



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1133398
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: _____



1133398

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

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

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

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

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Blessed Acres #1-18
Location: 660' FSL & 2274' FEL. Sec. 18-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21748-0000 Region: Wildcat
Spud Date: 2/6/2013 Drilling Completed: 2/15/2013
Surface Coordinates: 660' FSL & 2274' FEL, Sec. 18-T27S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2195' K.B. Elevation (ft): 2206'
Logged Interval (ft): 3350' To: 4962' Total Depth (ft): 4962'
Formation: Viola at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3269'; Chemical Gel 3269' to 4962'
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') 4193' - 4209'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak Surface Blow, FFP Weak Surface Blow, no Blowback on SI's; REC: 5' Drilling Mud, no shows of oil or gas; IFP 16-35#, ISIP 1382#, FFP 17-26#, FSIP 1319#, IHP 2161#, FHP 2026#, BHT 112 Deg. F.

DST #2(KC. Swope/Hertha) 4508' - 4554'(Corrected Depths to LOG) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/3 Min., FFP Strong Blow BOB/4", No Gas to Surface, Weak 0.25" Blowback on FSI; REC: 248' Gas in Pipe, 5' CGO, 83' OCMW(10%O, 40%M, 50%W), 126' MW(24%M, 76%W), 1197' SW(CI 45,000, Mud 5000), IFP 79-290#, ISIP 1434#, FFP 308-680#, FSIP 1422#, IHP 2290#, FHP 2161#, BHT 125 Deg. F.

DST #3(Miss. Chert) 4732' - 4792'(Corrected Depths to LOG) Test Times 15"-45"-30"-60" IFP Weak 2" Blow, FFP Weak 2" Blow, no Blowback on SI's; REC: 50' Gas in Pipe, 10' Drlg. Mud, no oil, no water; IFP 36-52#, ISIP 156#, FFP 40-50#, FSIP 280#, IHP 2480#, FHP 2325#, BHT 119 Deg. F.

Other

2/6/13 MIRU Sterling Drilling Rig #2, Spud at 10:00 PM; 2/7/13 TD. 567' - Rig up to run 8 5/8" Surface Casing; 2/8/13 Drilling at 1071'; 2/9/13 Drilling at 2500'; 2/10/13 Drilling at 3250'; 2/11/13 Drilling at 4015'; 2/12/13 TD. 4212' - Prep. to TIH after DST #1; 2/13/13 TD. 4558' - CCH for DST #2; 2/14/13 Drilling at 4706'; 2/15/13 TD. 4810' - CFS, Reached TD. at 4:50 PM; 2/16/13 RTD. 4962' - LTD. 4959' - LDDP for P & A.

Set new 8 5/8"(24#) Surface Casing at 561' with 350 sacks cement(Basic Energy Services). Cement did Circulate. PD. at 10:45 AM. 2/7/13.


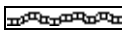
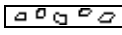
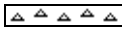
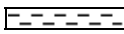







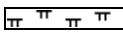

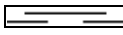
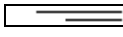
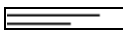



Surveys: 1 Deg. at 567'(Surface Casing); 0.75 Deg. at 4212'(DST #1); 0.75 Deg. at 4558'(DST #2); 1 Deg. at 4962' RTD.

Pipe Strap at 4212'(DST #1): Strap 0.76' Short to the Board, no correction made to the Board.








































































LOG TOPS: Chase 2444(-238), Stotler Lmst. 3394(-1188), Howard 3594(-1388), Queen Hill Shale 3902(-1696), Heebner Shale 4029(-1823), Toronto 4043(-1837), Brown Lmst. 4180(-1974), Lansing 'A' 4187(-1981), Lansing/KC 'H' 4354(-2148), Stark Shale 4490(-2284), Hertha 4541(-2335), Base Kansas City 4578(-2372), Marmaton 4622(-2416), Pawnee 4667(-2461), Cherokee Shale 4707(-2501), Conglomerate Chert 4768(-2562), Miss. Chert 4780(-2574), Kinderhook Shale 4840(-2634), Kinderhook Sand 4866(-2660), Viola 4940(-2734).

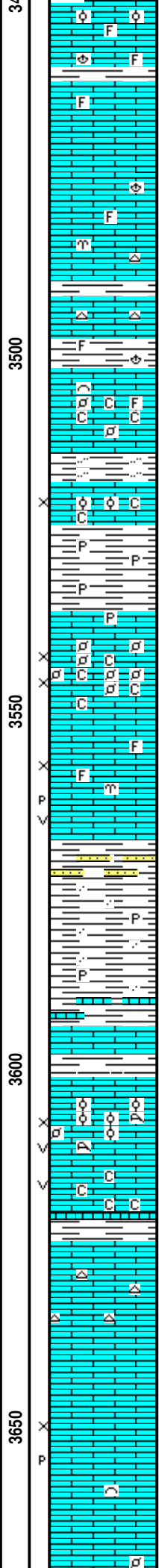
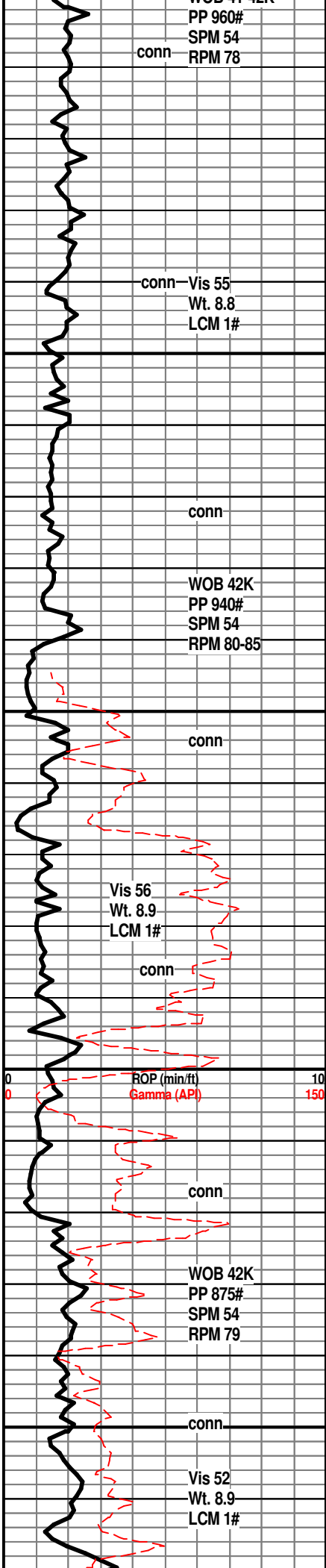
After review of the Halliburton Logs, DST data, and lack of commercial amounts of hydrocarbons, the operator elected to Plug and Abandon the Blessed Acres #1-18 at RTD. 4962' on 2/16/2013.

ROCK TYPES

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

MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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conn - Vis 55
Wt. 8.8
LCM 1#

LM; med brn, gy brn, dense, micritic, rare well cem foss mat, tite

LM; lt brn, occ med gy brn, buff, fxln w/occ foss mat, well cem, blocky, lt yel min fluor only, ns.

LM; med brn, hd, occ gy cht, dense

SH; lt to med gy, foss, platy

LM; tan to off wh, buff, fxln w/scat foss pellets and hash, no vis por, soft chalky mtx ip, lt yel fluor, no stn or odor, ns.

SH; med gy, gy grn, silty, soft ip.

LM; off wh, tan, buff, fxln to foss, scat pellets and ooids, fair interxln por, chalky mtx, ns.

SH; med to dk gy, platy, occ pyr

LM; med brn, dense, pyr ip, tite

LM; wh, off wh, f to med xln, scat small foss pellets, gd interxln/interpart por, minor chalky mtx, lt yel min fluor, no stn or odor, no gas kick, ns.

LM; off wh, wh, med xln, gd p-p w/occ vug por, lt yel fluor, no stn, no gas kick, ns.

SH; lt gy, sandy w/interbdd vf to f gr qtz, mica, no stn or odor, ns.

SH; med to dk gy, silty ip, platy, occ pyr

HOWARD 3594(-1388)
LM; lt brn, dense, micritic, tite

LM; off wh, wh, tan, foss - partly oolitic, occ corals, gd vug w/interpart por, lt yel min fluor, no stn or odor, no vis gas bubbles, no sample shows

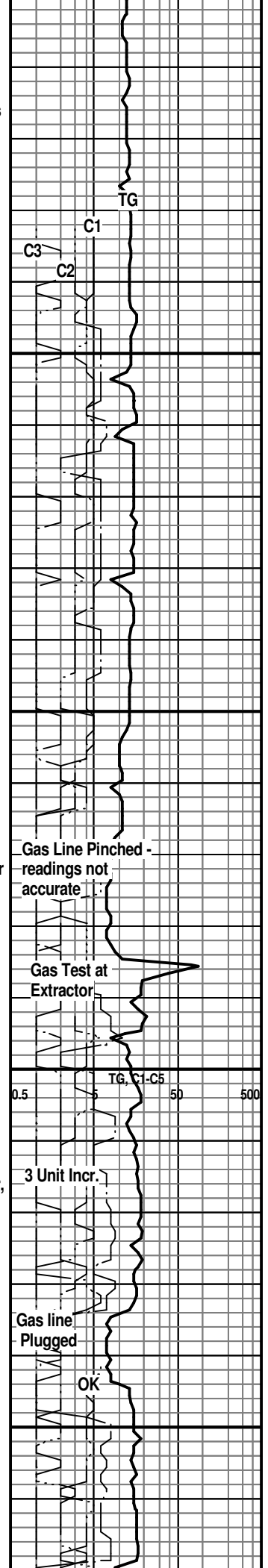
LM; off wh, wh, f to med xln, chalky soft mtx, lt yel fluor, no stn, ns.

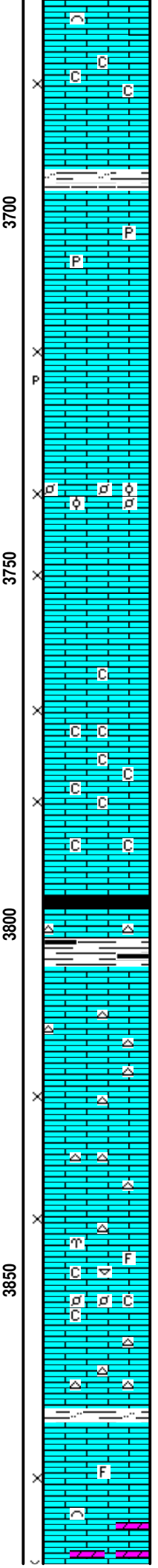
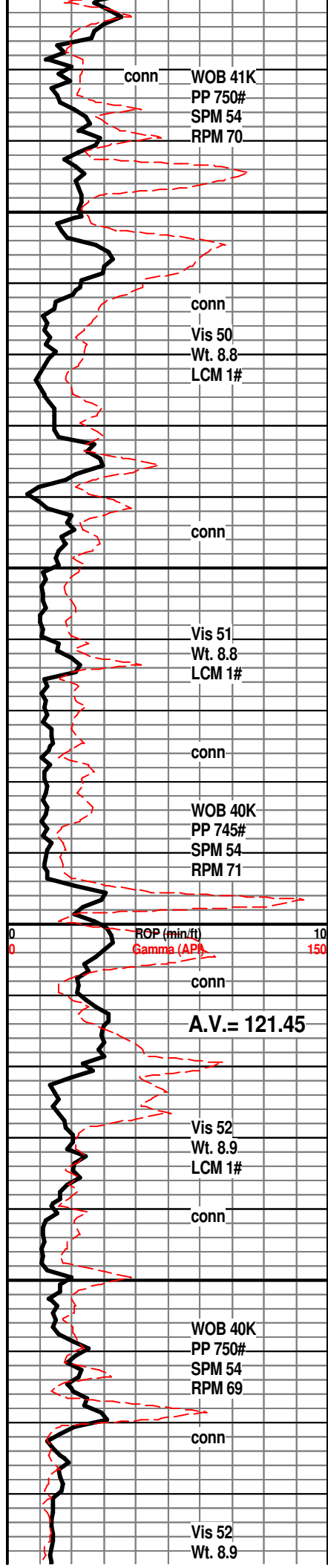
SH; med gy, soft, sticky ip.

LM; lt to med brn, most blocky, dense, scat gy cht, no vis por, ns.

LM; off wh, buff, cream, fxln w/occ foss mat, poor p-p and occ interxln por, lt yel min fluor, ns.

LM; lt to med brn, hd, scat well cem foss mat, no vis





LM; lt to med brn, hd, scat w/wh chnt, no vis por, ns.

LM; tan to cream, buff, f to med xln, fair interxln por, minor chalky mtx, lt yel min fluor, no stn or odor, ns.

SH; med gy grn, some dk gy, platy, occ silty

LM; lt brn, dense, micritic, blocky, scat pyr

LM; tan, off wh, buff, f to med xln, some sucrosic text, fair to gd interxln w/rare p-p por, lt yel fluor, no stn or odor, ns.

LM; lt gy, lt gy brn, hd, some mottled text, occ finely pelletal to oolitic, lt yel fluor, ns.

LM; off wh, tan, wh, fxln to sucrosic text, soft, chalky mtx w/much pure chalk, fair to gd interxln por, dull yel fluor, no stn or odor, ns.

SH; blk, v. dk gy, platy

LM; lt to med brn, hd, scat off wh cht, tite

SH; med to dk gy, trc blk, platy

LM; lt to med brn, gy brn, hd, micritic, blocky, scat off wh to wh cht, tite

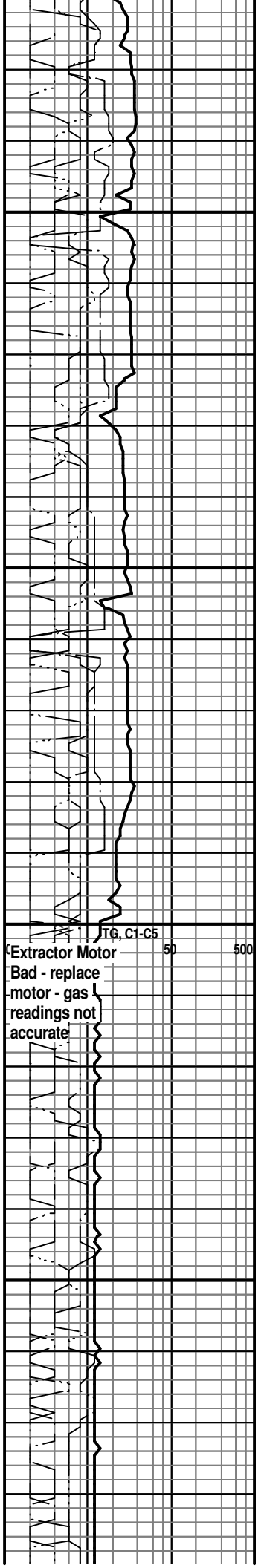
LM; tan to off wh, buff, f to med xln, scat fair to gd interxln por, interbdd off wh to wh cht, lt yel fluor, no stn or odor, ns.

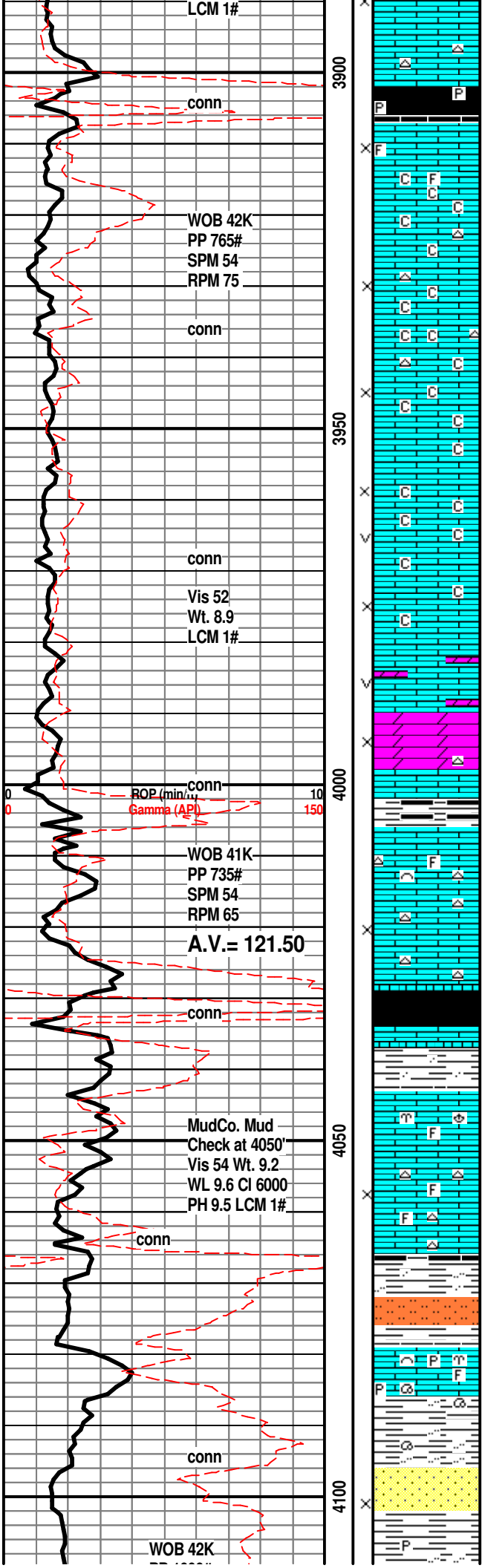
LM; tan to off wh, lt brn, foss w/scat foss pellets and hash, fair interpart por, minor soft chalky mtx, no fluor, ns.

LM; med to dk brn, hd, cherty ip, tite

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

LM; tan to cream, buff, f to med xln, scat foss mat, fair interxln/interpart por, interbdd off wh sucrosic text partly dolomitic lmst, lt yel fluor, no stn or odor, ns.





QUEEN HILL SHALE 3902(-1696)

SH; blk, carb, platy, scat pyr
LM; lt brn, tan, buff, fxln, scat foss mat, poor to fair interxln por, lt yel min fluor, ns.

LM; tan to off wh, buff, f to med xln, gd interxln por, chalky mtx w/much pure soft chalky, interbdd off wh to wh cht, dull yel min fluor, no stn or odor, no gas incr, ns.

LM; tan to off wh, buff, f to med xln, some gran text w/scat cse opaque spar calc xtals, fair interxln w/scat vug por, interbdd soft chalk and chalky lmst, lt yel to dull yel fluor, no stn or odor, ns.

LM; tan to off wh, buff, fxln w/sucrosic text, partly dolomitic, gd interxln w/scat vug por, ns.

DOL; lt brn, tan, sucrosic, fair to gd interxln por, lt yel min fluor, trc wh cht, no stn or odor, ns.

SH; dk gy - blk, platy
LM; tan to cream, lt brn, fxln w/occ foss mat, minor off wh cht, no vis por, ns.

LM; off wh, tan, f to med xln, gd interxln por, scat cse spar calc xtals, interbdd wh cht, lt yel fluor, no stn or odor, ns.

HEEBNER SHALE 4029(-1823)

SH; blk, carb ip, platy, trc gas
LM; med brn, dense, blocky, tite

SH; grn, gy grn, occ silty
TORONTO 4043(-1837)
LM; off wh, tan, buff, fxln w/scat foss mat, most well cem, no vis por, no fluor, ns.

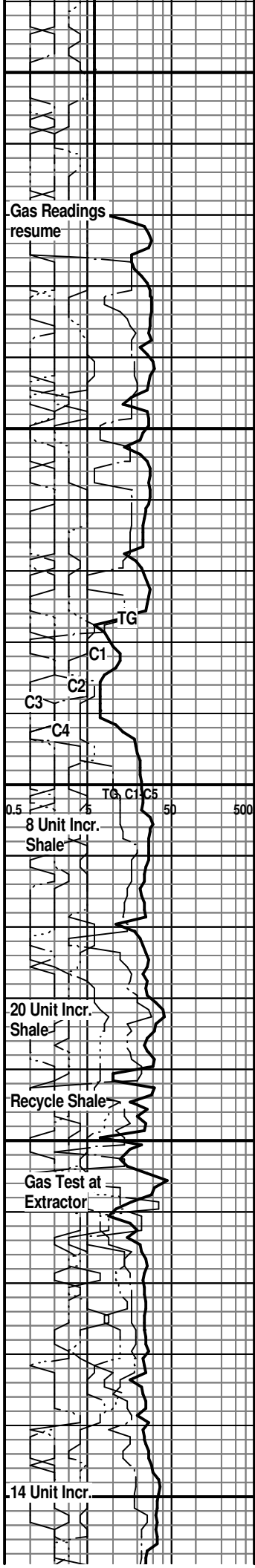
LM; wh, off wh, most med xln w/cse spar calc xtals, rarely foss, fair interxln por, scat gy to off wh cht, lt yel fluor, no stn or odor, ns.

DOUGLAS SHALE 4066(-1860)

SH; lt gy, silty, interbdd mica sltst, platy
LM; med brn, gy brn, hd, foss ip, well cem, no vis por, occ pyr, tite

SH; lt to med gy, silty ip, interbdd argil foss lmst.

SS; lt gy, vf to f gr qtz, clusters, fair intergran por, subrnd gr, mica ip, no fluor, no stn or odor, no sample shows



PP 1000#
SPM 48
RPM 72

conn

Vis 55
Wt. 9.0
LCM 1#

conn

A.V.= 121.40

conn

**DST #1
Lansing A
4193' - 4209'**
Corrected

ROP (min)
Gamma (A)

CFS. at 4209'
MudCo. Mud
Check at 4209'
Vis 51 Wt. 9.3
WL 10.8 CI 9500
PH 9.0 LCM 0#

conn

conn
WOB 40K
PP 775#
SPM 54
RPM 68

Vis 58
Wt. 9.0
LCM 2#
conn

WOB 42K
PP 780#
SPM 54
RPM 75

conn

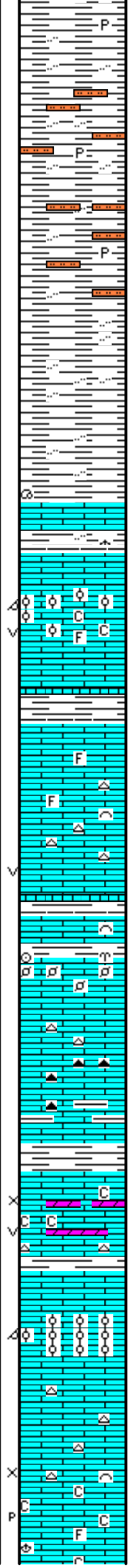
Vis 56
Wt. 9.1

4150

4200

4250

4300



SH; lt gy, occ lt grn, platy, scat pyr, smooth, occ silty

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

SH; lt to med gy, v. silty ip w/interbdd sltst.

SH; med gy, fiss to flakey, sloughing shale silty ip.

BROWN LMST. 4180(-1974)
LM; med to dk brn, dense, micritic

LANSING 'A' 4187(-1981)
LM; off wh, tan, foss - oolitic/pelletal, fair oomoldic por, fair vug por in lower portion of zone, lt/med yel fluor, minor chalky mtx, trc dk brn/blk residual oil stn, no odor, scat gas bubbles - Pred. Gas show

DST #1: Lansing 'A' 4193' - 4209'
Corrected Depths to LOG

LANSING 'B' 4211(-2005)
LM; off wh, tan, med xln w/scat cse spar calc xtals, scat well cem foss mat, no vis por, lt yel min fluor, trc dk brn stn, no odor, looks tite, no gas kick

LM; tan to lt gy, f to med xln, occ cherty, scat vug por w/no vis oil stn, lt yel fluor, no gas kick, ns.

SH; med gy, gy grn, foss ip, platy
LM; tan to lt brn, foss - finely pelletal, fair interpart por, minor chaly mtx, no fluor, ns.

LM; tan to cream, lt brn, fxln, most dense, scat lt gy to dk gy/amber cht, hd, no vis por, scat lt yel min fluor, ns.

LM; med brn, gy brn, hd, argil ip, tite

LM; off wh, buff, lt gy, sucrosic text, scat fair to gd interxln w/occ vug por, partly dolomitic, interbdd chalk and chalky mtx, lt yel fluor, no stn or odor, no gas kick, ns.

LANSING 'G' POROSITY 4293(-2087)
LM; tan to lt brn, oolitic, gd oomoldic por, brittle ip, occ rextalized, lt yel min fluor, no stn or odor, no sample shows

LM; tan to buff, most dense, blocky, scat off wh to gy cht, tite

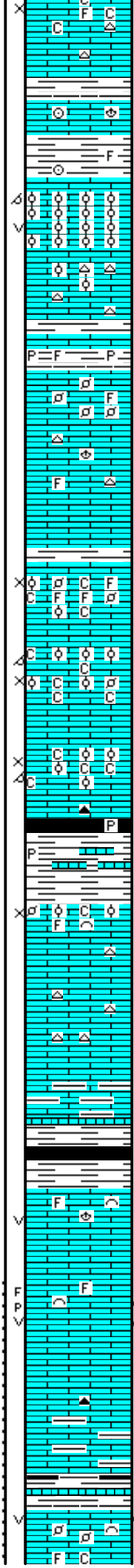
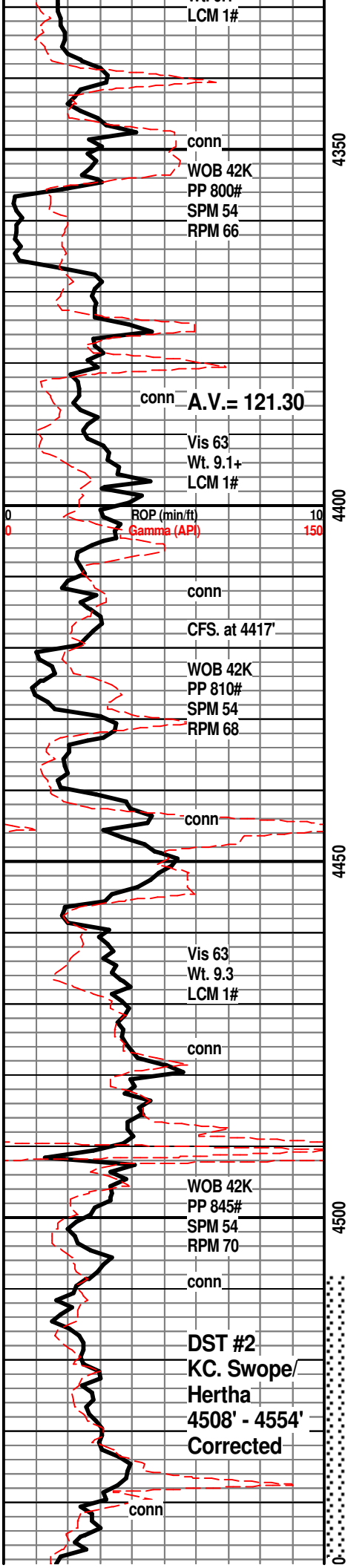
LM; tan to cream, off wh, f to med xln, scat foss mat, fair interxln por, interbdd soft chalky lmst, occ p-p por, lt to dull yel fluor, occ cherty, no stn or odor, no gas

10 Unit Incr.
SHOW

Change Extractor
Bubble jar

3 Unit Incr.

TG
C1
C2
C4



kick, ns.

LM; lt to med brn, foss - well cem, hd, tite

SH; med to dk gy, platy, foss ip.

LANSING/KC. 'H' 4354(-2148)
LM; off wh, buff, lt brn, oolitic, med to lrg moldic por, scat vug por also, brittle, some rextalized, lt to med yel min fluor, no stn or odor, no gas kick, barren, ns.

LM; lt brn, tan, micritic, scat oolitic cht, tite

SH; med gy, platy, scat pyr

LM; tan to cream, buff, foss, occ finely pelletal/oolitic, well cem, no vis por, dull yel min fluor, no stn, ns.

LM; lt brn, tan, fxln to micritic, blocky, scat off wh to gy cht, rare foss, tite, ns.

K.C. 'I' ZONE 4408(-2202)
LM; off wh, wh, buff, foss - abnt rnd foss pellets w/hash, poor to fair interpart por, occ chalky mtx, lt yel min fluor, no stn or odor, no sample shows

LM; off wh, tan, highly foss - oolitic, small to med size moldic por, gd interpart por also, much soft chalky mtx, dull yel to no fluor, no stn or odor, ns.

LM; lt gy, off wh, foss - partly oolitic, most small molds, fair oomoldic/interpart por, chalky ip, ns.

SH; dk gy, blk, platy, occ pyr, some lmy shale

K.C. 'J' DENNIS 4456(-2250)
LM; off wh, buff, foss ip, scat small ooids w/some hash, fair interpart por, minor chalky mtx, scat med yel fluor, no vis stn, no odor, no sample shows

LM; tan to lt brn, fxln to micritic, blocky, scat tan to lt brn cht, hd, no vis por, interbdd gy brn argil lmst, no vis por, no fluor, ns.

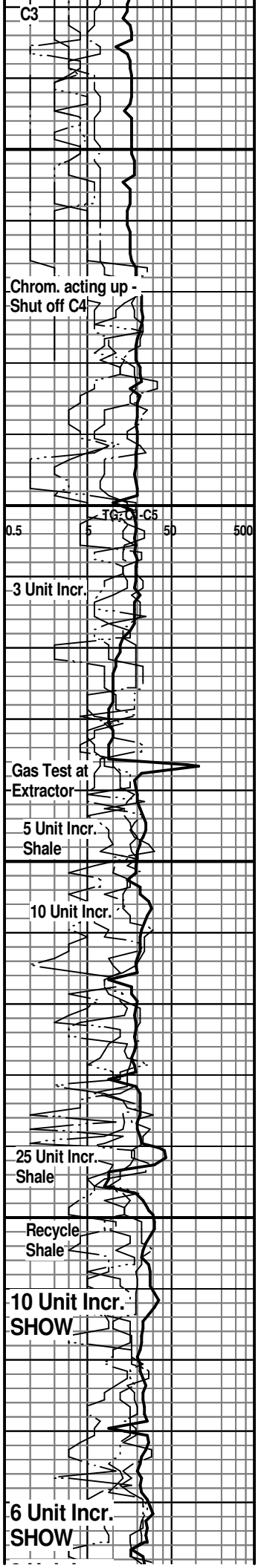
STARK SHALE 4490(-2284)
SH; blk, platy, carb ip.

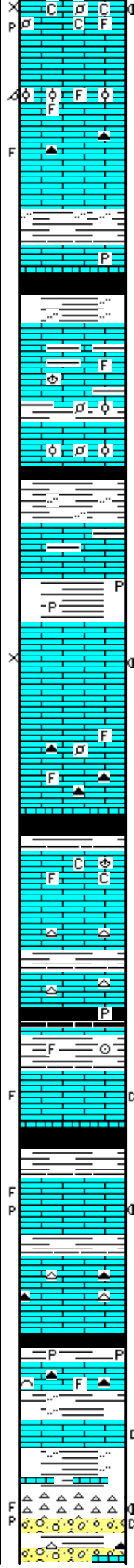
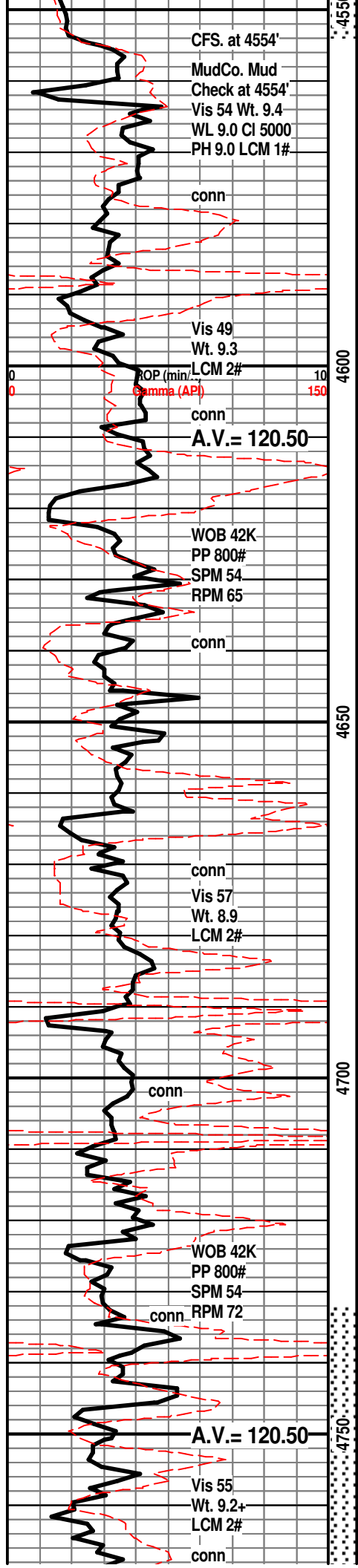
SWOPE 4496(-2290)
LM; tan to lt brn, fxln, foss ip, w/occ vug por, most appears dense, scat lt yel fluor, no vis stn, no odor, ns.

LM; lt brn, foss ip, scat fair p-p and vug por, spotted to occ even med to dk brn oil stn, med to brite yel fluor, fair to gd odor, trc frags, fair to gd cut, VSSFO, trc gas bubbles

LM; tan to lt brn, fxln ip, some dense micrite, interbdd argil lmst, no vis por, amber cht, ns.

HERTHA 4541(-2335)
LM; tan to off wh, foss ip, fair interpart w/scat small vug por, spotted med brn oil stn, fair odor, Trc. FO, med to occ brite yel fluor, gd cut





LM; tan to off wh, fxln w/occ foss mat, rare spotted stn, scat soft chalky mtx, fair interpart w/occ p-p por, lt/med yel fluor, no odor

DST #2: Swope/Hertha 4508' - 4554'
Corrected Depths to LOG

LM; med to dk brn, dk gy brn, dense w/occ frags, scat smoky to blk cht, no vis por, ns.

BASE KANSAS CITY 4578(-2372)
 SH; varic, grn, rust red, brn, silty ip.
 LM; med brn, some dk brn, hd, pyr ip, tite
 SH; blk, varic, platy to flakey, silty ip.

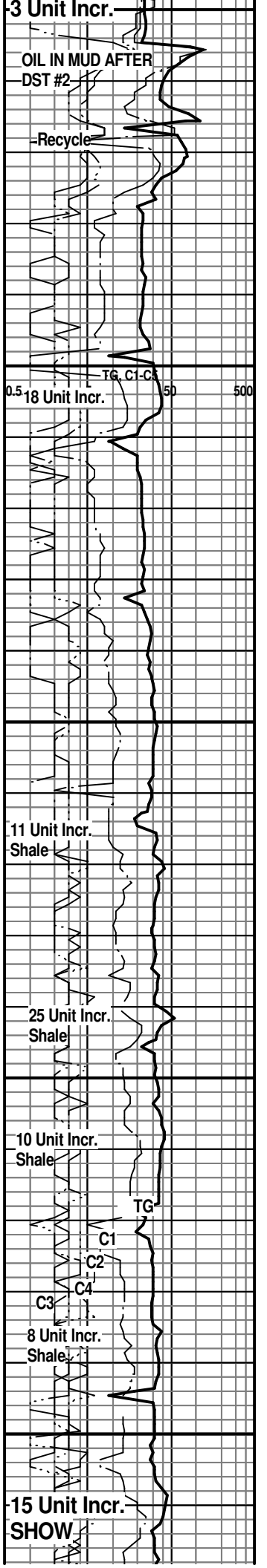
PLEASANTON 4594(-2388)
 LM; tan to lt gy brn, argil, firm, scat foss mat, dull yel min fluor, no stn or odor, no sample shows
 LM; lt brn, tan, foss - well cem pellets and ooids, hd, no vis por, no stn or odor, ns.
 SH; varic, blk, grn, gy, platy, silty ip.

MARMATON 4622(-2416)
 LM: it to med brn, hd, micritic, trc grn argil lmst, tite
 SH; med gy, grn, brn, rust red, flakey, occ pyr
 LM; tan to lt brn, fxln, poor to fair interxln por, 1 pc. w/lt brn oil stn, lt yel fluor, most dense, tite, no gas kick
 LM; tan to lt brn, buff, most dense, micritic, rare well cem foss, interbdd lt brn to amber cht, no vis por, scat lt yel min fluor, no stn or odor, ns.
 SH; dk gy to blk, platy

PAWNEE 4667(-2461)
 LM; tan to lt brn, foss ip, most well cem, minor chalky mtx, occ lt yel fluor, no stn or odor, ns.
 LM; tan to buff, lt brn, most dense, micritic, scat off wh to tan cht, no vis por, no fluor, ns.
 SH; blk, carb ip, gassy, occ pyr
 SH; grn, gy grn, foss, firm
 LM; tan to lt brn, foss ip, most well cem, scat blk tarry dead oil, trc frags, lt yel fluor, no live shows, no odor, no gas kick

CHEROKEE SHALE 4707(-2501)
 SH; blk, v. dk gy, platy, soft
 LM; lt brn, tan, fxln, scat pcs. w/poor p-p por, scat med brn oil stn, trc frags, dull to lt yel fluor, quest. odor, weak cut, no apparent gas kick - few pcs w/trc clr FO drops - bleeding, looks tite
 LM; lt brn, micritic, scat gy to blk cht, no vis por, no fluor, ns.
 SH; dk gy, blk, platy, pyr ip.
 LM; tan to lt brn, fxln w/rare foss mat, interbdd tan to org/amber cht, hd, no vis por, no stn, ns.
 LM; lt brn, hd, mictitic, blocky, trc blk tar/gilsonite, no live shows, no fluor, tite
 SH; varic, grn, rust red, off wh, platy, occ lmst

CONGLOMERATE CHT. 4768(-2562)
 CHT; varic, yel, org, brn, wh, frags w/ live edge stn, some blk tar/gilsonite, lt yel fluor, few gas bubbles, no odor



DST #3
Miss. Chert
4732' - 4792'
Corrected

CFS. at 4792'
 conn

ROP (min/ft) 10
 Gamma (API) 150

CFS. at 4807'
 MudCo. Mud
 Check at 4807'
 Vis 42 Wt. 9.2
 WL 9.8 Cl 6000
 PH9.0 LCM 2#

conn WOB 42K
 PP 800#
 SPM 54
 RPM 72

conn

CFS. at 4877'
 WOB 42K
 PP 800#
 SPM 54
 RPM 70
 conn

Vis 56
 Wt. 9.1
 LCM 2#

conn
 WOB 42K
 PP 800#
 SPM 54
 RPM 68

Vis 58
 Wt. 9.2
 LCM 2#

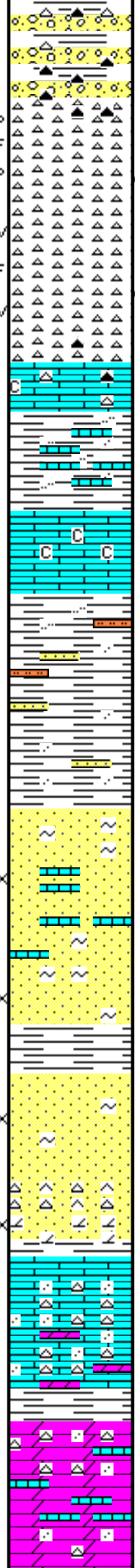
CFS. at RTD.

4800

4850

4900

4950



CONGL; varic, cherty w/interbdd weath red/mauve nodular lmst, varic mostly fresh cht

MISSISSIPPI CHERT 4780(-2574)

CHT; wh, lt gy, org, some conglomeratic at top, fresh and trip, abnt fracs w/med brn to blk edge stn, trip cht w/gd p-p and trip por, few pcs. bleeding gas bubbles, lt/med yel fluor, gas bubbles on break, faint/fair gas odor, spotted med brn live oil stn, mostly fresh cht at base

DST #3: Miss. Chert 4732' - 4792'
Corrected Depths to LOG

CHT; wh, off wh, tan, trip and fresh, scat vug por w/few fracs, v. rare spotted lt brn live oil stn, no odor, spotted lt yel fluor, no vis gas

LM; med brn, some rose red/brn, oxidized ip, hd, scat varic cht, occ red/wh chalky mtx, tite

SH; varic, rust red, brn, grn, yel, occ silty to sandy, interbddweathered lmst.

LM; rose red/brn, weathered, hd, scat off wh chalky mtx, no vis por, no fluor, ns.

KINDERHOOK SHALE 4840(-2634)

SH; med grn, silty ip w/interbdd vf gr qtz ss and sltst, platy

SH; med grn, some sea grn, hd, partly waxy, interbdd thin shaly ss strngs.

KINDERHOOK SAND 4866(-2660)

SS; off wh, wh, pale grn, vf to f gr qtz, clusters, calc, glau ip, fair intergran por, interbdd f gr shaly ss, dull yel fluor, no stn/odor, no gas kick

SS; wh, clr, most f gr, clusters, some hd - well cem/qtzitic, much w/fair intergran por, no fluor, no stn or odor, no gas kick

SH; med to dk gy, gy grn, platy

SS; wh, off wh, clr, f gr qtz, v. gd intergran por, soft, clusters, trc med gr qtz, minor amt. of glau, no fluor, no stn or odor, ns.

SS; clr to opaque, siliceous, v. hd, scat cht, tite

SS; wh, clr, f gr qtz, dolomitic, fair intergran por, no fluor, no stn or odor, ns.

LM; off wh, sandy to cherty, hd, interbdd dolomitic lmst.

VIOLA 4940(-2734)

DOL; lt gy brn, lt brn, sucrosic, much lmy - well cem, scat off wh to lt dove gy cht, no fluor, no vis por, no stn or odor, ns.

DOL; lt gy, lt to med brn, sucrosic, lmy - well cem ip, poor interxn por in some, sandy w/occ qtz gr, no fluor, no stn or odor, no gas kick

20 Unit Incr.
 SHOW

7 Unit Incr.
 Max.

Gas Test at
 Extractor

Cleaning Pits

7 Unit Incr.

NOTE: BIT LOCKED UP AT 4962'
RTD. 4962' at 4:50 PM. 2/15/13



6076
771 Blessed
6438

PAGE 1 of 1	CUST NO 1007589	INVOICE DATE 02/08/2013
INVOICE NUMBER 1717 - 91113803		

Liberal (620) 624-2277
 B HERMAN L LOEB LLC
 I PO Box: 838
 L LAWRENCEVILLE
 L IL US 62439
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Blessed Acres #1-18
 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
40562575	37726		Net - 30 days	03/10/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/07/2013 to 02/07/2013</i>				
0040562575				
171703362A Cement-New Well Casing/Pi 02/07/2013 8 5/8" Surface				
A-Con' Blend	175.00	EA	13.95	2,441.25 T
Premium Plus Cement	175.00	EA	12.23	2,139.38 T
Calcium Chloride	825.00	EA	0.79	649.69 T
Celloflake	88.00	EA	2.78	244.20 T
"Guide Shoe - Regular, 8 5/8" (Blue)"	1.00	EA	285.00	285.00
"Flapper Ins. Flt. Vlv., 8 5/8" (Blue)	1.00	EA	210.00	210.00
"Cmt Basket, Canvas 8 5/8"	1.00	EA	787.50	787.50
"Top Rubber Cmt Plug, 8 5/8" "	1.00	EA	168.75	168.75
Heavy Equipment Mileage	70.00	MI	5.25	367.50
Blending & Mixing Service Charge	350.00	BAG	1.05	367.50
"Proppant & Bulk Del. Chgs., per ton mil	577.50	EA	1.20	693.00
Depth Charge; 501'-1000'	1.00	EA	900.00	900.00
Plug Container Util. Chg.	1.00	EA	187.50	187.50
"Unit Mileage Chg (PU; cars one way)"	35.00	MI	3.19	111.56
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,684.08
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	399.64
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,083.72
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
P.O. Box 129
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 03362 A

DATE _____ TICKET NO. _____

DATE OF JOB: 2-7-13	DISTRICT: 1717	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: Blessed Acres		1-18		WELL NO.	
ADDRESS:		COUNTY: Kiowa		STATE: KS			
CITY:		STATE:		SERVICE CREW: Roger, Royce, Hector E			
AUTHORIZED BY: Jerry Bennet		JOB TYPE: Z-42 8.625" Surface					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
178940	4						
37223	4					ARRIVED AT JOB	PM 2:00
37726	4					START OPERATION	AM PM
14354	4					FINISH OPERATION	AM PM
19578	4					RELEASED	PM 11:00
						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
CL101	A-con blend	SK	175		3255 00
CL110	Pron Plus CMT	SK	175		2852 50
CC109	Calcium Chloride	LB	825		866 25
CC102	Celloflake	LB	88		325 60
CF453	G.S. - 8 5/8"	ea	1		380 00
CF453	Insert 8 5/8"	ea	1		280 00
CF456	Cement Baskets 8 5/8"	ea	1		1050 00
CF105	Top Rubber plug	ea	1		225 00
E101	Heavy Truck Mileage	Mi	70		490 00
CE210	Blending & Mixing Charge	SK	350		490 00
E113	Bulk Cement - Delivery - Charge	TN	578		974 00
CE201	Depth Charge 50' - 1000'	Hrs	1		1200 00
CE504	Plug Container Charge	Job	1		250 00
E100	Light Mileage Pickups	Mi	35		148 75
S003	Service Supervisor	ea	1		175 00
SUB TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		9684.08

SERVICE REPRESENTATIVE: Roger Yellowholz	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO. _____

Cement Report

Customer	Herman L. Loeb, LLC	Lease No.		Date	2-7-13
Lease	Blessed Acres	Well #	1-18	Service Receipt	3362
Casing	8.625	Depth	561	County	KS
Job Type	2-42	Formation		Legal Description	

Pipe Data		Perforating Data		Cement Data
Casing size	8.625"	Tubing Size		Lead @ 12 ppg
Depth	561	Depth	From To	175 sv A-con 3% C.C.
Volume	75.357 bbls	Volume	From To	1/4 # P.F.
Max-Press	2250	Max-Press	From To	2.47 yield 14.49 gal/sk
Well Connection	8.625	Annulus Vol.	From To	Tail in @ 14.8 ppg
Plug Depth	518.81	Packer Depth	From To	175 sv A-con plus 3% C.C.
				1.34 yield 6.53 gal/sk

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00 AM					Arrived on location
7:05					JSA Meeting
7:10					Rig up
7:45	1,500		.2	.2	Test Lines
9:47	290		76.89	4.5	175 sv Started Lead cmt @ 12 ppg
10:07	330		41.77	4.0	175 sv Started Tail cmt @ 14.8 ppg
10:17	0				Start down / dropped plug
10:20	210/290		330	3.0	Started dis placement
10:33	290		Lost 10	2.0	Slow Rate / to land plug
10:35	820		yes	yes	Land plug
10:40					Checked Plots
10:40					Flow test
10:22					2 bbls - 1/2 the displacement -
					got cmt back to surface (30 bbls)

Service Units					
Driver Names					

Customer Representative

Station Manager

Rose Yellow
Cementer



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

18-27S-8W Kiowa
Blessed Acres 1-18
Job Ticket: 50888 **DST#: 1**
Test Start: 2013.02.11 @ 23:36:25

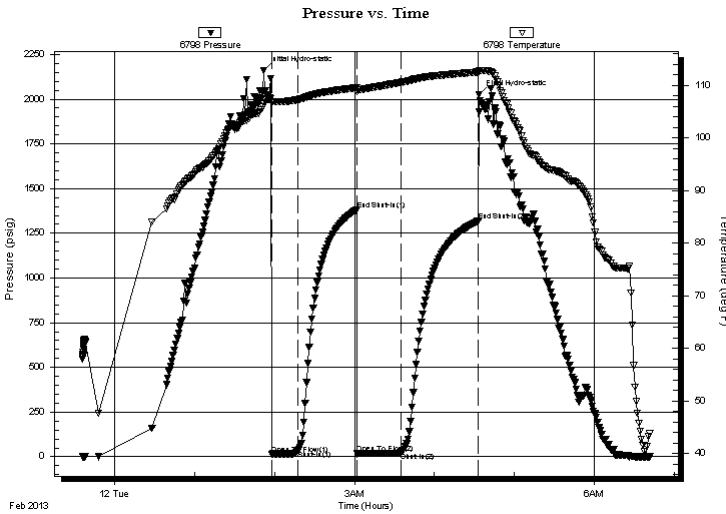
GENERAL INFORMATION:

Formation: **Lansing "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:58:10
Time Test Ended: 06:41:25
Interval: **4196.00 ft (KB) To 4212.00 ft (KB) (TVD)**
Total Depth: 4212.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 45
Reference Elevations: 2206.00 ft (KB)
2196.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6798 Inside
Press @ Run Depth: 25.74 psig @ 4197.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.11 End Date: 2013.02.12 Last Calib.: 2013.02.12
Start Time: 23:36:26 End Time: 06:41:25 Time On Btm: 2013.02.12 @ 01:52:10
Time Off Btm: 2013.02.12 @ 04:33:25

TEST COMMENT: IF: Weak Surface Blow
IS: No Blow Back
FF: Weak Surface Blow
FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.66	106.40	Initial Hydro-static
6	15.82	106.66	Open To Flow (1)
26	34.87	107.25	Shut-In(1)
70	1381.53	109.54	End Shut-In(1)
70	17.37	108.77	Open To Flow (2)
103	25.74	110.52	Shut-In(2)
161	1318.63	112.52	End Shut-In(2)
162	2026.00	112.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-27S-8W Kiowa
Blessed Acres 1-18
Job Ticket: 50888 **DST#: 1**
Test Start: 2013.02.11 @ 23:36:25

Mud and Cushion Information

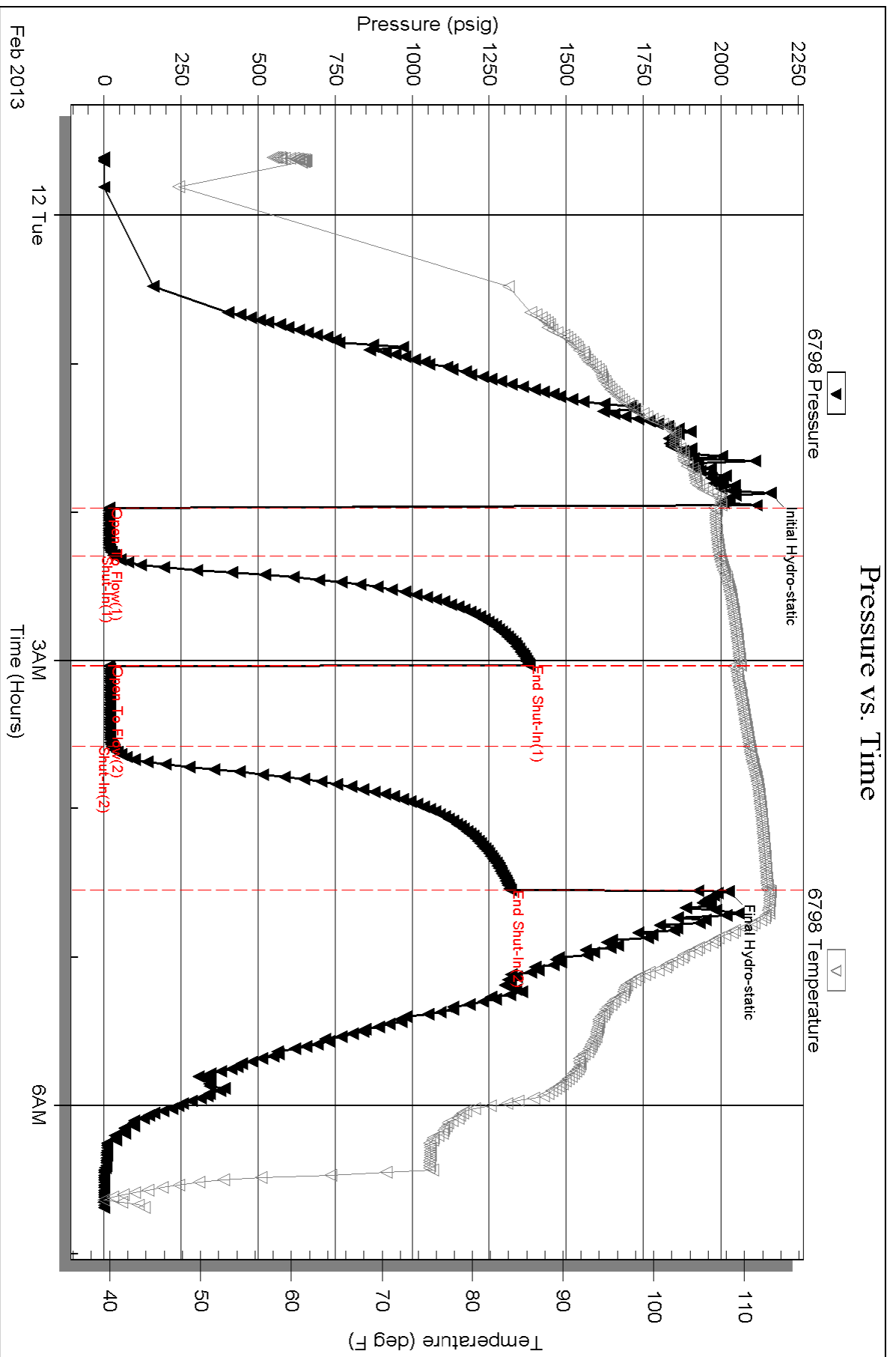
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-27S-8W Kiowa
Blessed Acres 1-18
Job Ticket: 50889 **DST#: 2**
Test Start: 2013.02.13 @ 10:36:28

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:	45000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

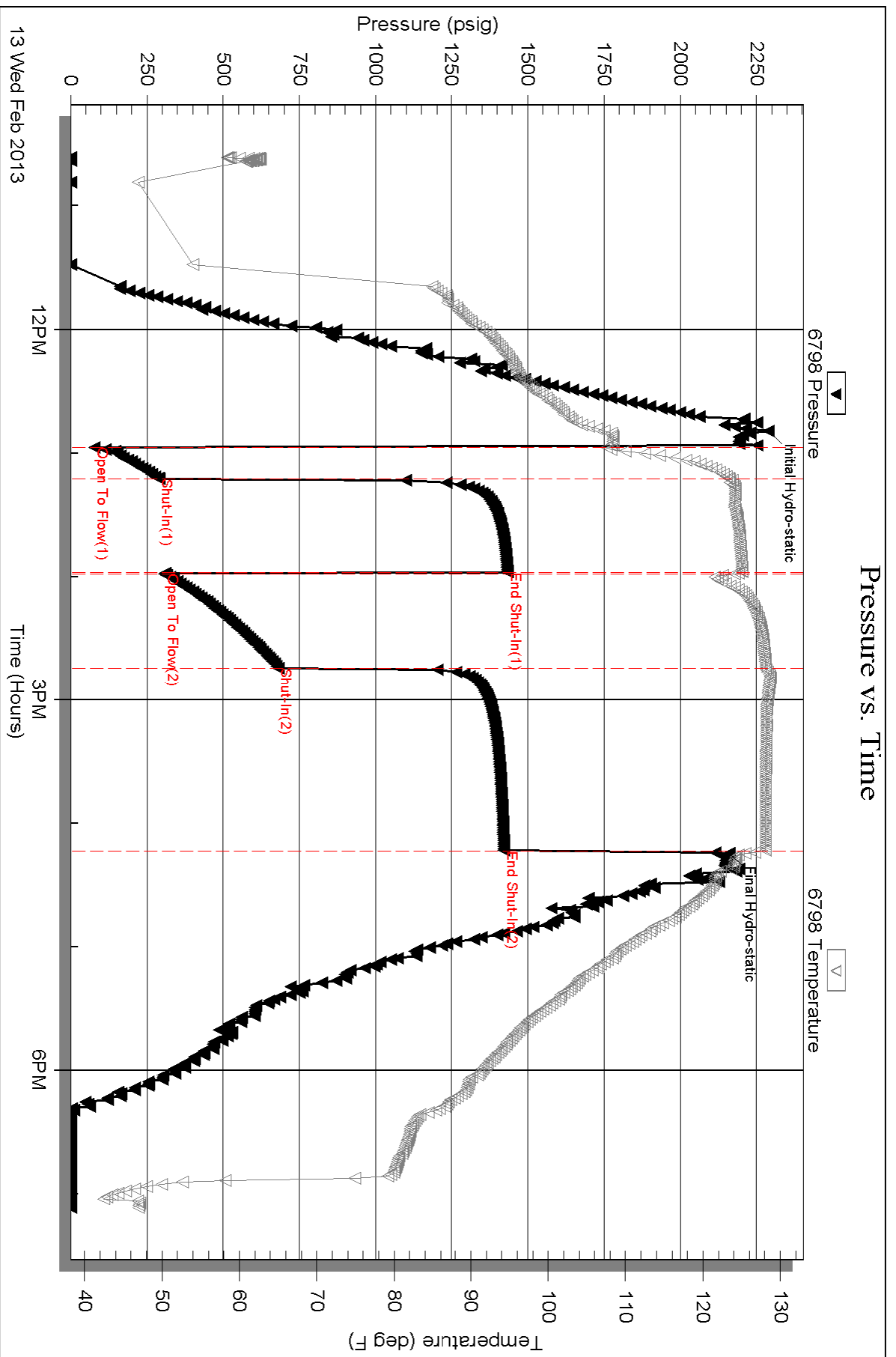
Length ft	Description	Volume bbl
0.00	GIP 248	0.000
1197.00	Water	14.832
126.00	MCW 24%M 76%W	1.767
83.00	OMCW 10%O 40%M 50%W	1.164
5.00	Oil	0.070

Total Length: 1411.00 ft Total Volume: 17.833 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW w as .23 @ 50 degrees





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

18-27S-8W Kiowa
Blessed Acres 1-18
Job Ticket: 50890 **DST#: 3**
Test Start: 2013.02.14 @ 17:33:49

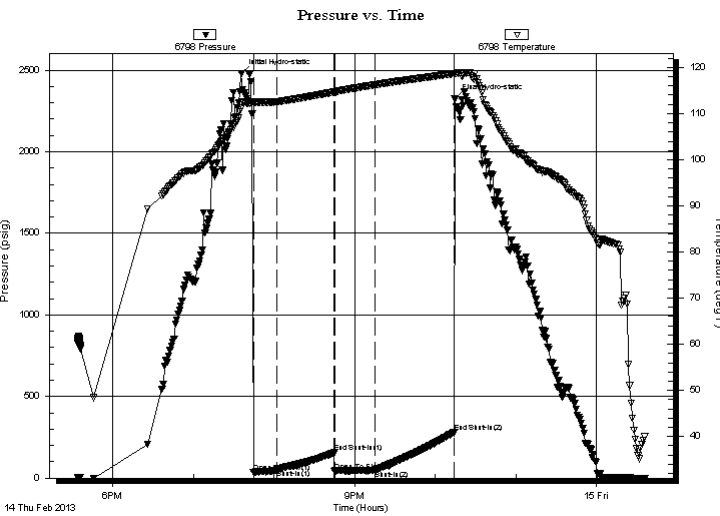
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:44:34
Time Test Ended: 00:36:19
Interval: **4735.00 ft (KB) To 4795.00 ft (KB) (TVD)**
Total Depth: 4795.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 45
Reference Elevations: 2206.00 ft (KB)
2196.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 49.69 psig @ 4736.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.14 End Date: 2013.02.15 Last Calib.: 2013.02.15
Start Time: 17:33:50 End Time: 00:36:19 Time On Btm: 2013.02.14 @ 19:35:34
Time Off Btm: 2013.02.14 @ 22:14:19

TEST COMMENT: IF: Weak Blow , Built to 2 inches
IS: No Blow Back
FF: Weak Blow , Built to 2 inches
FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2480.09	111.23	Initial Hydro-static
9	35.88	112.34	Open To Flow (1)
27	51.88	112.55	Shut-In(1)
69	155.53	114.66	End Shut-In(1)
70	39.58	114.63	Open To Flow (2)
100	49.69	116.21	Shut-In(2)
159	280.05	118.63	End Shut-In(2)
159	2325.21	118.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 50	0.00
10.00	Mud	0.05

* 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
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

18-27S-8W Kiowa
Blessed Acres 1-18
Job Ticket: 50890 **DST#: 3**
Test Start: 2013.02.14 @ 17:33:49

Mud and Cushion Information

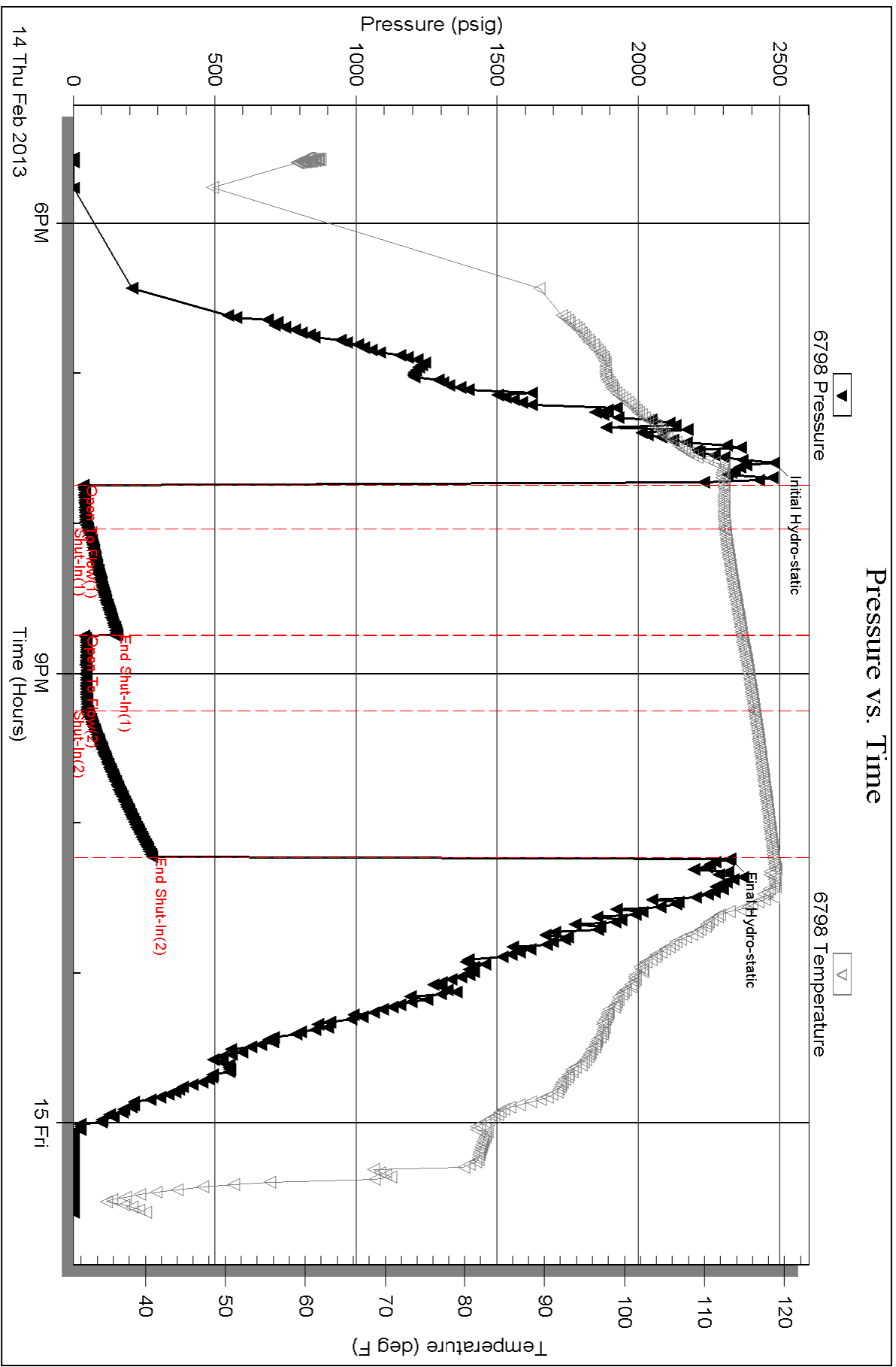
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP 50	0.000
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 15, 2013

Jesse Middagh
HERMAN L. LOEB, LLC
PO BOX 838
LAWRENCEVILLE, IL 62439

Re: ACO1
API 15-097-21748-00-00
Blessed Acres 1-18
SE/4 Sec.18-27S-18W
Kiowa County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jesse Middagh