

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1246049
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: _____

1246049

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> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	YOST 2-28
Doc ID	1246049

Tops

Name	Top	Datum
Chase	2453	-228
Heebner	4051	-1826
Lansing 'A'	4213	-1988
Kansas City 'I'	4419	-2194
Kansas City 'J'	4461	-2236
BKC	4603	-2378
Cherokee Shale	4732	-2507
Miss Chert	4780	-2555
Kinderhook SH	4820	-2595

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Yost #2-28
Location: 1866' FSL & 549' FWL, Sec. 28-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21816-00-00 Region: Einsel
Spud Date: 3/23/2015 Drilling Completed: 3/30/15
Surface Coordinates: 1866' FSL & 549' FWL, Sec. 28-T27S-R18W

Bottom Hole Same as Above
Coordinates:
Ground Elevation (ft): 2212' K.B. Elevation (ft): 2225'
Logged Interval (ft): 3900' To: 4840' Total Depth (ft): 4840'
Formation: Kinderhook Shale at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3287'; Chemical Gel 3287' to 4840'

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) 4413' - 4431'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Fair to Strong Blow BOB/7.5 Min., FFP Strong Blow BOB/Immed, no Gas to Surface, 2" Blowback on FSI; REC: 3368' Gas in Pipe, 20' GOCWM(29%G, 34%O, 3%W, 34%M), 60' GOCWM(50%G, 35%O, 10%W, 5%M), CI 5100, Mud 5100; IFP 16-25#, ISIP 1331#, FFP 20-40#, FSIP 1353#, IHP 2193#, FHP 2274#, BHT 114 Deg. F.

DST #2(Kansas City 'J' zone) 4455' - 4470'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow Gas to Surface in 10 Min., Gauged Max. 105.9 MCFG/15" of IFP, FFP Gas to Surface throughout, BOB Blowback on both SI's; REC: 3456' CGO(Est. 60%G, 40%O), 61' Drlg. Mud, NO WATER, Dropped Bar and broke Circ. Sub pin, reversed approx. 15 BBL oil to tanker; IFP 102-153#, ISIP 1281#, FFP 360-671#, FSIP Invalid due to Shut-in tool malfunction, IHP 2213#, FHP 2218#, BHT 124 Deg. F.

DST #3(Miss. Chert) 4756' - 4806'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/1 Min., 1" Blowback on ISI, FFP Strong Blow Gas to Surface in 10 Min. Gauged 38.7 MCFG in 45 Min. of FFP(10# on a 0.25" Choke), No Blowback on FSI; REC: 40' GCM with oil specks(5%G, 95%M), no water; IFP 42-50#, ISIP 1338#, FFP 39-46#, FSIP 1336#, IHP 2525#, FHP 2373#, BHT 121 Deg. F.

Comments

3/23/15 MIRU Sterling Drilling Co. Rig #5, Spud at 6:15 PM. , 3/24/15 TD. 553' - Cementing Surface Casing; 3/25/15 Drilling at 1500'; 3/26/15 Drilling at 3545'; 3/27/15 Drilling at 4300'; 3/28/15 TD. 4434' - TIH/CCH after DST #1; 3/29/15 Drilling at 4555'; 3/30/15 TD. 4810' - Make up Test tool for DST #3, Reached Total Depth of 4840' at 6:35 PM.; 3/31/15 RTD. 4840', LTD. 4839' - Logging, set 5 1/2" Production Casing.

Set new 8 5/8"(24#) Surface Casing at 549' KB. with 550 sacks cement(Basic Energy Services). Cement did Circulate. PD. at 10:30 AM. on 3/24/15.

Set new and used 5 1/2"(15.5#) Production Casing at 4836' with 200 sacks of "Loeb Blend" cement(Basic Energy Services). PD. at 9:30 PM. on 3/31/15.

Surveys: 0.50 Deg. at 553'(Surface Casing); 2.0 Deg. at 4211'(Bit Trip); 2.0 Deg. at 4434'(DST #1); 1.0 Deg. at 4810'(DST #3).


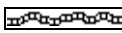
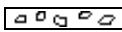
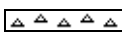
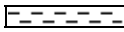







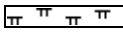

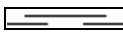
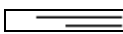
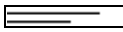



Pipe Strap at 4211'(Bit Trip): Strap 0.10' Short to the Board, no correction made to the Board.

After review of the Halliburton Logs, DST data, and positive indications of commercially recoverable hydrocarbons, the operator elected to set 5 1/2" Production Casing for completion in the Miss. Chert, and Kansas City 'I' and 'J' zones.







































































LOG TOPS: Chase 2453(-228), Stotler Lmst. 3404(-1179), Howard 3608(-1383), Heebner Shale 4051(-1826), Toronto 4066(-1841), Brown Lmst. 4204(-1979), Lansing 'A' 4213(-1988), Kansas City 'I' 4419(-2194), Kansas City 'J' 4461(-2236), Stark Shale 4512(-2287), Hertha 4572(-2347), Base Kansas City 4603(-2378), Marmaton 4643(-2418), Cherokee Shale 4732(-2507), Miss. Chert 4780(-2555), Kinderhook Shale 4820(-2595).

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

ROCK TYPES

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

MINERAL  Anhy  Arggrn  Arg  Bent  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

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

[V] Vuggy

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

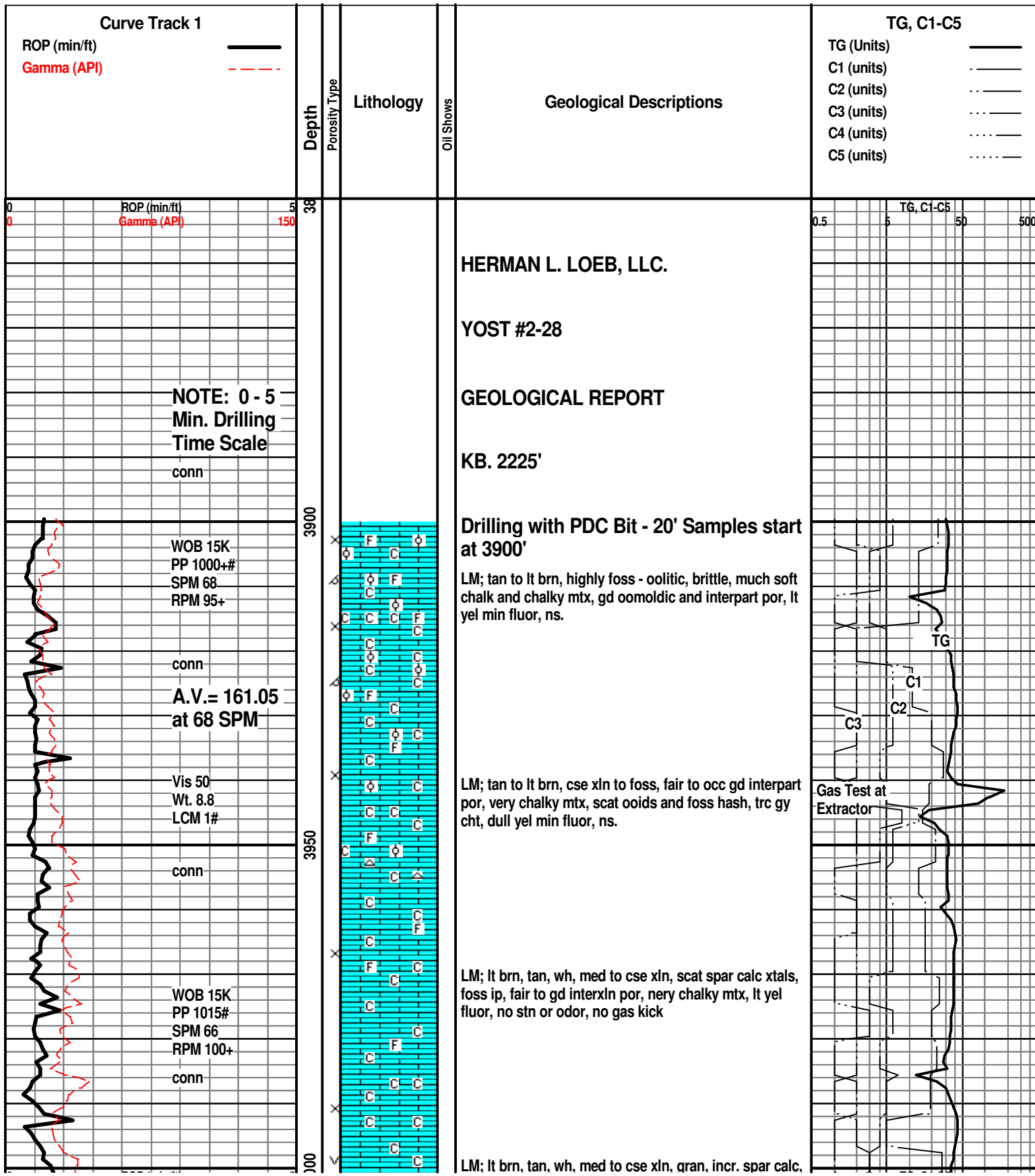
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

OIL SHOW
 [●] Even

- [●] Spotted
 [○] Ques
 [D] Dead

- INTERVAL**
 [■] Core
 [□] Dst

- EVENT**
 [▽] Rft
 [▲] Sidewall



NOTE: 0 - 5 Min. Drilling Time Scale

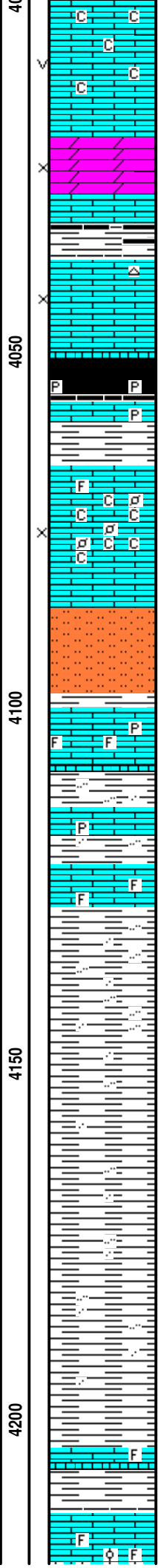
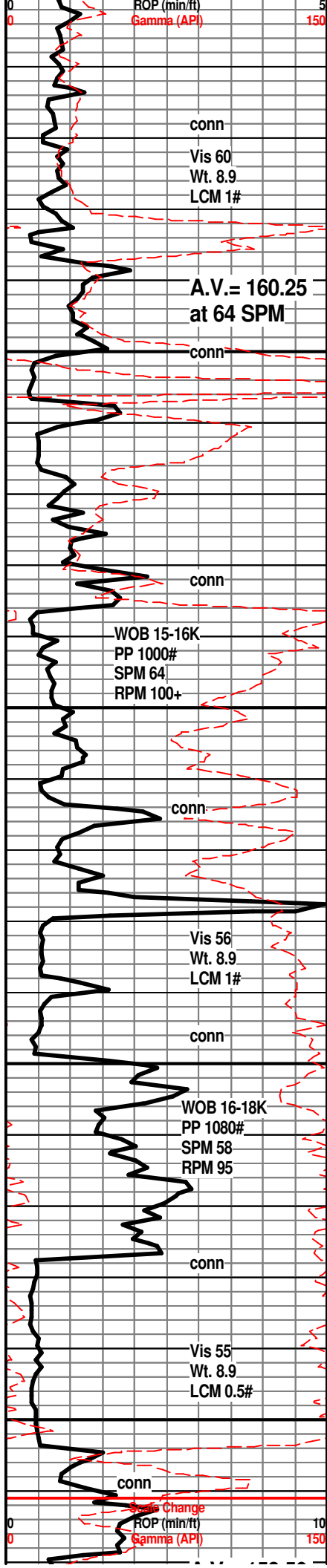
WOB 15K
PP 1000+#
SPM 68
RPM 95+

A.V.= 161.05 at 68 SPM

Vis 50
Wt. 8.8
LCM 1#

WOB 15K
PP 1015#
SPM 66
RPM 100+

Gas Test at Extractor



scat vul por, very chalky, lt yel min fluor, ns.

DOL; tan to lt brn, sucrosic, fair interxln por, lt yel fluor, no stn or odor, ns.

SH; dk gy - blk, carb ip, platy

LM; lt to med brn, fxl, most dense, rare interxln por, trc lt gy cht, dull yel fluor, ns.

HEEBNER SHALE 4051(-1826)
 SH; blk, carb, pyr ip.
 LM; med to dk brn, pyr ip, hd.

TORONTO 4066(-1841)
 LM; off wh, wh, lt gy, fxl w/scat foss - small pellets, much soft chalk and chalky mtx, poor to fair interpart/interxln por, no vis stn, no odor, ns.

DOUGLAS SHALE 4086(-1861)
 SLTST; lt gy, mica, sandy ip, soft

LM; med brn, foss ip, hd, no vis por, occ pyr, ns.

SH; lt to med gy, silty to sandy, occ mica

LM; lt to med brn, blocky, occ pyr, tite

LM; med gy, med brn, dense, foss ip, well cem, tite

PLUGGED BIT JETS

SH; lt to med gy, platy, silty to sandy, firm

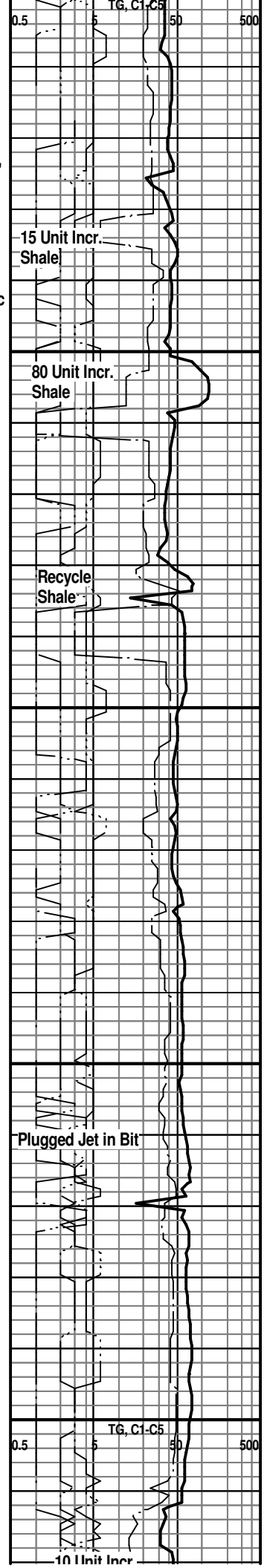
SH; lt to med gy, platy, silty to occ sandy

SH; med gy, platy, smooth

BROWN LMST 4204(-1979)
 LM; med brn, hd, foss ip, tite

BIT TRIP AT 4211'

LANSING 'A' 4213(-1988)
 LM; lt brn, lt gy brn, foss - partly oolitic, most well cem,



A.V.= 153.50
at 58 SPM

conn

WOB 42K
PP 930#
SPM 59
RPM 70

conn

MudCo. Mud
Check at 4284'
Vis 52 Wt. 9.1
WL 8.8 Cl 5100
PH 9.5 LCM 1#

conn

WOB 40-42K
PP 960#
SPM 60
RPM 70

conn

Vis 55
Wt. 9.2+
LCM 1#

conn

WOB 40K
PP 990#
SPM 60
RPM 72

conn

ROP (min/ft)
Gamma (A) A.V.= 153.75
at 60 SPM

DST #1
K.C. "I"
4413' - 4431'
Corrected
CFS. at 4431'

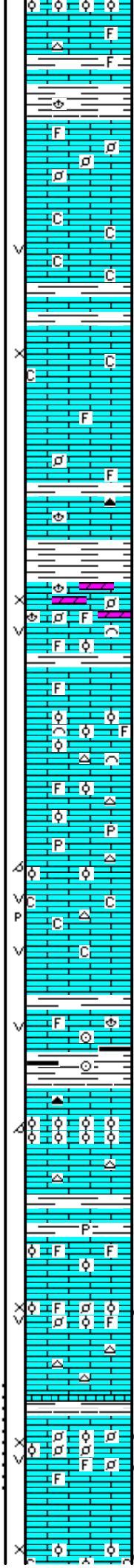
A.V. = 152.00

4250

4300

4350

4400



blocky, poor interpart por, trc poor oomoldic por, lt yel fluor, no stn or odor

SH; med gy, grn, foss ip.

LANSING 'B' 4237(-2012)

LM; tan to off wh, buff, foss w/scat small pellets, most well cem, occ cse spar calc xtals, dull yel fluor, poor to no vis por, no gas kick

LM; lt gy, lt gy brn, med xln ip, scat fair vug por, occ chalky mtx, some rextalized, lt yel min fluor, no stn or odor, ns.

LM; tan to buff, fxln w/fair to gd interxln por, soft, minor chalky mtx, no fluor, no stn or odor, ns.

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

LM; med to dk brn, foss ip, hd, rare dk gy cht

LM; tan to lt brn, buff, foss w/scat dolomitic lmst interbdd, fair to occ gd interpart and vug por, rare oolitic lmst, lt yel fluor, no vis stn, no odor, no gas kick

LM; tan to lt brn, buff, foss ip - well cem ooids and occ hash, interbdd off wh foss cht, minor chalky mtx, no fluor, ns.

LM; off wh, buff, lt gy, fxln, foss w/scat oolitic lmst, fair p-p and occ fair vug por, minor chalky mtx, no fluor, no stn, ns.

LM; med brn, foss ip, scat gd vug por, lt yel fluor, no stn or odor, no gas kick, ns.
SH; dk gy, some blk, platy, foss ip.

LANSING/K.C. 'H' 4373(-2148)

LM; lt brn, oolitic, small to med size molds, gd oomoldic por, brittle ip, dull yel fluor, no stn or odor, no gas kick, barren

SH; med gy, grn, platy, occ pyr

LM; tan to lt brn, foss - partly oolitic, upper zone has no show, lower break has spotted lt brn stn, fair/gd odor when broken, fair interpart w/scat vug por, med yel fluor, fair/gd cut

LM; tan to lt brn, dense, scat gy cht, tite

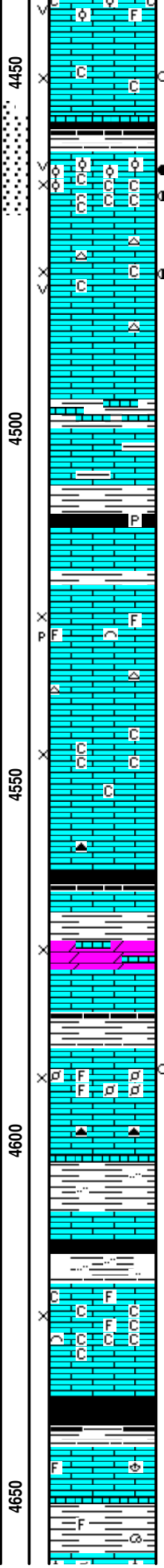
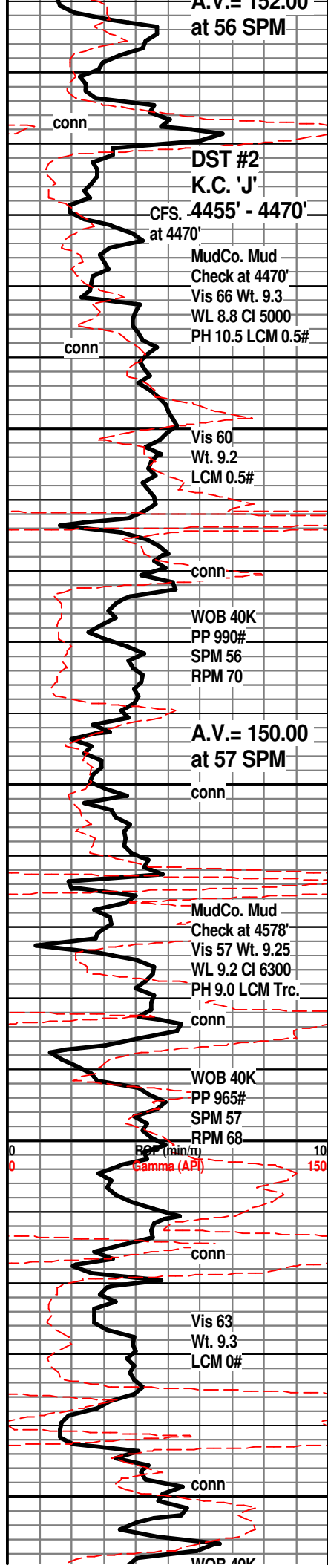
KANSAS CITY 'I' 4419(-2194)

LM; lt brn, tan, foss - some finely pelletal, fair to rarely gd interpart por, some vug por, minor chalky mtx, mostly spotted lt brn stn, gd odor, scat brite yel fluor, SSFO, trc gas bubbles

DST #1: Kansas City 'I' 4413' - 4431'

LM; off wh, wh, foss - finely oolitic, gd interpart w/scat vug por, few pcs w/live oil stn and trc. F.O. most barren





veg por, low pos white on stn and trc. P.C., most barren por, lt yel fluor, gas odor from gassy mud, minor chalky mtx

LM; med xln, rare foss mat, fair interpart por, minor chalky mtx, poss. show from upper zone, questionable faint odor, most barren por

KANSAS CITY 'J' 4461(-2236)
LM; lt brn, foss - oolitic, scat vug w/fair interpart por, much brite yel fluor, fair odor, some chalky mtx - some chalk with fluor, SFO, gas bubbles

DST #2: K.C. 'J' 4455' - 4470' Corrected Depths to Log
LM; off wh, buff, f to med xln, fair interxln w/scat vug por, trc lt brn spotted oil stn, poss. faint odor, minor chalky mtx, dull yel fluor, occ wh to off wh cht, no cut

SH; med gy brn, lmy w/interbdd shaly lmst

LM; med gy brn, hd, blocky, tite, some argil

STARK SHALE 4512(-2287)
SH; blk, carb ip, rare pyr

SWOPE 4522(-2297)
LM; tan to buff, off wh, foss ip, poor vis interpart w/rare poor p-p por, no fluor, no stn odor, no sample shows

LM; off wh, buff, tan, med xln, fair interxln por ip, scat soft chalky mtx, occ spar calc xtals, dull yel to no fluor, no vis stn, no odor, ns.

LM; med to dk brn, hd, micritic, trc amber cht

SH; blk, carb ip, platy

HERTHA 4572(-2347)
DOL LMST; off wh, buff, sucrosic ip, soft, fair interxln por, some chalky mtx, dull yel fluor, no stn or odor, ns.

LM; med brn, foss - finely pelletal, fair interpart por, dull yel fluor, quest. gas bubbles, trc rainbow show, no odor, some very tight litho lmst w/dk gy cht

BASE KANSAS CITY 4603(-2378)
SH; med gy, gy grn, maroon, silty ip.

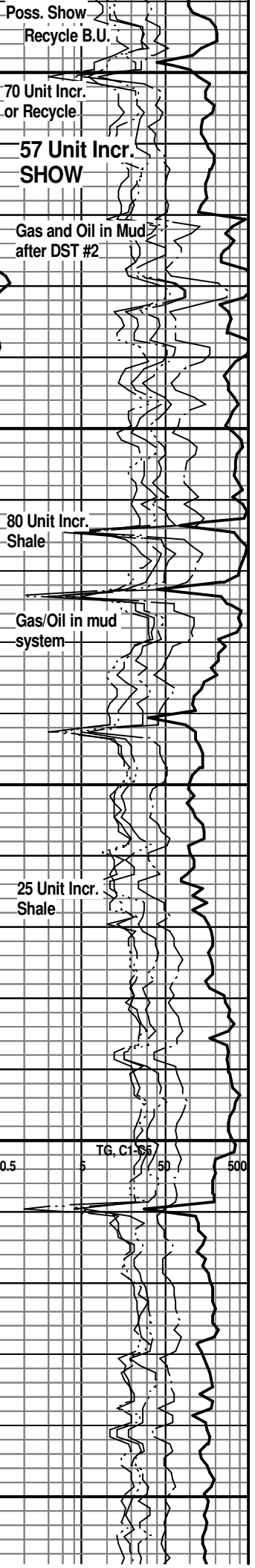
LM; med gy, hd, blocky, tite

PLEASANTON 4619(-2394)
LM; off wh, tan, buff, foss ip, occ med xln, trc poor interpart/interxln por, much wh soft chalk and chalky mtx, lt yel fluor, no stn or odor, no apparent gas kick

SH; dk gy - blk, platy, smooth

MARMATON 4643(-2418)
LM; lt brn, occ pale grn tint, foss ip, tite

SH; med gy grn, platy, foss ip



WOB 40K
PP 1025#
SPM 57
RPM 73

conn

Vis 63
Wt. 9.3
LCM 1.5#
conn

A.V.= 150.00
at 56 SPM

conn

Vis 58
Wt. 9.4
LCM 2#

conn
CFS. at 4775'
DST #3
Miss. Chert
4756' - 4806'
Corrected
Depths to
Log

ROP (min/ft)
Gamma (AP)
CFS. at 4806'

Vis 62
Wt. 9.2
LCM 2#

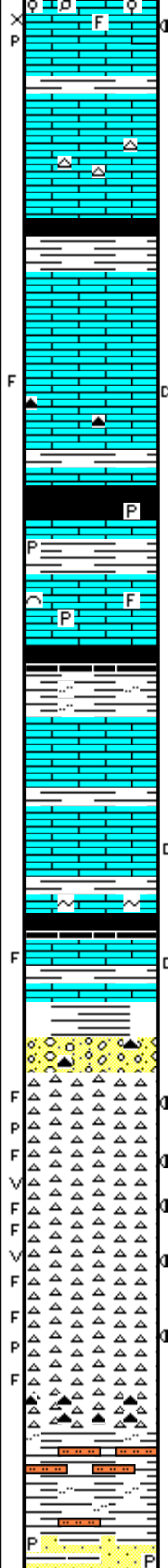
CFS. at RTD.

4700

4750

4800

4850



LM; tan, buff, lt brn, foss partly oolitic, well cem, w/fxln lmst, dk brn spotted oil stn, med yel fluor, poor p-p and interxln por, faint odor, fair to gd cut when crushed

LM; med brn, hd, blocky, micritic, scat gy cht, no vis por, scat lt yel fluor, ns.

SH; dk gy, blk, platy
PAWNEE 4690(-2465)

LM; tan to lt brn, dense, most micritic, lt yel min fluor only, no stn or odor, tite, ns.

LM; lt to med brn, most dense, litho ip, scat amber to brn cht, few pcs w/blk tar/gils on edges, frags, lt yel fluor in some, no live shows

SH; blk, carb, gassy, pyr ip.

LM; tan to lt brn, hd, pyr ip, rare foss mat, no vis por, no fluor, ns.

CHEROKEE SHALE 4732(-2507)

SH; blk, med gy grn, platy, occ silty

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

LM; tan to buff, lt brn, fxln ip, most micritic, hd, rare blk tar/gils, no vis por, no fluor, ns, interbdd speckled brn/grn tite lmst.

CHEROKEE LMST. 4765(-2540)

LM; lt brn, fxln, scat frags, occ blk tar/gils, lt yel fluor, no odor, most looks tite

SH; varic, platy, some congl. weath. cht, org, blk

MISS. CHERT 4780(-2555)

CHT; yel/org, wh, fresh, frags, scat weathered edges w/interbdd tripolite, lt/med yel fluor, SSFO, occ p-p por, faint odor, spotted lt brn stn

CHT; wh, incr. tripolite, frags w/weathered edges, trc vug por, incr. in spotted oil stn, med to occ brite yel fluor, SSFO, v. faint odor

CHT; wh, some blue-wh, most fresh, some vug por, frags, few gas bubbles in weathered areas, SSFO, no odor, med/rare brite yel fluor

DST #3: Miss. Chert 4756' - 4806'

CHT; wh, off wh, most fresh, scat frags w/v. spotted lt brn oil stn, no odor, interbdd brn, grn, org chts at base of zone

KINDERHOOK SHALE 4820(-2595)

SH; med gy, gy grn, silty, v. firm, interbdd sltst

SS; lt gy, pale grn, vf gr Qtz, pyr ip, soft, argil

RTD. 4840' at 6:35 PM. on 3/30/15

LTD. 4839'

Halliburton ACRT, NEU/DEN, Microlog, MRIL

40 Unit Incr.
Poss. Show

Change Extractor
filter and Glycol

70 Unit Incr.
Shale

Recycle

45 Unit Incr.
Shale

30 Unit Incr.
Poss. Show

100 Unit Incr.
Max.
SHOW

TG, C, C5
0.5 5 50 500

Mud is very gassy
after
DST #3



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

28-27s-18w Kiowa, Co., Ks.

Yost #2-28

Job Ticket: 57812

DST#: 1

Test Start: 2015.03.27 @ 19:33:45

GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:40:15

Time Test Ended: 04:41:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: 4416.00 ft (KB) To 4434.00 ft (KB) (TVD)

Total Depth: 4434.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2225.00 ft (KB)

2212.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8931

Inside

Press @ Run Depth: 40.32 psig @ 4417.00 ft (KB)

Start Date: 2015.03.27

End Date: 2015.03.28

Start Time: 19:33:50

End Time: 04:41:45

Capacity: 8000.00 psig

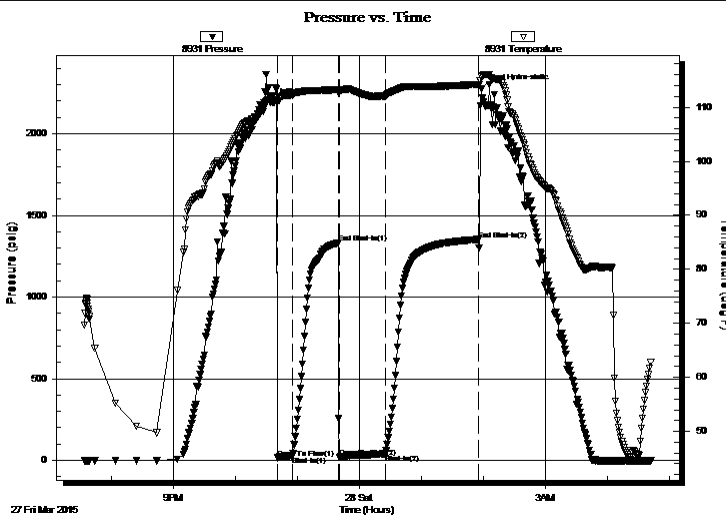
Last Calib.: 2015.03.28

Time On Btm: 2015.03.27 @ 22:36:30

Time Off Btm: 2015.03.28 @ 01:57:30

TEST COMMENT: IF: Strong blow . B.O.B. in 7 1/2 mins.
IS: Weak blow . Surf., - 2". 4 min bleed off. Blow back started after 20 mins.
FF: Strong blow . B.O.B. immediate.
FSI: Weak blow . Surf., - 2". Blow back started in 15 mins. Died back to 1", in 65 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.78	112.12	Initial Hydro-static
4	15.53	110.82	Open To Flow (1)
19	24.93	112.25	Shut-In(1)
63	1330.69	113.26	End Shut-In(1)
64	19.99	113.17	Open To Flow (2)
109	40.32	112.06	Shut-In(2)
199	1352.63	114.23	End Shut-In(2)
201	2273.62	115.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MWOCG 5%w 10%w 35%oc 50%g	0.30
20.00	WGOCM3%w 29%g 34%oc 34%m	0.28
0.00	3,368' G.I.P. 100%g	0.00

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

28-27s-18w Kiowa, Co., Ks.
Yost #2-28
Job Ticket: 57812 **DST#: 1**
Test Start: 2015.03.27 @ 19:33:45

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:	5100 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5100.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MWOCG 5% <i>m</i> 10% <i>w</i> 35% <i>oc</i> 50% <i>g</i>	0.295
20.00	WGOCM3% <i>w</i> 29% <i>g</i> 34% <i>oc</i> 34% <i>m</i>	0.281
0.00	3,368' G.I.P. 100% <i>g</i>	0.000

Total Length: 80.00 ft Total Volume: 0.576 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments: Rw 5100

Serial #: 8931

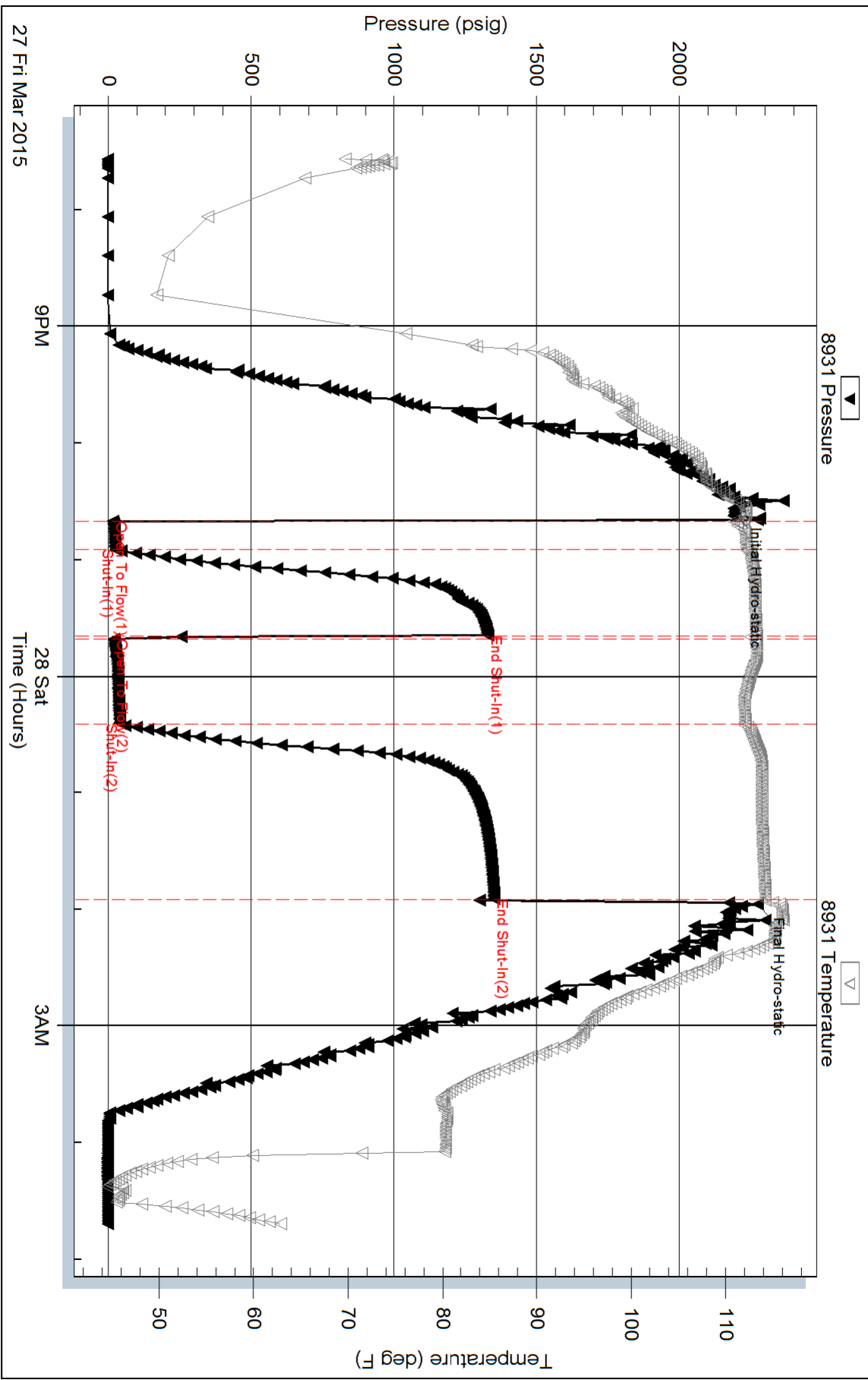
Inside

Herrman L. Loeb, LLC.

Yost #2-28

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57812

Printed: 2015.03.28 @ 07:03:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

28-27s-18w Kiowa, Co., Ks.
Yost #2-28
 Job Ticket: 57813 **DST#: 2**
 Test Start: 2015.03.28 @ 12:35:05

GENERAL INFORMATION:

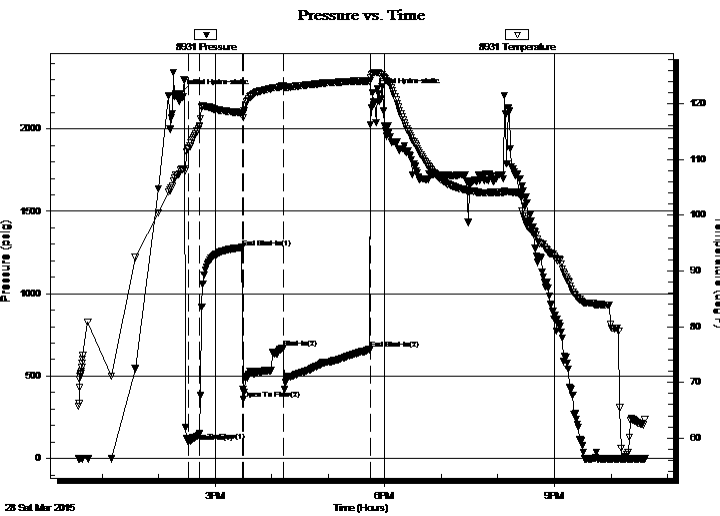
Formation: **KC "J"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 14:31:50
 Time Test Ended: 22:35:50
 Interval: **4458.00 ft (KB) To 4473.00 ft (KB) (TVD)**
 Total Depth: 4473.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 53
 Reference Elevations: 2225.00 ft (KB)
 2212.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8931

Inside

Press @ Run Depth: 671.26 psig @ 4459.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.03.28 End Date: 2015.03.28 Last Calib.: 2015.03.28
 Start Time: 12:35:10 End Time: 22:35:50 Time On Btm: 2015.03.28 @ 14:23:20
 Time Off Btm: 2015.03.28 @ 17:47:05

TEST COMMENT: IF: Strong blow . B.O.B. in 25 secs. G.T.S. in 10 mins. Gauged gas, see gas report.
 IS: Fair - Strong blow . Bled off for 30 mins., never died. Surf., - 9", blow back.
 FF: Strong blow . B.O.B. immediate. G.T.S., Gauged gas, see gas report.
 FS: Strong blow . Bled off for 30 mins. B.O.B. immediate.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.67	108.11	Initial Hydro-static
9	101.82	111.98	Open To Flow (1)
21	151.94	115.96	Shut-In(1)
66	1280.92	118.40	End Shut-In(1)
67	359.90	118.26	Open To Flow (2)
110	671.26	123.17	Shut-In(2)
201	662.24	124.07	End Shut-In(2)
204	2217.91	125.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	Drig Mud 100% _m	0.31
3456.00	GO 100% _o	48.48
0.00	896' G.I.P. G.T.S. 100% _g	0.00
0.00	Oil gravity w as 38 @ 80 degrees, correc	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	14.00	104.04
Last Gas Rate	0.13	21.00	13.25
Max. Gas Rate	0.13	21.00	13.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

28-27s-18w Kiowa, Co., Ks.
Yost #2-28
Job Ticket: 57813 **DST#: 2**
Test Start: 2015.03.28 @ 12:35:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	5000 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Drig Mud 100%m	0.309
3456.00	GO 100%o	48.479
0.00	896' G.I.P. G.T.S. 100%g	0.000
0.00	Oil gravity w as 38 @ 80 degrees, correct	0.000

Total Length: 3517.00 ft Total Volume: 48.788 bbl

Num Fluid Samples: 1 Num Gas Bombs: 2 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: Gravity w as 38 @ 80 degrees. Corrected 36 @ 60 degrees.
Reversed fluid out to vac truck.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Herman L. Loeb, LLC.

28-27s-18w Kiowa, Co., Ks.

P.O. Box 838
Lawrenceville, IL. 62439

Yost #2-28

Job Ticket: 57813

DST#: 2

ATTN: Jon Christensen

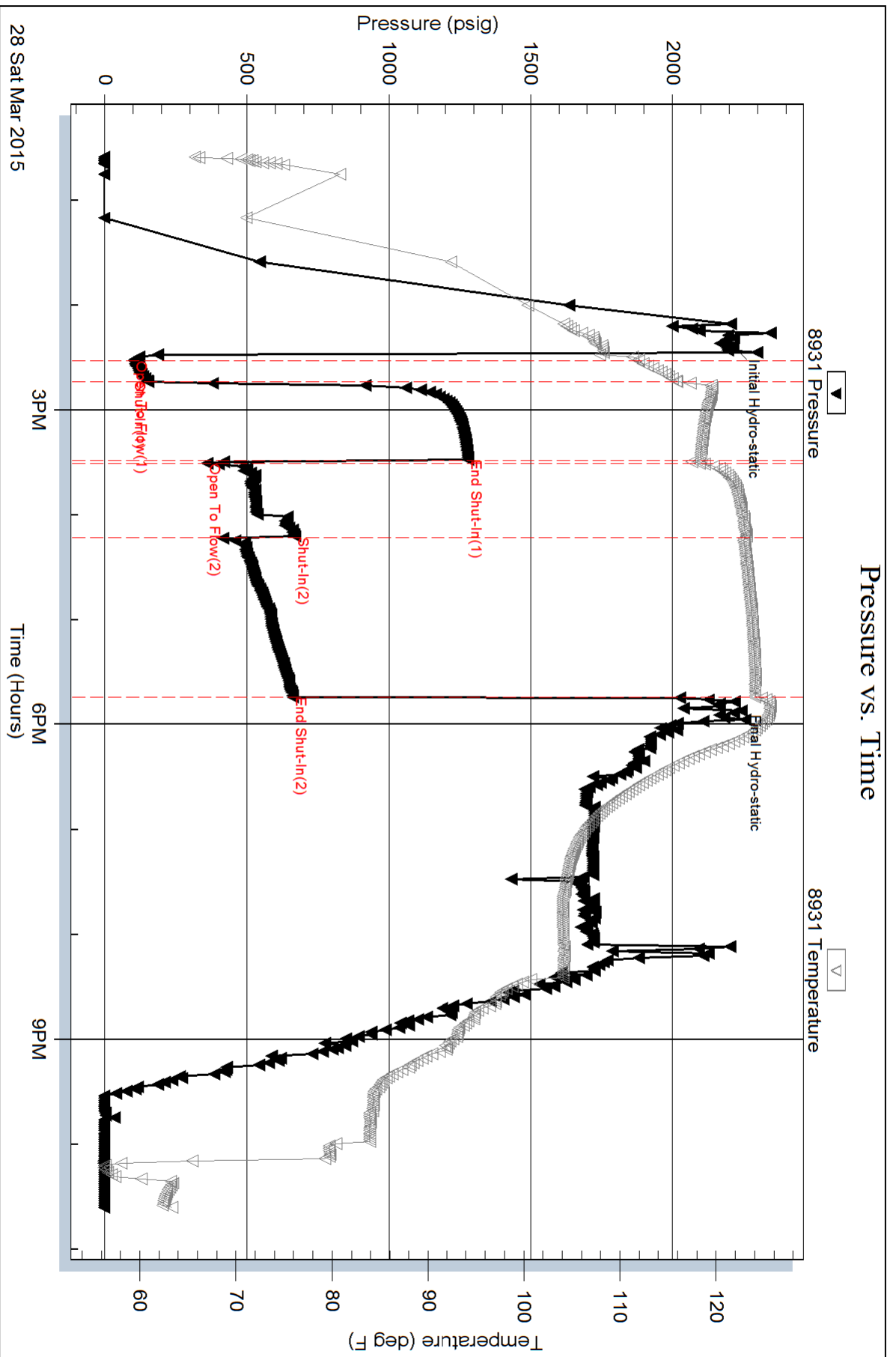
Test Start: 2015.03.28 @ 12:35:05

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	10	0.38	14.00	104.04
1	15	0.38	14.50	105.87
2	10	0.13	6.50	7.82
2	20	0.13	11.00	9.51
2	30	0.13	15.00	11.00
2	40	0.13	20.00	12.88
2	45	0.13	21.00	13.25





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

28-27s-18w Kiowa, Co., Ks.

Yost #2-28

Job Ticket: 57814

DST#: 3

Test Start: 2015.03.30 @ 05:15:23

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 08:29:23

Time Test Ended: 14:18:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: 4760.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2225.00 ft (KB)

2212.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8931

Inside

Press@RunDepth: 45.60 psig @ 4761.00 ft (KB)

Start Date: 2015.03.30

End Date:

2015.03.30

Start Time: 05:15:28

End Time:

14:18:53

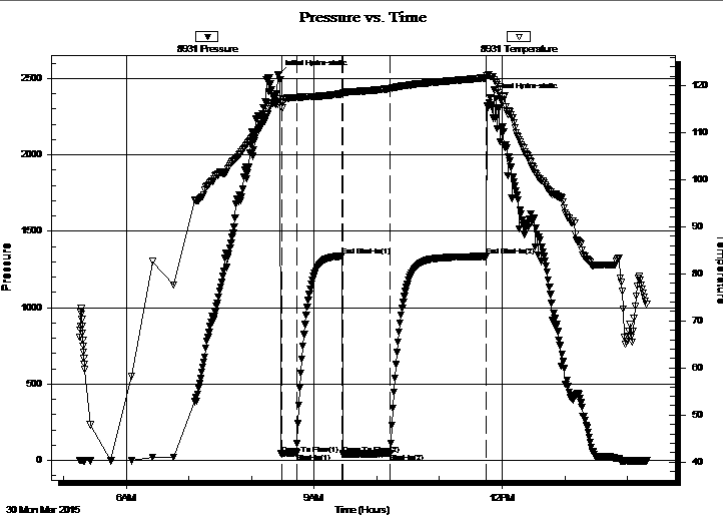
Capacity: 8000.00 psig

Last Calib.: 2015.03.30

Time On Btm: 2015.03.30 @ 08:26:23

Time Off Btm: 2015.03.30 @ 11:48:23

TEST COMMENT: IF: Strong blow . B.O.B. in 1 min.
IS: Weak blow . Surf., - 1". 6 mins., to bleed off. Blow back in 15 mins.
FF: Strong blow . B.O.B. immediate. G.T.S. in 10 mins. Gauged gas, see gass report.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2525.13	117.15	Initial Hydro-static
3	41.53	115.23	Open To Flow (1)
17	49.53	117.46	Shut-In(1)
61	1338.35	118.26	End Shut-In(1)
62	39.49	118.38	Open To Flow (2)
107	45.60	119.37	Shut-In(2)
199	1336.16	121.66	End Shut-In(2)
202	2372.88	121.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Oil spec GM 5%g 95%m	0.20
0.00	G.I.P. G.T.S. 100%g	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.00	37.12
Last Gas Rate	0.25	9.50	37.91
Max. Gas Rate	0.25	9.50	37.91

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

28-27s-18w Kiowa, Co., Ks.
Yost #2-28
Job Ticket: 57814 **DST#: 3**
Test Start: 2015.03.30 @ 05:15:23

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:	6300 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6300.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Oil spec GM 5%g 95%m	0.197
0.00	G.I.P. G.T.S. 100%g	0.000

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 1 Num Gas Bombs: 3 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Herman L. Loeb, LLC.

28-27s-18w Kiowa, Co., Ks.

P.O. Box 838
Lawrenceville, IL. 62439

Yost #2-28

Job Ticket: 57814

DST#: 3

ATTN: Jon Christensen

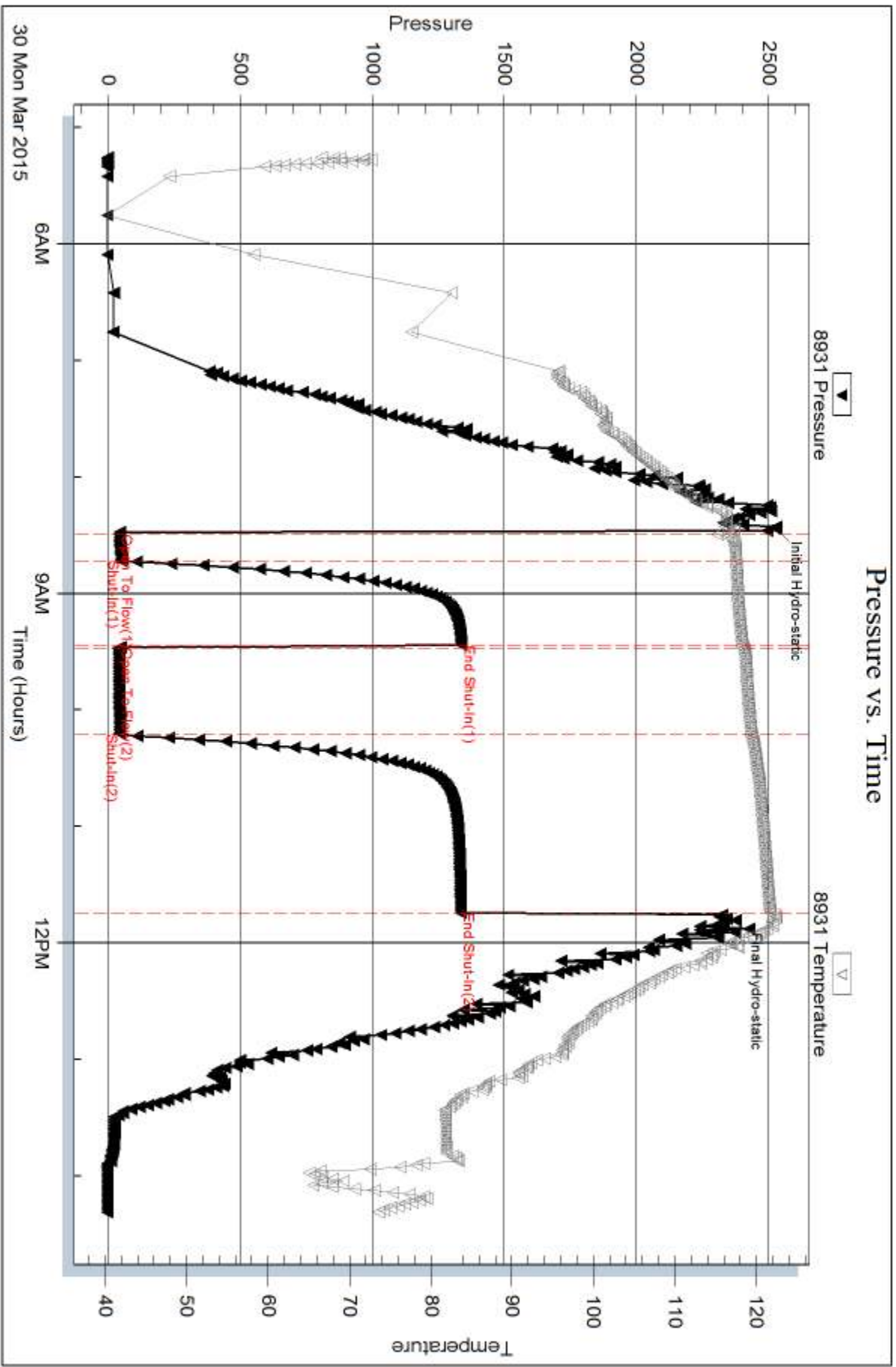
Test Start: 2015.03.30 @ 05:15:23

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)
2	10	0.25	9.00	37.12
2	10	0.25	9.00	37.12
2	20	0.25	9.00	37.12
2	30	0.25	9.00	37.12
2	40	0.25	9.50	37.91



6076 771 Unrwhi 9438



PAGE 1 of 1	CUST N° 1007589	YARD # 1718	INVOICE DATE 03/28/2015
INVOICE NUMBER 91767826			

JK

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

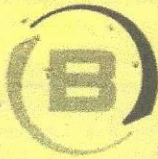
J LEASE NAME ~~Garrah~~ 4-33
 O LOCATION ~~Yost~~ 2-28
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40827474	20920		Net - 30 days	04/27/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/24/2015 to 03/24/2015</i>				
0040827474				
171811524A Cement-New Well Casing/Pi 03/24/2015 Cement 8 5/8 Surface				
A-Con Blend Common	200.00	EA	10.80	2,159.93 T
Common Cement	375.00	EA	9.60	3,599.88 T
Celloflake	100.00	EA	2.22	221.99 T
Calcium Chloride	1,270.00	EA	0.63	800.07 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	135.00	135.00
"8 5/8"" Guide Shoe (Red)"	1.00	EA	329.99	329.99
"Baffle Plate Alum., 8 5/8"" (Blue)"	1.00	EA	102.00	102.00
"8 5/8"" Basket (Blue)"	1.00	EA	188.99	188.99
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	2.70	94.50
Heavy Equipment Mileage	105.00	MI	4.50	472.48
"Proppant & Bulk Del. Chgs., per ton mil	947.00	EA	1.50	1,420.45
Depth Charge; 501'-1000'	1.00	EA	719.98	719.98
Blending & Mixing Service Charge	575.00	BAG	0.84	482.98
Plug Container Util. Chg.	1.00	EA	149.99	149.99
"Service Supervisor, first 8 hrs on loc.	1.00	EA	105.00	105.00

PAID
 57904
 APR 09 2015
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 TAX INVOICE TOTAL	10,983.23 484.90 11,468.13
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BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 11524 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>02-24-15</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>Wurst Post</u> <u>4-33-2-28</u> WELL NO.								
ADDRESS		COUNTY <u>Kiowa</u> STATE <u>KS</u>								
CITY STATE		SERVICE CREW <u>Sullivan, Epping, Clymer</u>								
AUTHORIZED BY		JOB TYPE: <u>enw 8 1/2" sch 40</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
							<u>3-24-15</u>			<u>1:00</u>
<u>20970</u>	<u>20</u>					ARRIVED AT JOB				<u>3:10</u>
<u>73268</u>	<u>45</u>					START OPERATION				<u>6:30</u>
						FINISH OPERATION				<u>12:50</u>
						RELEASED				<u>1:15</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: Alan Loeb
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-COD cont	SK	200		3,600 00
CP 100-G	COMMON cont	SK	200		3,200 00
CP 102	COFFER	LB	100		370 00
CP 109	Colours chlorine	LB	1290		1,333 50
CF 105	TOP Rubber Plug 8 1/2	SA	1		225 00
CF 203	Guide Shoe w/rod on	SA	1		550 00
CF 703	BAFFLE Plate	SA	1		170 00
CF 1903	BASKET	SA	1		315 00
CF 100	packed on	M	35		157 50
CF 101	Heavy Spig	M	198		787 50
CF 113	Pull Rod	TN	947		2,366 88
CF 201	Depth change 500' rod	SA	1		1,700 00
CF 240	Blending mixer	SK	575		805 00
CF 504	Plug container 10" dia	SA	1		250 00
5003	Solvents Separator	SA	1		175 00
CP 100-G	COMMON cont	SK	175		2,800 00
CP 109	Colours chlorine	LB			

SUB TOTAL 18,305 38

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>10,983.23</u>

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

FIELD SERVICE ORDER NO. _____

Customer <i>HERMAN Loeb</i>	Lease No.	Date <i>03-24-15</i>
Lease <i>UNION YOST</i>	Well # <i>430 2-28</i>	
Field Order # <i>11524</i>	Station <i>PRATT KS</i>	Casing <i>8 7/8</i>
	Depth <i>345'</i>	County <i>KIOWA</i>
Type Job <i>CNW 8 7/8 Surface</i>	Formation	Legal Description <i>33-21-18</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8</i>								
Depth <i>348.70</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>PC</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>304.50</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

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

Service Units	<i>37900</i>	<i>33708</i>	<i>23920</i>	<i>19959</i>	<i>23764</i>				
Driver Names	<i>Sullivan</i>	<i>Erwin</i>	<i>Clymer</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>3:10</i>					<i>on loc</i>
					<i>RUN 8 7/8 CSF.</i>
					<i>CASING ON BOTTOM</i>
					<i>HOOK BY CINE</i>
<i>6:20</i>			<i>3</i>	<i>3</i>	<i>AT SPINNE</i>
			<i>88</i>	<i>4.5</i>	<i>AT MIX A-500 CONT 200 SK 3% CC 1/4 CT</i>
			<i>43</i>		<i>ST MIX COMB 200 SK 3% CC 1/4 CT</i>
					<i>CONT MIX D SHOT DOWN</i>
					<i>Release plug</i>
				<i>4.5</i>	<i>AT PUMP</i>
<i>7:15</i>			<i>32</i>		<i>plug down</i>
					<i>NO CONT COLLAR ONE INCH TOP</i>
<i>10:35</i>			<i>29</i>	<i>2</i>	<i>RUN 30' INCH ST CONT</i>
<i>11:00</i>					<i>SHOT WAIT CONT TO COLLAR BACKUP 2400</i>
<i>11:20</i>			<i>6</i>		<i>ST FILL HOLE AROUND mouse hole</i>
<i>12:40</i>			<i>7</i>		<i>shot down wait on cont set of 25sk</i>
<i>12:50</i>					<i>Finish fill hole</i>
					<i>shot down fill D 25sk com 2% cc</i>
					<i>JOB COMPLETE</i>
					<i>THANK U</i>

6076 7714051 6438



PAGE	CUST #	YARD #	INVOICE DATE
1 of 1	1007589	1718	04/01/2015
INVOICE NUMBER			
91771855			

Pratt (620) 672-1201

J LEASE NAME Yost 2-28
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

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

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40828675	19843		Net - 30 days	05/01/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/31/2015 to 03/31/2015</i>				
0040828675				
171812169A Cement-New Well Casing/Pi 03/31/2015				
Cement 5 1/2" Longstring				
50/50 POZ	250.00	EA	6.60	1,649.90 T
Celloflake	63.00	EA	2.22	139.85 T
Gypsum	1,050.00	EA	0.45	472.46 T
FLA-322	105.00	EA	4.50	472.46 T
Mud Flush	1,000.00	EA	0.90	899.93 T
Gilsonite	1,500.00	EA	0.40	602.95 T
KCL Potassium Chloride	566.00	EA	0.90	509.36 T
Claymax KCL Substitute	5.00	EA	21.00	104.99 T
"Latch Down Plug & Baffle, 5 1/2" (Blu	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	1,511.88	1,511.88
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
 57904
 APR 09 2015
SCANNED

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,746.01
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	346.91
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,092.92
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 12169 A

28-275-18w

DATE _____ TICKET NO. _____

DATE OF JOB <u>3-31-2015</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 L. Loeb</u>		LEASE <u>Kost</u> WELL NO. <u>3-28</u>							
ADDRESS		COUNTY <u>Kiowa</u> STATE <u>KS</u>							
CITY STATE		SERVICE CREW <u>Darin, Ed, Beshey</u>							
AUTHORIZED BY		JOB TYPE: <u>CNU / 5 1/2 Longstrins</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>19843</u>	<u>1</u>						<u>3-31</u>	<u>PM</u>	<u>12:00</u>
<u>19860</u>	<u>1/2</u>					ARRIVED AT JOB	<u>3-31</u>	<u>PM</u>	<u>4:00</u>
						START OPERATION	<u>3-31</u>	<u>PM</u>	<u>9:00</u>
						FINISH OPERATION	<u>3-31</u>	<u>PM</u>	<u>10:00</u>
						RELEASED	<u>3-31</u>	<u>PM</u>	<u>11:00</u>
						MILES FROM STATION TO WELL			<u>42</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: [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	FLA-322	Lb	105		787 50
CC201	Gilsonite	Lb	1500		1,005 00
C700	KCL, Potassium Chloride	Lb	566		849 00
CF607	Latch Down Plug & Baffle, 5 1/2" (Blue)	ES	1		400 00
CF1251	Auto Fill Floater Shoe, 5 1/2" (Blue)	ES	1		360 00
CF1651	Turbolizers, 5 1/2" (Blue)	ES	12		1,320 00
CF1901	5 1/2" Bssket (Blue)	ES	2		580 00
CF2001	Cement Screws & chrs Cable Type, 5 1/2"	ES	8		600 00
C704	Clymax KCL Substitute	GSI	5		175 00
CC151	Mud Flush	GSI	1,000		1,500 00
E100	Unit Miles Chsrse - Pickups, Services & Misc	M.	35		157 50
E101	Hesuy Equipment Miles	M.	70		525 00
E113	Proppant and Bulk Delivery Chrses, per invoice	Tndm	368		918 75
CE 205	Depth Chsrse, 4000-5000	Yhr	1		2,520 00
CE 240	Blending & Mixing Service Chsrse	SK	250		350 00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL

16

SERVICE REPRESENTATIVE <u>Darin Frank</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer <i>Herman L. Loob</i>	Lease No.	Date <i>3-31-2015</i>
Lease <i>Kost</i>	Well # <i>3-28</i>	
Field Order # <i>12169</i>	Station <i>Pratt, ks</i>	Casing <i>5 1/2</i>
		Depth <i>4837</i>
Type Job <i>CNW/ 5 1/2 Long Spring</i>	Formation <i>TD-4850</i>	County <i>Kiowa</i>
		State <i>KS</i>
		Legal Description <i>28-27s-18w</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>4837</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>115</i>	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>4825</i>	Packer Depth	From	To	Flush <i>2% KCL water</i>	Gas Volume			Total Load

Customer Representative <i>Mike Polley</i>	Station Manager <i>Kevin Gordley</i>	Treater <i>Darin Franklin</i>
Service Units <i>92911 84981 19843 19903 19860</i>		
Driver Names <i>Darin Ed Ed Beschey Beschey</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:00pm</i>					<i>On location / Safety meetings</i>
					<i>T-1, 2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 28</i>
					<i>S- 2, 3</i>
					<i>B- 3, 12</i>
					<i>5 1/2 ccs. ns-</i>
					<i>200 SK 50/50 P02, .25 lb/sk Cellulose</i>
					<i>5% cal. set, .5% Fluid Loss, 5% KCL</i>
					<i>6 lb/sk Gilsomite, 14.0 pps, 1.35 yield, 5.43 wsm</i>
<i>9:00pm</i>	<i>300</i>		<i>5</i>	<i>4 1/2</i>	<i>Pump 5 bbls water</i>
	<i>300</i>		<i>12</i>	<i>4 1/2</i>	<i>pump 12 bbls mud Flush</i>
	<i>300</i>		<i>5</i>	<i>4 1/2</i>	<i>Pump 5 bbls water</i>
	<i>400</i>		<i>48</i>	<i>5 1/2</i>	<i>Mix 200SK Cement</i>
					<i>Shut down</i>
					<i>Wash Pump & lines</i>
					<i>Release Plug</i>
	<i>200</i>		<i>0</i>	<i>6 1/2</i>	<i>Start displacement</i>
	<i>500</i>		<i>75</i>	<i>4 1/2</i>	<i>kill Pressure</i>
	<i>800</i>		<i>100</i>	<i>3 1/2</i>	<i>slow Rate</i>
<i>9:30pm</i>	<i>1500</i>		<i>115</i>	<i>3 1/2</i>	<i>Bump Plug</i>
					<i>Release</i>
	<i>100</i>		<i>7</i>	<i>3</i>	<i>Plug Re+ hole</i>

Lynette,

Kevin with Basic Energy called. He labeled an invoice (# 91711855) incorrectly. He labeled it as under The yost 3-28 : it should be under The yost 2-28. He said to call him with any questions.

Cesey