



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1077016
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: _____

1077016

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

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

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

WellSight Systems

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

Well Name: Heft #3-5
Location: 2590' FSL & 770' FEL, Sec. 5-T28S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21715-0000 Region: Einsel Field
Spud Date: 1/24/2012 Drilling Completed: 2/4/2012
Surface Coordinates: 2590' FSL & 770' FEL, Sec. 5-T28S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2216' K.B. Elevation (ft): 2227'
Logged Interval (ft): 3400' To: 4940' Total Depth (ft): 4940'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3220'; Chemical Gel 3220' to 4940'

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') 4236' - 4252'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong BOB Blow/30 Sec., FFP Strong BOB Blow/1 Min., no Blowback on SI's; REC: 989' Gas in Pipe, 2' GCM(5%G, 95%M), 67' WM(40%W, 60%M), 120' SW(CI 130,000, Mud 5500); IFP 13-46#, ISIP 1386#, FFP 53-106#, FSIP 1368#, IHP 2116#, FHP 2059#, BHT 116 Deg. F.

DST #2(Mississippi Chert) 4788' - 4848'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Fair to Strong Blow BOB/11 Min., FFP Strong Blow BOB/6 Min., no Blowback on SI's, no Gas to Surface; REC: 600' Gas in Pipe, 185' OCM(4%O, 96%M), No Water; IFP 30-64#, ISIP 1077#, FFP 81-106#, FSIP 1064# and Building, IHP 2530#, FHP 2354#, BHT 120 Deg. F.

DST #3(Mississippi Chert) 4848' - 4863'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/6.5 Min, FFP Strong Blow BOB/7.5 Min., 1" Blowback, no Gas To Surface; REC: 60' Gas in Pipe, 25' SOCMW(1%O, 29%M, 70%W), 496' SW(CI 120,000, Mud 10,400); IFP 43-203#, ISIP 1420#, FFP 210 - 479#, FSIP 1420#, IHP 2454#, FHP 2388#, BHT 127 Deg. F.

Comments

1/24/12 MIRU Sterling Drilling Co. Rig #1, Spud at 9:00 PM.; 1/25/12 TD. 573' - TOH to run 8 5/8" Surface Casing; 1/26/12 TD. 573' - WOC; 1/27/12 Drilling at 1170'; 1/28/12 Drilling at 2362'; 1/29/12 Drilling at 3208'; 1/30/12 Drilling at 3951'; 1/31/12 TD. 4248' - DST #1; 2/1/12 TD. 4512' - Bit Trip; 2/2/12 TD. 4736' - CFS; 2/3/12 TD. 4844' - TIH after DST #2; 2/4/12 Drilling at 4912' - Reached Total Depth of 4941' at 8:15 AM. - ran Halliburton Logs, LTD. 4942'; 2/5/12 RTD. 4940' - LDDP, Set 5 1/2" Production Casing.

Set new 8 5/8"(23#) Surface Casing at 561' w/ 450 sx. Cement did Circulate(Basic Energy Services). PD. at 4:20 AM. 1/26/12.

Set new 5 1/2" (15.5#) Production Casing at 4930' w/200 sx. "Strata Blend". PD. 5:00 PM. 2/5/12.

Surveys: 1 Deg. at 573'(Surface Casing), Second Survey at 573' after reaming to 14.75" = 0 Deg. deviation; 0.25 Deg. at 4248'(DST #1); 0.75 Deg. at 4844'(DST #2).

Pipe Strap at 4248'(DST #1): Strap 1.94' Short to the Board, no correction made to the Board.


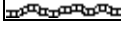
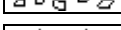
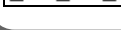
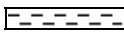


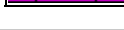



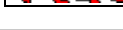
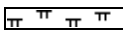

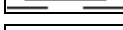
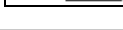
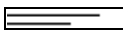

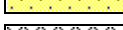
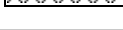
After review of the Halliburton Logs, DST data, and positive shows of Hydrocarbons, the operator elected to set new 5 1/2" Production Casing for completion in the Mississippi Chert.

LOG TOPS: Chase 2462(-235), Stotler Lmst. 3428(-1201), Howard 3633(-1406), Heebner Shale 4069(-1842), Toronto 4084(-1857), Brown Lmst. 4224(-1997), Lansing 'A' 4232(-2005), Lansing/KC. 'H' 4401(-2174), Stark Shale 4538(-2311), Hertha 4602(-2375), Base Kansas City 4638(-2411), Pleasanton 4655(-2428), Marmaton 4680(-2453), Pawnee 4724(-2597), Cherokee Shale 4764(-2537), Miss. Chert 4826(-2599), Kinderhook Shale 4895(-2668), Kinderhook Sand 4916(-2689).








































































NOTE: This log was shifted downward by 4' for correlation purposes with the Halliburton LOGS.

NOTE: This log was shifted downward by 2' 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  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**
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint

Vuggy

- SORTING**
- Well
 - Moderate
 - Poor

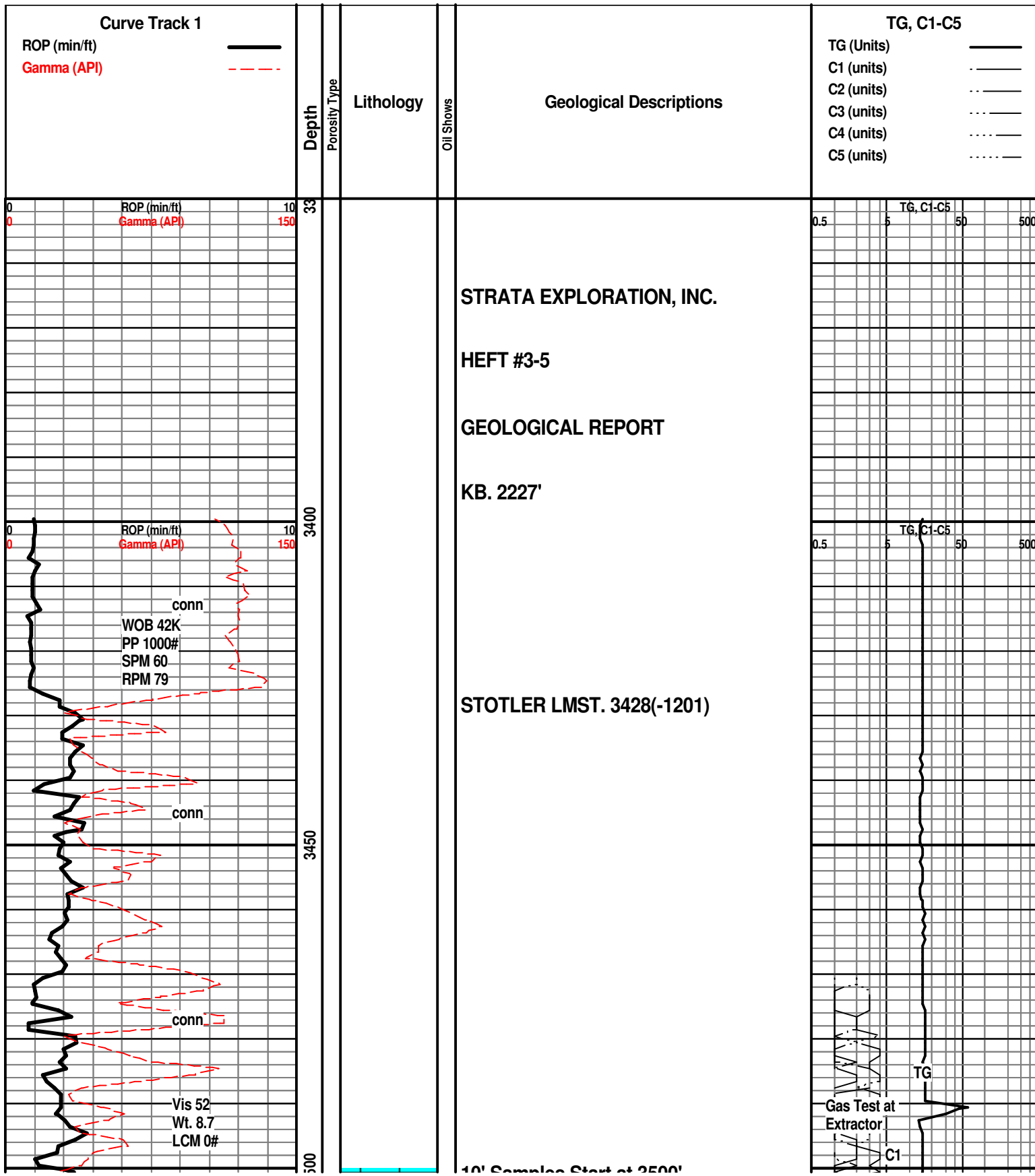
- ROUNDING**
- Rounded
 - Subrnd
 - Subang
 - Angular

OIL SHOW
 Even

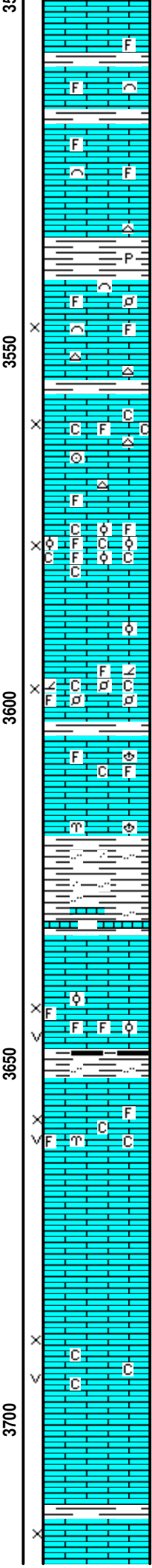
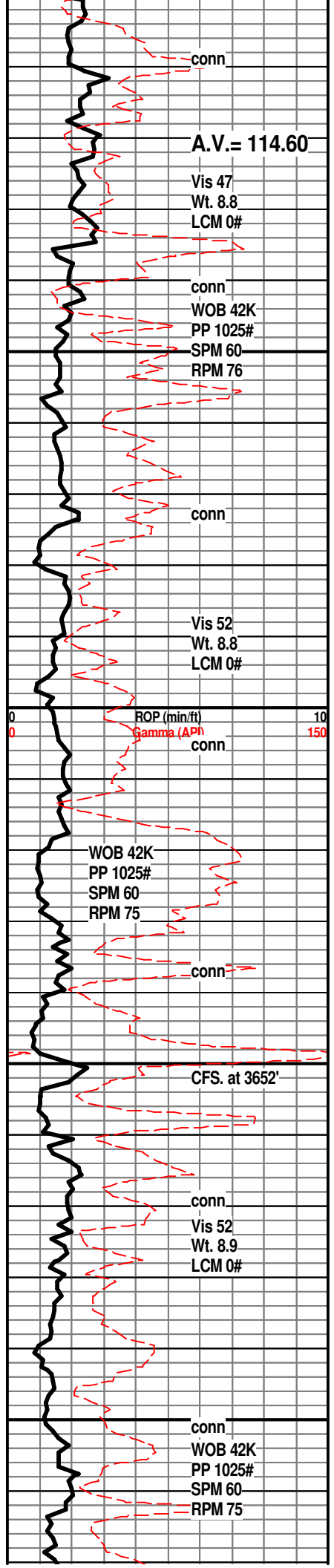
- Spotted
- Ques
- Dead

- INTERVAL**
- Core
 - Dst

- EVENT**
- Rft
 - Sidewall



10 Samples Start at 3500



LM; tan to med brn, foss ip, most well cem, poor interpart por, lt yel fluor, ns.

LM; off wh, tan, buff, foss ip, most dense, micritic, hd, no vis por, ns.

SH; med gy, platy, occ pyr

LM; tan to lt brn, v. foss, fair interpart por, lt to med yel fluor, occ foss gy cht, no stn or odor, no gas kick, ns.

LM; off wh, wh, fxln, v. chalky-soft ip, poor vis interxln por, lt yel min fluor, ns.

LM; tan to lt gy brn, hd, blocky, rarely foss, no vis por, scat gy foss cht, interbdd dk brn micrite, tite

LM; tan to buff, highly foss, minor chalky mtx, gd interpart por, rarely oolitic, lt yel fluor, no stn or odor, no gas kick, ns.

LM; off wh, buff, tan, fxln to sucrosic text, partly dolomitic, foss ip, fair to gd interxln por, interbdd finely pelletal lmst, dull to lt yel min fluor only, ns.

LM; tan to buff, gy brn, foss ip, poor interpart por, minor soft chalky mtx, dull/lt yel fluor, no stn or odor, no gas kick, ns.

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

HOWARD 3632(-1405)
LM; lt brn, dense, micritic, tite, blocky

LM; tan to cream, f to med xln, scat foss mat, fair to gd interxln por, occ small vug por, occ soft chalky mtx, no stn or odor, no gas kick, ns.

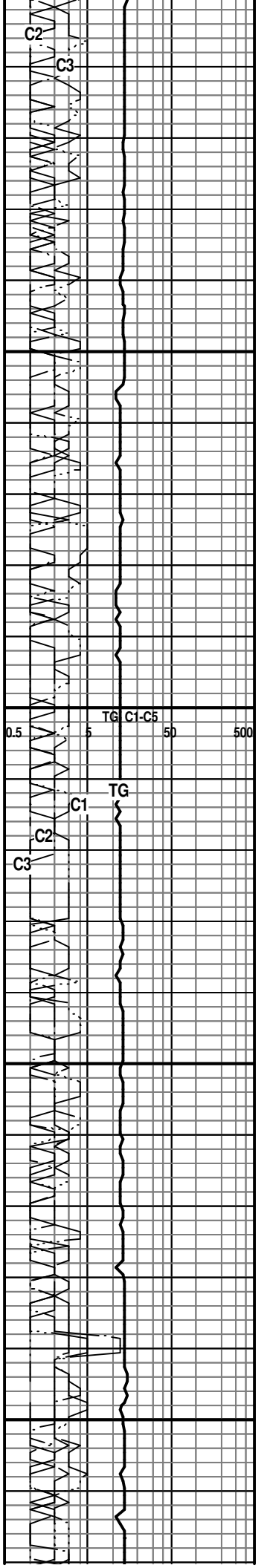
SH; med gy, some dk gy/blk, firm, platy, silty

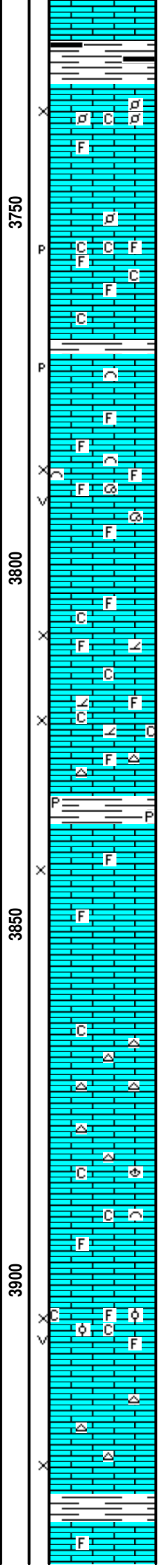
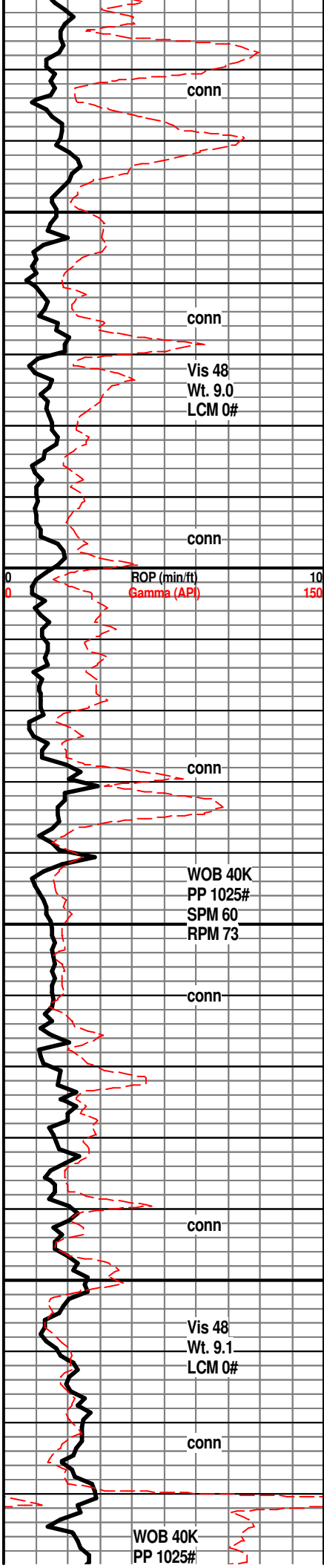
LM; tan to cream, buff, f to med xln, scat foss mat, occ soft chalky mtx, fair interpart por, rare small vug por, dull yel min fluor only, ns.

LM; tan to lt brn, off wh, fxln to dense - micritic, most blocky, tite

LM; off wh, cream, buff, f to occ med xln, fair interxln w/scat vug por, minor soft chalky mtx, lt yel min fluor, ns.

LM; tan to lt brn, fxln, scat med xln, fair interxln por,





interbddd med brn nd micrite, no fluor, no stn or odor, ns.

SH; med to dk gy, firm

TOPEKA 3732(-1505)

LM; lt brn, tan, buff, foss to finely pelletal ip, poor to fair interpart por, minor soft chalky mtx, no fluor, no stn, ns.

LM; tan to lt brn, foss ip, some gran text, fair interxln w/scat p-p por, minor soft chalky mtx, dull yel min fluor, ns.

LM; lt brn, tan, v. foss, scat gd interpart w/some well dev. vug por, much foss hash ip, dull yel min fluor, no stn, no gas kick, ns.

LM; off wh, tan, cream, foss to fxln, scat fair to gd interpart/interxln por, occ soft chalky mtx, interbddd dolomitic lmst w/sucrosic text, dull to lt yel fluor, no stn or odor, ns.

SH; dk gy, firm, platy, occ pyr

LM; tan to lt brn, buff, f to med xln, rarely foss, fair to gd interxln por, scat cse spar calc xtals, dull to lt yel min fluor, no stn, no gas kick, ns.

LM; off wh, tan, buff, fxln, occ foss mat, poor to fair interpart por, interbddd gy occ foss cht, no fluor, no stn or odor, ns.

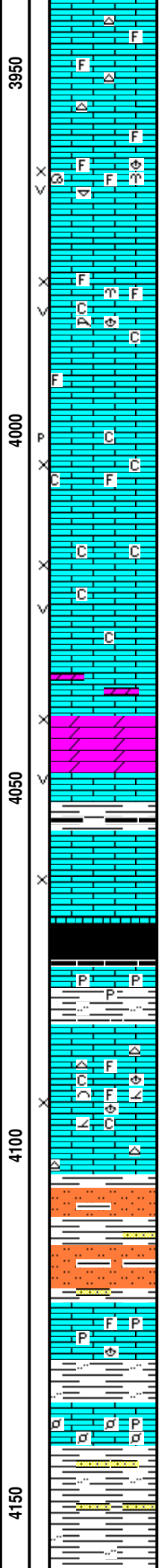
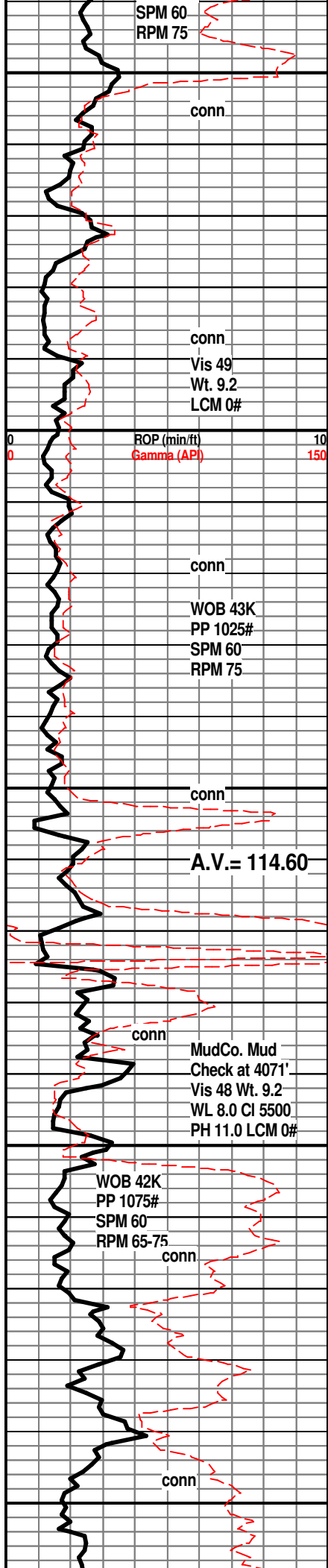
LM; tan to buff, lt brn, foss ip, scat dense blocky micrite, minor soft chalky mtx, no fluor, no stn or odor, ns.

LM; lt brn, foss - partly oolitic, some foss hash, fair interpart w/occ vug por, scat chalky soft mtx, lt yel fluor, no stn or odor, ns.

SH; dk gy, gy grn, trc blk, platy

LM; tan to lt brn. buff. foss ip. interbddd med xln lmst.





some tite, occ off wh to gy cht, no fluor, no stn or odor, ns.

LM; tan to lt brn, foss, scat well dev. interpart and small vug por, lt yel min fluor only, no stn odor, ns.

LM; tan to lt brn, buff, foss to med xln, some gran text, fair to gd interxln w/occ small vug por, minor soft chalky mtx, ns.

LM; tan to off wh, buff, foss ip, scat fair to gd interpart w/occ p-p por, soft chalky mtx, dull yel fluor, ns.

LM; off wh, tan, fxl n to sucrosic text, fair interxln w/occ vug por, lt yel min fluor, minor soft chalky mtx, no stn or odor, no gas kick, ns.

LM; tan to buff, fxl n, some sucrosic text, partly dolomitic w/interbdd dolomitic lmst, poor to fair interxln w/rare small vug por, dull yel min fluor, ns.

SH; dk gy, trc blk, platy

LM; tan to off wh, buff, foss ip, poor interpart por, scat chalky mtx, dull yel fluor, no stn or odor, ns.

HEEBNER SHALE 4069(-1842)
SH; blk, carb ip, blocky
LM; med brn, dense, micritic, pyr ip.

SH; grn, silty, occ pyr, soft/sticky ip.

TORONTO 4084(-1857)
LM; off wh, tan, lt gy, foss ip, hd, cherty ip, tite

LM; off wh, lt brn, med xln, scat sucrosic text - partly dolomitic, fair interxln por, scat foss mat, interbdd soft chalky mtx, lt yel fluor, no stn or odor, ns.

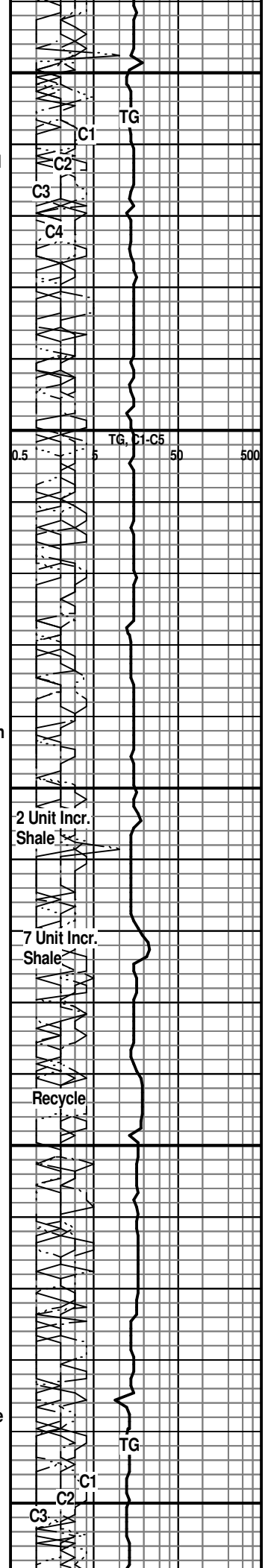
DOUGLAS SHALE 4103(-1876)
SH; lt gy, grn, silty w/interbdd slitst and shaly ss strngs.

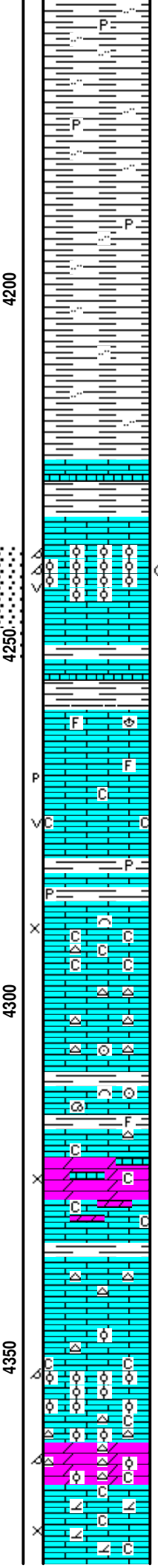
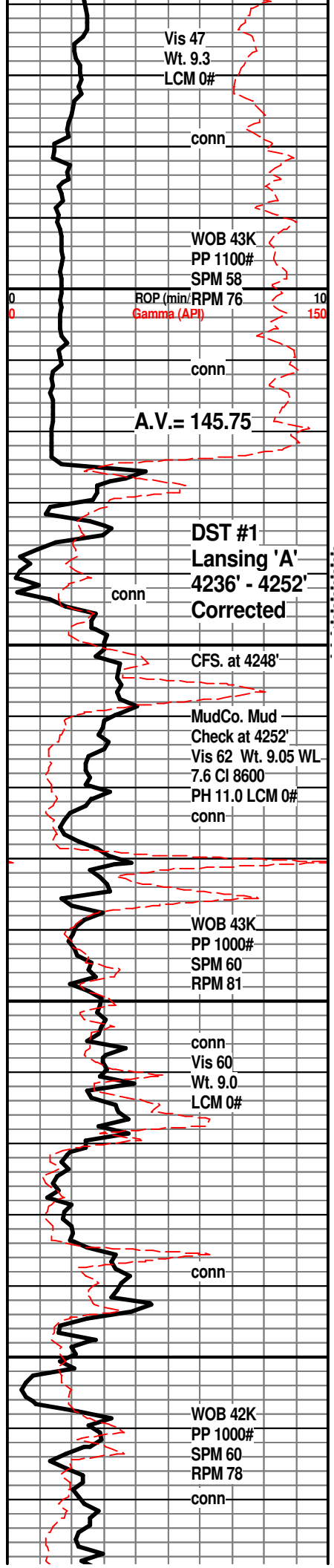
LM; med brn, dense, rarely foss, pyr ip, hd

SH; lt to med gy, silty ip.

LM; med to dk brn, foss - pelletal, well cem, occ pyr, tite

SH; lt to med gy, grn, silty ip, interbdd thin mica ss strngs.





SH; lt to med gy, silty ip, much smooth, rare dissem. pyr

SH; med gy, firm, platy to flakey, smooth, rarely silty

BROWN LMST. 4224(-1997)
LM; med to dk brn, dense, micritic, tite

LANSING 'A' 4232(-2005)
LM; lt to med brn, oolitic, med to occ lrg moldic por, occ vug por, brittle ip, med to brite yel fluor, gas bubbles, trc. dk brn oil stn, no odor, gas show

DST #1: Lansing 'A' 4236' - 4252' (Corrected to LOGS)

LANSING 'B' 4259(-2032)
LM; tan to lt gy brn, foss ip, most well cem, no vis por, dull yel fluor, ns.
LM; tan to lt/med gy, f to med xln, scat well dev. p-p and vug por, occ rextalized vugs, lt yel min fluor only, occ soft chalky mtx, no stn or odor, no gas kick, ns.
SH; med to dk gy, pyr ip.

LM; off wh, wh, tan, f to med xln, fair interxln por, much soft chalk and chalky mtx, lt yel min fluor, no stn or odor, interbdd gy occ foss cht, ns.

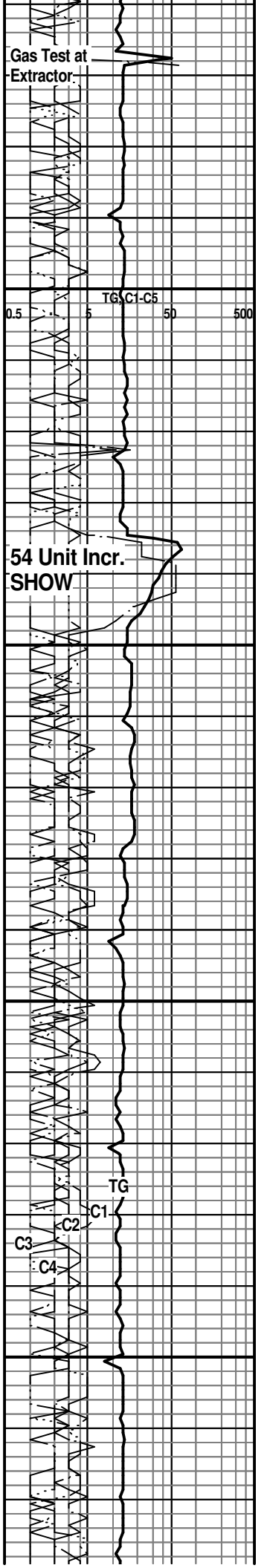
LM; lt to med brn, foss ip, most dense, tite
SH; grn, gy grn, foss ip, platy

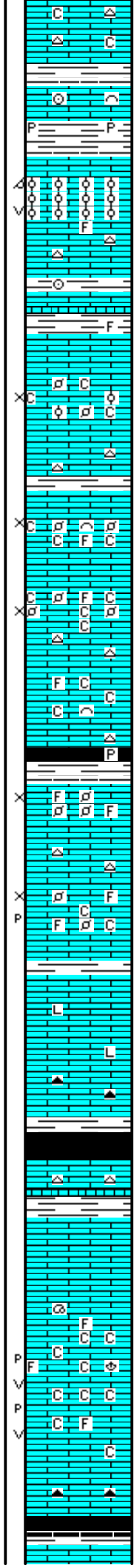
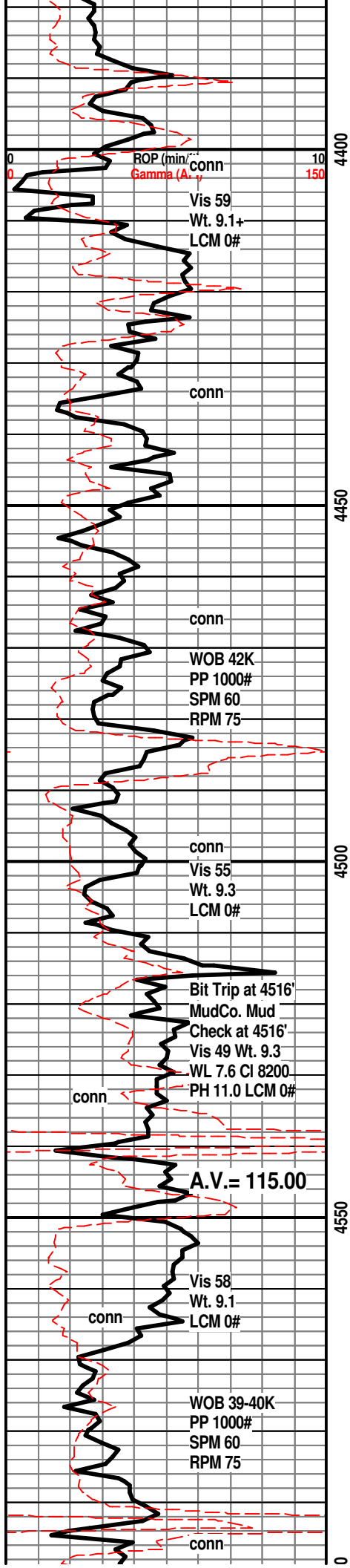
DOL; off wh, tan, buff, sucrosic to med rhombic, interbdd dolo. lmst w/foss mat, scat cse spar calc xtals, occ chalky mtx, lt yel fluor, no stn or odor, no gas kick, ns.

LM; lt brn, buff, hd, cherty ip, tite

LM; off wh, tan, foss - oolitic, med size molds, interbdd wh oolitic cht, minor chalky mtx, scat gd oomoldic por, lt yel fluor, no stn or odor, ns.

LM; off wh, lt brn, buff, much sucrosic text - partly dolomitic, some cse spar calc xtals, soft chalky mtx, dolomitic ip, fair interxln por, lt yel fluor, ns.





LM; tan to cream, buff, fxl n to dense, occ chalky mtx, poor/no vis por, no fluor, cherty ip, ns.

LM, med to dk brn, hd, foss ip, tite

SH; med to dk gy, firm, occ pyr

LANSING/K.C. 'H' 4401(-2174)

LM; tan to lt brn, oolitic, v. gd oomoldic por, occ vug por, scat foss mat, brittle, v. dull yel min fluor only, no stn or odor, no gas kick, ns.

LM; tan to lt brn, dense, occ cherty, tite

SH; grn, gy grn, fiss, foss ip.

LM; off wh, tan, foss, scat small pellets and oolites, partly chalky soft mtx, fair interpart por, no fluor, no stn, ns.

K.C. 'I' 4448(-2221)

LM; tan to buff, foss, scat small pellets, much soft chalky mtx, fair interpart por, dull to rarely lt yel fluor, no stn, no gas kick, ns.

LM; off wh, cream, buff, foss, finely pelletal ip, abnt soft chalky mtx, poor interpart por, minor gy cht, no fluor, ns.

LM; off wh, tan, wh, fxl n w/occ foss mat, chalky, soft, no fluor, ns.

SH; dk gy, blk, platy, occ pyr

K.C. 'J' DENNIS 4489(-2262)

LM; tan to lt brn, gran to foss, pelletal ip, loosely cem, fair interpart por, scat cse spar calc xtals, no fluor, no stn or odor, no gas kick, ns.

LM; tan to cream, lt brn, foss, partly oolitic, fair interpart w/occ p-p por, occ soft chalky mtx, rare gy to off wh cherty lmst, dull to lt yel fluor, no stn or odor, no gas kick, ns.

BIT OUT OF GAUGE - REAM BACK TO BOTTOM

LM; med to dk brn, dk gy, litho ip, blocky, micritic, scat smoky/dk gy cht

STARK SHALE 4538(-2311)

SH; blk, carb ip, trc gas

LM; med brn, gy brn, dense, cherty ip, tite

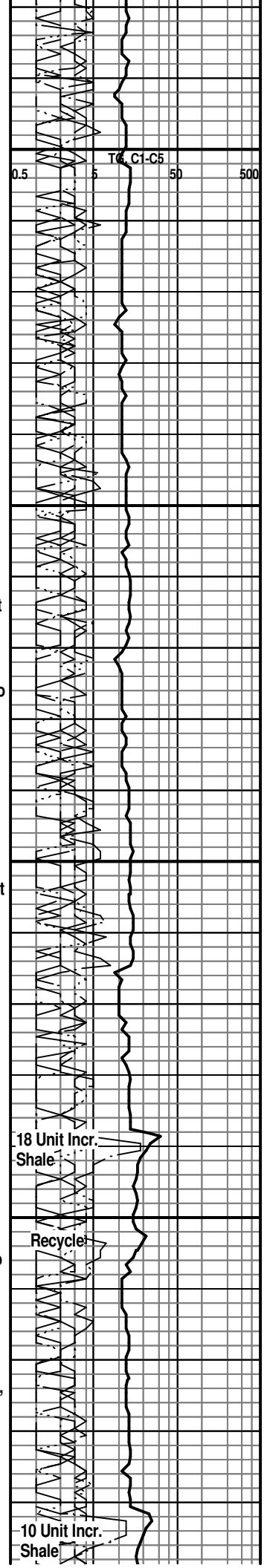
SWOPE 4550(-2323)

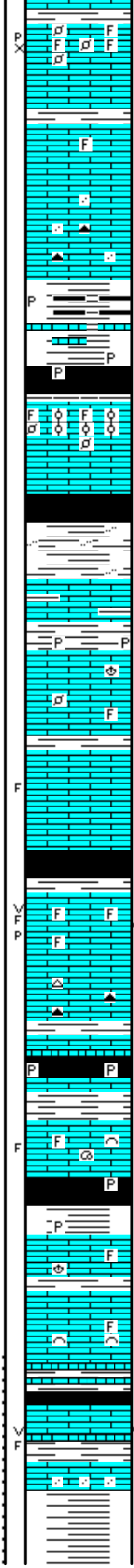
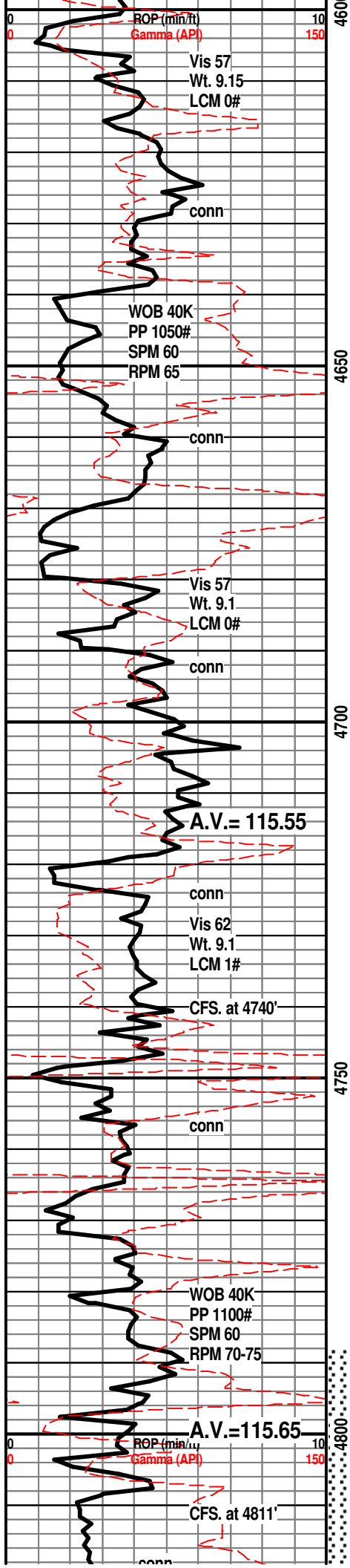
LM; lt gy, off wh, lt brn, most dense, micritic, blocky, no vis por, dull yel min fluor, ns.

LM; off wh, buff, med xln w/scat foss mat, well dev. p-p and small vug por, occ soft chalky mtx, no fluor, no stn, no odor, no gas kick, ns.

LM; med brn, blocky, dense, scat smoky/brn cht

SH; blk, carb ip, blocky, trc gas





HERTHA 4602(-2375)

LM; lt brn, gran to foss, pelletal ip, loosely cem foss, occ p-p por, dull yel min fluor only, no stn, no odor, no gas kick, barren

LM; med brn, gritty to occ sandy text, most well cem, interbdd dense litho lmst w/rare smoky cht, no vis por, no fluor, ns.

BASE KANSAS CITY 4638(-2411)

SH; varic: grn, brn, gy, maroon, dk gy to blk, occ pyr, fiss, interbdd lmy shale and thin lmst. strngs.

PLEASANTON 4655(-2428)

LM; off wh, tan, highly foss - oolitic at top, fairly well cem, lt yel min fluor, no stn or odor, lt yel min fluor, no gas kick, ns.

LM; med to dk brn, dense, tite

SH; med gy, grn, dk gy - blk, silty, soft, some varic. sh

MARMATON 4680(-2453)

LM; tan to buff, pale grn tint, argil ip, hd

SH; med gy, gy grn, firm, pyr ip.

LM; tan to buff, lt brn, occ foss, most well cem, some dense - micritic, hd, no vis por, no fluor, ns.

LM; tan to lt brn, most micritic, blocky, scat cse spar calc xtals, rare blk tar/gilsonite, poss frags, dull yel fluor, no odor, no live shows, most looks tite, no gas kick

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

PAWNEE 4724(-2497)

LM; tan to lt brn, fxln, scat foss mat, scat unconnected vug por, trc frags, spotted lt to med brn oil stn, no odor, few pcs. bleeding oil w/oil sheen/rainbow, fair/gd cut, occ p-p por also, med yel fluor, weak show - most looks tite

SH; blk, carb ip, trc gas, blocky to soft, occ pyr

LM; tan to lt brn, foss, most well cem, rare calc fld frags, no fluor, no vis por, ns.

CHEROKEE SHALE 4764(-2537)

SH; blk, dk gy, some varic, platy, occ pyr

LM; tan to lt brn, occ foss, most hd - dense, no vis por, no stn or odor, ns.

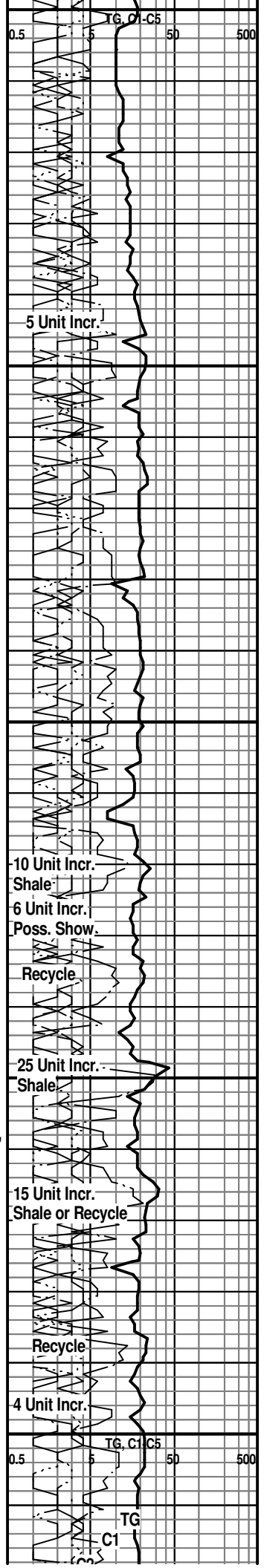
LM; lt brn, buff, tan, f to med xln, occ spar calc xtals, rare foss mat, trc blk tar/gils. in foss mat, poor/no vis por, no odor, no gas kick

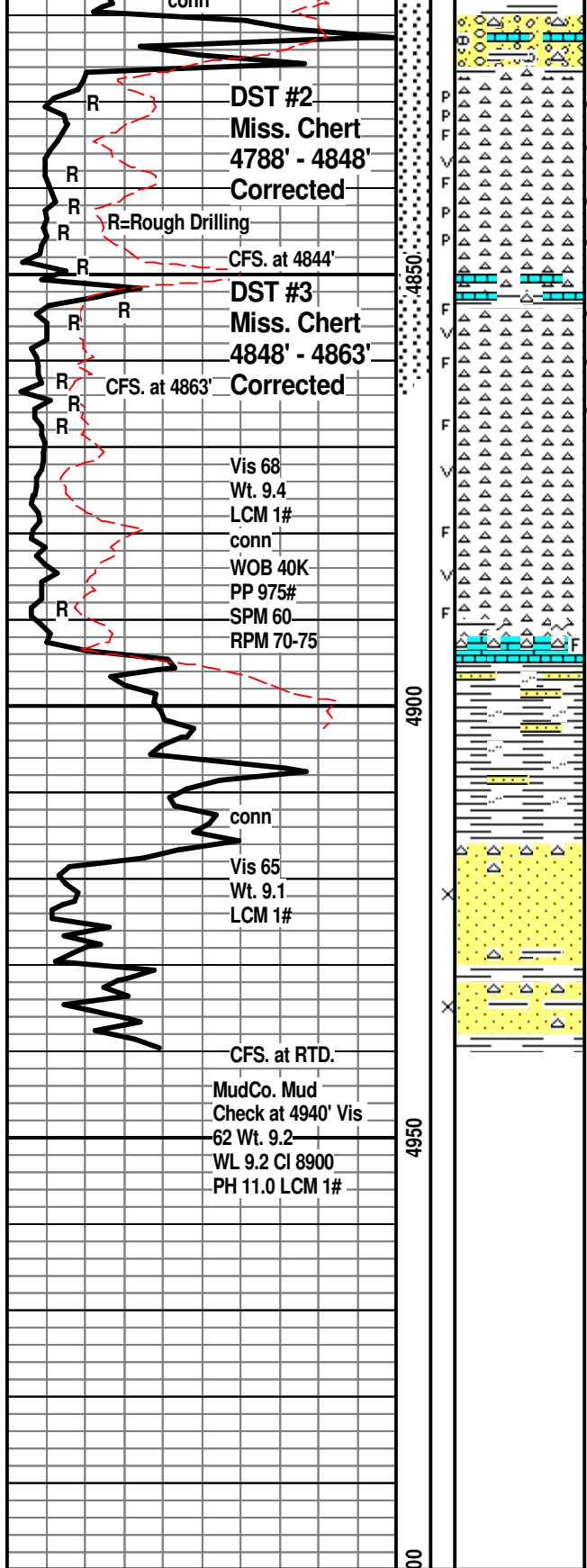
SH; dk gy - blk, platy, pyr ip.

LM; off wh, tan, buff, fxln, occ small vug por w/spotted dk brn stn, some tar/gils, v. faint odor, poss frags, v. weak show

LM; off wh, tan, sl. sandy - gritty, hd, no vis por, no stn or odor, no gas kick, ns.

SH; varic, maroon, grn, red, platy to flakey





DST #2
Miss. Chert
4788' - 4848'
Corrected

CFS. at 4844'

DST #3
Miss. Chert
4848' - 4863'
Corrected

CFS. at 4863'

Vis 68
Wt. 9.4
LCM 1#
conn
WOB 40K
PP 975#
SPM 60
RPM 70-75

conn
Vis 65
Wt. 9.1
LCM 1#

CFS. at RTD.
MudCo. Mud
Check at 4940' Vis
62 Wt. 9.2
WL 9.2 Cl 8900
PH 11.0 LCM 1#

CONGL; weath lrg lmst nodules, cse lmst frags w/gilsonite-tar, varic cht, dense

MISSISSIPPI CHERT 4826(-2599)
 CHT; grn, pale grn, wh, grainy - tripolite, spotted med brn stn, fair odor, med/brite yel fluor, p-p and vug por, SFO, occ dead/residual oil, occ gas
 CHT; off wh, wh, pale grn, grainy - tripolite, fair to gd p-p/occ vug por, much med/brite yel fluor, faint odor, SFO, gas bubbles, some fresh cht w/occ frags, hd cherty lmst/shaly cht interbdd

DST #2: Miss. Chert 4788' - 4848'
 CHT; wh, off wh, fresh and trip, trip w/gd even lt brn stn w/SFO, scat frags w/oil stn, definite decrease in show, scat brite yel fluor, trc vug por, faint odor, gas kick missed by plugged extractor - there was a recycle

DST #3: Miss Chert 4848' - 4863'
 CHT; wh, off wh, transl, fresh w/rare trip, most sharp edges, occ frags, 5% w/brite yel fluor, trc spotted lt brn stn and gas bubbles, most barren of show, rare vug por

CHT; wh, off wh, occ transl, most fresh, scat frags and vug por, trc grn glau clay inclusions - shaly ip, no fluor, no stn or odor, barren

LM; tan to off wh, med xln, foss ip, tite

KINDERHOOK SHALE 4895(-2668)
 SH; med gy to grn, silty to sandy, interbdd thin grn vf to occ f gr qtz ss strngs, firm

KINDERHOOK SAND 4916(-2689)
 SS; clr, lt gy, f gr qtz, clusters, some qtzitic - siliceous, cherty ip, fair intergran por, no fluor, no stn or odor, barren, ns.

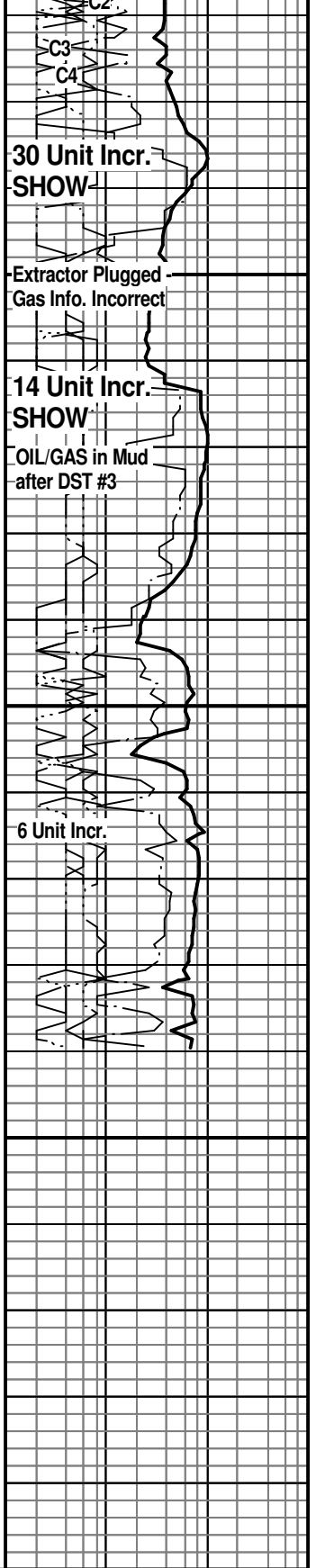
SS; wh, lt gy, clr, f gr qtz, clusters, well srt, fair to gd intergran por, some argil - interbdd shaly ss and sandy sh, no fluor, no stn or odor, ns.

RTD. 4940' at 8:15 AM. 2/4/12

LTD. 4942'

Halliburton DIL, NEU/DEN/ Microlog, MIRL

NOTE: This log was shifted downward by 4' for correlation purposes with the Halliburton LOGS.



30 Unit Incr.
SHOW

Extractor Plugged
Gas Info. Incorrect

14 Unit Incr.
SHOW

OIL/GAS in Mud
after DST #3

6 Unit Incr.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44146

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.01.31 @ 00:59:38

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:47:53

Time Test Ended: 10:12:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: 4232.00 ft (KB) To 4248.00 ft (KB) (TVD)

Total Depth: 4248.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2227.00 ft (KB)

2216.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ RunDepth: 105.69 psig @ 4233.00 ft (KB)

Start Date: 2012.01.31

End Date:

2012.01.31

Start Time: 00:59:39

End Time:

10:12:53

Capacity: 8000.00 psig

Last Calib.: 2012.01.31

Time On Btm: 2012.01.31 @ 04:46:38

Time Off Btm: 2012.01.31 @ 08:04:08

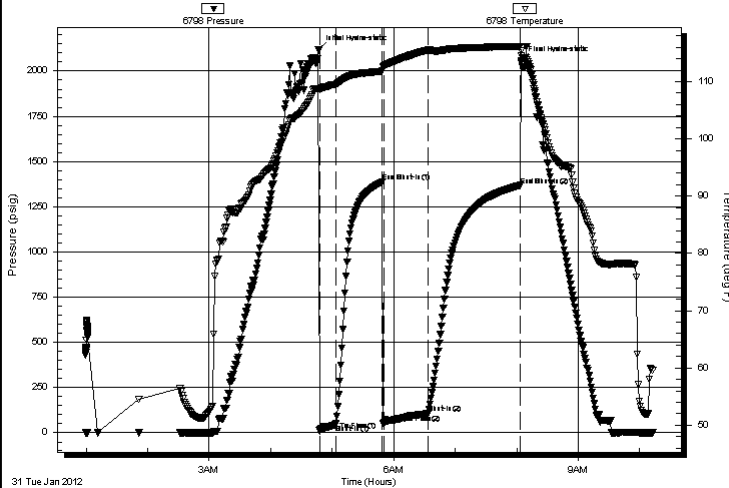
TEST COMMENT: IF: Strong Blow , BOB in 30 seconds

IS: No Blow back

FF: Strong Blow , BOB in 1 minute

FS: No Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2116.32	108.66	Initial Hydro-static
2	12.90	108.70	Open To Flow (1)
17	46.10	109.53	Shut-In(1)
62	1385.58	111.81	End Shut-In(1)
64	52.61	112.68	Open To Flow (2)
108	105.69	115.55	Shut-In(2)
197	1368.27	116.15	End Shut-In(2)
198	2058.60	115.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	989 Feet GIP	0.00
120.00	Water	0.59
67.00	WCM 40%W 60%M	0.33
2.00	GCM 5%G 95%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44146

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.01.31 @ 00:59:38

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:

130000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	989 Feet GIP	0.000
120.00	Water	0.590
67.00	WCM 40%W 60%M	0.329
2.00	GCM 5%G 95%M	0.010

Total Length: 189.00 ft

Total Volume: 0.929 bbl

Num Fluid Samples: 0

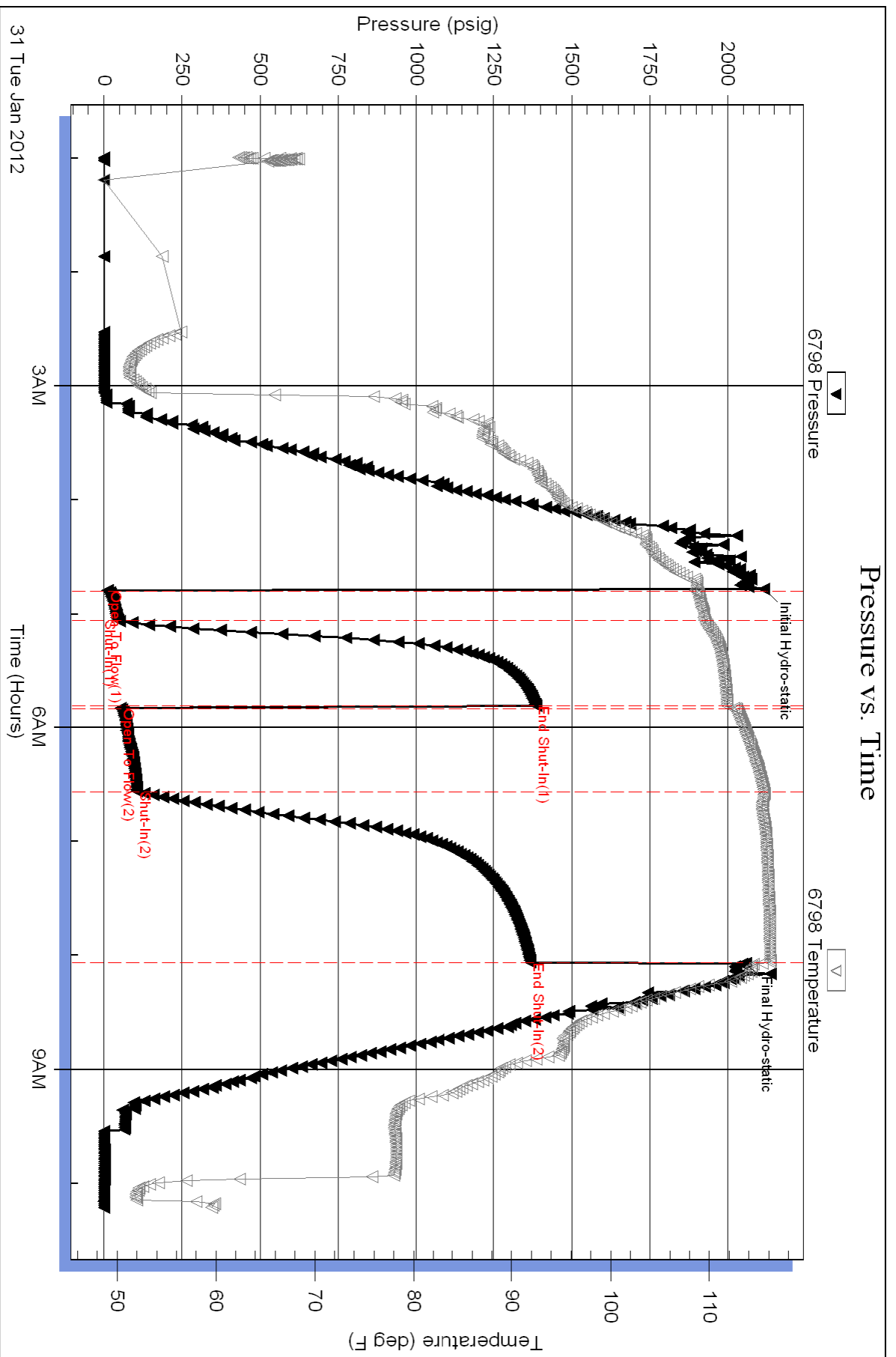
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .09 @ 52 degrees





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44147

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.02.02 @ 20:19:43

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:34:43

Time Test Ended: 05:36:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4784.00 ft (KB) To 4844.00 ft (KB) (TVD)

Reference Elevations: 2227.00 ft (KB)

Total Depth: 4844.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 106.55 psig @ 4785.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.02

End Date:

2012.02.03

Last Calib.:

2012.02.03

Start Time: 20:19:44

End Time:

05:36:28

Time On Btm:

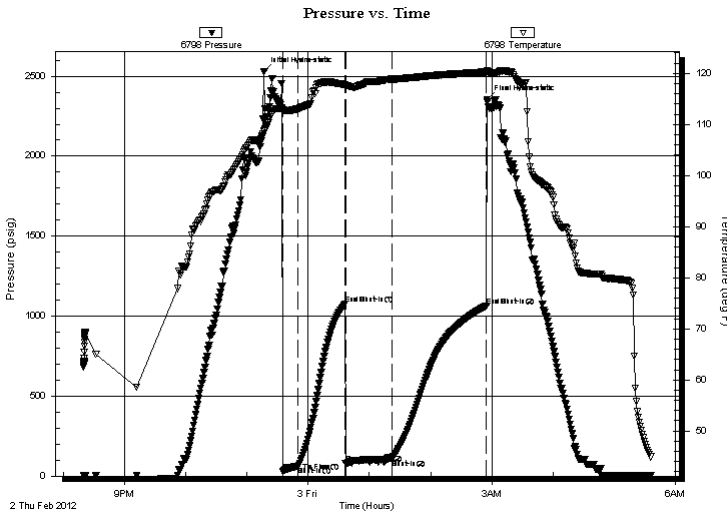
2012.02.02 @ 23:16:43

Time Off Btm:

2012.02.03 @ 02:55:13

TEST COMMENT: IF: Fair Blow , BOB in 11 minutes
IS: Weak Surface Blow Back
FF: Fair Blow , BOB in 6 minutes
IS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2530.35	108.78	Initial Hydro-static
18	29.83	112.78	Open To Flow (1)
34	63.91	113.12	Shut-In(1)
80	1077.22	117.82	End Shut-In(1)
80	80.68	117.50	Open To Flow (2)
126	106.55	118.86	Shut-In(2)
218	1063.59	120.28	End Shut-In(2)
219	2354.16	120.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	600 Feet GIP	0.00
185.00	SOCM 4%O 96%M	0.91

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44147

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.02.02 @ 20:19:43

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	600 Feet GIP	0.000
185.00	SOCM 4%O 96%M	0.910

Total Length: 185.00 ft Total Volume: 0.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

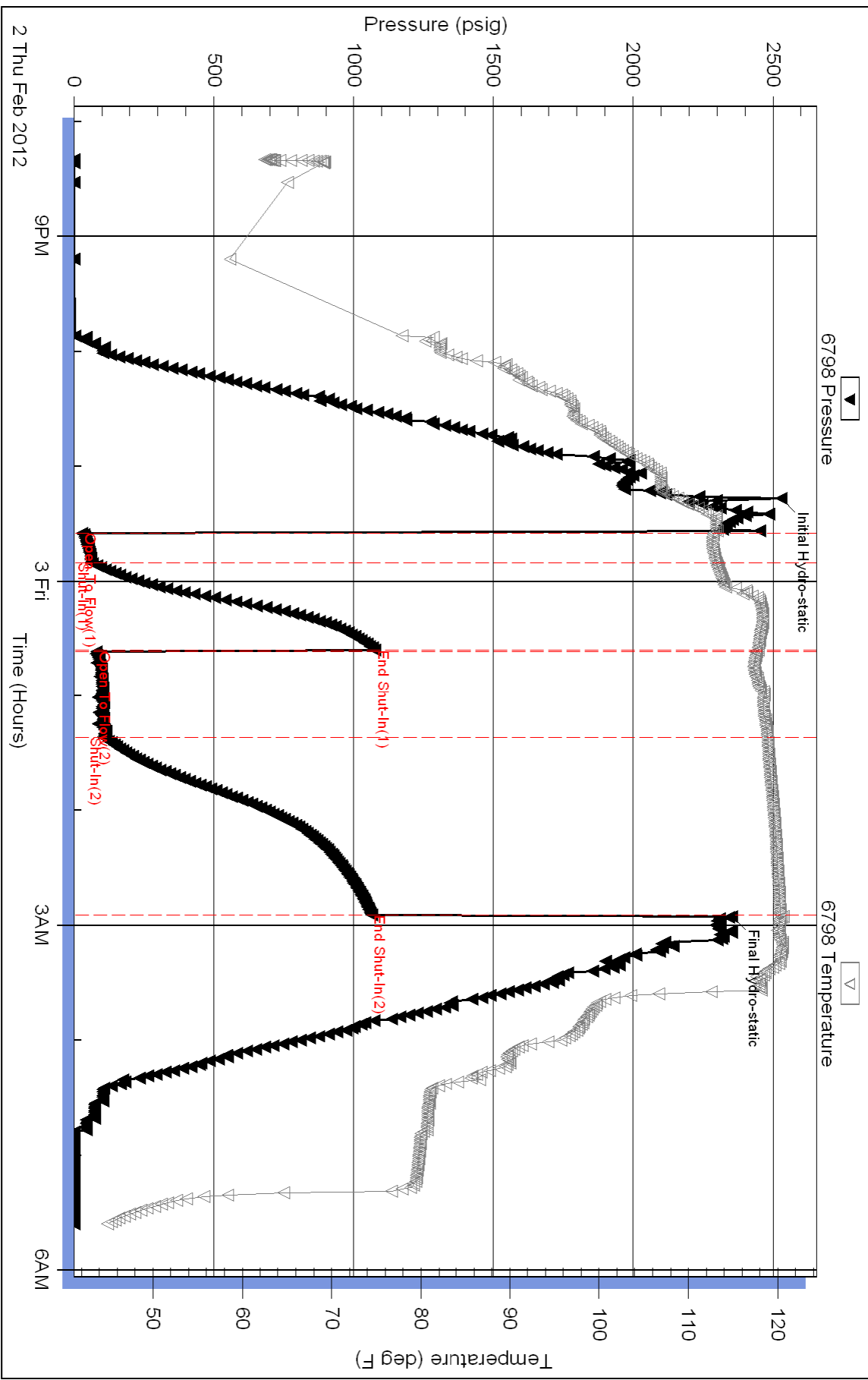
Inside

Strata Exploration Inc

Heft 3-5

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44148

DST#: 3

ATTN: Jon Christensen

Test Start: 2012.02.03 @ 15:42:44

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:55:44

Time Test Ended: 00:26:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4844.00 ft (KB) To 4859.00 ft (KB) (TVD)

Reference Elevations: 2227.00 ft (KB)

Total Depth: 4859.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 478.95 psig @ 4845.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.03

End Date:

2012.02.04

Last Calib.:

2012.02.04

Start Time:

15:42:45

End Time:

00:26:59

Time On Btm:

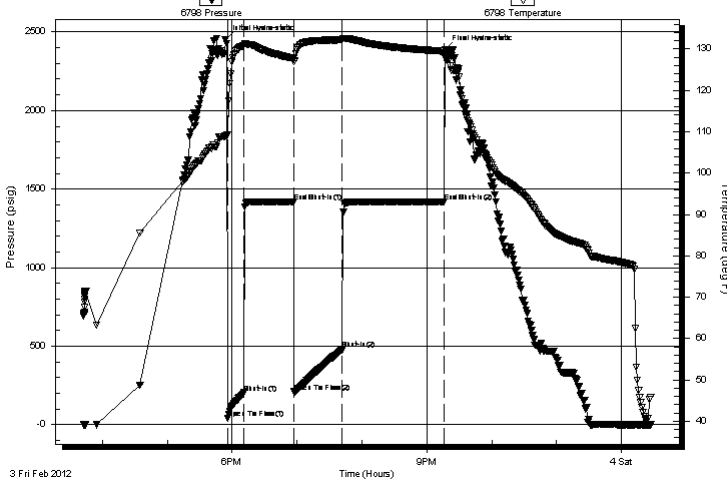
2012.02.03 @ 17:53:44

Time Off Btm:

2012.02.03 @ 21:16:59

TEST COMMENT: IF: Fair Blow, BOB in 6 1/2 minutes
IS: 1 inch Blow Back
FF: Fair Blow, BOB in 7 1/2 minutes
FS: 1/2 inch Blow Back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2453.62	108.97	Initial Hydro-static
2	43.22	109.30	Open To Flow (1)
17	203.39	130.85	Shut-In(1)
64	1420.29	127.67	End Shut-In(1)
64	209.65	127.01	Open To Flow (2)
108	478.95	132.20	Shut-In(2)
202	1420.11	129.46	End Shut-In(2)
204	2387.62	127.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60 Feet GIP	0.00
496.00	Water	4.98
25.00	SOMCW 1%O 29%M 70%W	0.35

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

ATTN: Jon Christensen

Job Ticket: 44148

DST#: 3

Test Start: 2012.02.03 @ 15:42:44

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:55:44

Time Test Ended: 00:26:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4844.00 ft (KB) To 4859.00 ft (KB) (TVD)

Reference Elevations: 2227.00 ft (KB)

Total Depth: 4859.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8367 Outside

Press@RunDepth: psig @ 4845.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.03

End Date:

2012.02.04

Last Calib.:

2012.02.04

Start Time:

15:42:45

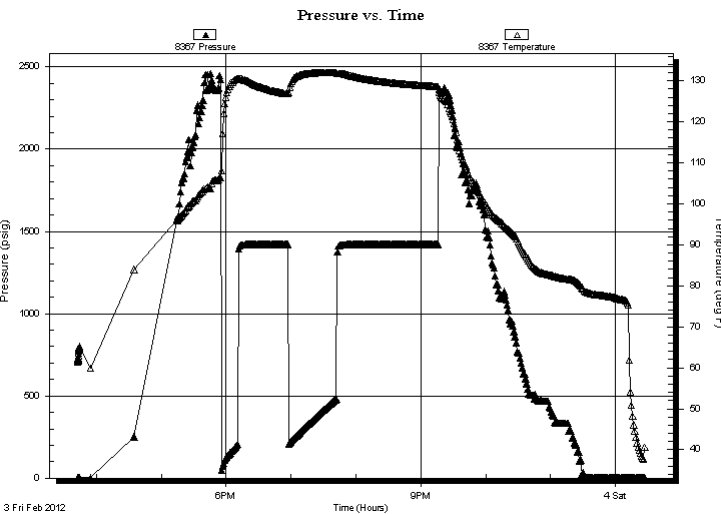
End Time:

00:26:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Fair Blow , BOB in 6 1/2 minutes
IS: 1 inch Blow Back
FF: Fair Blow , BOB in 7 1/2 minutes
FS: 1/2 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
0.00	60 Feet GIP	0.00
496.00	Water	4.98
25.00	SOMCW 1%O 29%M 70%W	0.35

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc

5-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Heft 3-5

Job Ticket: 44148

DST#: 3

ATTN: Jon Christensen

Test Start: 2012.02.03 @ 15:42:44

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:

125000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10400.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	60 Feet GIP	0.000
496.00	Water	4.981
25.00	SOMCW 1%O 29%M 70%W	0.351

Total Length: 521.00 ft Total Volume: 5.332 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .12 @ 40 degrees

Serial #: 6798

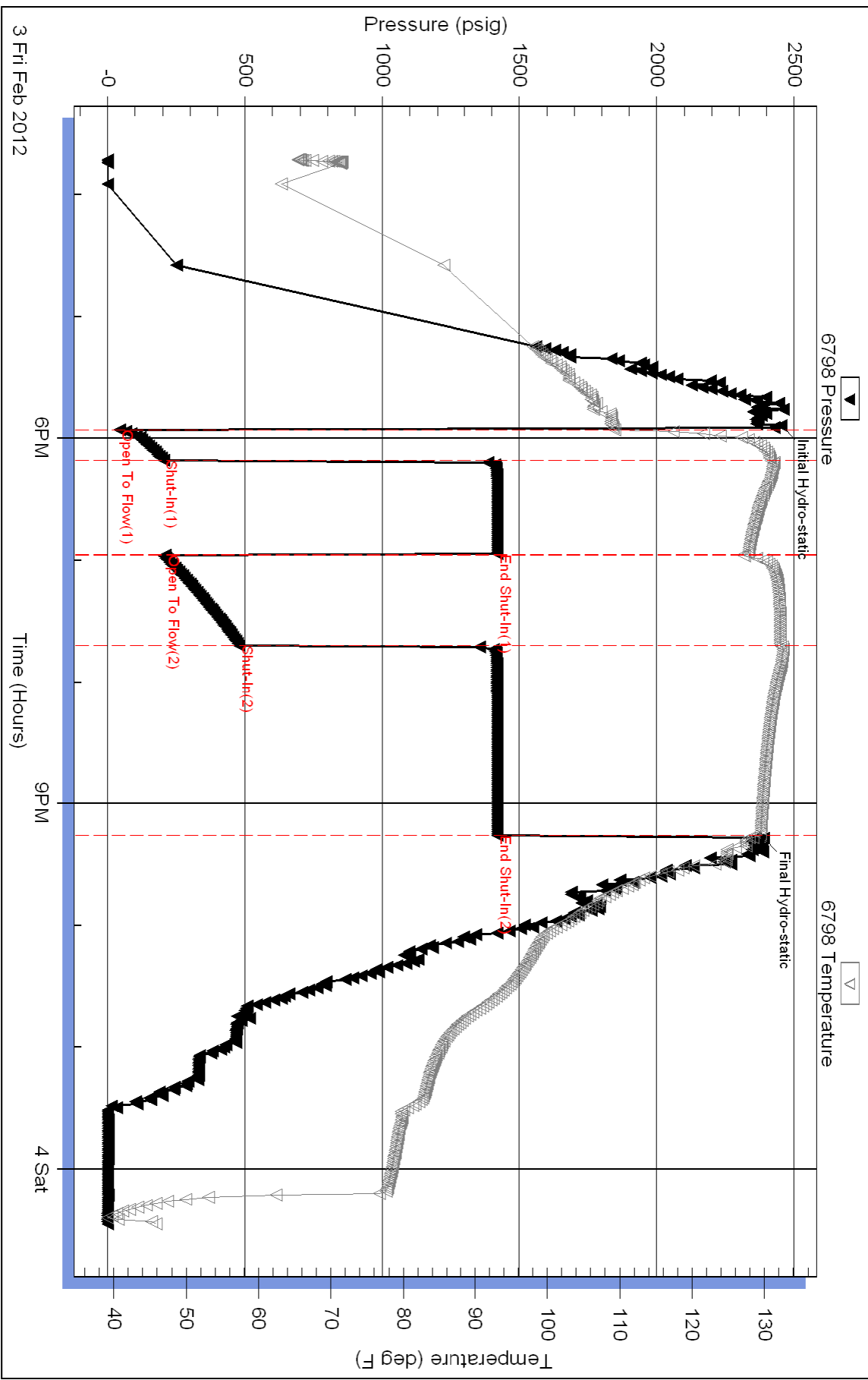
Inside

Strata Exploration Inc

Heft 3-5

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44148

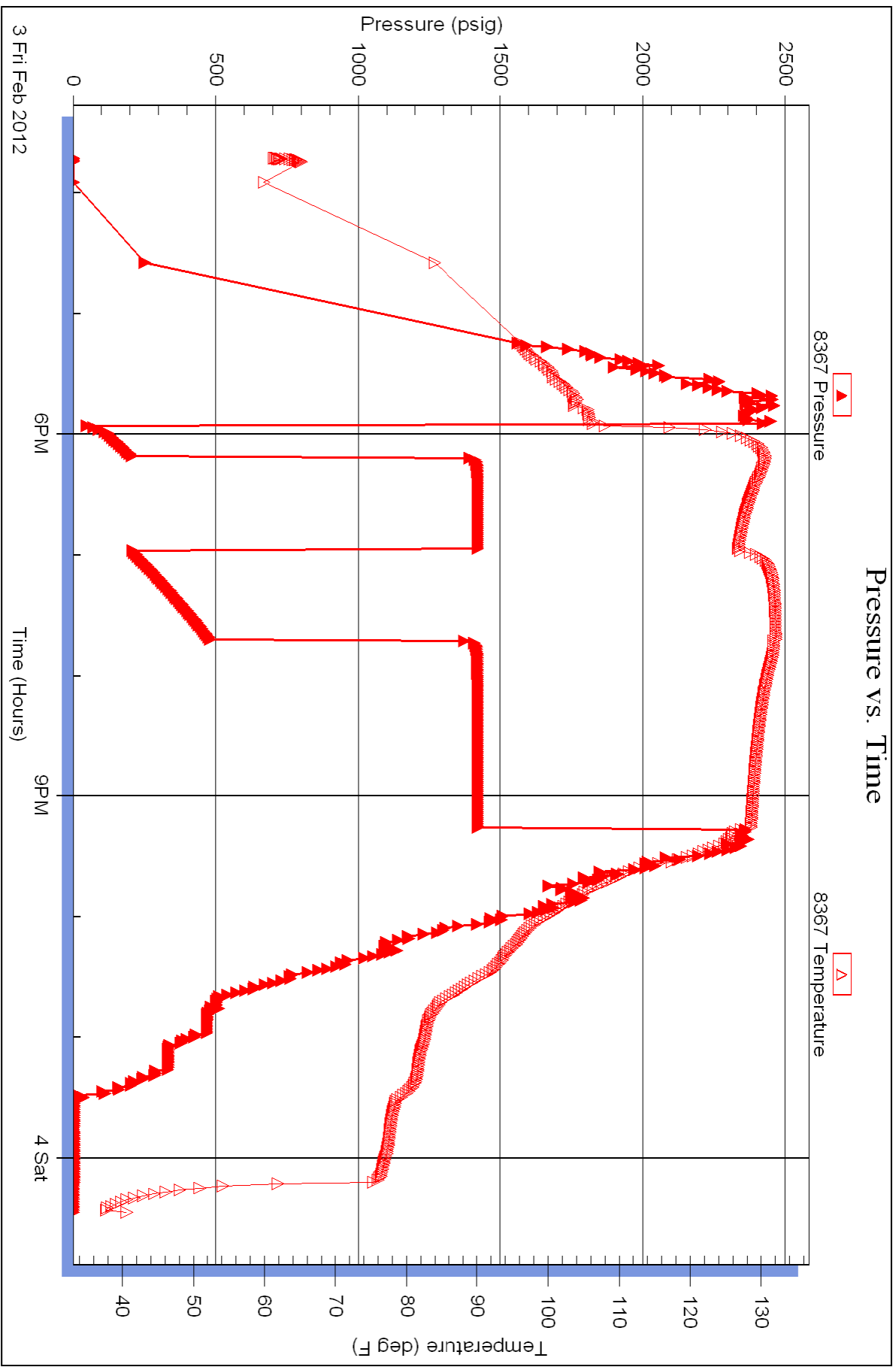
Printed: 2012.02.04 @ 16:24:45

Serial #: 8367

Outside Strata Exploration Inc

Heft 3-5

DST Test Number: 3





PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	01/30/2012
INVOICE NUMBER		
1718 - 90815573		

PAID
2-28-12
FNBSA 8087

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

J LEASE NAME Heft 3-5
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40423668	27463		Net - 30 days	02/29/2012

For Service Dates: 01/26/2012 to 01/26/2012

0040423668

171804449A Cement-New Well Casing/Pi 01/26/2012
 Cement 8 5/8" Surface

LEASE	LEV	P/P
3/2 HEFT 3-5	5	2/9
DES	A/P	
CEMENT SURF CSWG	2/9	
DRL COM	LOE	G/L
X		71730/12598.32

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A Serv Lite	275.00	EA	10.01	2,752.61 T
Common	175.00	EA	12.32	2,155.89 T
Cello-flake(POLEFLAKE-C)	113.00	EA	2.85	321.92 T
Calcium Chloride	1,050.00	EA	0.81	848.88 T
Top Rubber Cement Plug 8 5/8"	1.00	EA	173.24	173.24
Baffle Plate Aluminum 8 5/8"(Blue)	1.00	EA	130.89	130.89
Guide Shoe-Regular 8 5/8"(Blue)	1.00	EA	292.59	292.59
8 5/8" Basket(Blue)	2.00	EA	242.54	485.08
Heavy Equipment Mileage	90.00	MI	5.39	485.08
Proppant and Bulk Delivery Charge	608.00	MI	1.23	749.02
Blending & Mixing Service Charge	450.00	MI	1.08	485.08
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.27	98.17
Depth Charge; 501-1000'	1.00	HR	923.95	923.95
Plug Container Utilization Charge	1.00	EA	192.49	192.49
Cement Pumper-additional hrs on location	5.00	HR	384.98	1,924.90
Service Supervisor	1.00	HR	134.74	134.74

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	12,154.53
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	443.79
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	12,598.32
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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 04449 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>1-25-12</i> DISTRICT <i>KANSAS</i>		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 <i>Strata Exploration INC</i>		LEASE <i>Hef 3-5</i>		WELL NO.:						
ADDRESS		COUNTY <i>KIOWA</i> STATE <i>KS</i>								
CITY STATE		SERVICE CREW <i>Allen, James, Dale, Steve</i>								
AUTHORIZED BY		JOB TYPE: <i>8-5/8 Surface CWL</i>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<i>28443 P.U</i>	<i>2</i>					<i>1-25-12</i>	<i>1-25-12</i>			<i>400</i>
<i>27463 PT</i>	<i>2</i>					<i>ARRIVED AT JOB</i>	<i>1-25-12</i>			<i>600</i>
<i>19831-19862</i>	<i>2</i>					<i>START OPERATION</i>	<i>1-26-12</i>			<i>230</i>
<i>19960-19918</i>						<i>FINISH OPERATION</i>	<i>1-26-12</i>			<i>430</i>
						<i>RELEASED</i>	<i>1-26-12</i>			<i>515</i>
						<i>MILES FROM STATION TO WELL</i>				<i>30-mile</i>

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	A Serulite	SK	175	3575.00	625,625.00
CP100	Common	SK	175		0 2800 00
CC102	cell Flak-	lb	113	418.10	47,145.30
CC109	Calcium chloride	lb	1089	1102.50	1,199,227.50
CF105	Top Rubber cement Plug 8 5/8"	EA	1		225 00
CF753	Baffle plate Aluminum 8 5/8"	EA	1		170 00
CF1903	Basket 8 5/8" Blue	EA	2		630 00
CF253	Guide shoe	EA	1		380 00
F100	unit mileage chg pickup	mi	30		127 50
E101	Heavy equip mileage chg	mi	20		630 00
E113	Bulk Delivery chg	Tm	600	972.00	583,200.00
CF201	Depth Chg. 501-1000'	4-hr	1		1200 00
CF240	Blending & mixing Service chg	SK	750		630 00
CF504	Plug container utilization chg	Job	1		250 00
S003	Service Supervisor first 8hrs onloc	EA	1		175 00
CF403	Additional hours	EA	5		2500 00

SUB TOTAL *DLS* **12,154.53**

CHEMICAL / ACID DATA:			

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

TOTAL

SERVICE REPRESENTATIVE *Allen & White* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *W. J. Burd*

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

Customer <i>Stata Exp/loc</i>		Lease No.		Date <i>1-26-12</i>	
Lease <i>Hest</i>		Well # <i>#3-5</i>			
Field Order # <i>H04449A</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8</i>	Depth <i>568</i>	County <i>Kiowa</i>	State <i>KS</i>
Type Job <i>8 5/8" surface</i>		Formation <i>cnw</i>	TD <i>573'</i>	Legal Description <i>S-28-18</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft	<i>175</i>	Acid	<i>SKS A-seruLite @ 15.5 #</i>	RATE	PRESS	ISIP
Depth <i>568'</i>	Depth	From	To <i>175</i>	Pre Pad	<i>SKS common @ 15 #</i>	Max		5 Min.
Volume <i>23 1/2</i>	Volume	From	To	Pad		Min		10 Min.
Max Press <i>300</i>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth <i>525</i>	Packer Depth	From	To	Flush <i>fresh water</i>		Gas Volume		Total Load

Customer Representative <i>Billy TP</i>	Station Manager <i>scotty</i>	Treater <i>Allen</i>
---	-------------------------------	----------------------

Service Units	<i>28443</i>	<i>27463</i>	<i>19831</i>	<i>19862</i>	<i>19960</i>	<i>19918</i>			
Driver Names	<i>Allen</i>	<i>James</i>	<i>Dale</i>	<i>Phye</i>	<i>Steve</i>	<i>young</i>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>7:10 AM</i>					<i>Dr S. csj</i>
					<i>ON Loc. Discuss Safety setup - TOB</i>
					<i>start out of Hole w/ short Trip.</i>
<i>7:30</i>					<i>Rig up TO RUN 8 5/8" CASING 23 #</i>
<i>8:00</i>					<i>START 8 5/8" CASING. Shoe Joint</i>
					<i>42.89' w/ Baffle Plate.</i>
					<i>BASKET ON #2 JOINT.</i>
<i>11:30</i>					<i>Run 5-Joints casing won't</i>
					<i>Go. Lay down 8 5/8" Go in w/ 14 3/4 Bit</i>
<i>1:30 AM</i>	<i>1-26-12</i>				<i>Restart casing. 8 5/8"</i>
					<i>w/ Guide shoe, Baffle in collar. BASKET #4</i>
<i>3:00</i>					<i>Pipe @ 568' Hook up & cir w/ Rig.</i>
	<i>200 #</i>		<i>80</i>	<i>6</i>	<i>Mix + Pump 275 SKS A-con @ 13.5 #</i>
				<i>5</i>	<i>Mix + Pump 175 SKS com. w/ 2% CC, 1/4 # C.F @ 15 #</i>
			<i>37</i>		<i>Finish mix + Release 8 5/8"</i>
				<i>4</i>	<i>Top Rubber Plug start Disp.</i>
<i>4:20</i>	<i>500 #</i>		<i>33 1/2</i>		<i>Plug down, Shut in well</i>
	<i>0 #</i>				<i>Release PSI - washup Equip + Rackup.</i>
<i>5:15</i>					<i>Job complete</i>
					<i>Cement cir TO Pit.</i>
					<i>Thanks Allen, James, Dale, Steve</i>



PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	02/09/2012
INVOICE NUMBER		
1718 - 90825418		

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

J LEASE NAME Heft 3-5
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

PAID
 2-29-12
 FNBSA 8127

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40427630	19842/19843		Net - 30 days	03/10/2012

For Service Dates: 02/05/2012 to 02/05/2012	QTY	U of M	UNIT PRICE	INVOICE AMOUNT	
0040427630					
171805230A Cement-New Well Casing/Pi 02/05/2012 Cement 5 1/2" Longstring					
50/50 POZ	200.00	EA	8.80		1,759.90 T
60/40 POZ	50.00	EA	9.60		479.97 T
Cello-flake(POLEFLAKE-C)	50.00	EA	2.96		147.99 T
Cal-Set	840.00	EA	0.60		503.97 T
FLA-322	84.00	EA	6.00		503.97 T
KCL Potassium Chloride	453.00	EA	1.20		543.57 T
Gilsonite	1,200.00	EA	0.54		643.16 T
Mud Flush	1,000.00	EA	0.69		687.96 T
CS-1L KCL Substitute	5.00	EA	28.00		139.99 T
Latch Down Plug & Baffle 5 1/2" (Blue)	1.00	EA	319.98		319.98
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	287.98		287.98
Turbolizer 5 1/2" (Blue)	12.00	EA	88.00		1,055.94
5 1/2" Basket(Blue)	1.00	EA	231.99		231.99
Cement Scratchers Cable Type 5 1/2"	6.00	EA	60.00		359.98
Heavy Equipment Mileage	60.00	MI	5.60		335.98
Proppant and Bulk Delivery Charge	317.00	MI	1.28		405.74
Blending & Mixing Service Charge	250.00	MI	1.12		279.98
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.40		101.99
Plug Container Utilization Charge	1.00	EA	199.99		199.99
Depth Charge; 4001-5000'	1.00	HR	2,015.90		2,015.90
Service Supervisor	1.00	HR	139.99		139.99

LEASE	3/3	HEFT 3-5	LEV	5	P/P	2/23
DES	CEMENT LONG STRING				A/P	7/27
DRL	COM	LOE	G/L			D/D
	X		73551/	11540	89	

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,145.92
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	394.97
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	11,540.89
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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 05230 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>2-5-12</i> DISTRICT <i>KANSAS</i>		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 <i>Strata Exploration</i>		LEASE <i>Heft #3-5</i> WELL NO.:							
ADDRESS		COUNTY <i>KIOWA 5-28-18</i> STATE <i>KANS.</i>							
CITY STATE		SERVICE CREW <i>Allen, Brad, Dale, (STEVE)</i>							
AUTHORIZED BY		JOB TYPE: <i>5 1/2" L.S.</i> <i>CNW</i>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<i>24443 P.U.</i>	<i>2</i>					<i>2-4-12</i>	<i>2-4-12</i>	<i>PM</i>	<i>1000</i>
<i>19889-19842</i>	<i>2</i>					ARRIVED AT JOB	<i>2-5-12</i>	<i>AM</i>	<i>752</i>
<i>19960-19918</i>	<i>2</i>					START OPERATION	<i>2-5-12</i>	<i>AM</i>	<i>330</i>
<i>27283 P.U.</i>	<i>2</i>					FINISH OPERATION	<i>2-5-12</i>	<i>AM</i>	<i>530</i>
						RELEASED	<i>2-5-12</i>	<i>PM</i>	<i>600</i>
						MILES FROM STATION TO WELL	<i>30 miles</i>		

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
<i>CP104</i>	<i>50/50 P02</i>	<i>SK</i>	<i>200</i>		<i>\$ 200.00</i>
<i>CP103</i>	<i>60/40 P02</i>	<i>SK</i>	<i>50</i>		<i>\$ 600.00</i>
<i>CC102</i>	<i>Cell Flake</i>	<i>lb</i>	<i>50</i>		<i>\$ 185.00</i>
<i>CC113</i>	<i>CAI set</i>	<i>lb</i>	<i>840</i>		<i>\$ 630.00</i>
<i>CC129</i>	<i>FIA-322</i>	<i>lb</i>	<i>84</i>		<i>\$ 630.00</i>
<i>C700</i>	<i>KCL Potassium chloride</i>	<i>lb</i>	<i>453</i>		<i>\$ 679.50</i>
<i>CC201</i>	<i>Gilsonite</i>	<i>lb</i>	<i>1200</i>		<i>\$ 804.00</i>
<i>CF607</i>	<i>Latchdown Plug + Baffle, 5 1/2" Blue</i>	<i>EA</i>	<i>1</i>		<i>\$ 400.00</i>
<i>CF1251</i>	<i>Auto Fill Float shoe, 5 1/2" Blue</i>	<i>EA</i>	<i>1</i>		<i>\$ 360.00</i>
<i>CF1651</i>	<i>Turbolizer 5 1/2" Blue</i>	<i>EA</i>	<i>12</i>		<i>\$ 1320.00</i>
<i>CF1901</i>	<i>5 1/2" Bucket Blue</i>	<i>EA</i>	<i>1</i>		<i>\$ 290.00</i>
<i>CF2001</i>	<i>cement scratchers</i>	<i>EA</i>	<i>6</i>		<i>\$ 450.00</i>
<i>CC151</i>	<i>mud flush</i>	<i>gal</i>	<i>1000</i>		<i>\$ 860.00</i>
<i>C704</i>	<i>CS-1L KCL sub</i>	<i>gal</i>	<i>5</i>		<i>\$ 175.00</i>

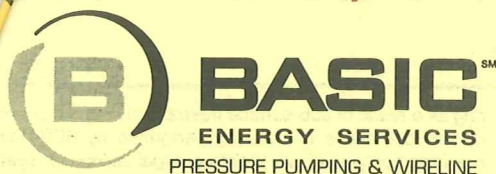
SUB TOTAL
DLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Alle F. Wirth* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



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

FIELD SERVICE TICKET

1718 ~~05231~~ A

DATE *cont.* TICKET NO. *05230A*

DATE OF JOB: <i>2-5-12</i>	DISTRICT: <i>Kansas</i>	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: <i>Strata Exploration</i>		LEASE: <i>Hoff #3-5</i>			WELL NO.:				
ADDRESS:		COUNTY: <i>Kiowa 5-28-18</i>			STATE: <i>Kansas</i>				
CITY:		SERVICE CREW: <i>Allen, Brand, Dale, Steve</i>			AUTHORIZED BY:				
STATE:		JOB TYPE: <i>5 1/2" L.S.</i>			Crew: <i>CNW</i>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<i>28475 P4</i>	<i>2</i>					<i>2-4-12</i>	<i>12:00</i>		
<i>19889-19842</i>	<i>2</i>					<i>2-5-12</i>	<i>8:00</i>		<i>7:52</i>
<i>19960-19918</i>	<i>2</i>					<i>2-5-12</i>	<i>AM</i>		<i>3:30</i>
<i>27283 P4</i>	<i>2</i>					<i>2-5-12</i>	<i>PM</i>		<i>5:30</i>
						<i>2-5-12</i>	<i>AM</i>		<i>6:00</i>
RELEASED						<i>2-5-12</i>	<i>PM</i>		<i>6:00</i>
MILES FROM STATION TO WELL						<i>30-miles</i>			

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 mileage charge pickup	mi	30		\$ 127.50
E101	Heavy Equip. mileage	mi	60		\$ 420.00
E113	Bulk Delivery Charge	Tm	317		\$ 506.40
CE205	Depth Charge 4001-5000	4-hr	1		\$ 2500.00
CE240	Blending + mixing service chg.	SK	250		\$ 350.00
CE204	Plug container utilization chg.	job	1		\$ 250.00
5003	Service Super. soft first 8 hrs on loc	EA	1		\$ 175.00

SUB TOTAL *\$11,145.92*

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: <i>Allen F. Ward</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
--	---

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

Customer Strata Explor.	Lease No.	Date 2-5-12
Lease Heft #	Well # 3-5	
Field Order # 05236A	Station Pratt KS	Casing 5/8"
Type Job 5/2" L.S.	Depth 4930	County Kiowa
	Formation CNW TD 4942'	State KS
		Legal Description S. 28-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5/8"				24-BBL mud flush				
Depth 4930'	Depth	From	To	Pre Pad	Max			5 Min.
Volume 11788	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 4909	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative George Payne	Station Manager Scotty	Treater Allen
Service Units 28443 19889 19842 19960 19918 27283		
Driver Names Allen Brand Mitchell	Date	Phys

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:52 AM					on loc. Discuss Safety, Setup Plan Job
10:50					Rig Laying down Drill Pipe. Lay down Kelly & Mouse Hole Shoe Joint 21' w/ Float shoe & L.D. Baffle in collar.
12:00 PM					Cent-1-2-3-4-8-12-16-20-24-28 32-36 Basket on # 14
1:05					Start 5/2 casing.
3:30					CIR w/ 40 Jts in Hole 15-min CIR w/ 80 Jts in Hole 30-min
4:30	200'		24	6	Tag Bottom Pick To 4930-CIR.
			5	6	Pump 1000gal mud flush
				6	Pump 5 BBL H ₂ O spacer
			48		mix & Pump 200 SKS 50/50 P02 @ 14'
4:45				6 1/2	Finish mix washout Pump line
5:00	500'			6	Drop L.D. Plus, Start Disp.
5:00	15'00"		117	4	caught, lift PSI. 73 BBL out
	0 #				Plug down
					Release PSI TO TRK. "OK"
					Plug R.H. + IN.H. w/ 50 SKS 60/40
					washup Equip & Rackup Allen, Steve
6:00					Job complete thanks N Brand, Dale

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 26, 2012

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

Re: ACO1
API 15-097-21715-00-00
Heft 3-5
SE/4 Sec.05-28S-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