896.01
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	357.64
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,253.65
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

FIELD SERVICE TICKET

1718 11935 A

33-275-18w

DATE _____ TICKET NO. _____

DATE OF JOB 3-17-15	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 Heriman L. Loeb		LEASE Unruh				WELL NO. 533				
ADDRESS		COUNTY Kiowa		STATE Ks						
CITY		STATE		SERVICE CREW MATTAL, McGraw, Hanson						
AUTHORIZED BY		JOB TYPE: Cnw 5/8 Long string								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
19905	.5						3-16-15			11:00
						ARRIVED AT JOB	3-17-15			5:00
						START OPERATION				2:09
19862	.25					FINISH OPERATION				3:05
						RELEASED				4:00
						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:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP104	50/50 POZ	SK	200		2,200.00
CP 104	50/50 POZ	SK	50		550.00
CC 102	celloflax	lb	63		233.10
CC 113	gypsum	lb	1050		787.50
CC 129	F/A-322	lb	105		787.50
CC 201	Gilsinite	lb	1500		1,005.00
C 700	KCl	lb	566		849.00
C 607	1/4" Down Plug + baggie	EA	1		400.00
CC 1251	AutoFill Klear shoe	EA	1		360.00
CF 1651	Turbolizer	EA	12		1,320.00
CF 1901	BASKET	EA	2		580.00
CF 2001	cmi scrapper cable type	EA	8		600.00
C 704	CLAY MAX	gal	5		175.00
CC 131	SUGAR	lb	50		250.00
CC 151	MUDFLOST	gal	1000		1,500.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL

66

SERVICE REPRESENTATIVE
Mike Mattal

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

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 ~~11930~~ **A**
Continuation of

CONTINUATION OF 11935

DATE TICKET NO. **1718 11935A**

DATE OF JOB 3-17-15	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 Heiman L. Lueb		LEASE Unruh	WELL NO. 5-33							
ADDRESS		COUNTY Kiowa	STATE Ks							
CITY	STATE	SERVICE CREW Mattal, McGraw & Hanson								
AUTHORIZED BY		JOB TYPE: ANN - LOW STRONG								
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
E 100	P.M. miles	mi	35		157.50
E 101	Heavy eq. miles	mi	70		525.00
E 113	Prod + bulk deli	TM	368		918.75
cc 205	Depth charge 4001-5000'	4hr	1		2,520.00
cc 240	Blend + mix charge	SK	250		350.00
cc 504	Plug container	Job	1		250.00
5003	Supervisor	ea	1		175.00

SUB TOTAL **16,439.35**

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		9,896.01

Discounted Total

SERVICE REPRESENTATIVE **Mike Mattal**

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

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

Customer: Herman L. Loeb		Lease No.:		Date: 3-17-15	
Lease: Unruh		Well #: 5-33			
Field Order #: 11935	Station: Pratt	Casing: 5 1/2	Depth: 4817	County: KIOWA	State: KY
Type Job: CNW 5 1/2 long string			Formation:	Legal Description: 33-275-18W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size:	Shots/Ft:		Acid: 250 SKS 50/50 POZ	RATE:	PRESS: Loeb 11000	ISIP:	
Depth: 4817	Depth:	From:	To:	Pre Pad:	Max:		5 Min.	
Volume: 114.6	Volume:	From:	To:	Pad:	Min:		10 Min.	
Max Press: 1500	Max Press:	From:	To:	Frac: =	Avg:		15 Min.	
Well Connection:	Annulus Vol.:	From:	To:		HHP Used:		Annulus Pressure:	
Plug Depth: 4809	Packer Depth:	From:	To:	Flush: 114.6	Gas Volume:		Total Load:	

Customer Representative: Michael Polley	Station Manager: Kevin Goraloy	Treater: MIKE MATTA
--	---------------------------------------	----------------------------

Service Units: 37586	77686	19905	19860	19862				
Driver Names: MATTA	M. Graw		HANSON					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00					ON location / Safety Meeting
10:10					Run 5 1/2 15.5" casing Baskets on #3 + 9
					tubing on 1, 2, 7, 4, 6, 8, 10, 12, 16, 20, 24, 28
					Break circ @ 40 + 80 joints in
12:55					casing on bottom
1:05					Hook to casing / Break circ w. Rig
2:09	300		5	5.5	PUMP 5 BBL water
2:10	300		24	5.5	Pump 24 BBL mud FLUSH
2:13	300		5	5.5	PUMP 5 BBL water
2:14	400		48	5.5	Mix 200 SKS 50/50 POZ @ 14"
2:24			4	3	WASH PUMP + LINES / release Plug
2:27	200			6.5	START 2% Kcl Displacement
2:40	350		80	6	LIFT Pressure
2:44	450		104	3	slow rate, 1000
2:47	1500		114.6		Plug DOWN, release + kill
2:55			7.5		Plug CAT + mouse hole
					Circulating thru job
					JOB COMPLETE
					Thank You!
					MIKE MATTA
					MIKE + JOSH