



KANSAS CORPORATION COMMISSION 1052647
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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: #1-4 Sampson
Location: 500' FNL & 335' FWL, Sec. 4-T28S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21684-0000 Region: Einsel Field Ext.
Spud Date: 2/25/2011 Drilling Completed: 3/5/2011
Surface Coordinates: 500' FNL & 335' FWL, Sec. 4-T28S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2203' K.B. Elevation (ft): 2212'
Logged Interval (ft): 3400' To: 4857' Total Depth (ft): 4857'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3308'; Chemical Gel 3308' to TD.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Strata Exploration, Inc.
Address: P.O. Box 401
Fairfield, IL. 62837-0401

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') 4216' - 4232'(Corrected Depths to LOG) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/5 sec., FFP Strong Blow BOB/3 sec., Gas To Surface in 35" - Volume TSTM; Strong BOB Blowback on FSI; REC: 3936' GIP, 118' GOCWM(15%G, 25%O, 45%W, 15%M), 180' MSW(90%W, 10%M), CI 50,000 Mud 4000; IFP 48-77#, ISIP 1267#, FFP 100-174#, FSIP 1169#, IHP 2011#, FHP 2016#, BHT 118 Deg. F.

DST #2(Miss. Chert) 4761' - 4817'(Corrected Depths to LOG) Test Times 15"-137" Strong Blow BOB/5 sec. Gas to Surface/5"(No gauge available), slug of mud/15". Surface choke plugged with cottonseed hulls- unplugged choke, clear 2" line, started flowing gassy 35 Deg. API oil at surface. Close the BOP, drop bar and reverse out approx. 25-30 Bbl gassy oil; REC: 122' MO(95%O, 5%M) below circulating sub, No Water; IFP 1006-1248#, ISIP 1484#, No FFP or FSIP, IHP 2316#, FHP 2240#, BHT 116 Deg. F.

Comments

2/25/11 MIRU Sterling Drilling Co. Rig #4, Spud at 6:45 PM.; 2/26/11 TD. 520' - Running 8 5/8" Surface Casing; 2/27/11 Drilling at 1490'; 2/28/11 Drilling at 2740'; 3/1/11 Drilling at 3440'; 3/2/11 Drilling at 4060'; 3/3/11 TD. 4234' - Rig Service/Preparing to TIH after DST #1; 3/4/11 Drilling at 4590'; 3/5/11 TD. 4819' - DST #2, reached TD. at 4:15 PM; 3/6/11 RTD. 4857' - LTD 4854' - TOH/LDDP to run 5 1/2" Production Casing.

Set 8 5/8"(23#) Surface Casing at 517' w/400 sx/(Basic Energy Services). Cement Did Circulate. PD. 8:15 AM. 2/26/11.

Set 5 1/2"(15.5#) Production Casing at 4850' w/200 sx. "Strata Blend"(Basic Energy Services). PD. 5:00 PM. 3/6/11.

Surveys: 0.75 Degree at 520'(Surface Casing); 0.25 Deg. at 4234'(DST #1); 0.75 Deg. at 4819'(DST #2).


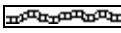
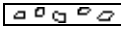
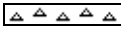
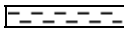







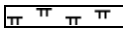
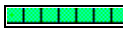
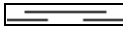
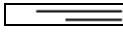
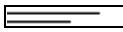



Pipe Strap at 4234'(DST #1): Strap 1.97' Short to the Board, no correction made to the Board.

After review of the Halliburton Logs, DST's, sample data, and positive shows of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2"(15.5#) Production casing for completion in the Mississippi Chert.








































































NOTE: This log was shifted upward 2' for correlation purposes with the Halliburton LOGS.

LOG TOPS: Chase 2450(-238), Stotler Lmst. 3410(-1198), Howard 3617(-1405), Heebner Shale 4050(-1838), Toronto 4062(-1850), Brown Lmst. 4206(-1994), Lansing 'A' 4214(-2002), Lansing 'B' 4238(-2026), Lans/KC. 'H' 4376(-2164), KC 'I' 4423(-2211), Swope 4529(-2317), Hertha 4576(-2364), Base Kansas City 4607(-2395), Pleasanton 4624(-2412), Marmaton 4650(-2438), Pawnee 4700(-2488), Cherokee Shale 4736(-2524), Mississippi Chert 4784(-2572), Kinderhook Shale 4848(-2636).

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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OTHER SYMBOLS

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

[V] Vuggy

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

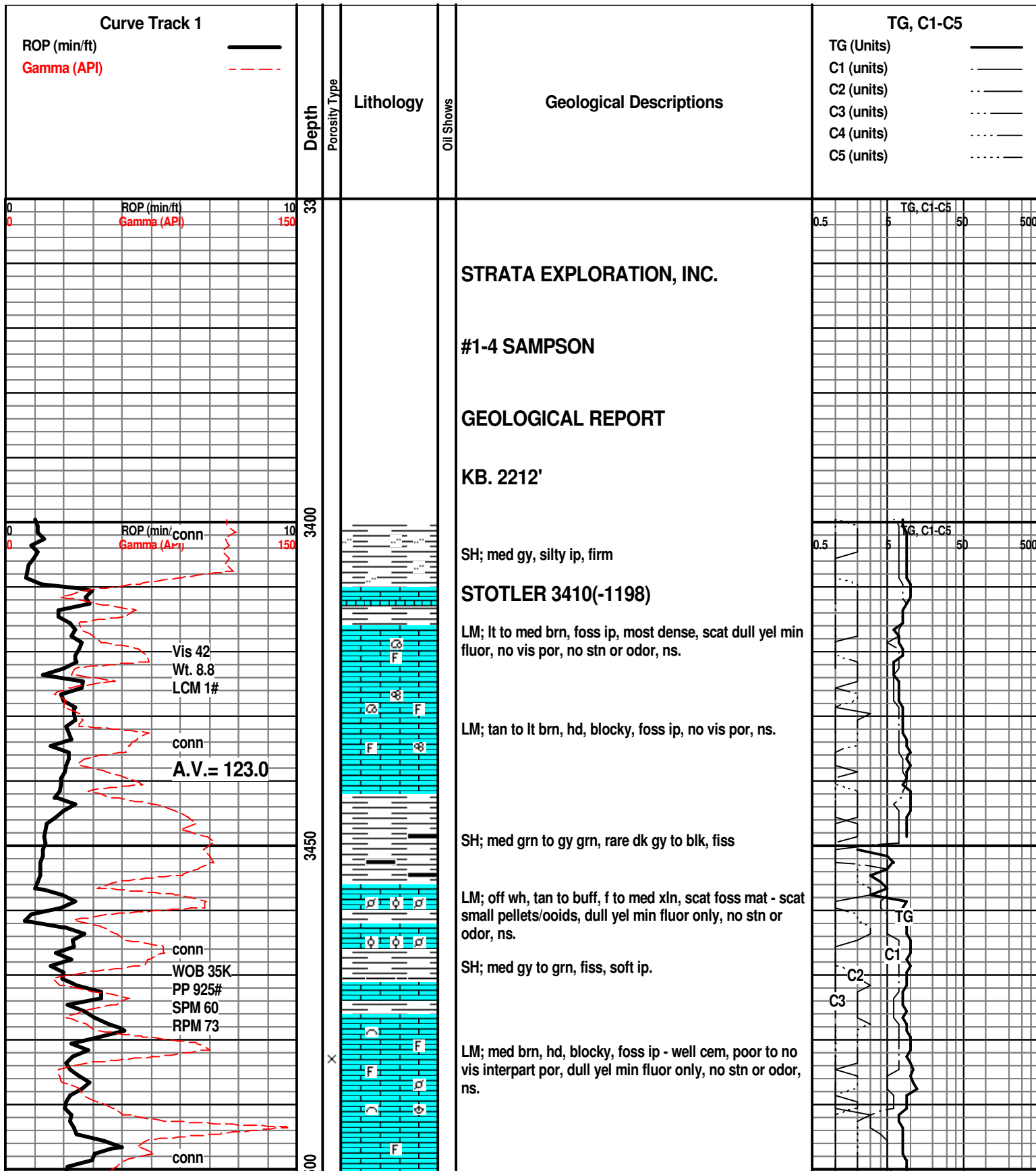
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

OIL SHOW
 [●] Even

- [●] Spotted
 [○] Ques
 [D] Dead

- INTERVAL**
 [■] Core
 [□] Dst

- EVENT**
 [▽] Rft
 [▲] Sidewall



Curve Track 1

ROP (min/ft)
 Gamma (API)

TG, C1-C5

TG (Units)
 C1 (units)
 C2 (units)
 C3 (units)
 C4 (units)
 C5 (units)

ROP (min/ft)
 Gamma (API)

TG, C1-C5

0.5 5 50 500

ROP (min/conn)
 Gamma (API)

TG, C1-C5

0.5 5 50 500

Vis 42
 Wt. 8.8
 LCM 1#

conn
 A.V.= 123.0

conn
 WOB 35K
 PP 925#
 SPM 60
 RPM 73

conn

STRATA EXPLORATION, INC.

#1-4 SAMPSON

GEOLOGICAL REPORT

KB. 2212'

SH; med gy, silty ip, firm

STOTLER 3410(-1198)

LM; lt to med brn, foss ip, most dense, scat dull yel min fluor, no vis por, no stn or odor, ns.

LM; tan to lt brn, hd, blocky, foss ip, no vis por, ns.

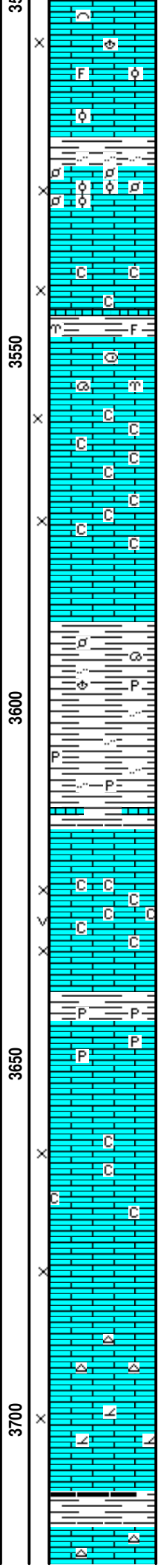
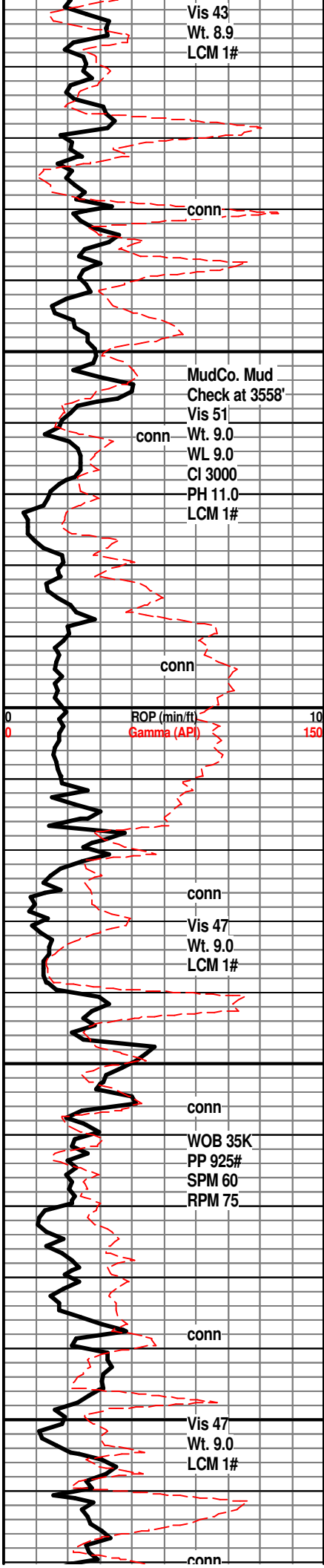
SH; med grn to gy grn, rare dk gy to blk, fiss

LM; off wh, tan to buff, f to med xln, scat foss mat - scat small pellets/ooids, dull yel min fluor only, no stn or odor, ns.

SH; med gy to grn, fiss, soft ip.

LM; med brn, hd, blocky, foss ip - well cem, poor to no vis interpart por, dull yel min fluor only, no stn or odor, ns.

TG
 C1
 C2
 C3



LM; off wh, tan to lt brn, scat foss mat, few ooids, other foss hash, most well cem, scat poor interpart por, rare dull yel min fluor, ns.

SH; med gy, silty ip.

LM; tan to pale yel, abnt foss pellets/ooids, med yel fluor, scat fair interpart por, no stn or odor, no gas kick, ns.

LM; off wh, tan, buff, cse xln w/occ soft chalky mtz, fair interxln por, lt yel fluor, no stn or odor, poss gas kick, no sample shows

SH; grn, gy grn, foss ip.

LM; tan to off wh, wh, foss to med xln, fair interxln por, occ soft chalky mtz, dull to lt yel min fluor, no stn or odor, ns.

LM; off wh, wh, fxln to sucrosic text, chalky mtz, gd interxln por ip, soft, dull yel min fluor, no stn or odor, no gas kick, ns.

SH; med to dk gy, foss ip, firm

SH; med gy, pyr ip, platy, occ silty, interbdd hd lmy shale

HOWARD 3617(-1405)

LM; tan to off wh, cream, med xln to occ gran text, much soft chalky mtz, fair to gd interxln w/scat vug por, lt yel fluor, no stn or odor, no gas kick, ns.

SH; med gy, grn, firm, occ pyr

LM; med/dk brn, hd, micritic, occ pyr, tite

LM; tan to buff, lt brn, fxln to med xln, fair to gd interxln por, scat soft chalky mtz, occ sucrosic lmst w/gd interxln por, dull yel fluor, no stn or odor, ns.

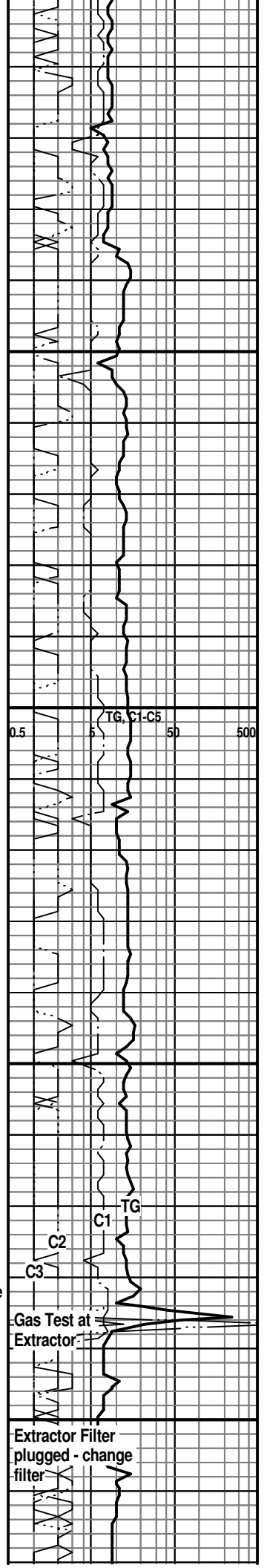
LM; tan to lt brn, gran to med xln, gd interxln por, scat foss mat, dull to lt yel fluor, no stn or odor, interbdd cse xln sparry lmst, ns.

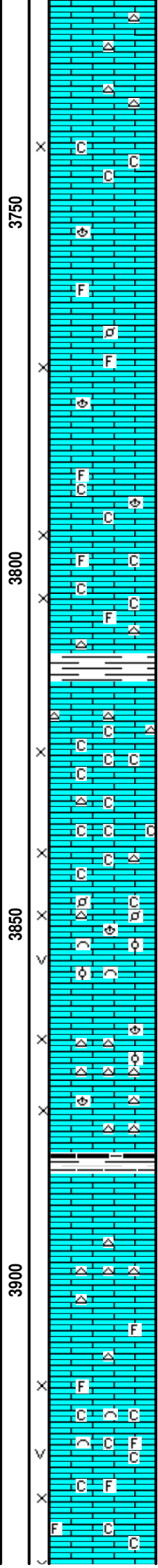
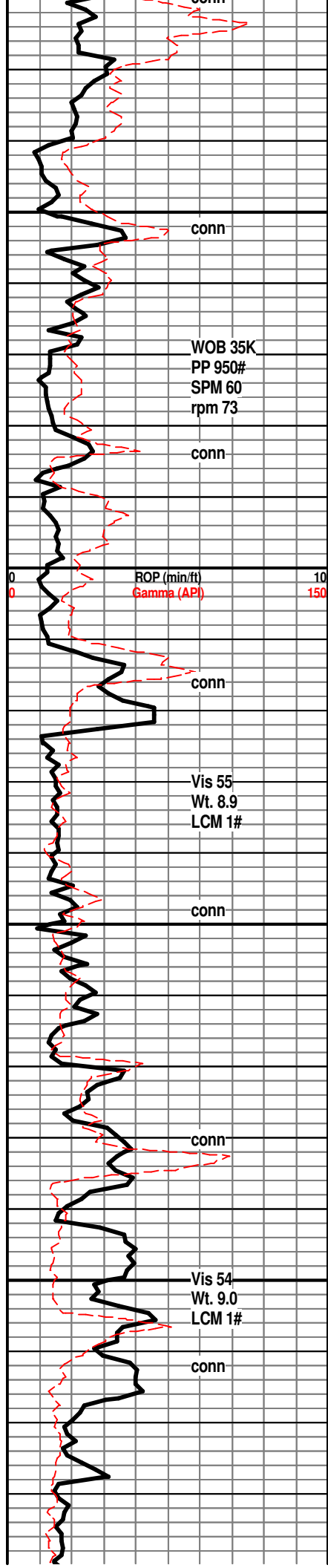
LM; tan to lt brn, sucrosic to fxln, partly dolomitic, gd interxln por, lt yel fluor, no stn or odor, ns.

SH; dk gy, occ blk, fiss

TOPEKA 3715(-1503)

LM; tan to lt brn, gy brn, shaly ip, some dense blocky





lmst, no vis por, no fluor, interbdd gy cht, ns.

LM; tan to off wh, buff, fxln, much soft chalky mtx, fair interxln por, minor gy cht, lt yel fluor, no stn or odor, n.s

LM; tan to lt brn, occ buff, f to med xln, scat fair interxln por, occ foss, scat dull to lt yel min fluor only, no stn or odor, ns.

LM; tan to cream, off wh, f to med xln, scat foss mat, fair to gd interxln por, chalky ip, occ lt yel fluor, no stn or odor, barren, ns.

SH; dk gy grn, fiss

LM; off wh, tan to cream, f to med xln, fair to gd interxln por, much soft chalk and chalky mtx, dull yel min fluor, occ cherty, ns.

LM; tan to lt brn, foss to gran text, well dev. interxln and interpart/vug por, lt yel min fluor only, no stn, ns.

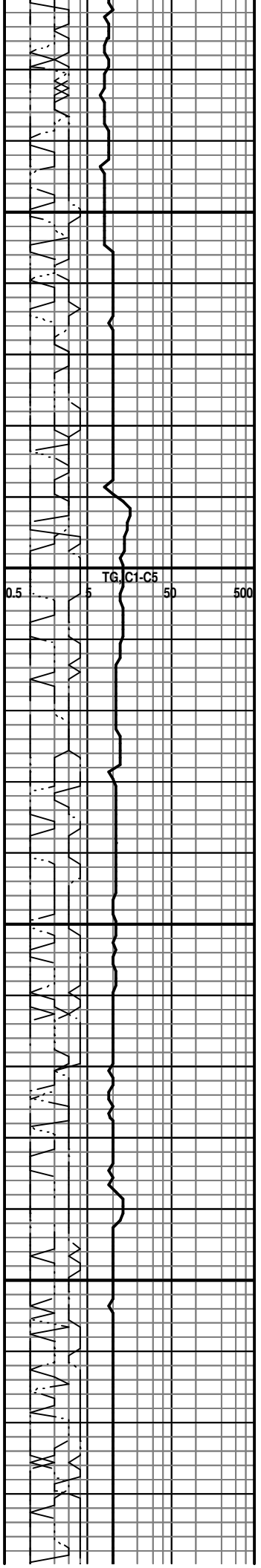
LM; off wh, lt gy, f to med xln, scat foss mat, bands of wh to off wh cht, fair interpart por, bcm tite, occ lt yel min fluor, ns.

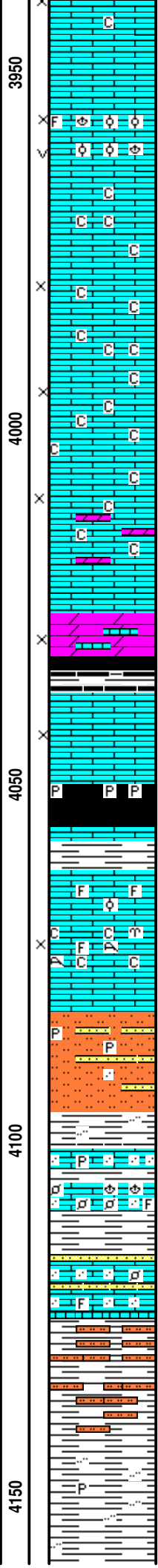
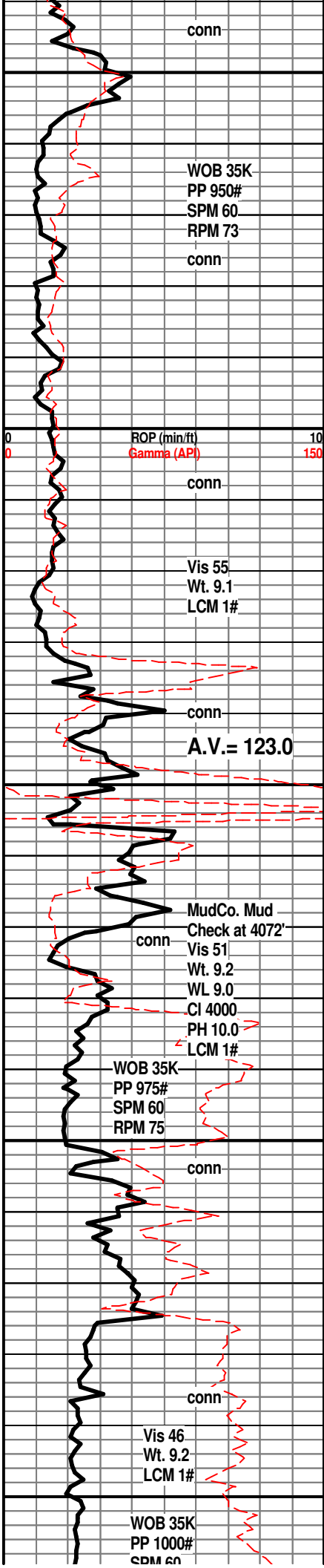
SH; dk gy to blk, firm, carb ip.

LM; tan to buff, lt brn, most dense, micritic, occ cherty, no vis por, ns.

LM; tan to lt gy, buff, foss, scat well dev. interpart and vug por, minor chalky mtx, dull yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to cream, rare lt gy, f to med xln, occ gran, gd interxln por. minor chalkv mtx. dull to lt vel min fluor.





ns.

LM; lt brn, cse xln, well dev. vug por, scat foss mat - oolitic ip, med yel min fluor, no stn or odor, no gas kick

LM; tan to lt brn, buff, off wh, med to occ cse xln, gd interxln por, occ chalky - soft, dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, buff, med xln, chalky mtx ip, interbdd sucrosic text dolo. lmt, fair to gd interxln por, dull yel min fluor only, no stn or odor, ns.

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

SH; dk gy, trc blk, fiss

LM; tan to lt brn, off wh, med xln w/occ cse spar calc xtals, fair/ poor interxln por, dull yel min fluor only, no stn or odor, ns.

HEEBNER SHALE 4050(-1838)
 SH; blk, carb ip, occ pyr, trc gas
 LM; med to dk brn, hd, micritic

TORONTO 4062(-1850)
 LM; tan to off wh, fxl, scat well cem foss, ns.

LM; tan to off wh, cream, med xln, scat foss mat, chalky - soft, fair interxln/interpart por, dull yel min fluor, no stn or odor, ns.

DOUGLAS SHALE 4082(-1870)

SLTST; lt gy, fiss, interbdd vf to f gr qtz mica occ pyr ss.

SH; lt to med gy, fiss, occ silty

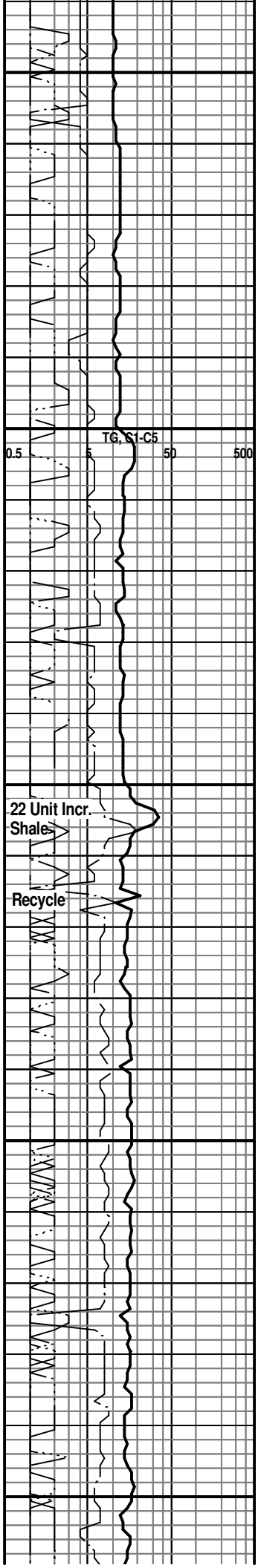
LM; med gy, sandy, pyr ip, hd

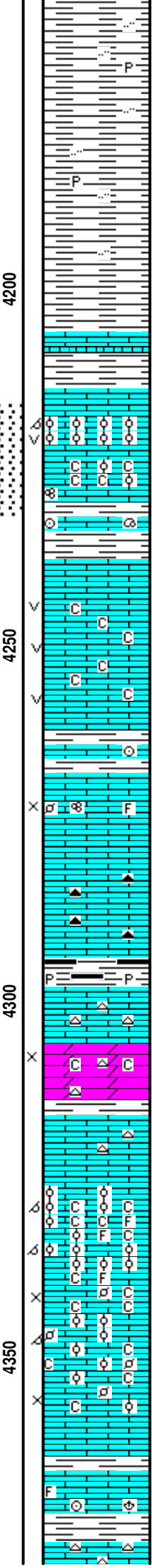
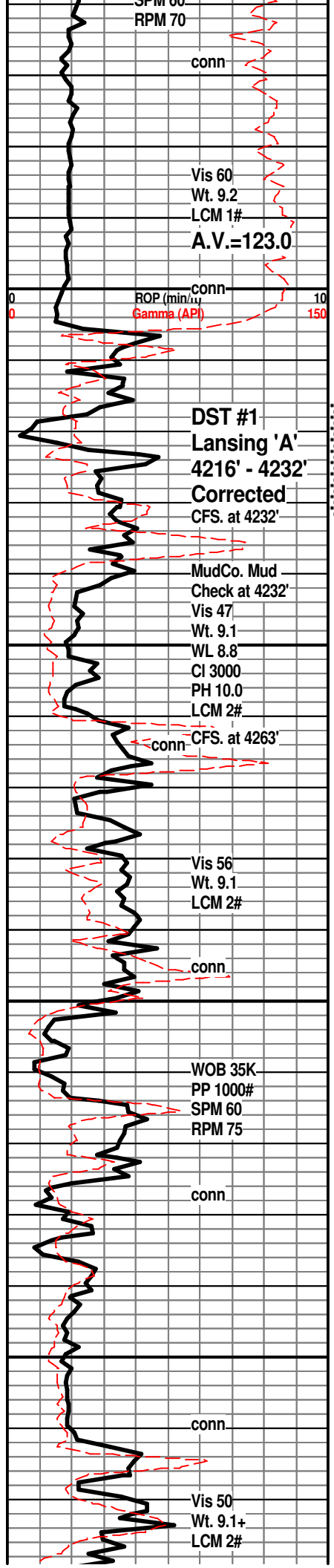
LM; dk gy brn, dk brn, v. foss-well cem, pelletal and hash, sandy ip, lt yel fluor, no stn, ns.

LM; med gy, sandy, foss ip, interbdd lmy ss, no vis por, tite, ns.

SH; lt to med gy, silty, interbdd sltst, occ mica

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





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

SH; med gy, smooth, rarely silty

BROWN LMST. 4206(-1994)
LM; med brn, hd, blocky, foss ip, tite

LANSING 'A' 4214(-2002)
LM; lt brn, tan, oolitic, well dev. oomoldic por, rare vug por, fair/gd oil odor when crushed, spotted to even med brn oil stn, SSFO, brite yel fluor, occ gas bubbles, interbdd off wh chalky partly oolitic soft lmst w/brite yel fluor

DST #1: Lansing 'A' 4218' - 4234' Corrected Depths to LOG

LANSING 'B' 4238(-2026)
LM; lt gy to tan, med to cse xln, abnt spar calc xtals, scat vug por, occ soft chalky mtx, dull to lt yel fluor, no vis stn, no odor, quest. gas bubbles

LM; lt gy to lt brn, med xln, occ spar calc xtals, scat lrg vug por, dull yel min fluor, occ soft chalky mtx, no stn or odor, no cut, ns.

SH; med gy, firm, platy, interbdd brn foss lmst.

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

LM; med brn, occ dk brn, most dense, micritic, interbdd amber/ brn/blk cht, tite

SH; dk gy, blk, platy, occ pyr

DOL; tan to buff, sucrosic, lmy ip, fair interxln por, occ wh cht, minor chalky mtx, ns.

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

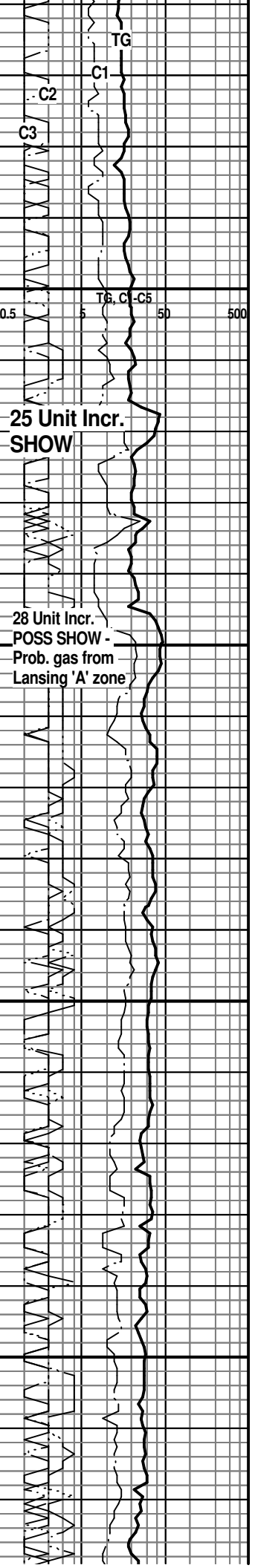
LM; off wh, cream to buff, f to med xln, scat foss - oolites, fair oomoldic por, much soft chalky mtx, lt yel fluor, no stn or odor, ns.

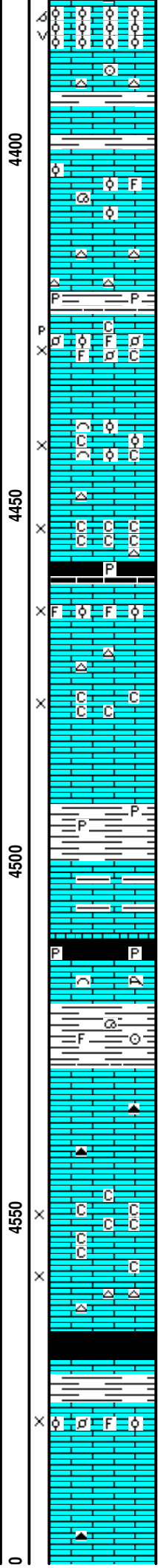
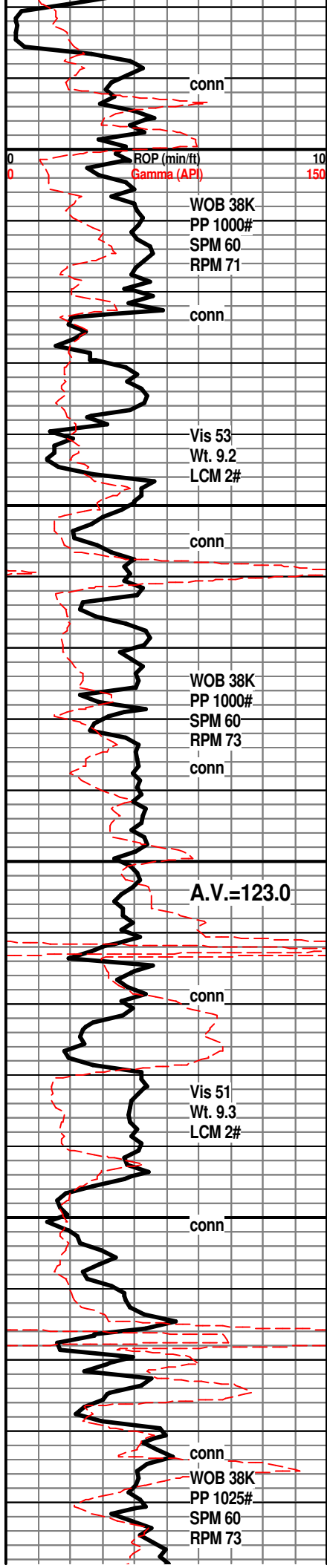
LM; tan to buff, off wh, foss, occ finely pelletal to oolitic, scat cse spar calc xtals, chalky mtx ip, fair interpart/oomoldic por, interbdd off wh to lt gy cht, lt yel min fluor, no stn or odor, ns.

SH; med to dk gy, firm, platy

LM; med to dk brn, foss ip, hd

LANSING/K.C. 'H' 4376(-2164)





LM; tan to brn, oolitic, med size molds w/well dev. oomoldic por, some rextalized, brittle - fri, rare vug por, lt yel fluor, no stn or odor, no gas kick, barren, ns.

SH; med gy, firm, platy

LM; off wh, buff, cream, foss ip, scat well cem oolites, most dense, lt yel min fluor only, ns.

LM; tan to lt brn, most dense-micritic, cherty ip, tite, ns.

K.C. 'I' 4423(-2211)
 LM; off wh, wh, cream, foss - finely pelletal, scat small oolites, fair interpart/p-p por, minor chalky mtx, lt yel fluor, no stn or odor, ns.

LM; tan to off wh, foss, gd interpart por, scat oolites, minor chalky mtx, lt yel min fluor only, no stn or odor, ns.

LM; off wh, wh, fxln, rare foss, poor interxln por, much soft chalky mtx, no stn, ns.

SH; dk gy, trc blk, platy, occ pyr

K.C. 'J' DENNIS 4461(-2249)
 LM; tan to lt brn, foss ip, scat small oolites and foss mat, most well cem, no fluor, no stn or odor, no gas kick, ns.

LM; tan to lt brn, cream, f to med xln, fair interxln por, occ chalky mtx, dull yel min fluor, no stn, ns.

SH; med to dk gy, pyr ip, firm

LM; med to dk gy, gy brn, hd, blocky, some argil lmst, tite,

STARK SHALE 4511(-2299)
 SH; blk, pyr ip, trc gas, platy, soft to brittle

LM; dk brn, foss ip, hd

SH; med gy to grn, foss ip, soft, platy

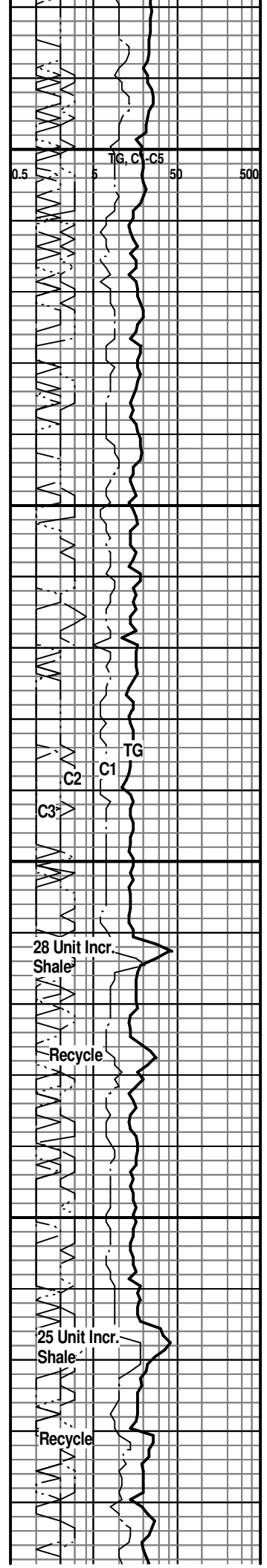
SWOPE 4529(-2317)
 LM; tan to off wh, rare lt brn, dense, blocky, tite, rare amber cht

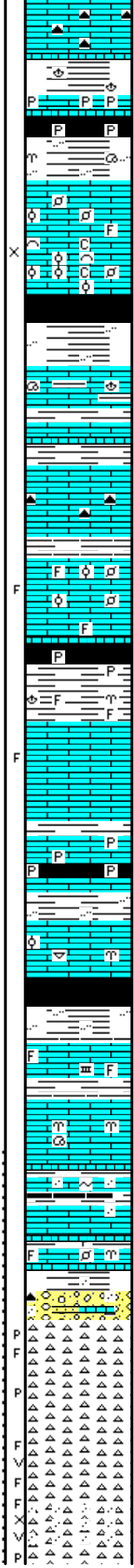
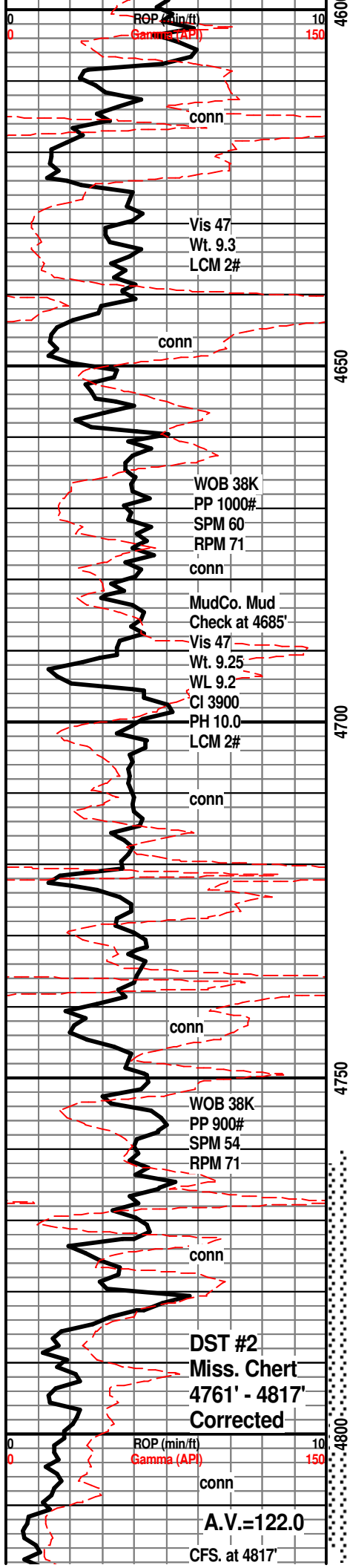
LM; off wh, tan to cream, buff, most med xln, fair to gd interxln por, much soft wh chalk and chalky mtx, scat cse xln - opaque sparry calc, lt yel fluor, no stn or odor, ns.

SH; blk, carb ip, soft, gassy

HERTHA 4576(-2364)
 LM; tan to off wh, foss - scat small pellets and oolites, most well cem, other foss hash, poor interpart por, no stn or odor, ns.

LM; med to dk brn, sandy text ip, hd, blocky, interbdd dk brn to smoky/blk cht, no vis por, ns.





BASE KANSAS CITY 4607(-2395)

SH; varic: grn, brn, red/brn, yel, foss

LM; dk brn, hd, dissemin pyr, tite

SH; dk gy - blk, pyr ip, coaly frags, also varic shales, occ silty, foss ip.

PLEASANTON 4624(-2412)

LM; med brn, foss - finely pelletal, hd, well cem, lt yel min fluor, no stn or odor, ns.

LM; off wh, wh, highly foss, oolitic, soft chalky mtz ip, poor interpart por, lt yel fluor, no vis stn, no odor, no gas kick, ns.

SH; varic: blk, grn, rust red, yel, silty ip, fiss

MARMATON 4650(-2438)

LM; lt gy, grn-brn, some grn argil lmst, foss ip, well cem, no vis por, no stn, ns.

LM; tan to lt brn, most dense, micritic, blocky, scat dk brn foss cht, no vis por, no stn or odor, ns.

LM; lt to med brn, most dense, blocky, scat well cem foss - pellets/ooids, trc blk tar/gilsonite, no live shows, poss. frags, dull yel fluor, no gas kick

SH; blk, fiss, pyr ip, w/grn occ foss waxy sh.

PAWNEE 4700(-2488)

LM; tan to lt brn, most dense, litho, hd, no vis por, poss frags - trc blk tar/gils, no fluor, no live shows, no gas kick(recycle only)

LM; med brn, rare tan, dense, pyr ip, tite

SH; blk, carb ip, hd - blocky, gassy, pyr ip.

LM; med brn, gy brn, hd, foss ip, well cem, no vis por, no stn or odor, ns.

CHEROKEE SHALE 4736(-2524)

SH; blk, brn, grn, med to dk gy, silty ip.

LM; tan to lt brn, buff, med xln, occ foss mat, no vis por, dull yel fluor, no stn or odor, ns.

LM; tan to med brn, most dense, blocky, hd, rare well cem foss mat, scat spar calc xtals, no vis por, no fluor, ns.

LM; med brn, glau ip, some sandy text, most well cem, scat dead blk tar/gils, dull yel fluor

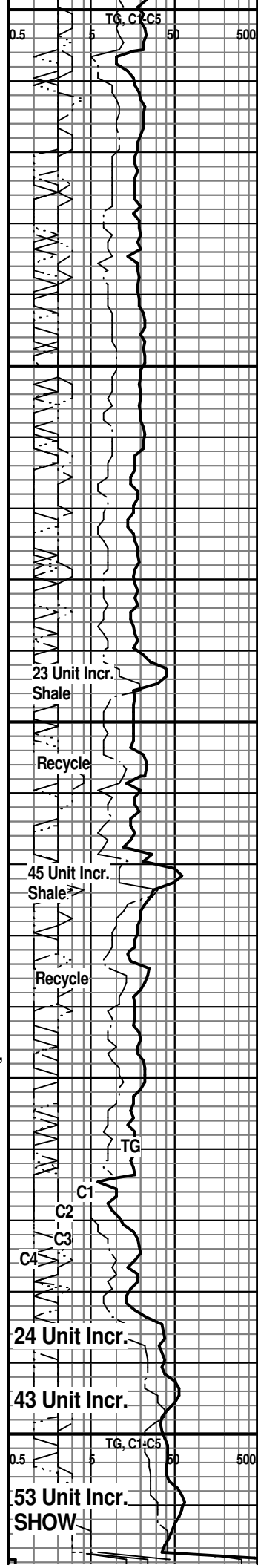
SH; varic: grn, lavender, brn, sandy ip, interbdd brn foss lmst.

MISSISSIPPI CHERT 4784(-2572)

CHT; wh, off wh, opaque, fresh and trip cht, much dk brn oil stn, frags, scat fair trip(p-p) por, oil stn on frac edges, faint gassy odor, med to occ brite yel fluor, SSFO, gas bubbles

CHT; wh, off wh, pale grn tint, incr. trip cht %, SFO, much brite yel fluor, faint/fair odor, gas bubbles, scat vug por, gd cut

CHT; wh, off wh, pale grn, very sandy/gritty text ip w/gd interxln por, sev. oil saturated pcs. of trip cht, gas bubbles, fair oil/gas odor, most w/brite yel fluor, frags, scat v. gd p-p(trip) and vug por, streaming cut



MudCo. Mud
Check at 4817'
Vis 51
Wt. 9.3
WL 8.4
CI 9200
PH 9.5
LCM 2#

conn

CFS. at 4857'
RTD.

4850

00

F
F
V
F
V



DST #2: Miss. Chert 4761' - 4817'
Corrected Depths to LOG
CHT; wh to off wh, most opaque, fresh and trip, frags and vug por, much brite yel fluor, faint odor, decreasing shows with depth in the chert
D CHT; wh, bone wh, nearly all fresh, opaque, scat vug por, few frags, rare blk tar/gils. on frac edges, v. scat oil stn, decr. shows, decr. fluor

KINDERHOOK SHALE 4848(-2636)
SH; med gy grn, grn, silty, firm, interbdd vf gr grn ss strngs

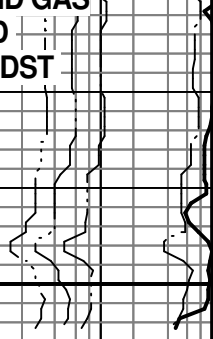
RTD. 4857' at 4:15 PM. 3/5/11

LTD. 4854'

Halliburton NEU/Den, DIL, Microlog

NOTE: This log was shifted upward 2' to correlate with the Halliburton LOGS.

**OIL AND GAS
IN MUD
FROM DST
#2**





PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	02/28/2011
INVOICE NUMBER		
1718 - 90533752		

Pratt (620) 672-1201
 B STRATA EXPLORATION
 I PO Box: 401
 L FAIRFIELD
 L IL US 62837
 T
 O ATTN:

J LEASE NAME Sampson 1-4
 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
40289755	19905		Net - 30 days	03/30/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 02/26/2011 to 02/26/2011				
0040289755				
171803617A Cement-New Well Casing/Pi 02/26/2011 Surface				
A Serv Lite	200.00	EA	9.75	1,950.00 T
Common	200.00	EA	12.00	2,399.99 T
Cello-flake	100.00	EA	2.78	277.50 T
Calcium Chloride	1,086.00	EA	0.79	855.23 T
Cement Gel	376.00	EA	0.19	70.50 T
Top Rubber Cement Plug 8 5/8"	1.00	EA	168.75	168.75
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.19	95.63
Heavy Equipment Mileage	60.00	MI	5.25	315.00
Depth Charge; 0-500'	1.00	HR	750.00	750.00
Proppant and Bulk Delivery Charges	543.00	MI	1.20	651.60
Blending & Mixing Service Charge	400.00	MI	1.05	420.00
Plug Container Utilization Charge	1.00	EA	187.50	187.50
Supervisor	1.00	HR	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,272.95
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	405.39
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,678.34
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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

FIELD SERVICE TICKET
1718 03617 A

4-285-18W

DATE _____ TICKET NO. _____

DATE OF JOB: 2-26-11		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER: Strata Exploration, Incorporated		LEASE: Sampson		WELL NO.: 1-4					
ADDRESS:		COUNTY: Kiowa		STATE: Kansas					
CITY:		STATE:		SERVICE CREW: C. Messick: M. Mattal: Jr Hunter					
AUTHORIZED BY:		JOB TYPE: C.N.W. - Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
37,216	.5						2-26-11	PM	2:30
						ARRIVED AT JOB		PM	4:45
19,903-19,905	.5					START OPERATION		PM	7:45
						FINISH OPERATION		PM	8:15
19,959-21,010	.5					RELEASED	2-26-11	PM	8:45
						MILES FROM STATION TO WELL	30		

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
CP106	AServLite Cement	sk	200	\$	2,600.00
CP100	Common Cement	sk	200	\$	3,200.00
CC102	Cellplate	Lb	100	\$	370.00
CC109	Calcium Chloride	Lb	1,086	\$	1,140.30
CC200	Cement Gel	Lb	376	\$	94.00
CF105	Top Rubber Plug, 8 5/8"	ea	1	\$	225.00
E100	Pickup Mileage	mi	30	\$	127.50
E101	Heavy Equipment Mileage	mi	60	\$	420.00
E113	Bulk Delivery	tm	543	\$	868.80
CE200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1,000.00
CE240	Blending and Mixing Service	sk	400	\$	560.00
CE504	Plug Container	Job	1	\$	250.00
S003	Service Supervisor	Job	1	\$	175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS \$ 8,272.95
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>Carano R. Messick</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



ASIC Energy Services, L.P.

TREATMENT REPORT

Customer Strata Exploration, Inc.	Lease No.	Date 2-26-11
Lease Sampson	Well # 1-4	
Field Order # 3617	Station Pratt, Kansas	Casing 8 7/8" 23Lb
Type Job C.N.W. - Surface	Depth 517 Feet	County Kiowa
	Formation	State Kansas
		Legal Description T-285-18W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 7/8" 23Lb/ft	Tubing Size 5 1/2"	Shots/Ft 200	From 0	To 517	Acid A Serv Lite with 38 Calcium Chloride, 25Lb/sk. cellflats	RATE 1.64 CU. FT./SK.	PRESS 1500	ISIP 5 Min.
Depth 517 Feet	Depth	From	To	13.3Lb./Gal., 8.24Gal./SK.	Pre Pad	Max		5 Min.
Volume 33 Bbl.	Volume	From	To	200sacks Common with 28 Gel, 38 Calcium Chloride, 25Lb./sk. cellflats	Pad	Min		10 Min.
Max Press 400	Max Press	From	To	15 Lb./Gal., 6.13 Gal./SK.	Frac	Avg		15 Min.
Well Connection Plug container	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 502 Feet	Packer Depth	From	To	Flush 32 Bbl. Fresh Water		Gas Volume		Total Load

Customer Representative Lanny Saloga	Station Manager David Scott	Treater Clarence R. Messick
---	--------------------------------	--------------------------------

Service Units	37,216	19,903	19,905	19,959	21,010				
Driver Names	Messick	Mattal	Hunter						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:45					Trucks on location and hold safety meeting.
5:30					Sterling Drilling start to run 12 Joints new 23Lb./ft 8 7/8" casing.
7:30					Casing in well. Circulate for 5 minutes.
7:40	350			5	Start Fresh Water Pre-Flush.
	375		10	5	Start mixing 200sacks A Serv Lite cement
	200		68	5	start mixing 200 sacks commencement.
	-0-		115		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
8:00	100			5	Start Fresh Water Displacement.
8:15	400		32		Plug down. Shut in well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
9:00					Job Complete.
					Thank You.
					Clarence, Mitre, Jr.



PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 03/08/2011
INVOICE NUMBER 1718 - 90539779		

Pratt (620) 672-1201
 B STRATA EXPLORATION
 I PO Box: 401
 L FAIRFIELD
 L IL US 62837
 T
 O ATTN:

J LEASE NAME Sampson 1-4
 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
40292904	19905		Net - 30 days	04/07/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 03/06/2011 to 03/06/2011				
0040292904				
171803626A Cement-New Well Casing/Pi 03/06/2011				
5 1/2" Longstring				
50/50 POZ	200.00	EA	8.25	1,649.91 T
60/40 POZ	50.00	EA	9.00	449.97 T
Cal-Set	840.00	EA	0.56	472.47 T
FLA-322	84.00	EA	5.62	472.47 T
KCL Potassium Chloride	453.00	EA	1.12	509.60 T
Gilsonite	1,200.00	EA	0.50	602.97 T
Latch Down Plug & Baffle 5 1/2" (Blue)	1.00	EA	299.98	299.98
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	269.98	269.98
Turbolizer 5 1/2" (Blue)	12.00	EA	82.50	989.94
5 1/2" Basket (Blue)	2.00	EA	217.49	434.98
Cement Scratchers Cable Type 5 1/2"	4.00	EA	56.25	224.99
Mud Flush	1,000.00	EA	0.64	644.96 T
CS-1L KCL Substitute	5.00	EA	26.25	131.24 T
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.19	95.62
Heavy Equipment Mileage	60.00	MI	5.25	314.98
Proppant and Bulk Delivery Charges	317.00	MI	1.20	380.38
Depth Charge; 4001-5000'	1.00	HR	1,889.90	1,889.90
Blending & Mixing Service Charge	250.00	MI	1.05	262.49
Plug Container Utilization Charge	1.00	EA	187.49	187.49
Supervisor	1.00	HR	131.24	131.24
Cello-flake	50.00	EA	2.77	138.74 T

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,554.30
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	370.28
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	10,924.58
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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

FIELD SERVICE TICKET

1718 03626 A

DATE _____ TICKET NO. _____

DATE OF JOB 3-8-11 DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER Strata Exploration		LEASE Sampson WELL NO. 1-4								
ADDRESS		COUNTY Kiowa 4-28-18 STATE KANSAS								
CITY STATE		SERVICE CREW A. Worth, M. Mathal, D. Phye								
AUTHORIZED BY		JOB TYPE: 5 1/2" Long String CNW								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
28493 P.T.	1 1/2						3-8-11			600
19903-19905	1 1/2					ARRIVED AT JOB	3-8-11			1030
19960-19962	1 1/2					START OPERATION	3-8-11			400
						FINISH OPERATION	3-8-11			530
						RELEASED	3-8-11			600
						MILES FROM STATION TO WELL	30 miles			

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 P02	SK	200		\$ 2200.00
CP103	60/40 P02	SK	50		\$ 600.00
CC102	CELL FLAKE	lb	50		\$ 185.00
CC113	Cal-set	lb	840		\$ 630.00
CC129	FIA-322	lb	84		\$ 630.00
C700	KCl Potassium Chloride	lb	453		\$ 679.50
CC201	Gilsonite	lb	1200		\$ 804.00
CF607	Latch down Plug + Baffle 5 1/2" Blue	EA	1		\$ 400.00
CF1251	Auto Fill Float Valve 5 1/2" Blue	EA	1		\$ 360.00
CF1651	Turbolizer 5 1/2" Blue	EA	12		\$ 1320.00
CF1901	5 1/2" BASKET Blue	EA	2		\$ 580.00
CF2001	Cement Scratchers cable Type 5/2	EA	4		\$ 300.00
CF151	MUD Flush	gal	1000		\$ 860.00
C704	CS-1L KCL Sub	gal	5		\$ 125.00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE **Allen F. Worth** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **[Signature]**
FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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 ~~03627~~ A

Continuation of

DATE _____ TICKET NO. 03626A

DATE OF JOB <u>3-8-11</u> DISTRICT <u>KANSAS</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>Strata Exploration</u>		LEASE <u>SAMPSON</u> WELL NO. <u>1-4</u>							
ADDRESS _____		COUNTY <u>kiowa 4-28-18</u> STATE <u>KANSAS</u>							
CITY _____ STATE _____		SERVICE CREW <u>A. Worth, M. Mathis, D. Phyc</u>							
AUTHORIZED BY _____		JOB TYPE: <u>5 1/2" Long String</u> <u>CRW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.U.</u>	<u>1 1/2</u>						<u>3-8-11</u>	<u>PM</u>	<u>600</u>
<u>19903, 19918</u>	<u>1 1/2</u>					ARRIVED AT JOB	<u>3-8-11</u>	<u>PM</u>	<u>1030</u>
<u>19960, 19918</u>	<u>1 1/2</u>					START OPERATION	<u>3-8-11</u>	<u>PM</u>	<u>400</u>
						FINISH OPERATION	<u>3-8-11</u>	<u>PM</u>	<u>530</u>
						RELEASED	<u>3-8-11</u>	<u>PM</u>	<u>600</u>
						MILES FROM STATION TO WELL	<u>30 miles</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
E100	unit milage charge Pickup	mi	30		\$ 127.50
E101	Heavy Equip milage charge	mi	60		\$ 420.00
E113	Bulk Delivery Charge	FM	317	506.40	\$ 506.40
CE205	Depth Charge 4000-5000'	1-4hr	1		\$ 2500.00
CE240	Blending & mixing Service chg.	SK	250		\$ 350.00
CE204	Plug container Utilization chg.	Job	1		\$ 250.00
S003	Service Supervisor first 8hrs on loc	EA	1		\$ 125.00

CHEMICAL / ACID DATA:			

SUB TOTAL		<u>DLS 10,554.30</u>
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>\$10,514.80</u>

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

FIELD SERVICE ORDER NO. _____



Energy services, L.P.

TREATMENT REPORT

Customer Strata Exploration	Lease No.	Date 3-6-11
Lease Sampson	Well # #1-4	
Field Order # 23626A	Station Pratt KS	County Kiowa
Type Job 5 1/2" Long String	Casing 5 1/2"	Depth 4850
	Formation CNW TO 4857'	Legal Description 4-28-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2"				24 BBls mud Flush				
Depth 4850'	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 115 Bbl	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 4836'	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative George Payne	Station Manager Scotty	Treater Allen
Service Units 28443 19903 19905 19960 19918		
Driver Names A. weath Mike Mahol Dale Phye		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30 AM					on Loc. Discuss safety, setup, Plan Job
11:45					Laying down Kelly, Rig up to Run 5 1/2 csg
					Start 5 1/2 csg. 15.5" shoe jt. 14.00'
					w/ float shoe, + L.D. Baffle in collar.
					Cent. 1-2-3-4-7-10-13-16-19-22-25-27
					Basket 8-11-4 scratchers on and jt.
111 pm					circ Hole w/ 65 Jts Ran
156					Start Running casing
300					Casing @ 4850 Hookup + circ
					+ Recip. Pipe.
	100#		20	5	Pump 20 Bbls mud Flush
			5	5	Pump 5 Bbls H2O
			6		Mix + Pump 48 Bbls 50/50 Poz @ 14'
			48		Finish mix wash out Pump + Line
440				7	Deep L.D. Plug, + Start Disp. 2% KCl
	700#			6	caught lift PSI w/ 85 Bbls out
500	1500		115	4	Plug down
	0#				Release PSI - 6#
					Plug Rat hole w/ 20 stk 60/40 Poz
					Plug Mouse Hole w/ 20 stk 60/40 Poz
					Washup + Rack up Equip.
600					Job complete thanks Allen-Mike Dale



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration INC
Po.Box 401
Fairfield IL
62837
ATTN: Jon Christensen

Sampson #1-4

4-28s-18w

Job Ticket: 41626

DST#: 1

Test Start: 2011.03.02 @ 22:23:59

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:56:29

Time Test Ended: 07:03:44

Test Type: Conventional Bottom Hole

Tester: Chris Staats

Unit No: 34

Interval: 4218.00 ft (KB) To 4234.00 ft (KB) (TVD)

Reference Elevations: 2212.00 ft (KB)

Total Depth: 4234.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6773

Inside

Press @ Run Depth: 174.28 psig @ 4219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.02

End Date:

2011.03.03

Last Calib.:

2011.03.03

Start Time: 22:24:04

End Time:

07:03:44

Time On Btm:

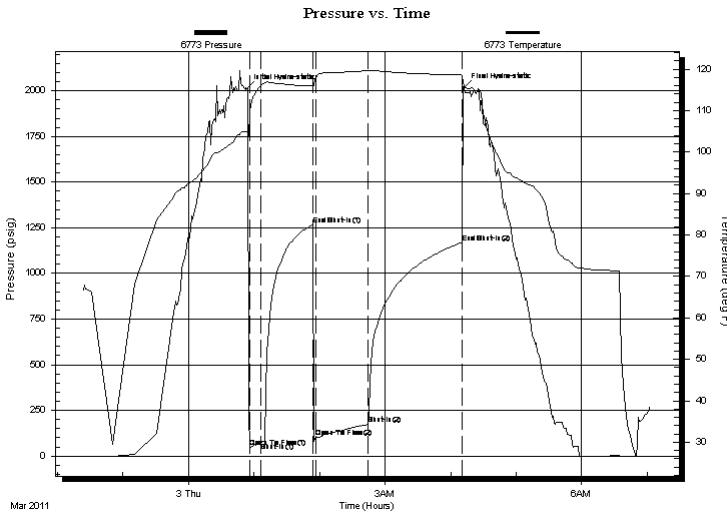
2011.03.03 @ 00:53:14

Time Off Btm:

2011.03.03 @ 04:12:14

TEST COMMENT: IF: Strong blow BOB 5 sec
IS: Weak blow back 3"
FF: Strong blow BOB 3 sec GTS 35 min
FS: Strong blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.08	104.80	Initial Hydro-static
4	47.86	109.98	Open To Flow (1)
13	77.43	115.97	Shut-In(1)
61	1267.25	115.93	End Shut-In(1)
64	100.81	118.02	Open To Flow (2)
112	174.28	119.62	Shut-In(2)
198	1169.46	118.54	End Shut-In(2)
199	2016.37	115.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GMOW 15%g15%m25%o45%w	0.58
180.00	MW 10%m90%w	1.91
3907.00	GIP	54.80

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration INC

Sampson #1-4

Po.Box 401

4-28s-18w

Fairfield IL

Job Ticket: 41626

DST#: 1

62837

ATTN: Jon Christensen

Test Start: 2011.03.02 @ 22:23:59

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	GMOW 15%g15%m25%o45%w	0.580
180.00	MW 10%g90%w	1.915
3907.00	GIP	54.805

Total Length: 4205.00 ft

Total Volume: 57.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

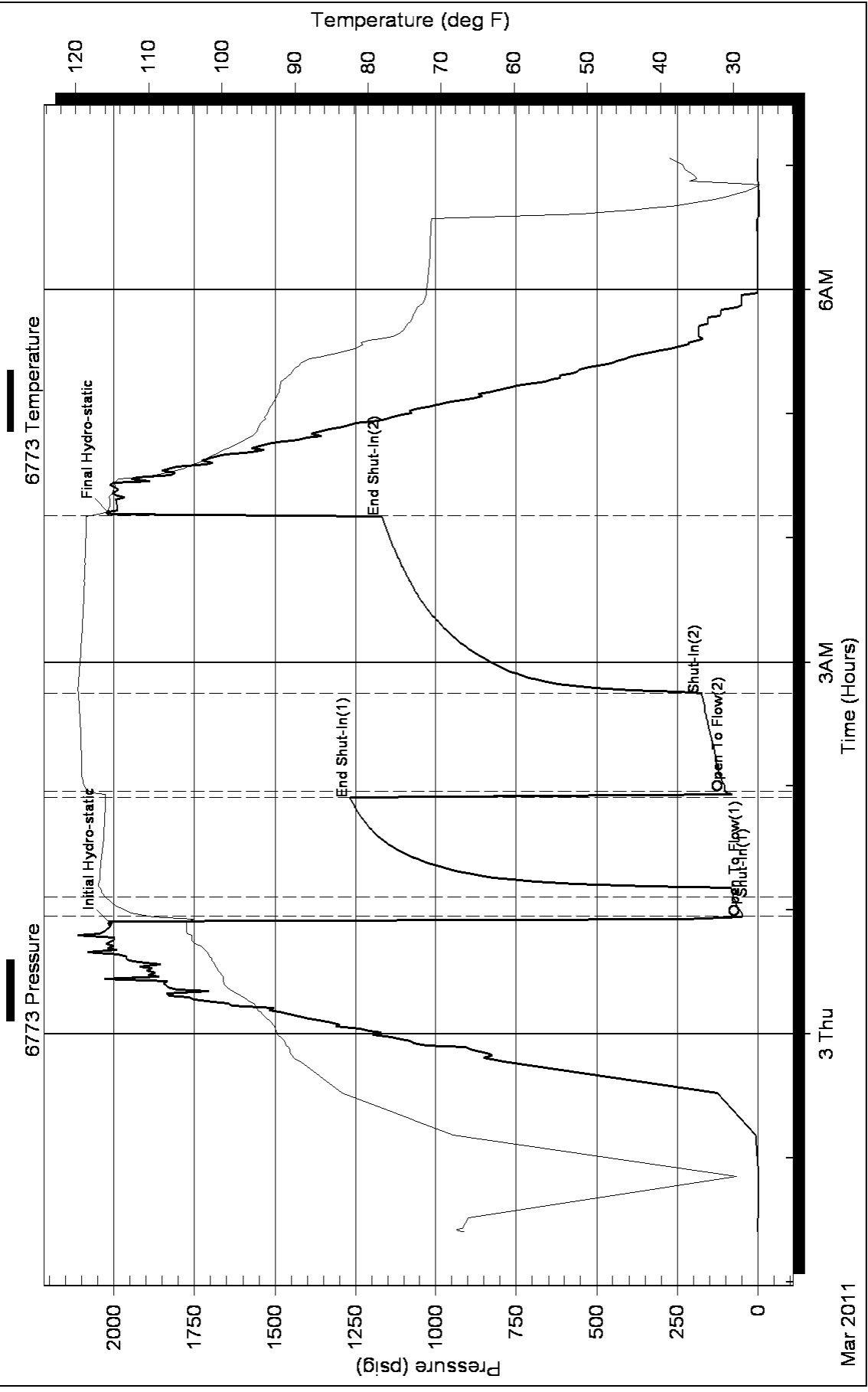
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield IL 62837

ATTN: Jon Christensen

4-28s-18w Kiowa KS

Sampson #1-4

Start Date: 2011.03.05 @ 03:13:59

End Date: 2011.03.05 @ 10:59:44

Job Ticket #: 41627 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration Inc.

Sampson #1-4

PO Box 401
Fairfield IL 62837

4-28s-18w Kiowa KS

Job Ticket: 41627

DST#: 2

ATTN: Jon Christensen

Test Start: 2011.03.05 @ 03:13:59

GENERAL INFORMATION:

Formation: **MISS CHERT**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:11:44

Time Test Ended: 10:59:44

Test Type: Conventional Bottom Hole

Tester: Chris Staats

Unit No: 34

Interval: 4763.00 ft (KB) To 4819.00 ft (KB) (TVD)

Reference Elevations: 2212.00 ft (KB)

Total Depth: 4234.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8166 Outside

Press @ Run Depth: 1248.67 psig @ 4764.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.05

End Date:

2011.03.05

Last Calib.:

2011.03.05

Start Time: 03:14:04

End Time:

10:59:43

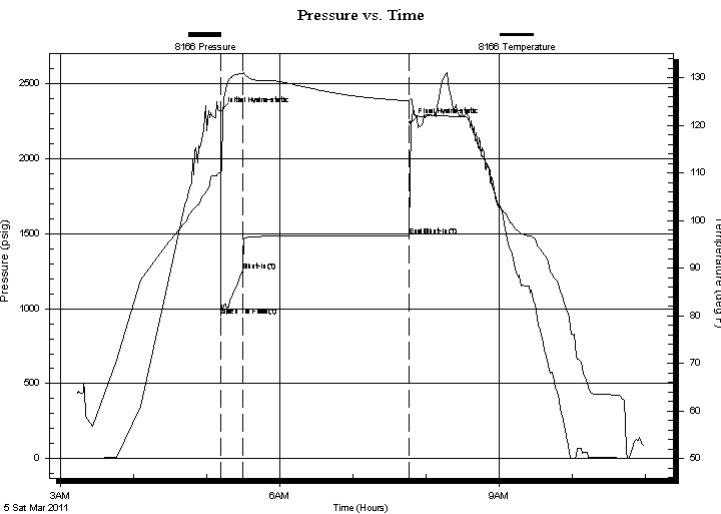
Time On Btm:

2011.03.05 @ 05:11:29

Time Off Btm:

2011.03.05 @ 07:47:14

TEST COMMENT: IF: Strong blow BOB 3 sec GTS 5 min
IS: Choke plugged off with hulls. Had oil to surface in approx 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.26	110.11	Initial Hydro-static
1	951.20	109.37	Open To Flow (1)
18	1248.67	130.94	Shut-In(1)
155	1483.96	125.16	End Shut-In(1)
156	2239.60	125.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	Gassy muddy oil 20% gas 85% oil 55 mu	0.60
4617.00	Oil	64.19

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

Sampson #1-4

PO Box 401
Fairfield IL 62837

4-28s-18w Kiowa KS

Job Ticket: 41627

DST#: 2

ATTN: Jon Christensen

Test Start: 2011.03.05 @ 03:13:59

Tool Information

Drill Pipe:	Length: 4563.00 ft	Diameter: 3.80 inches	Volume: 64.01 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 64.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	4763.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.00 ft				
Tool Length:	80.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	2.00			4741.00	
Shut In Tool	5.00			4746.00	
Hydraulic tool	5.00			4751.00	
Jars	0.00			4751.00	
Safety Joint	3.00			4754.00	
Packer	4.00			4758.00	24.00 Bottom Of Top Packer
Packer	5.00			4763.00	
Stubb	1.00			4764.00	
Recorder	0.00	8166	Outside	4764.00	
Recorder	0.00	6773	Inside	4764.00	
Drill Pipe	32.00			4796.00	
Perforations	20.00			4816.00	
Bullnose	3.00			4819.00	56.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

Sampson #1-4

PO Box 401
Fairfield IL 62837

4-28s-18w Kiowa KS

Job Ticket: 41627

DST#: 2

ATTN: Jon Christensen

Test Start: 2011.03.05 @ 03:13:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	Gassy muddy oil 20% gas 85% oil 55 mud	0.600
4617.00	Oil	64.190

Total Length: 4739.00 ft

Total Volume: 64.790 bbl

Num Fluid Samples: 0

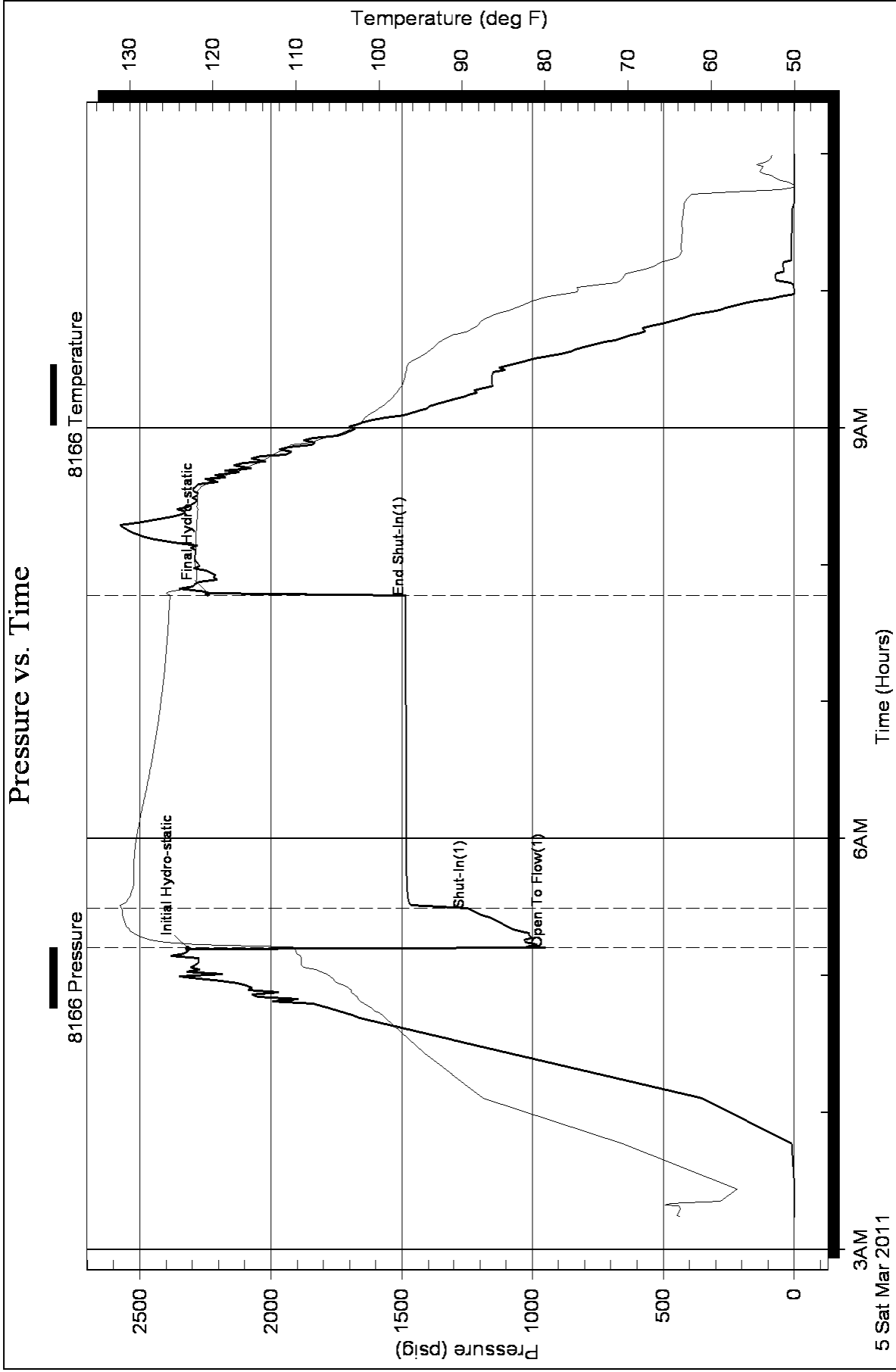
Num Gas Bombs: 0

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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 22, 2011

John R Kinney
Strata Exploration, Inc.
PO BOX 401
FAIRFIELD, IL 62837-0401

Re: ACO1
API 15-097-21684-00-00
Sampson 1-4
NW/4 Sec.04-28S-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,
John R Kinney