



KANSAS CORPORATION COMMISSION 1060750  
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: \_\_\_\_\_



1060750

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> _____ <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: #4-10 Stapleton  
Location: 335' FNL & 1000' FWL, Sec. 10-T30S-R32W, Haskell Co., KS.  
Licence Number: 15-081-21946  
Spud Date: 6/28/2011  
Surface Coordinates: 335' FNL & 1000' FWL, Sec. 10-T30S-R32W  
Region: Diaden Field Ext.  
Drilling Completed: 7/9/2011

Bottom Hole Same as above  
Coordinates:  
Ground Elevation (ft): 2894' K.B. Elevation (ft): 2907'  
Logged Interval (ft): 4400' To: 5625' Total Depth (ft): 5625'  
Formation: St. Louis at Total Depth  
Type of Drilling Fluid: Freshwater/Gel to 3119'; Chemical Gel 3119' to 5625'.

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(Upper Morrow Sand) 5240' - 5325' Test Times 15"-45"-45"-90" IFP Strong Blow BOB/4", FFP BOB/Immed. - decreasing Blow, no GTS, no Blowback on SI's; REC: 3500' Gas in Pipe, 20' OCM(5%O, 95%M), no water; IFP 64-67#, ISIP 890#, FFP 63-67#, FSIP 1474#, IHP 2541#, FHP 2443#, BHT 130 Deg. F.

DST #2(Lower Morrow/Upper Chester SS) 5324' - 5409' Test Times 15"-45"-45"-90" IFP Good Blow Building to BOB/15", FFP Strong Blow BOB/Immed. - decreasing Blow, no GTS, no Blowback on SI's; REC: 680' Gas in Pipe, 60' OCM(Trc. G, 5%O, 95%M), 60' GMO(10%G, 50%O, 40%M), no water; IFP 72-83#, ISIP 327#, FFP 71-86#, FSIP 332#, IHP 2615#, FHP 2471#, BHT 134 Deg. F.

DST #3(St. Louis 'A' + 'B') 5518' - 5569' Test Times 15"-45"-45"-90" IFP Strong Blow GTS in 3 Min., FFP GTS throughout, Gauged 586 MCFG during IFP decreasing to 107 MCFG/45" of FFP, no Blowback on SI's; REC: 240' Total Fluid: 60' GOCM(20%G, 5%O, 75%M), 180' GO(5%G, 95%O), no water; IFP 182-91#, ISIP 1092#, FFP 70-74#, FSIP 1274#, IHP 2678#, FHP 2537#, BHT 134 Deg. F.

## Comments

6/28/11 MIRU Sterling Drilling Rig #5, Spud at 11:00 PM.; 6/29/11 Drilling at 670'; 6/30/11 TD. 1813' - Wiper Trip for Surface Csg.; 7/1/11 Drilling at 1840'; 7/2/11 Drilling at 3100'; 7/3/11 Drilling at 4060'; 7/4/11 Drilling at 4560'; 7/5/11 Drilling at 4930'; 7/6/11 Drilling at 5235'; 7/7/11 TD. 5325' - TIH after DST #1; 7/8/11 TD. 5409' - TOH with DST #2; 7/9/11 TD. 5569' - TIH for DST #3; 7/10/11 RTD. 5625', LTD 5618' - Logging

8 5/8" (23#) Surface Casing at 1808' KB. w/605 sx.(Basic Energy Services). Cement Did Circulate. PD. 3:30 PM. 6/30/11.

Surveys: 1.25 Deg. at 1813'(Surface Casing); 1.0 Deg. at 4400'(Bit Trip); 0.75 Deg. at 5325'(DST #1); 1.50 Deg. at 5569'(DST #3).

NOTE: Ran STC MI616 PDC bit from under Surface Casing to 4400'. Bit Trip at 4400'; resumed drilling operations with "conventional button bit".

Pipe Strap at 4400'(Bit Trip): Strap 0.92' Long to the Board, no correction made to the Board.

After review of the Halliburton Logs, DST data, structural position and positive shows of hydrocarbons, the operator elected to set new 5 1/2" 15.5# Production Casing for completion in the St. Louis and Morrow zones.

### LOG TOPS:

### ROCK TYPES

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

### ACCESSORIES

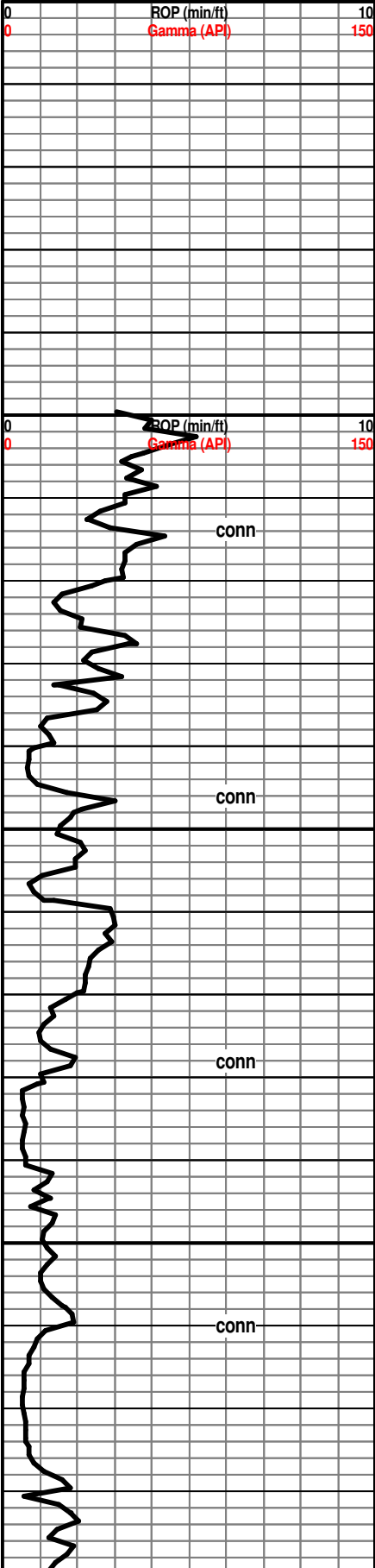
<b>MINERAL</b>		<b>FOSSIL</b>			
	Gyp		Ostra		
	Hvymin		Pelec		
	Kaol		Pellet		
	Marl		Pisolite		
	Minxl		Plant		
	Nodule		Strom		
	Phos				
	Pyr		<b>STRINGER</b>		
	Salt			Anhy	
	Sandy			Arg	
	Silt			Bent	
	Sil			Coal	
	Sulphur			Dol	
	Tuff			Gyp	
				Ls	
				Mrst	
				<b>TEXTURE</b>	
					Boundst
					Chalky
					Cryxln
					Earthy
					Finexln
					Grainst
					Lithogr
					Microxln
					Mudst
					Packst
					Wackest

### OTHER SYMBOLS

<b>POROSITY</b>		<b>ROUNDING</b>		<b>EVENT</b>
	Vuggy		Spotted	
			Ques	
	<b>SORTING</b>			
	Well		<b>INTERVAL</b>	
	Moderate			
	Poor			
		<b>OIL SHOW</b>		

Curve Track 1

ROP (min/ft) ———  
 Gamma (API) - - - - -



Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions

TG, C1-C5

TG (Units) ———  
 C1 (units) - - - - -  
 C2 (units) ·····  
 C3 (units) ·····  
 C4 (units) ·····  
 C5 (units) ·····

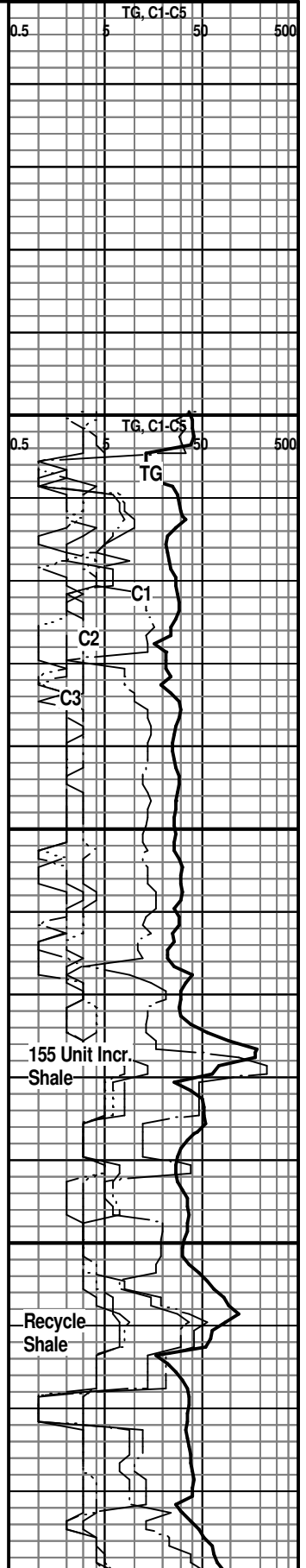
STRATA EXPLORATION, INC.

#4-10 STAPLETON

GEOLOGICAL REPORT

KB. 2907'

Drilling with PDC Bit, no Samples Saved



NOTE: Annular Velocity not set correctly - gas kicks are not "laying over" the drilling breaks

NOTE: Tops are picked on drilling time

NOTE: Tops are picked on drilling time only over this interval

HEEBNER SHALE 4148(-1241)

TORONTO 4168(-1261)

LANSING 'A' 4248(-1341)

LANSING 'B' 4305(-1398)

148 Unit Incr.  
Shale

Recycle  
Shale

0.5 TG, 21.65  
Recycle

60 Unit Incr.  
POSS. SHOW

4150  
4200  
4250  
4300  
4350

A.V. Set at  
125.0 - Too  
slow

conn  
MudCo. Mud  
Check at 4183'  
Vis 42  
Wt. 9.2  
WL 8.8  
Cl 1800  
PH 11.0  
LCM 2#

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

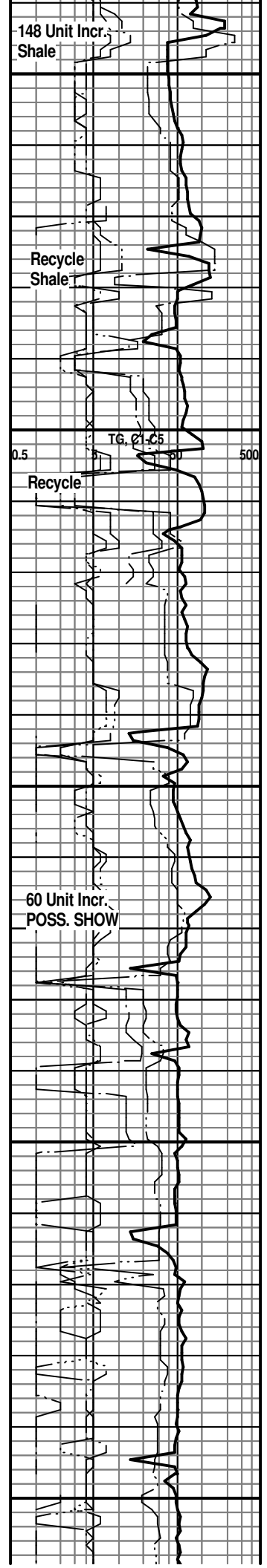
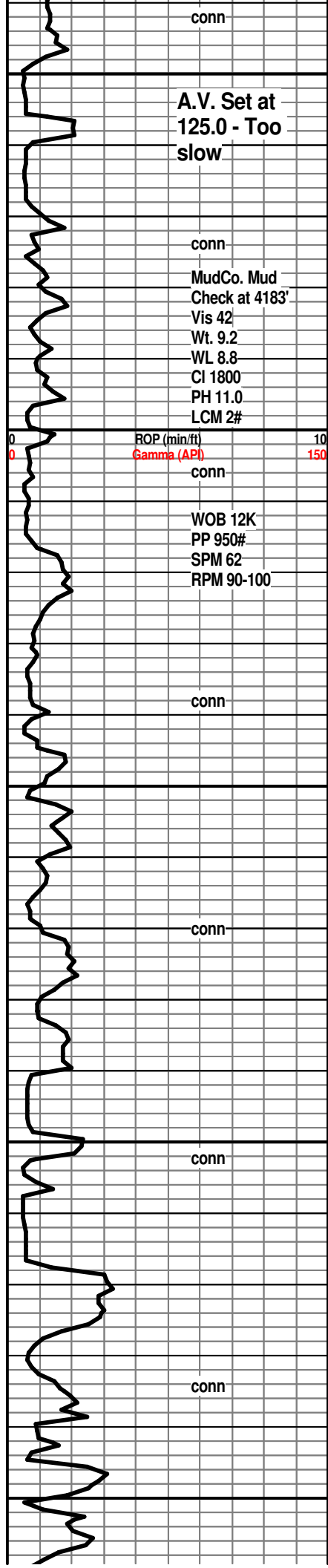
conn  
WOB 12K  
PP 950#  
SPM 62  
RPM 90-100

conn

conn

conn

conn



conn  
WOB 10-12K  
PP 1000#  
SPM 62  
RPM 95

conn  
ROP (min/ft) 10  
Gamma (API) 150  
A.V. = 130.0

conn

conn  
WOB 41K  
PP 1000#  
SPM 57  
RPM 71

Vis 54  
Wt. 9.1  
LCM 3#

conn

conn  
A.V. = 131.0

Vis 52  
Wt. 9.2  
LCM 3#

conn

WOB 38-40K  
PP 1000#  
SPM 60  
RPM 70-75

conn - MudCo. Mud

4400

4450

4500

4550



LM; tan to off wh, lt brn, f to med xln, some gran text, fair interxln por, no stn or odor, lt yel min fluor, rare tan to gy cht, ns.

**10' Wet and Dry Samples at 4400'  
Bit trip at 4400' - Pull PDC Bit**

LM; off wh, wh, tan, f to med xln, some gran, much soft wh chalky mtx, fair to gd interxln por, lt yel min fluor only, scat foss mat - minor oolitic lmst interbdd, occ wh fresh cht, no stn or odor, ns.

LM: tan to lt brn, buff, dense, most micritic, rare foss wh cht, tite

**LANSING 'F' 4441(-1534)**

LM; lt brn, oolitic, most med to lrg oomoldic por, occ well dev. vug por also, chalky mtx ip, med to brite yel min fluor, no stn or odor, ns.

LM; lt brn, tan, oolitic, most med to occ lrg moldic por, scat well dev. vug por also, occ chalky mtx, no stn or odor, ns.

LM; off wh, tan, oolitic, bcm v. chalky-soft, interbdd wh cherty lmst, lt yel min fluor only, no stn or odor, ns.

LM; med to dk brn, dense, blocky, interbdd tan to smoky cht, tite

SH; med to dk gy, gy brn, gritty text - silty ip, firm, interbdd hd lmy shale

SH; blk, carb ip, faint gassy odor, rare pyr

LM; lt gy brn, lt brn, most dense, scat well cem foss and oolitic mat, no vis por, rarely pyr, dull yel fluor, no stn or odor, ns.

SH; dk gy to blk, fiss, pyr ip.

SH; dk gy to blk, fiss, soft ip.

LM: med gy to gy brn, foss ip, most hd, micritic, no vis por, scat pyr, no fluor, ns

LM; tan to cream, buff, fxln, scat foss mat ip, poor to fair interpart por, minor soft chalky mtx, no fluor, no stn, ns.

LM; med brn, hd, micritic, dense, scat dk gy cht, no vis por, ns.

TG, C1-C2

0.5 50 500

42 Unit Incr. Shale

Recycle

TG

C1

Check at 4595'  
Vis 48  
Wt. 9.2  
WL 8.8  
CI 1900  
PH 10.5  
LCM 2#

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

conn

WOB 40K  
PP 1000#  
SPM 60  
RPM 80

conn

Vis 60  
Wt. 9.3  
LCM 2#

conn

Vis 60  
Wt. 9.2  
LCM 2#

A.V.= 134.50

CFS. at 4704'  
conn

WOB 40K  
PP 1025#  
SPM 59  
RPM 85

A.V.= 134.50

conn

CFS. at 4750'  
Vis 56  
Wt. 9.3  
LCM 2#

conn

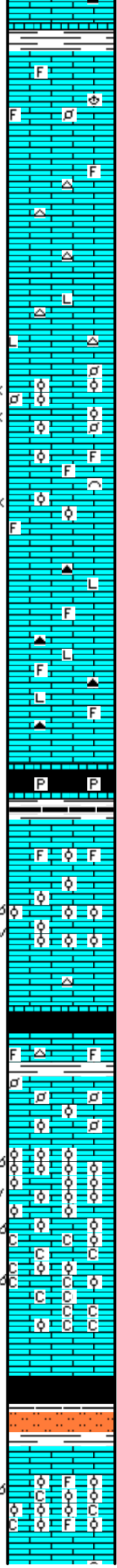
WOB 40K  
PP 1000#  
SPM 58  
RPM 80

4600

4650

4700

4750



SH; med gy to grn, platy to flakey, smooth

LM; med gy to gy brn, most blocky, dense, no vis por, rare well cem foss mat, v. dull golden yel fluor, no stn or odor, ns.

LM; tan to lt brn, fxln to occ sandy text, fair interxln por, interbdd gy occ foss cht, dull yel min fluor only, no stn or odor, ns.

LM; med brn, hd, occ cherty, micritic to litho, ns.

LM; tan to lt brn, buff, fxln w/much finely pelletal to oolitic lmst, soft, fair to gd interpart por, dull yel min fluor, no stn or odor, no gas kick, ns.

LM; lt to med brn, foss - oolitic ip, poor interpart por, scat cse opaque calc xtals w/lt yel min fluor, no stn or odor, ns.

LM; tan to med brn, most dense, litho ip, hd, rare well cem foss, occ dk gy to blk cht, no fluor, ns.

SH; blk, carb, platy, occ pyr, trc gas w/gas odor, thinly bdd hd lmst strngs.

**KANSAS CITY 'A' 4694(-1787)**

LM; tan to cream, buff, rare med brn, foss ip - well cem, blocky, trc blk tarry dead oil, med to occ brite yel fluor, no odor, poor/no vis por, tite

LM; lt brn, tan, oolitic ip, occ foss hash, poor to fair oomoldic por, scat poorly interconn. vug por, dull yel to no fluor, trc blk tar/gilsonite, no live shows

SH; blk, carb ip, gassy ip.

**KANSAS CITY 'B' 4724(-1817)**

LM; lt to med brn, gy brn, foss, occ finely pelletal to oolitic - well cem, scat lt blue fluor, no stn vis.

LM; lt brn, tan, oolitic, med size moldic por, brittle ip, scat well dev. vug por, lt yel fluor, no stn or odor, barren, no gas kick, ns.

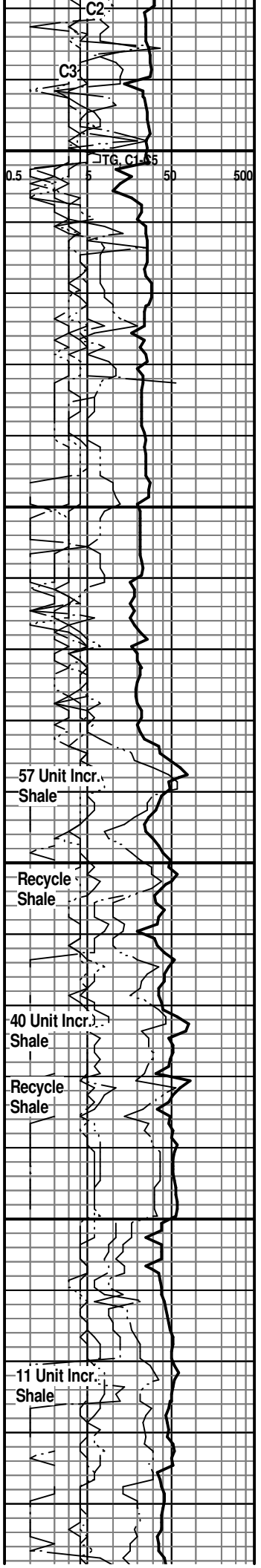
LM; lt brn, tan, oolitic, most med size moldic por, abnt wh soft chalk, much pure chalk, lt yel min fluor, no stn or odor, no gas kick, ns.

LM; med to dk brn, foss-pelletal-oolitic, hd, well cem, tite

SH; blk, v. dk gy, gy brn, firm, silty w/sltst

**KANSAS CITY 'C' 4784(-1879)**

LM; lt brn, off wh, oolitic to foss, interbdd cse xln lmst, fair oomoldic por, minor chalky mtx, no fluor, no stn or odor, no gas kick, ns.



57 Unit Incr. Shale

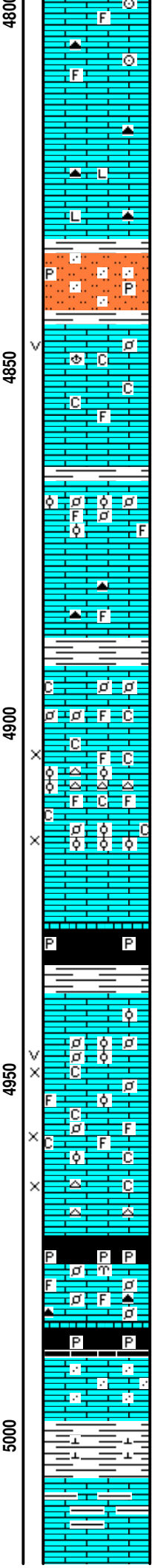
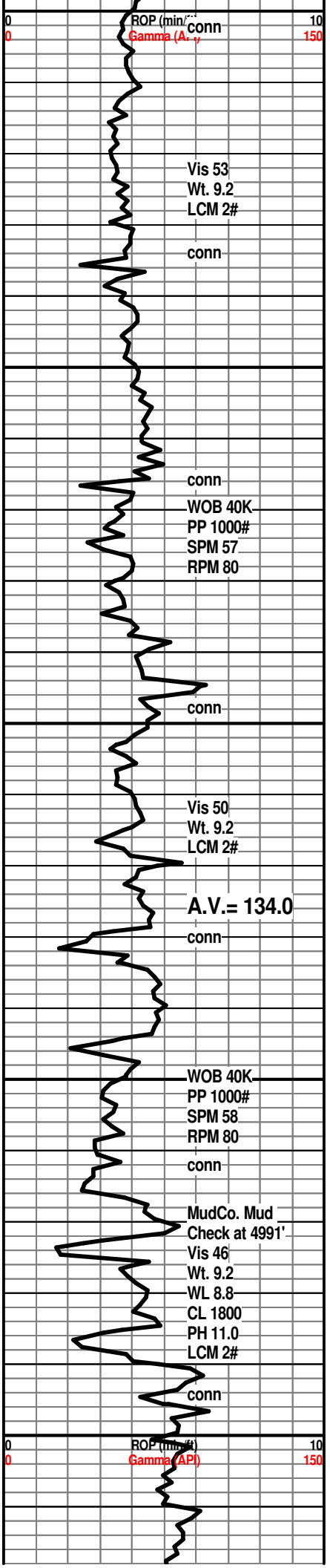
Recycle Shale

40 Unit Incr. Shale

Recycle Shale

11 Unit Incr. Shale





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

LM; med to dk brn, hd, micritic to litho, blocky, scat dk gy to occ smoky cht, tite

SLTST; lt gy to off wh, sl sandy ip, soft, rarely pyr

**MARMATON 4844(-1937)**

LM; off wh, tan to cream, cse xln w/rare foss mat, most well cem, trc small vug por, minor chalky mtz, lt yel min fluor, scat cse spar calc frags, no stn or odor, no gas kick, ns.

SH; med gy to grn, fiss

LM; med brn, foss - partly oolitic/finely pelletal, well cem, no vis por, dull yel min fluor, no stn or odor, no sample shows

LM; med brn, rare gy brn, most dense, interbdd gritty lmst, rare dk gy/brn foss cht, dull yel min fluor, ns.

SH; med gy, silty, firm

LM; tan to cream, off wh, fxln, scat fine foss pellets, minor soft chalky mtz, no vis por, dull yel min fluor only, ns.

LM; off wh to cream, v. foss w/abnt foss mat, oolitic ip, poor to fair interpart por, interbdd wh oolitic cht, lt yel min fluor, occ soft chalky mtz, no stn or odor, ns.

SH; blk, carb, gassy, some brittle, occ pyr

**PAWNEE 4938(-2031)**

LM; tan to cream, buff, rare lt brn, f to med xln, occ foss w/small mostly well cem pellets and ooids, scat fair interpart and p-p por, lt yel fluor, no stn or odor, no gas kick, ns.

LM; tan to off wh, cream, foss w/poor to fair interpart por, rare small pellets/ooids, chalky soft mtz ip, dull yel fluor, no stn or odor

LM; tan to off wh, lt brn, fxln, poor vis interxln por, dull yel to no fluor, occ tan/off wh cht, no vis stn, no odor, no sample shows

SH; blk, carb, gassy, pyr, blocky/brittle

**FORT SCOTT 4976(-2069)**

LM; lt to med brn, highly foss - finely pelletal, all well cem, hd, no vis por, scat lt yel fluor, no stn or odor, no gas kick, ns.

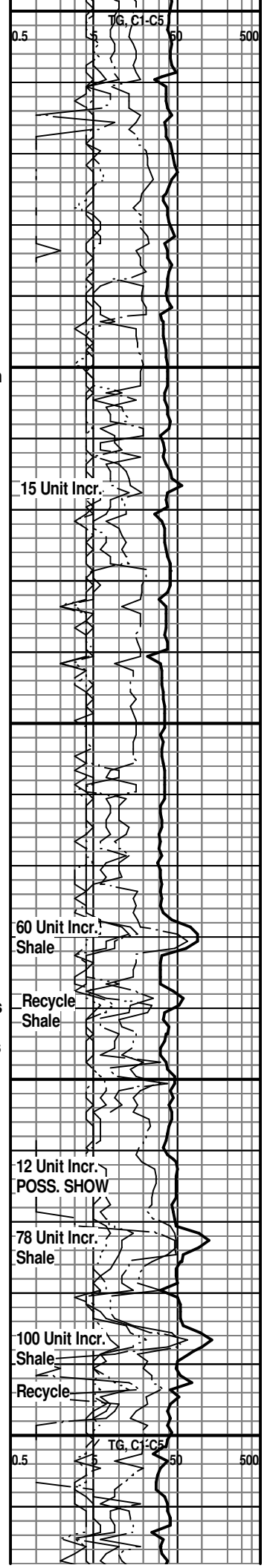
**CHEROKEE SHALE 4985(-2078)**

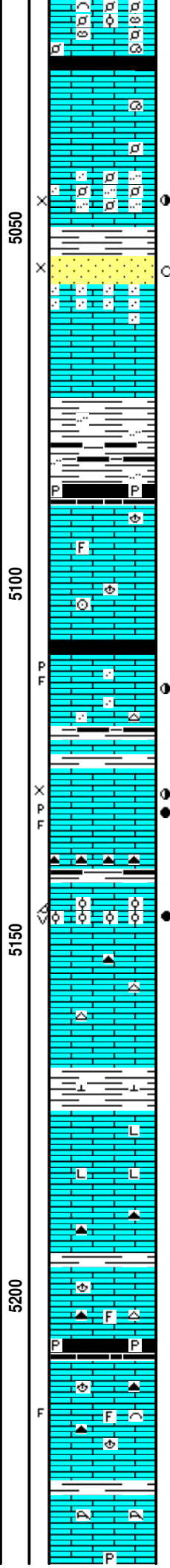
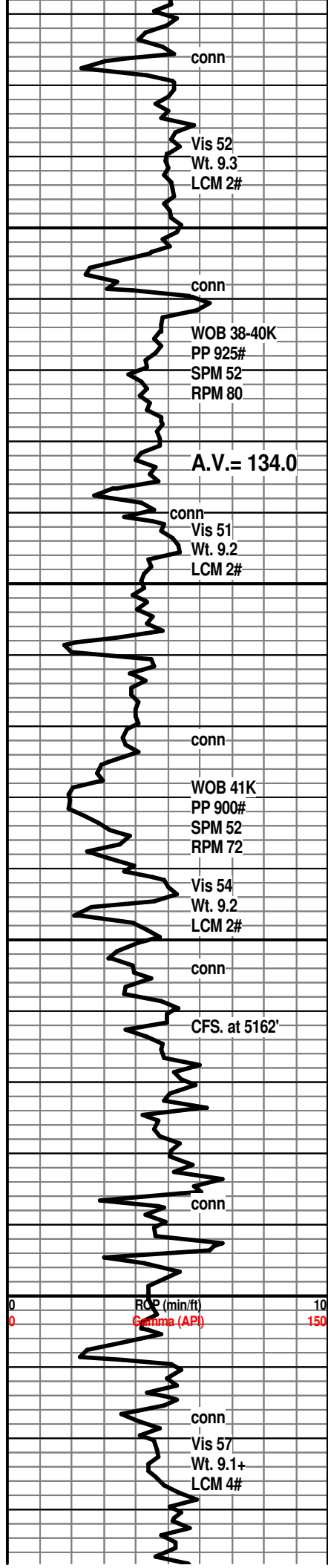
SH; blk, carb ip, gassy, occ pyr

LM; med brn, hd, some gritty text - sandy ip, scat pale yel/blue min fluor, no vis por, no stn or odor, ns.

SH; med to dk gy to grn, firm, calc

LM; med brn, gy brn, med to cse xln, interbdd argil lmst, scat lt yel fluor, no vis por, no stn or odor, ns.





LM; med brn, highly foss, pelletal, sponge spic, well cem, blocky, no vis por, no stn, ns.

SH; blk, carb ip, platy, trc gas

LM; med to occ dk brn, foss, pelletal ip, most well cem, micritic ip, no vis por, dull yel fluor, no stn or odor, ns.

LM; med to dk brn, foss-pelletal, sandy ip, loosely cem foss mat, scat lt yel fluor, no odor, gas bubbles, scat dk brn oil stn, fair cut, no apparent gas kick

SS; wh to tan, vf gr qtz, lmy - calc, fair intergran por, dull yel fluor, few gas bubbles, sl. greasy luster/questionable oil stn, weak/no cut

LM; tan to lt brn, sandy ip w/interbdd f gr qtz ss in lmst, well cem, no vis por, scat tan cht, no fluor, ns.

SH; dk gy, rare blk, silty, v. firm

SH; blk, platy, firm, occ pyr  
**ATOKA 5089(-2182)**

LM; tan to lt brn, micritic, rarely foss, no vis por, no fluor, tite, ns.

LM; lt brn, occ med brn, micritic, blocky, hd, no vis por, scat foss frags, no fluor, no stn, ns.

SH; blk, carb ip, platy, gassy ip.  
LM; med to dk brn, sandy text ip, dense, rare pcs w/poor p-p por, scat dk brn oil stn, faint odor, poss frags, dull yel flour, looks tite  
SH; dk gy, trc blk, fiss- firm

LM; lt brn, fxl n to sandy text, fair interxln w/scat p-p por, much med brn spotted to even live oil stn, SSFO., fair oil odor, most w/brite yel fluor, fair to gd cut, trc gas bubbles  
LM; tan to med brn, dk gy foss cht, tite, ns.

LM; tan to lt brn, oolitic, fair oomoldic w/rare vug por, much even lt/med brn oil stn, sev. gas bubbles, brite yel fluor, faint odor, gd cut, Trc. F.O., some w/poor por. interconnection

LM; lt to med brn, med xln, scat gy foss cht, no vis por, no stn or odor, no fluor, ns.

SH; med to dk gy, firm, calc.

LM; dk brn, dk gy brn, dense, litho, v. hd, no vis por, no fluor, ns.

LM; dk brn, gy brn, hd, blocky, scat cse opaque calc xtal, occ smoky cht, tite

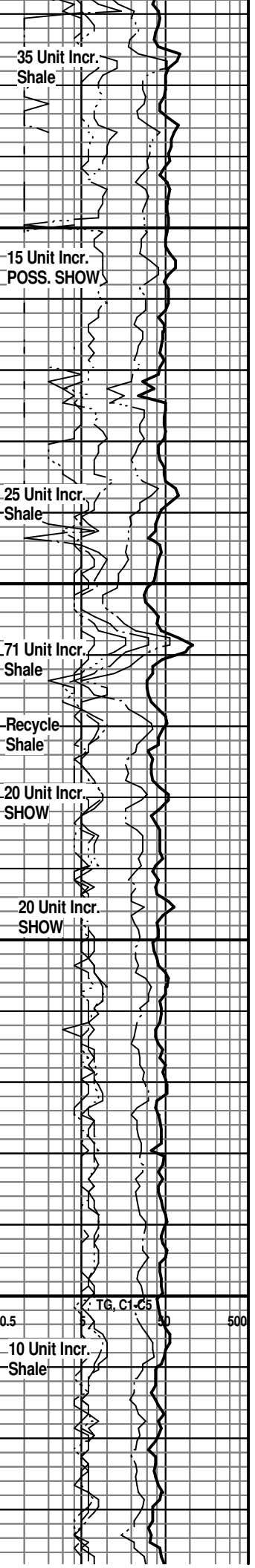
SH; dk gy, soft, fiss

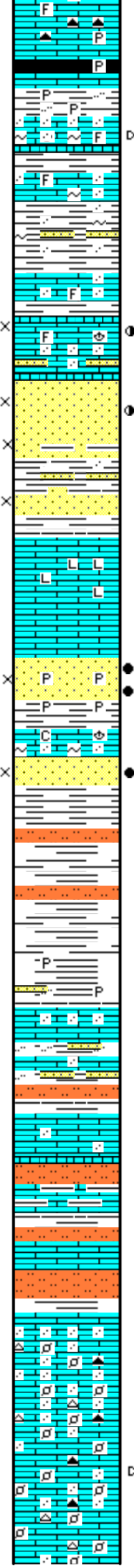
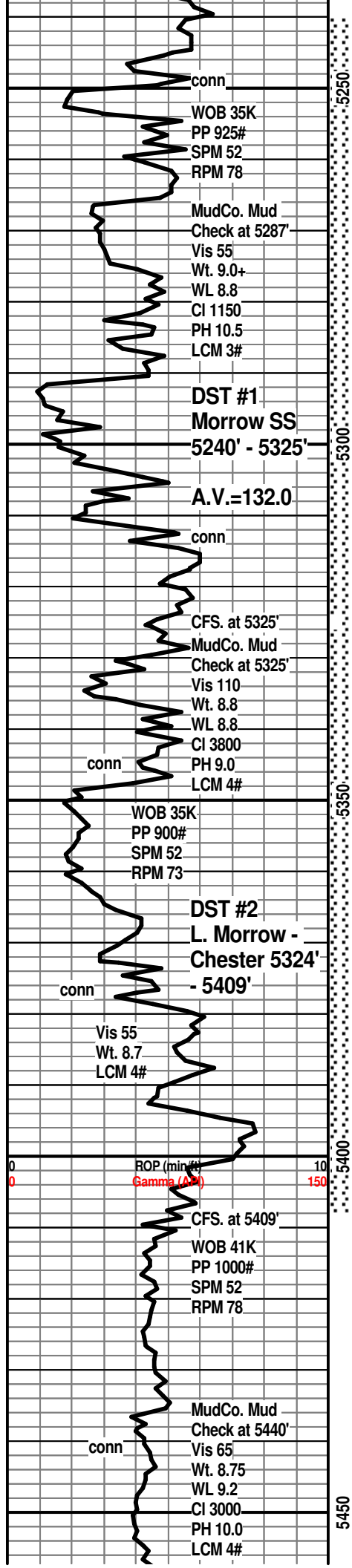
LM; tan to lt brn, rare buff, foss ip, scat gy to dk gy cht, no vis por, ns.  
**ATOKA SHALE MARKER 5206(-2299)**

SH; blk, carb ip, platy, pyr ip.

LM; med brn, med gy brn, rare lt brn, foss ip, scat dk brn to smoky cht, poss frags - scat edge calc xtals, no fluor, no stn or odor, no gas kick

LM; med gy brn, dense, occ mottled text, interbdd foss-corals, blocky, no vis por, no stn or odor, no fluor, ns.





LM; to dk gy, gy brn, most dense, occ pyr, rare well cem foss, occ blk/smoky cht, tite, ns.

**MORROW SHALE 5246(-2339)**  
SH; blk, trc coaly frags - carb, pyr ip.  
SH; med "mouse" gy, rare pale grn, pyr ip, platy

LM; off wh, lt gy brn, tan, sandy ip, occ glau, rare foss mat, lt yel fluor, poss. faint odor, rare dk brn residual oil stn, poor vis por

SH; lt to med gy, grn, firm, sandy ip w/interbdd vf gr qtz ss strngs, glau ip, no clean ss dev.

LM; med brn, sandy, scat foss mat, sandy ip w/interbdd gy fgr qtz ss, occ dk brn/blk oil stn, dull golden yel fluor, faint odor, interbdd hd siliceous lmst and varic shales

**UPPER MORROW SS 5291(-2384)**  
SS; lt gy, vf to f gr qtz, soft w/gd intergran por, dull yel fluor, gas bubbles, faint gassy odor, trc lt brn oil stn, fair cut  
SANDY SH; gy to grn, rust red, lam. f gr ss & sh  
SS; clr, med gr, subrnd, some well cem/some fri, calc, gas bubbles, dull yel fluor, no odor, no vis stn, no cut

LM; med to dk gy brn, v. hd, micritic to litho, blocky, no vis por, tite, ns.

**DST #1: Upr. Morrow SS 5240' - 5325'**  
SS; clr-dk brn(oil stn), most f gr qtz, poor to gd intergran por, dull golden yel fluor, gd odor, SFO, few gas bubbles, pyr ip, exc. streaming cut

**CHESTER 5340(-2433)**  
SS; dk brn-blk, f gr qtz, even oil stn, golden yel fluor, SSFO, some tar/gilsonite, gd odor, gd cut

SH; pale gy, grn, platy, soft ip, trc rusty red slitst

SH; varic, grn, maroon, gy, platy to flakey, occ pyr, interbdd sandy shales

LM; med gy to pale gy grn, sl. sandy text, hd, blocky, scat dull yel fluor, no stn, ns.

SH; varic, maroon, grn, rust/brn, rare lavender, platy, interbdd shaly tite ss strngs and slitst

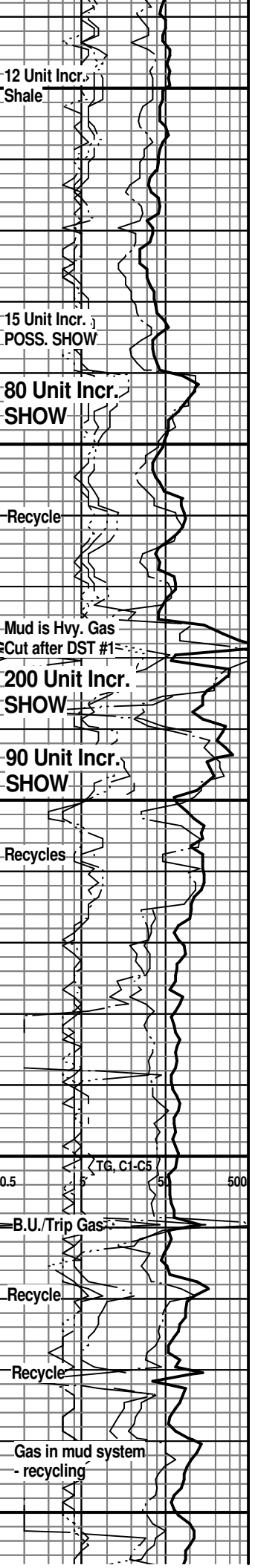
LM; rust/brick red. pale org, rose red, off wh, weathered ip, hd, dull yel min fluor, ns.

SLTST; rust red, brn, interbdd of off wh to brick red partly shaly lmst

**DST #2: Lwr Morrow/-Chester 5324' - 5409'**  
SH; varic, platy, interbdd silty sh & slitst

**ST. GENEVIEVE 5422(-2515)**  
LM; wh, off wh, tan, interbdd well cem vf to f gr qtz, finely pelletal ip, scat brite org cht, no vis por, no stn, ns.  
LM; wh to off wh, sandy to finely pelletal, minor chalky mtz, occ org fresh cht, no vis por, no fluor, ns.

LM; off wh, tan, rare lt gy, finely pelletal, decr. qtz sand content, interbdd amber to org cht, no fluor, rare pcs w/blk dead oil/tarry flakes, no live oil shows



conn  
Vis 65  
Wt. 8.7  
LCM 5#  
WOB 40K  
PP 775#  
SPM 52  
RPM 76

conn

Vis 58  
Wt. 8.8  
LCM 6#

A.V.=139.0

conn  
DST #3  
St. Louis  
5518' - 5569'

CFS. at 5569'  
MudCo. Mud  
Check at 5569'  
Vis 69  
Wt. 8.8  
WL 9.6  
CI 4300  
PH 9.0  
LCM 4#

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

Vis 60  
Wt. 8.8  
LCM 4#

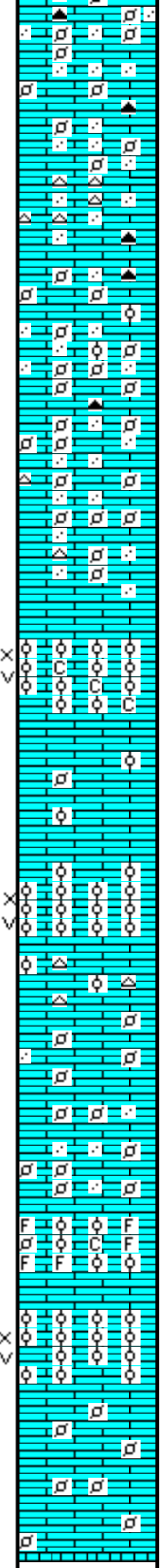
CFS. at 5625' RTD.

5500

5550

5600

5650



LM; off wh, wh, tan, occ lt gy, sandy ip, rnd tan/off wh/buff carb pellets in dense mtx, occ brite org cht, no fluor, no stn or odor, ns.

LM; off wh, tan, lt gy, firm, sandy, decr. amt. of rnd foss pellets, scat opaque to amber/org cht, no vis por, no fluor, ns.

LM; off wh, tan to lt brn, finely pelletal, rare small oolites, well cem, scat rnd pellets w/med gr qtz in dense mtx, no fluor, no stn or odor, ns.

LM; tan to off wh, lt brn, most dense, occ brite org cht, well cem vf to f gr qtz, small rnd carb pellets, no vis por, no stn or odor, ns.

**ST. LOUIS 'A' 5525(-2618)**

LM: wh, off wh, oolitic, most med size oolites, occ chalky mtx, fair interpart w/some vug por, spotted dk brn oil stn, gas bubbles, fair oil odor, brite yel fluor, fair cut, some well cem

LM; tan to lt brn, finely pelletal to oolitic, hd, well cem, no vis por, tite

**ST. LOUIS 'B' 5551(-2644)**

LM; off wh, tan, oolitic, med size oolites, clusters, SFO, brite yel fluor, gas bubbles, most w/med brn even oil stn, fair to gd interpart w/some well dev. vug por, gd cut, gd odor

LM; lt brn, tan, sandy, scat wh oolitic cht, tite

**DST #3: St. Louis 'A & B' 5518' - 5569'**

LM; off wh, tan, rare lt brn, finely pelletal, some med gr rnd qtz in dense mtx, no vis por, no fluor, ns.

LM; off wh, tan to lt brn, foss - oolitic, abnt cse foss frags, well cem, minor chalky mtx, dull/lt yel fluor, no stn or odor, ns.

**ST. LOUIS 'C' 5598(-2907)**

LM; tan, off wh, oolitic, med size ooids, fairly good interpart por w/scat vug por, lt brn oil stn, SSFO(lighter oil than 'B' zone), gas bubbles, gd cut, med to brite yel fluor, fair to gd odor

LM; tan to lt brn, finely pelletal, minor chalky mtx, most well cem, blocky, no vis por, tite

RTD. 5625' at 11:45 PM 7/9/11

LTD. 5618'

Halliburton DIL, NEU/DEN w/PE,  
Microlog

30 Unit Incr.  
SHOW

Recycle More than  
Gas Kick!!

75 Unit Incr.  
SHOW

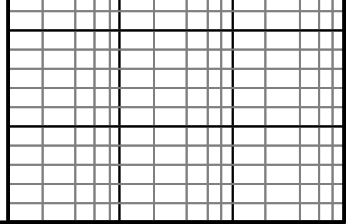
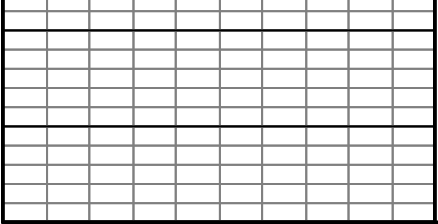
Recycle

Mud is Heavy Gas  
cut after DST #3

Recycles

65 Unit Incr. C1-C5  
SHOW

50 500





**PAID**  
7-29-11  
FNB SP# 7306

PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 07/16/2011
INVOICE NUMBER 1717 - 90646985		

**Liberal** (620) 624-2277      J LEASE NAME      Stapleton #4-10  
 B STRATA EXPLORATION      O LOCATION  
 I PO Box: 401      B COUNTY      Haskell  
 L FAIRFIELD      S STATE      KS  
 L IL US      62837      I JOB DESCRIPTION      Cement-New Well Casing/Pi  
 T      E JOB CONTACT  
 O ATTN:

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40343954	27808		Net - 30 days	08/15/2011

For Service Dates: 07/11/2011 to 07/11/2011	QTY	U of M	UNIT PRICE	INVOICE AMOUNT																																		
					<table border="1"> <tr> <td>LEASE</td> <td></td> <td></td> <td>LEV</td> <td>P/P</td> </tr> <tr> <td>7/21</td> <td>STAPLETON 4-10</td> <td></td> <td>5</td> <td>7/20</td> </tr> <tr> <td>DES</td> <td>CEMENT 5 1/2" LONGSTRING</td> <td></td> <td></td> <td>A/P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>7/25</td> </tr> <tr> <td>DRL</td> <td>COM</td> <td>LOE</td> <td>G/L</td> <td>D/D</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td>73551/</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>16,142.55</td> <td></td> </tr> </table>				LEASE			LEV	P/P	7/21	STAPLETON 4-10		5	7/20	DES	CEMENT 5 1/2" LONGSTRING			A/P					7/25	DRL	COM	LOE	G/L	D/D	X			73551/	
LEASE			LEV	P/P																																		
7/21	STAPLETON 4-10		5	7/20																																		
DES	CEMENT 5 1/2" LONGSTRING			A/P																																		
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DRL	COM	LOE	G/L	D/D																																		
X			73551/																																			
			16,142.55																																			
0040343954																																						
171702059A Cement-New Well Casing/Pi 07/11/2011																																						
5 1/2" Longstring																																						
Premium/Common	50.00	EA	11.35	567.56 T																																		
50/50 POZ	260.00	EA	7.80	2,029.03 T																																		
Gypsum	438.00	EA	0.53	233.05 T																																		
KCL, Potassium Chloride	629.00	EA	1.06	669.37 T																																		
Gilsonite	1,560.00	EA	0.48	741.52 T																																		
C-15	110.00	EA	8.87	975.50 T																																		
C-42P	55.00	EA	5.68	312.16 T																																		
Auto Fill Float Shoe - 5 1/2"	1.00	EA	255.40	255.40																																		
Latch Down Plug & Baffle - 5 1/2"	1.00	EA	283.78	283.78																																		
Centralizer - 5 1/2"	7.00	EA	46.11	322.80																																		
Centralizer (Turbo) - 5 1/2"	16.00	EA	53.21	851.34																																		
Cement Port Collar - 5 1/2"	1.00	EA	3,405.37	3,405.37																																		
Basket - 5 1/2"	2.00	EA	205.74	411.48																																		
Threadlock Compound Kit	1.00	EA	24.12	24.12																																		
Mud Flush	500.00	EA	0.61	305.06 T																																		
CC-1	10.00	EA	31.22	312.16 T																																		
Heavy Equipment Mileage	70.00	MI	4.97	347.63																																		
Blending & Mixing Service Charge	310.00	MI	0.99	307.90																																		
Proppant and Bulk Delivery Charge	466.00	MI	1.14	528.97																																		
Depth Charge; 5001' - 6000'	1.00	EA	2,043.22	2,043.22																																		
Plug Container Utilization Charge	1.00	EA	177.36	177.36																																		
Pickup Mileage	35.00	MI	3.02	105.53																																		
Service Supervisor	1.00	HR	124.15	124.15																																		
Cement Data Acquisition Monitor	1.00	EA	390.20	390.20																																		

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	15,724.66
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	417.89
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	16,142.55
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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

FIELD SERVICE TICKET  
1717 02059 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 7-11-11	DISTRICT: 1717	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: Strata Exploration	LEASE: Stapleton # 1-10	WELL NO.:								
ADDRESS:	COUNTY: Haskell	STATE: KS								
CITY:	STATE:	SERVICE CREW: T. Gibson, D. Canadian								
AUTHORIZED BY: J. Bennett JRB	JOB TYPE: 242- 5/8" S + 5/8" P. Production									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
34726	5						7-10-11			5:30
27508-	1					ARRIVED AT JOB	7-10-11			9:00
19553-	4					START OPERATION	7-11-11			5:00
19527-	1					FINISH OPERATION				6:00
19566	4					RELEASED				7:00
						MILES FROM STATION TO WELL	35 mi			

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
CL100	Premium/ Common	SK	50		800 00
CL104	50/50 P02	SK	260		2860 00
CL113	Gypsum	lb	438		328 50
CL100	KOP	lb	629		943 50
CL201	Gilsonite	lb	1500		1045 20
CL103	C-15	lb	110		1375 00
CL107	C-42	lb	55		440 00
CE1251	5/8" Auto Fill Float Shoe	ea	1		360 00
CE1607	Latch Down Plug + Baffle		1		400 00
CE1771	Centralizer		7		455 00
CE1779	Turbolizer		16		1200 00
CE471	Port Collar		1		4800 00
CE1901	Baskets		2		580 00
CE3000	Thread Lock		1		34 00
CC151	Mud Flush	gal	500		430 00
CE706	Oil IP	gal	10		440 00
CE101	Heavy Equipment Milage	mi	70		490 00
CE940	Blending & Mixing Service	SK	310		434 00
CE113	Proppant + Bulks Delivery	cu/yd	1106		745 60
SUB TOTAL					15,724 60

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE:	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)





# Cement Report

Customer	Strata Exploration		Lease No.			Date	7-11-11		
Lease	Shapleton		Well #	4-10		Service Receipt	02059		
Casing	5 1/2" 15.5"	Depth	5640'		County	Haskell		State	KS
Job Type	742-5 1/2" Production		Formation			Legal Description	10-30-32		

Pipe Data				Perforating Data				Cement Data	
Casing size	5 1/2" 15.5"	Tubing Size		Shots/Ft				Lead	260 sk
Depth	5640'	Depth		From	To			59/50 Poz	
Volume	1311 bbl disp	Volume		From	To			Tail in - 50 sk Class H	
Max Press	2500#	Max Press		From	To				
Well Connection	10-5645'	Annulus Vol.		From	To				
Plug Depth	51-17' (5623')	Packer Depth	2883'	From	To				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:15					on loc. site assessment (layin dc)
9:00					spot trucks, rig up
10:00					start csg + float equip
3:30					csg on btm, break circ
3:30					safety meeting
5:40					pressure test pumping lines 3000#
6:00	150		12	4	pump 500 gal mud flush
5:45	25		13	3	plug rat & mouse holes w/ 50 sk Class H
6:05			65	6	mix + pump 260 sk 50/50 Poz
					5% W60, 5% KCL, 6" Gilsonite,
					.5% C-15, 1/2" De-former
					- 1.40 ft/sk, 5.79 gal/sk @ 13.8 ppm
6:20					wash pumping lines
6:22	0		0	6	drop plug disp csg
6:40	900		134	2	slow rate last 10 bbl of disp
6:45	1500		134	0	land plug, float held
					job complete

Service Units	34726	07808-14553	19827-19566			
Driver Names	A. Oliveira	T. Gibson	D. Canaday			

G. Payne Customer Representative      J. Bennett Station Manager      A. Oliveira Cementer



**PAID**  
7-29-11  
FNB SP #7306

PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 07/19/2011
INVOICE NUMBER 1717 - 90648884		

**Liberal** (620) 624-2277      J LEASE NAME      Stapleton #4-10  
 B STRATA EXPLORATION      O LOCATION  
 I PO Box: 401      B COUNTY      Haskell  
 L FAIRFIELD      S STATE      KS  
 L IL US      62837      I JOB DESCRIPTION      Cement-New Well Casing/Pi  
 T O ATTN:      E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40345274	27808		Net - 30 days	08/18/2011

**For Service Dates: 07/18/2011 to 07/18/2011**

0040345274

171702038A Cement-New Well Casing/Pi 07/18/2011  
 Port Collar

A-Serv Lite  
 Premium Plus Cement  
 Calcium Chloride  
 Celloflake  
 C-51  
 Heavy Equipment Mileage  
 Blending & Mixing Service Charge  
 Proppant and Bulk Delivery Charge  
 Depth Charge; 2001' - 3000'  
 Pickup Mileage  
 Service Supervisor

QTY	U of M	UNIT PRICE	INVOICE AMOUNT																				
<table border="1"> <tr> <td>LEASE</td> <td>7/22</td> <td>STAPLETON 4-10</td> <td>LEV 5</td> <td>P/P 7/20</td> </tr> <tr> <td>DES</td> <td colspan="3">PORT COLLAR CEMENT JOB</td> <td>A/P 7/25</td> </tr> <tr> <td>DRL</td> <td>COM</td> <td>LOE</td> <td>G/L</td> <td>D/D</td> </tr> <tr> <td></td> <td>X</td> <td></td> <td>73550/6,371.30</td> <td></td> </tr> </table>				LEASE	7/22	STAPLETON 4-10	LEV 5	P/P 7/20	DES	PORT COLLAR CEMENT JOB			A/P 7/25	DRL	COM	LOE	G/L	D/D		X		73550/6,371.30	
LEASE	7/22	STAPLETON 4-10	LEV 5	P/P 7/20																			
DES	PORT COLLAR CEMENT JOB			A/P 7/25																			
DRL	COM	LOE	G/L	D/D																			
	X		73550/6,371.30																				
235.00	EA	8.45	1,985.74 T																				
50.00	EA	10.60	529.75 T																				
504.00	EA	0.68	343.98 T																				
69.00	EA	2.41	165.95 T																				
41.00	EA	16.25	666.25 T																				
90.00	MI	4.55	409.50																				
285.00	MI	0.91	259.35																				
378.00	MI	1.04	393.12																				
1.00	EA	1,170.00	1,170.00																				
30.00	MI	2.76	82.88																				
1.00	HR	113.75	113.75																				

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,120.27
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	251.03
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,371.30
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1717 02038 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 7-18-11		DISTRICT: 1717		NEW WELL <input checked="" type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: State Exploration				LEASE: State Exploration				WELL NO. 410							
ADDRESS:				COUNTY: Haskell				STATE: KS							
CITY:				STATE:				SERVICE CREW: Colman/Plumb/Gal/Rivers							
AUTHORIZED BY: T. Davis				JOB TYPE: 244 5/2 Part Collar				JRB							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
21155	4.5						7/18			06:00					
21868	4.5						7/18			08:30					
19553	4.5						7/18			10:30					
19847	4.5						7/18			12:00					
19511	4.5						7/18			13:00					
						RELEASED									
						MILES FROM STATION TO WELL				4.3					

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: *Richard Kelly*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
2116	Acid	gal	315		3055.00
2110	Premium Phase Invert	gal	50		815.00
20109	Colman Potash	lb	509		529.20
20102	Colman Potash	lb	157		255.30
20130	Cost	lb	41		1025.00
2101	Heavy Equip. Mileage	mi	70		630.00
20240	Blending + Mixing Serv. Chrg.	SK	285		399.00
2113	Bulk Delivery	TK	378		604.80
20203	Depth Chrg. 2000-3000'	4hr	1		1800.00
2100	Pickup Mileage	mi	30		127.50
2003	Service Supervisor	hr	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL	4120.21
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: *Michael Beckman*  
FIELD SERVICE ORDER NO. \_\_\_\_\_  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Richard Kelly*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

# Cement Report

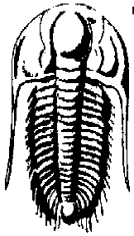
Customer <i>211245 Exploration</i>	Lease No.	Date <i>7-18-11</i>
Lease <i>211245 Exploration</i>	Well # <i>4 H</i>	Service Receipt <i>141402037</i>
Casing <i>14 1/2</i>	Depth <i>2881</i>	County <i>Worth</i> State <i>Kc</i>
Job Type <i>7 1/2 Acid Job</i>	Formation	Legal Description <i>10 30 32</i>

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size <i>5 1/2</i>	Shots/Ft		Lead <i>235 sk @ 12.3#</i>
Depth	Depth <i>2881</i>	From	To	<i>2.2 @ 12.3# @ 11.4</i>
Volume	Volume	From	To	<i>2.2 @ 12.3# @ 11.4</i>
Max Press	Max Press	From	To	<i>14.5# @ 12.3#</i>
Well Connection	Annulus Vol.	From	To	Tail in <i>2.2 @ 12.3# @ 11.4</i>
Plug Depth	Packer Depth	From	To	<i>1.2 @ 12.3# @ 6.33 @ 11.4</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
08:30					on 1 1/2" Well Safety 11.1.11
08:40					Spud in
08:45					Start 1/2" 11.4 @ 11.4
09:50					Tool Joint 11.4 @ 11.4
10:48	300				Pressure up Tool + open Tool
10:49	450		10	2	Start 1/2" 11.4 @ 11.4
10:51	700		86	2.5	Start Lead C 11.4 @ 12.3#
11:17	500		12	2.5	Start Tail C 11.4 @ 14.8#
11:22	750		0	2.5	Start Disp w/ 1/2" KCl
11:25	700		11	0	Shut down 1/2" Press Tool
11:35	1700				Pressure Test C 11.4
11:36					Knock off
11:38					Big Running in 1/2" JTS
11:41					Knock off
11:41					Reverse Well w/ 1/2" KCl
11:45					Shut down
11:50					End Job

Service Units	<i>211245</i>	<i>141402037</i>	<i>150001906</i>		
Driver Names	<i>Carlson</i>	<i>Murphy</i>	<i>Rosen</i>		

*M. Kelley* Customer Representative     
 *J. Bennett* Station Manager     
 *M. Carlson* Cementer



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration Inc.  
Box 401 Fairfield IL. 62837 0401  
ATTN: Jon C.

**Stapleton #4-10**  
**10/30/32**  
Job Ticket: 39439      **DST#: 1**  
Test Start: 2011.07.06 @ 21:15:00

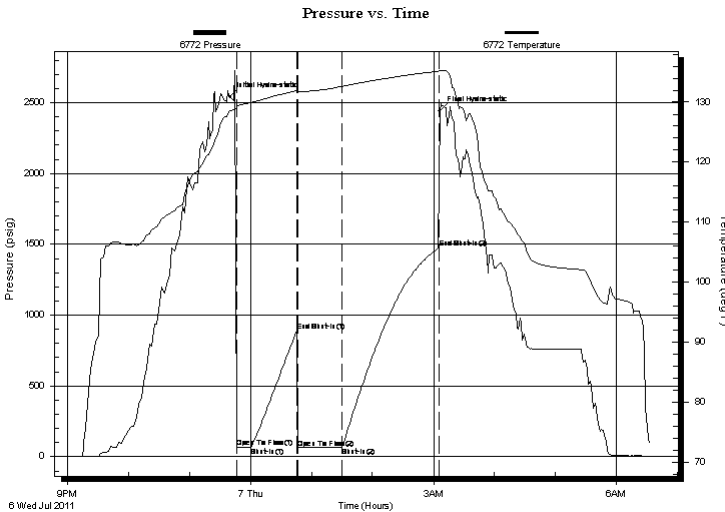
## GENERAL INFORMATION:

Formation: **Upper Morrow**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:46:30  
Time Test Ended: 06:32:30  
Interval: **5240.00 ft (KB) To 5325.00 ft (KB) (TVD)**  
Total Depth: 5325.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Harley Davidson  
Unit No: 33  
Reference Elevations: 2907.00 ft (KB)  
2894.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 6772      Outside**  
Press @ RunDepth: 67.24 psig @ 5242.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.07.06      End Date: 2011.07.07      Last Calib.: 2011.07.07  
Start Time: 21:15:05      End Time: 06:32:30      Time On Btm: 2011.07.06 @ 23:40:00  
Time Off Btm: 2011.07.07 @ 03:06:15

**TEST COMMENT:** IF- Good blow BOB 4min.  
IS- No blow back.  
FF- Strong blow BOB ASAO, NO GTS.  
FS- No blow back.

## PRESSURE SUMMARY



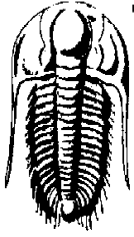
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2540.88	128.55	Initial Hydro-static
7	63.95	129.12	Open To Flow (1)
21	67.21	129.95	Shut-In(1)
66	889.59	131.91	End Shut-In(1)
67	63.65	131.73	Open To Flow (2)
110	67.24	132.62	Shut-In(2)
206	1474.43	135.18	End Shut-In(2)
207	2443.14	135.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3500 GIP	0.00
20.00	5%oil 95%mud trace of gas	0.10

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Strata Exploration Inc.  
Box 401 Fairfield IL. 62837 0401  
ATTN: Jon C.

**Stapleton #4-10**  
**10/30/32**  
Job Ticket: 39439      **DST#: 1**  
Test Start: 2011.07.06 @ 21:15:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1150.00 ppm			
Filter Cake: inches			

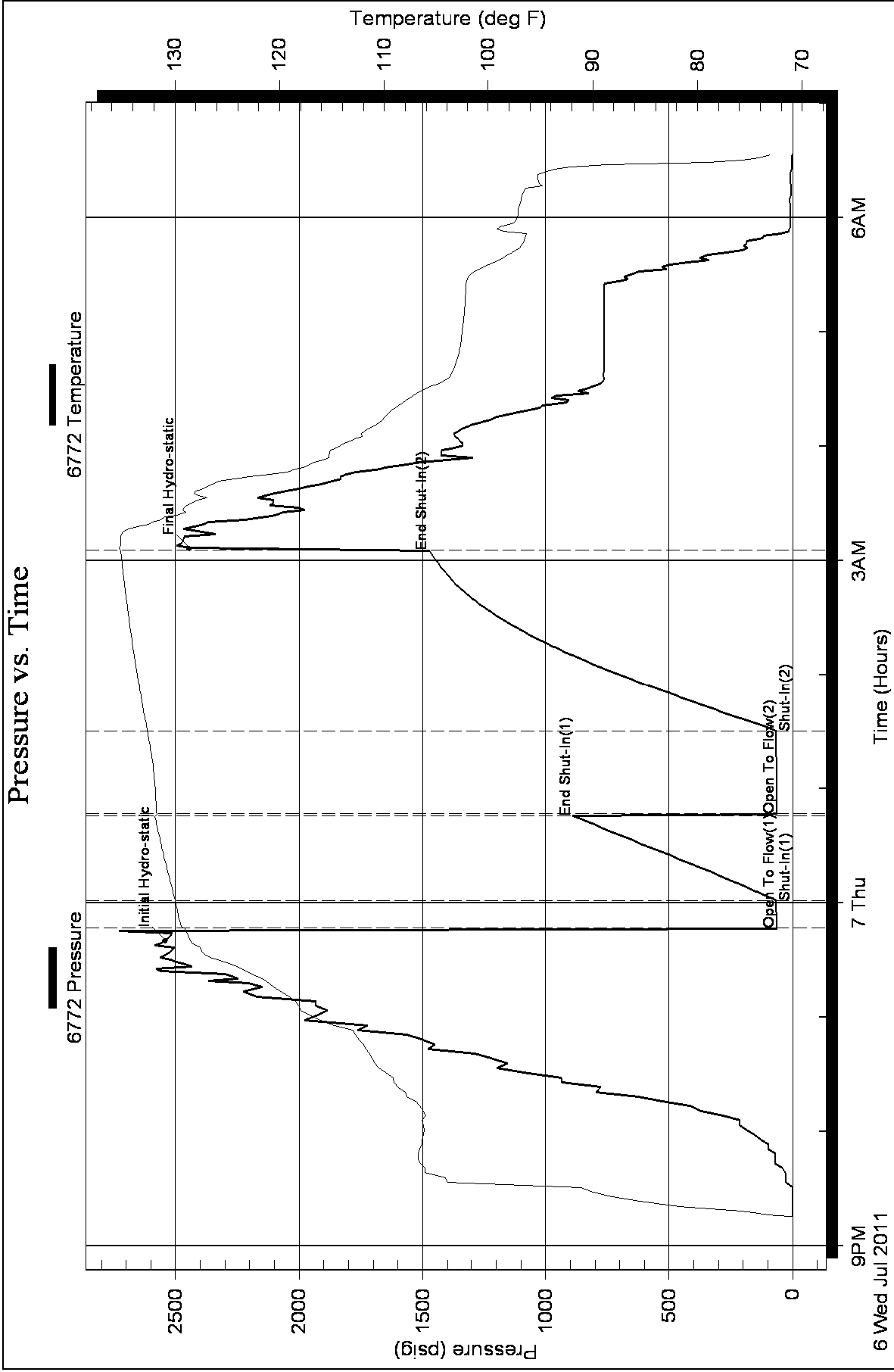
## Recovery Information

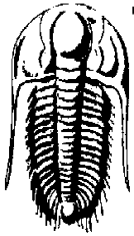
Recovery Table

Length ft	Description	Volume bbl
0.00	3500 GIP	0.000
20.00	5%oil 95%mud trace of gas	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration Inc.  
Box 401  
Fairfield IL. 62837 0401  
ATTN: Jon C.

**Stapleton #4-10**  
**10/30/32**  
Job Ticket: 39440      **DST#: 2**  
Test Start: 2011.07.07 @ 00:30:00

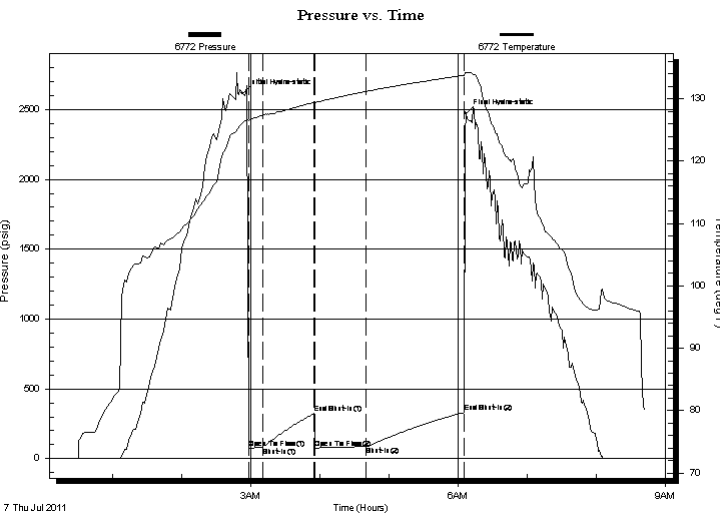
## GENERAL INFORMATION:

Formation: **Chester S.**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 02:58:15  
Time Test Ended: 08:42:15  
**Interval: 5324.00 ft (KB) To 5409.00 ft (KB) (TVD)**  
Total Depth: 5409.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Harley Davidson  
Unit No: 33  
Reference Elevations: 2907.00 ft (KB)  
2894.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 6772      Outside

Press @ RunDepth: 85.86 psig @ 5327.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.07.07      End Date: 2011.07.07      Last Calib.: 2011.07.08  
Start Time: 00:30:05      End Time: 08:42:14      Time On Btm: 2011.07.07 @ 02:53:15  
Time Off Btm: 2011.07.07 @ 06:07:15

TEST COMMENT: IF- Good building blow , BOB 15min.  
IS- No blow back.  
FF- Strong blow BOB ASAO, No GTS.  
FS- No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2614.61	126.22	Initial Hydro-static
5	72.19	126.50	Open To Flow (1)
18	83.48	127.39	Shut-In(1)
63	327.16	129.44	End Shut-In(1)
63	71.42	129.40	Open To Flow (2)
108	85.86	131.19	Shut-In(2)
193	332.07	133.78	End Shut-In(2)
194	2471.01	134.25	Final Hydro-static

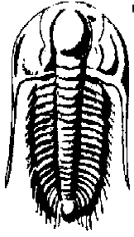
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	680 GIP	0.00
60.00	trace of gas 5%oil 95%mud	0.30
60.00	10%gas 40%mud 50% oil	0.30

## Gas Rates

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





**TRILOBITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Strata Exploration Inc.

**Stapleton #4-10**

Box 401  
Fairfield IL. 62837 0401

**10/30/32**

Job Ticket: 39440

**DST#: 2**

ATTN: Jon C.

Test Start: 2011.07.07 @ 00:30:00

**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: 11.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	680 GIP	0.000
60.00	trace of gas 5%oil 95%mud	0.295
60.00	10%gas 40%mud 50% oil	0.295

Total Length: 120.00 ft      Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

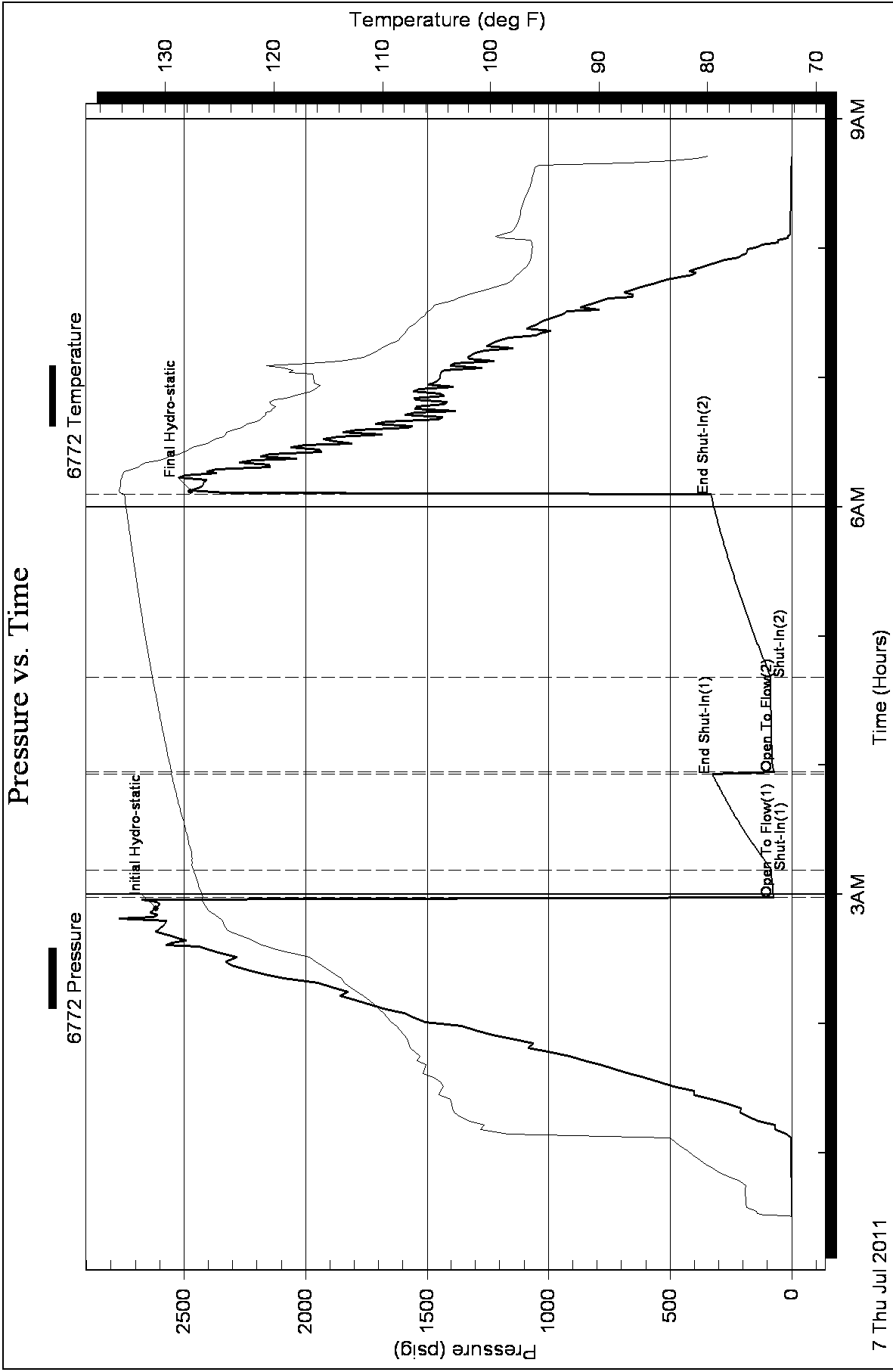
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Strata Exploration Inc.  
Box 401 Fairfield IL. 62837 0401  
ATTN: Jon C.

**Stapleton #4-10**  
**10/30/32**  
Job Ticket: 39441 **DST#: 3**  
Test Start: 2011.07.09 @ 06:30:00

## GENERAL INFORMATION:

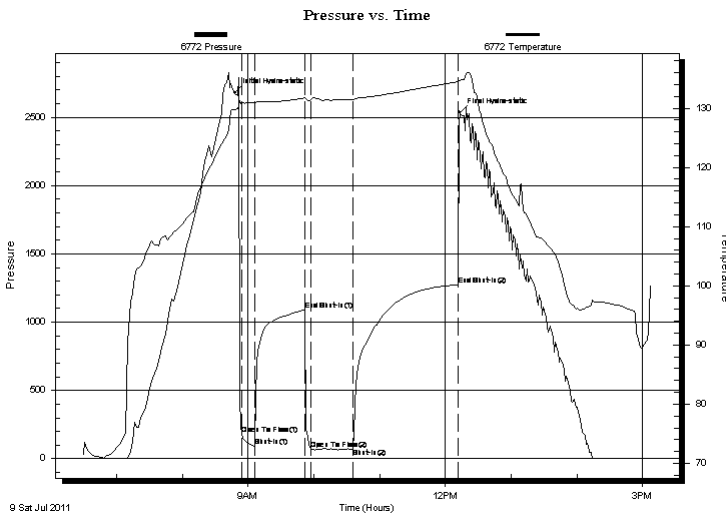
Formation: **St. Louis**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:54:15  
Time Test Ended: 15:08:00  
Interval: **5518.00 ft (KB) To 5569.00 ft (KB) (TVD)**  
Total Depth: 5569.00 ft (KB) (TVD)  
Hole Diameter: 7.78 inches Hole Condition: Fair  
Reference Elevations: 2907.00 ft (KB)  
2894.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 6772 Outside

Press @ RunDepth: 74.65 psig @ 5521.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.07.09 End Date: 2011.07.09 Last Calib.: 2011.07.09  
Start Time: 06:30:05 End Time: 15:08:00 Time On Btm: 2011.07.09 @ 08:48:15  
Time Off Btm: 2011.07.09 @ 12:13:15

**TEST COMMENT:** IF- Strong blow BOB, GTS 3min.  
IS- No blow back.  
FF- Strong blow BOB GTS, ASAO.  
FS- No blow back.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2677.76	129.79	Initial Hydro-static
6	181.95	130.65	Open To Flow (1)
18	90.95	130.92	Shut-In(1)
64	1092.35	131.76	End Shut-In(1)
70	70.49	131.49	Open To Flow (2)
108	74.65	131.47	Shut-In(2)
203	1274.16	134.47	End Shut-In(2)
205	2537.37	134.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	5%oil 20%gas 75% mud	0.30
180.00	5% gas 95% oil	0.89

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	6.00	586.48
Last Gas Rate	0.50	1.50	107.26
Max. Gas Rate	0.50	13.00	184.83



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Strata Exploration Inc.  
Box 401 Fairfield IL. 62837 0401  
ATTN: Jon C.

**Stapleton #4-10**  
**10/30/32**  
Job Ticket: 39441      **DST#: 3**  
Test Start: 2011.07.09 @ 06:30:00

## 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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

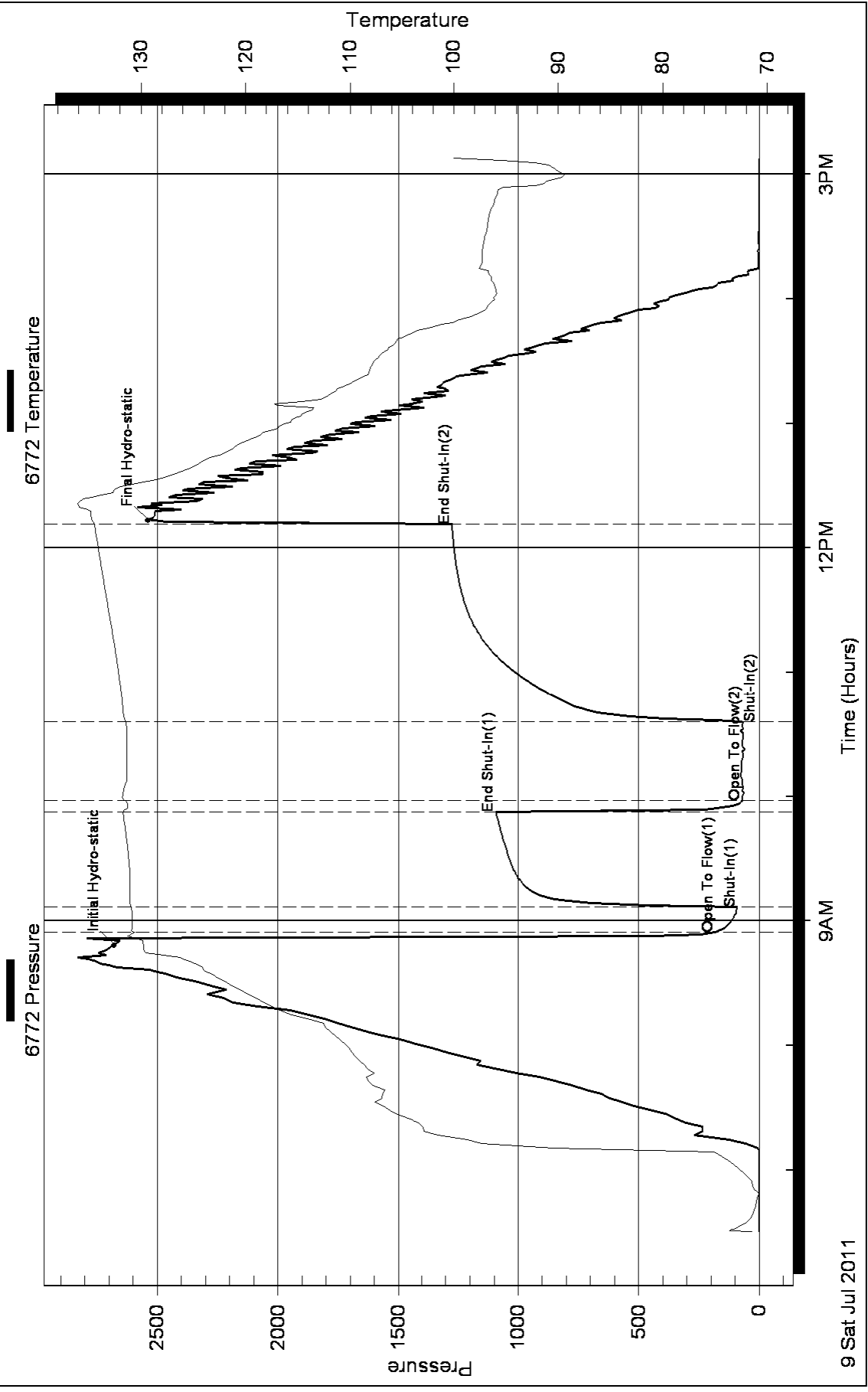
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	5%oil 20%gas 75%mud	0.295
180.00	5% gas 95% oil	0.885

Total Length: 240.00 ft      Total Volume: 1.180 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time





PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	07/01/2011
INVOICE NUMBER		
1717 - 90636717		

**Liberal** (620) 624-2277  
 B STRATA EXPLORATION  
 I PO Box: 401  
 L FAIRFIELD  
 L IL US 62837  
 T  
 O ATTN:

J LEASE NAME Stapleton #4-10  
 O LOCATION  
 B COUNTY Haskell  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40338413	27462		Net - 30 days	07/31/2011

**For Service Dates: 06/30/2011 to 06/30/2011**

0040338413

171701819A Cement-New Well Casing/Pi 06/30/2011  
8 5/8" Surface

LEASE	STAPLETON	LEV	P/P
	4-10	5	7/9
DES	CEMENT SURFACE		A/P
			7/11
DFL	COM	LOE	G/L
X			71730/18657 99

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
A-Con Blend	455.00	EA	13.95	6,347.25 T
Premium Plus Cement	150.00	EA	12.23	1,833.75 T
Calcium Chloride	1,566.00	EA	0.79	1,233.23 T
Celloflake	152.00	EA	2.78	421.80 T
C-51	86.00	EA	18.75	1,612.50 T
Guide Shoe - Regular - 8 5/8"	1.00	EA	285.00	285.00
Auto Fill Float Collar - 8 5/8"	1.00	EA	956.25	956.25
Centralizer - 8 5/8"	4.00	EA	108.75	435.00
Basket - 8 5/8"	1.00	EA	236.25	236.25
Top Rubber Cement Plug - 8 5/8"	1.00	EA	168.75	168.75
Heavy Equipment Mileage	105.00	MI	5.25	551.25
Blending & Mixing Service Charge	605.00	MI	1.05	635.25
Proppant and Bulk Delivery Charge	996.00	MI	1.20	1,195.20
Depth Charge; 1001' - 2000'	1.00	EA	1,125.00	1,125.00
Plug Container Utilization Charge	1.00	EA	187.50	187.50
Pickup Mileage	35.00	MI	3.19	111.56
Service Supervisor	1.00	HR	131.25	131.25
Cement Data Acquisition Monitor	1.00	EA	412.50	412.50

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	17,879.29
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	778.50
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	18,657.79
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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

FIELD SERVICE TICKET  
1717 01819 A

DATE \_\_\_\_\_ TICKET NO. 1819A

DATE OF JOB <u>6-29-11</u>		DISTRICT <u>1717 Liberal Ks</u>		NEW WELL <input 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>Stapleton</u>				WELL NO. <u>4-10</u>							
ADDRESS				COUNTY <u>Haskell</u>				STATE <u>Ks</u>							
CITY				STATE				SERVICE CREW <u>Kloy S Swafford M Esqueda D Canaday</u>							
AUTHORIZED BY <u>Jerry Bennett</u>				JOB TYPE: <u>2-42 Surface</u>											
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
<u>27462</u>	<u>10</u>						<u>6-29-11</u>			<u>5:00</u>					
<u>19805</u>	<u>10</u>					ARRIVED AT JOB				<u>7:30</u>					
<u>19808</u>	<u>10</u>					START OPERATION				<u>1:50</u>					
<u>19827</u>	<u>10</u>					FINISH OPERATION				<u>3:30</u>					
<u>19566</u>	<u>10</u>					RELEASED				<u>4:30</u>					
						MILES FROM STATION TO WELL					<u>29</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: X Alan Latta  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
C1101	A-Con Blend	SK	455		8463 00
C1110	Premium Plus Cement	SK	150		2445 00
CC109	Calcium Chloride	lb	1566		1644 30
CC102	Celloflakr	lb	152		562 40
CC130	C-51	lb	86		2150 00
CF253	Guide shoe 8.63	EA	1		380 00
CF1363	Auto Fill Float Collar 8.63	EA	1		1275 00
CF1773	Centrifizers 8.63x12.25	EA	4		580 00
CF1903	8.63 Basket	EA	1		315 00
CF105	Top Rubber Cmt plug	EA	1		225 00
E101	Heavy Equipment mileage	MI	105		735 00
CE240	Blending & Mixing Service	SK	605		847 00
E113	Proppant Bulk delivery Charge	TM	996		1593 60
CE202	Depth Charge 100'-2000'	Yhrs	1		1500 00
CE504	Plug container usage	JOB	1		250 00
E100	unit mileage	MI	35		148 75
S003	Service Supervisor	EA	1		175 00
T105	Cement Data Aquisition	EA	1		550 00
SUB TOTAL					<u>17879 79</u>

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <u>Kah Kloy</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>X Alan Latta</u>
--	---

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

**Cement Report**

Company	Strata Exploration	Lease No.		Date	6-30-11
Case	Stapleton	Well #	4-10	Service Receipt	1819A
Casing		County	Haskell	State	Ks
Job Type	2-42 Surface	Formation	N/A	Legal Description	10-30-32

Pipe Data		Perforating Data		Cement Data
Casing size	8.63	Tubing Size		Lead
Depth	1808	From	To	455 sks
Volume	112	From	To	A Con Blend
Max Press	1000	From	To	Tail in
Well Connection	Plug Container	Annulus Vol.		150 sks
Plug Depth	1765.35	From	To	Premium Plus

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
500					Called out
730					on loc safety mtg
745					Rig IRON
115					Hook up circulating IRON
					Drop Ball
130					Start circulating
150		2000			Hook up cmt IRON PSI Test
152		100	0	2.1	start 10bbl spacer
155		200	10	4.6	start Lead cmt @ 11.4 pp9
238		50	142	5.9	switch to Tail cmt @ 14.8
252		0	289	0	shut down
254					Plug away
255		0	1	2.1	start displacement. Increase Rate @ 10
330		1000	113	10	shut down plug holding
335					Rig down
				3:30	

Thanks

Service Units	97462	19827	19566	17305	17303	17300
Driver Names	S. Swafford	DeCaridad		H. Esquivel		

Alan Lottin Customer Representative      Station Manager      Cementer      Taylor Printing, Inc.