



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183812
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: _____

1183812

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

WellSight Systems

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

Well Name: Miller Trust 'B' #1-1
Location: 335' FNL & 1795' FWL, Sec. 1-T27S-R20W, Kiowa Co., KS.
Licence Number: 15-097-21780-00-00 Region: Wildcat
Spud Date: 12/10/2013 Drilling Completed: 12/18/2013
Surface Coordinates: 335' FNL & 1795' FWL, Sec. 1-T27S-R20W

Bottom Hole Same as Above
Coordinates:
Ground Elevation (ft): 2278' K.B. Elevation (ft): 2291'
Logged Interval (ft): 3900' To: 4972' Total Depth (ft): 4972'
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3298'; Chemical Gel 3298' to 4972'
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. 62839-0401

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') 4219' - 4236'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/30 Sec., FFP Strong Blow Gas to Surface in 3 Min., Gauged 259 MCFG/45 Min.(= 24# on 0.5" Choke - Gas Burns nicely), No Blowback on SI's; REC: 10' GCM, no Water; IFP 46-110#, ISIP 1442#, FFP 52-54#(NOTE: Changed from 0.25" choke to 0.5" choke during FFP), FSIP 1386# and Building, IHP 2199#, FHP 2074#, BHT 104 Deg. F.

DST #2(Lansing 'B') 4246' - 4266'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/1 Min., FFP Strong Blow Gas to Surface in 20 Min. Gauged 60.9 MCFG/45 Min.(= 24# on 0.25" choke), Weak Surface Blowback on ISI; REC: 70' GCWM(5%G, 30%W, 65%M), 300' SGCSW, CI 90,000, Mud 5000; IFP 29-88#, ISIP 1453#, FFP 44-171#, FSIP 1453#, IHP 2164#, FHP 2120#, BHT 118 Deg. F.

DST #3(Miss. Chert & Dolomite) 4840' - 4864' Test Times 15"-45"-30"-60" IFP Weak Surface Blow, FFP Weak Surface Blow, no Blowback on SI's; REC: 10' Drilling Mud, no show of oil or gas; IFP 20-30#, ISIP 967#, FFP 22-64#, FSIP 935#, IHP 2685#, FHP 2453#, BHT 120 Deg. F.

Comments

12/10/13 MIRU Sterling Drilling Rig #5 Spud at 8:15 PM., 12/11/13 TD. 626' - CCH prior to Wiper Trip; 12/12/13 Drilling at 760'; 12/13/13 Drilling at 2819'; 12/14/13 TD. 3998' - TIH after Bit Trip; 12/15/13 TD. 4239' - TOH w/DST #1; 12/16/13 TD. 4270' - TIH after DST #2; 12/17/13 Drilling at 4688'; 12/18/13 TD. 4864' - TOH with DST #3; 12/19/13 RTD. 4972', LTD. 4968' - Prep. to Set 5 1/2" Casing.

Set new 8 5/8"(23#) Surface Casing at 620' with 365 sacks cement(Basic Energy Services). Cement did Circulate. PD. at 12:30 PM. 12/11/13.

Set new 5 1/2"(15.5#) Production Casing at 4415' with 125 sx. of "Strata Blend" cement(Basic Energy Services). PD. 12:30 PM. 12/19/13. Set Port Collar at 2734'.

Surveys: 0.50 Deg. at 626'(Surface Casing); 0.50 Deg. at 3998' (Bit Trip); 0.75 Deg. at 4239'(DST #1); 0.50 Deg. at 4864'(DST #3).

Pipe Strap at 3998'(Bit Trip): Strap 0.29' Long to the Board, no correction made to the Board.

NOTE: Pulled the PDC Bit at 3998' - drilled remainder of the Hole with conventional "Botton Bit".


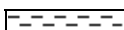

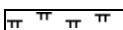
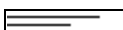
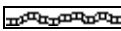




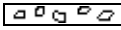


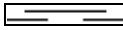

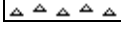


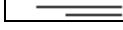

NOTE: A significant 18 Unit Gas Kick was noted in the upper Chase section from 2518' - 2530'(Log depths). This zone should be tested before abandonment of the Miller Trust 'B' #1-1 well.

After review of the Halliburton Logs, DST data, structural position and positive shows of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2" Production Casing for completion in the Lansing 'A' and 'B' zones.








































































LOG TOPS: Chase 2518(-227), Stotler Lmst. 3460(-1169), Howard 3657(-1366), Queen Hill Shale 3958(-1667), Heebner Shale 4075(-1784), Toronto 4095(-1804), Brown Lmst. 4208(-1917), Lansing 'A' 4216(-1925), Lansing 'B' 4244(-1953), L/KC 'H' 4388(-2097), Stark Shale 4537(-2246), Base Kansas City 4618(-2327), Marmaton 4662(-2371), Pawnee 4710(-2419), Cherokee Shale 4754(-2463), Miss. Chert 4833(-2542), Miss. Osage Marker 4870(-2579), Basal Miss. Lmst. 4945(-2654).

NOTE: This log was shifted upward by 3' to 4' for correlation purposes with the Halliburton Logs.

ROCK TYPES

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

ACCESSORIES

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

OTHER SYMBOLS

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

[V] Vuggy

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

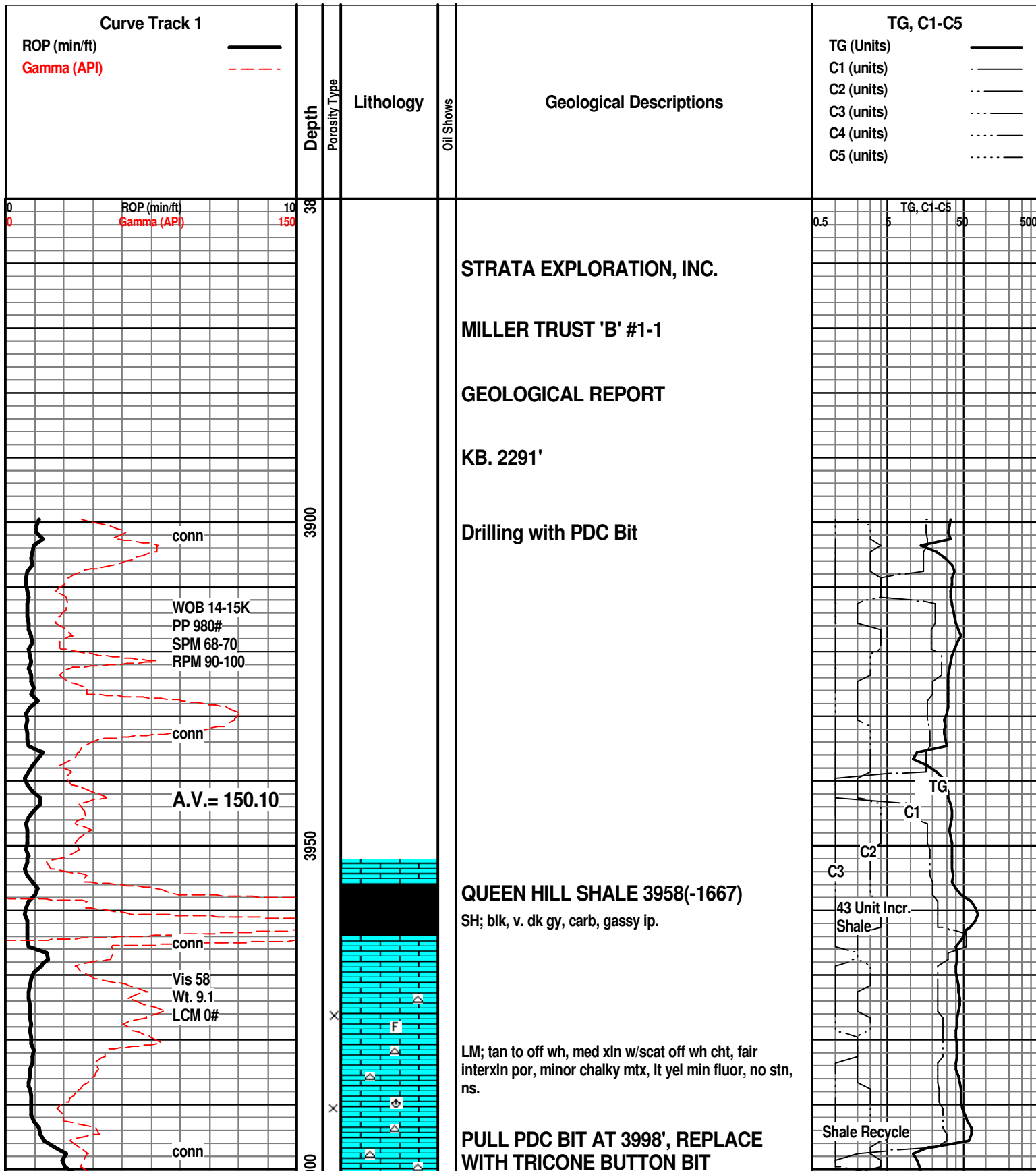
ROUNDING
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

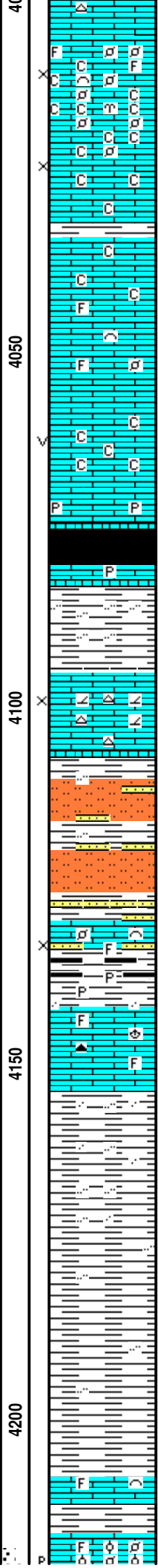
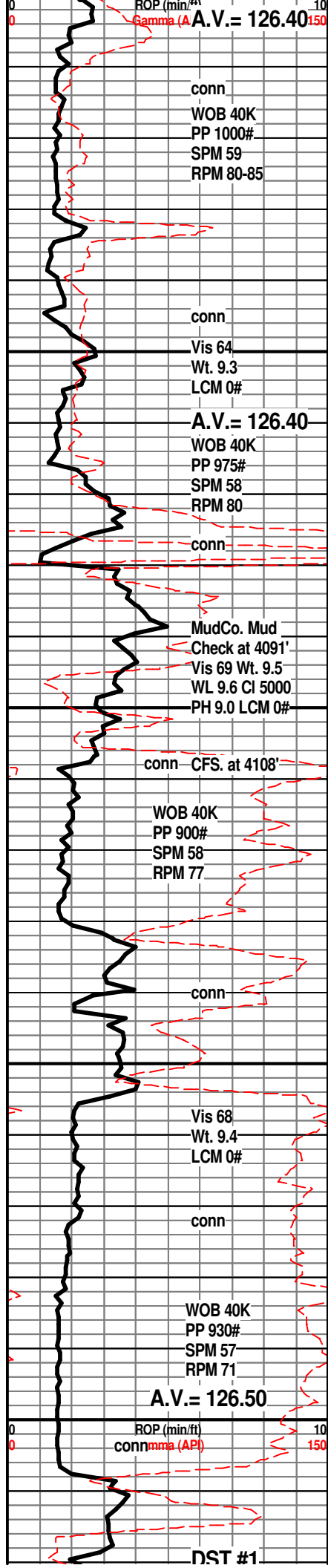
OIL SHOW
 [●] Even

[●] Spotted
 [○] Ques
 [D] Dead

INTERVAL
 [■] Core
 [□] Dst

EVENT
 [▽] Rft
 [▲] Sidewall





LM; lt brn, fxln to micritic, blocky, much tite, scat gy/off wh cht, no fluor, ns.

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

LM; tan to lt brn, off wh, med xln, occ gy cht, much soft chalky and chalky lmst, no fluor, ns.

LM; tan, buff, off wh, med xln w/scat vug por, chalky mtx, duu to lt yel min fluor, no stn or odor, ns.

HEEBNER SHALE 4075(-1784)
SH; blk, carb ip, trc gas, blocky
LM; med to dk brn, dense, rare pyr

SH; grn, gy grn, trc brn, silty ip, firm

TORONTO 4095(-1804)
LM; off wh, buff, fxln, sucrosic text - partly dolomitic, poor to fair interxln por, minor wh cht, lt yel fluor, no stn or odor, no gas kick, quest. gas bubb., interbdd tan fxln lmst w/opaque spar calc bands

DOUGLAS SHALE 4107(-1816)
SH & SLTST; lt gy, mica, interbdd vf to occ f gr qtz ss, soft ip.
LM; lt to med brn, sandy ip, fair interxln por, interbdd hd foss lmst, dull yel fluor, no vis stn, no odor, no sample shows
SH; dk brn, blk, carb/scat coaly frags, sandy ip.
LM; lt to med brn, occ foss, most well cem - micritic, rare brn cht, no vis por, no fluor, ns.

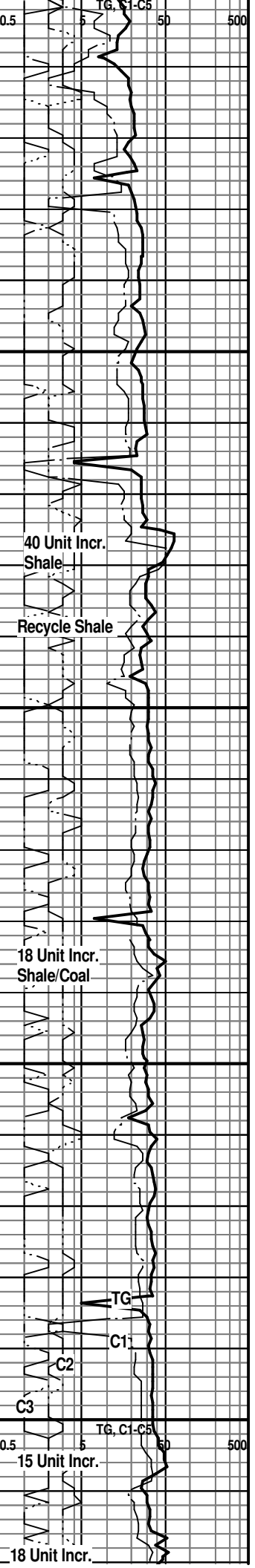
SH; lt to med gy, platy, silty to sandy, some very sticky - gumbo

SH; lt to med gy, smooth, platy, rarely silty

SH; med gy, platy to flakey, smooth

BROWN LMST. 4208(-1917)
LM; med brn, hd, scat foss, tite

LANSING 'A' 4216(-1925)
LM; wh, off wh, foss - oolitic ip, soft, fair/ gd p-p,



DST #1: Lansing 'A' 4219' - 4236'
Corrected

conn
CFS. at 4236'
MudCo. Mud
Check at 4236'
Vis 49 Wt. 9.3
WL 9.2 CI 5000
PH 10.0 LCM 0#

DST #2: Lansing 'B' 4246' - 4266'
Corrected

conn
CFS. at 4266'
MudCo. Mud
Check at 4266'
Vis 69 Wt. 9.3
WL 9.6 CI 6000
PH 9.0 LCM 0#

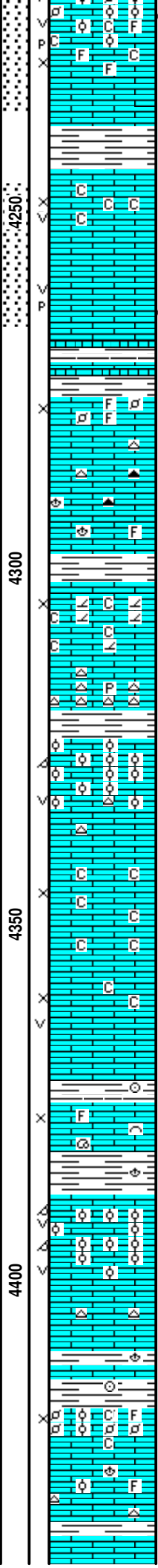
conn
WOB 42K
PP 925#
SPM 57
RPM 73

conn
Vis 57
Wt. 9.3
LCM 0#

WOB 40K
PP 950#
SPM 59
RPM 73
conn

conn
Vis 55
Wt. 9.2
ROP (min) LCM 0#
Gamma (A)

conn



interpart and small vug por, minor chalky mtx, sev. gas bubbles vis, lt yel fluor, trc v. lt brn oil stn, no odor, weak to no cut - GAS SHOW

LM; wh, off wh, foss, fair interpart por, chalky ip, lt yel fluor, few gas bubbles, no odor

DST #1: Lansing 'A' 4219' - 4236'
Corrected Depths to Log
LANSING 'B' 4244(-1953)

LM; off wh, buff, cse xln, fair to gd interxln/occ p-p por, chalky mtx in some, dull yel fluor, no oil stn, no odor, few gas bubbles - GAS SHOW

LM; tan to buff, rare lt gy, foss ip, fairly well dev. p-p and vug por, lt yel fluor, sev. gas bubbles, faint sweet odor, trc lt brn stn, no F.O.

DST #2: Lansing 'B' 4246' - 4266'
Corrected Depths to Log

LM; lt brn, foss - pelletal ip, most well cem, trc poor interpart por, dull yel fluor, no stn or odor, ns.

LM; tan to lt brn, most dense, scat gy to dk gy/smoky cht, no vis por, ns.

SH; med gy, grn, foss ip, platy

LM; off wh, buff, fxln to sucrosic, partly dolomitic, fair interxln por, interbdd soft chalky lmst, dull/lt yel min fluor, no stn or odor, ns.

LM; lt brn, buff, most dense, abnt gy/off wh cht, no vis por, rare pyr, ns.

LANSING 'G' PORO. 4324(-2033)

LM; lt brn, oolitic, med to lrg molds, gd oomoldic por, brittle ip, occ vug por, lt to rarely med yel min fluor, no stn or odor, no vis gas, no sample shows, few pcs. of wh oolitic cht

LM; off wh, wh, fxln, poor interxln por, soft ip. w/interbdd chalky and chalky mtx, no fluor, no stn or odor, ns.

LM; tan to off wh, buff, med xln w/scat vug and interxln por, lt yel fluor, no vis stn, no odor, no gas kick

SH; dk gy, some rust red, brn, platy, foss ip.

LM; med brn, foss ip, trc interpart por, lt yel fluor, ns.

LANSING/KC. 'H' 4388(-2097)

LM; lt to med brn, oolitic, med to occ lrg molds, well dev. oomoldic w/some vug por, brittle ip, lt to med yel min fluor, no stn or odor, no gas kick

LM; lt brn, hd, blocky, scat off wh cht, tite

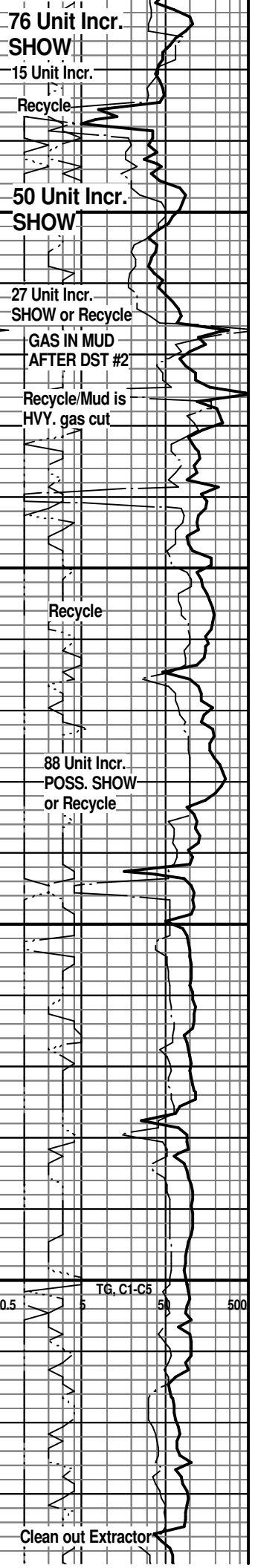
SH; grn, gy grn, foss ip.

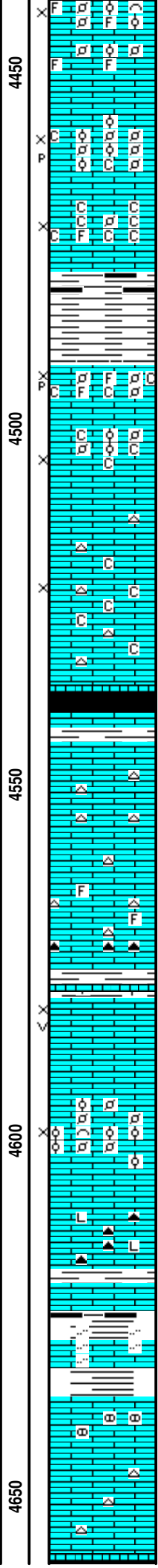
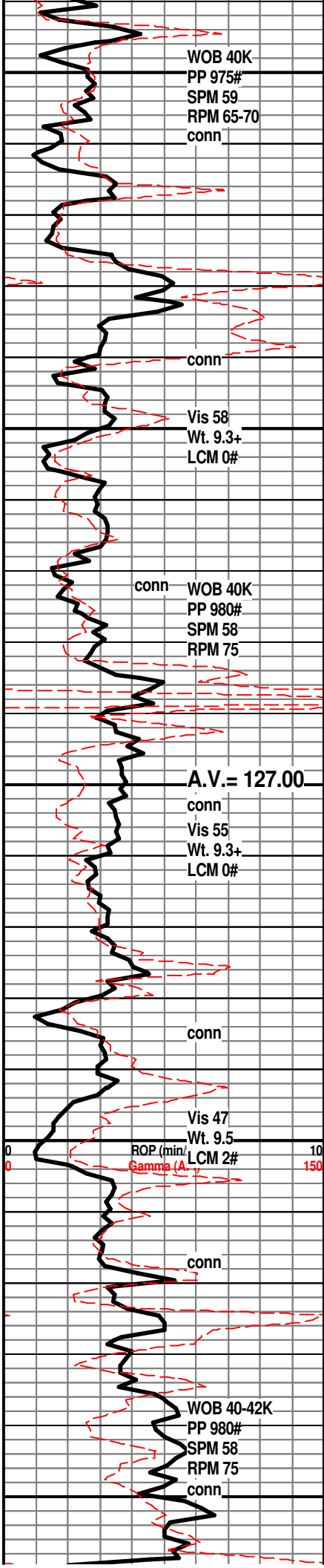
LM; off wh, tan, foss w/scat pellets, ooids and hash, fair interpart por, chalky mtx ip, dull yel to blue wh fluor, no stn odor, ns.

LM; tan to buff, most micritic, blocky, scat wh cht, foss ip - well cem, ns.

K.C. 'I' ZONE 4446(-2155)

LM; off wh, buff, foss - finely pelletal w/foss hash, fair to





LM; off wh, buff, fess, many pellets w/ess hash, tan to gd interpart por, scat lt yel fluor, no stn or odor, no gas kick

LM; off wh, buff, lt gy, abnt small foss pellets/ooids, compact, fair to gd interpart w/occ p-p por, minor chalky mtx, no fluor, no stn or odor, no sample shows

LM; tan to off wh, buff, foss ip, much soft chalk and chalky mtx, poor interpart por, dull yel min fluor, no stn, ns.

SH; dk gy, some blk, platy

K.C. 'J' ZONE 4491(-2200)
LM; off wh, buff, foss w/scat pellets and small ooids, partly soft chalky mtx, poor to fair interpart w/rare p-p por, dull/lt yel min fluor, no stn or odor, no gas kick, ns.

LM; off wh, wh, foss w/scat foss hash/ooids, loosely cem, chalky mtx ip, fair interpart por, no fluor, no stn, ns.

LM; wh, off wh, buff, fxln, fair interxln por, scat soft chalky mtx, dull yel to no fluor, occ wh cht, no stn, no gas kick, ns.

STARK SHALE 4537(-2246)
SH; blk, carb ip, platy

SWOPE 4544(-2253)
LM; lt gy, buff, most micritic, blocky, hd, scat tan to lt gy cht, tite, ns.

LM; off wh, tan, buff, fxln w/rare well cem foss mat, cherty ip w/lt brn to blk/smoky cht, no vis por, no fluor, ns.

SH; med gy, foss ip, platy

HERTHA 4580(-2289)
LM: tan to buff, med to cse xln, fair/gd interxln w/occ vug por, some gran text, no fluor, no stn, no gas kick, ns.

LM; lt brn, foss w/abnt pellets and ooids, scat cse xln lmst also, fair interpart/interxln por, dull yel min fluor, no stn, ns.

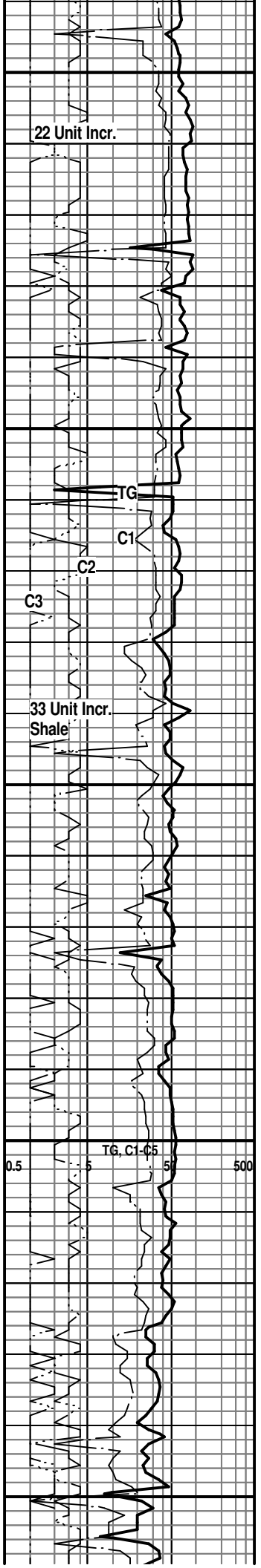
LM; med to dk brn, hd, litho ip, scat dk brn/smoky cht, tite

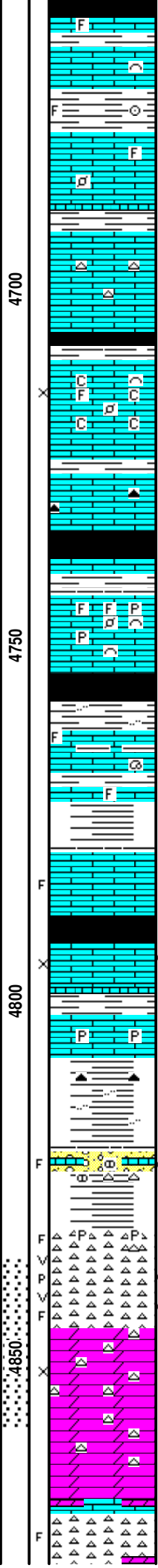
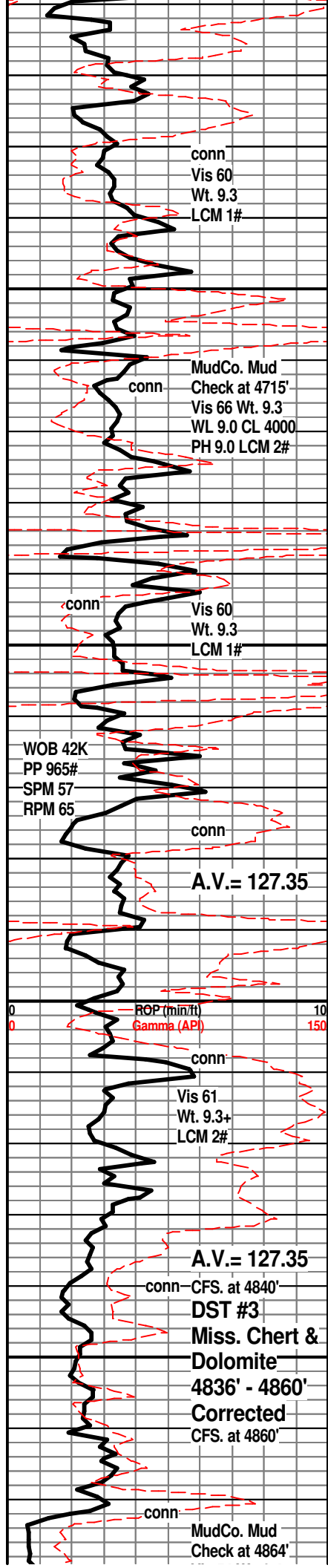
BASE KANSAS CITY 4624(-2333)
SH; varic, rust red, brn, grn, blk, platy, occ silty, interbdd hd brn gritty lmst.

PLEASANTON 4636(-2345)
LM; lt brn, tan, lt gy, occ nodular, most dense, some weathered appear, no vis por, no fluor, ns.

LM; tan to lt brn, hd, most micritic, rare tan cht, no vis por, ns.

SH; dk av. some blk. platy





MARMATON 4662(-2371)
 LM; lt brn, fxl n to micritic, rare well cem foss mat, no vis por, no fluor, ns.
 SH; med gy, grn, foss ip.

LM; tan to cream, buff, fxl n w/rare foss mat, well cem, no vis por, no fluor, ns.
 LM; tan to lt brn, hd, micritic, blocky, rare gy/tan foss cht, no vis por, no fluor, ns.
 SH; dk gy - blk, platy

PAWNEE 4710(-2419)
 LM: off wh, buff, tan, foss ip, mostly soft chalky mtx, trc poor interpart por, no fluor, no stn or odor, quest. gas bubbles, looks tite
 LM; tan to lt brn, rare foss, most dense, micritic, occ amber cht, no fluor, no stn, ns.

LABETTE SHALE 4734(-2443)
 SH; blk, carb ip, gassy, blocky
 LM; tan to lt brn, buff, foss w/scat hash, hd, med yel min fluor, pyr ip, no vis por, no stn/odor, no gas kick

CHEROKEE SHALE 4754(-2463)
 SH; blk, carb ip, platy, gassy, also grn silty sh
 LM; med brn, rare gy brn, argil ip, foss w/scat well cem foss mat, most dense, no vis por, no stn or odor, interbdd shale
 SH; varic, grn, maroon/ red - brn, platy

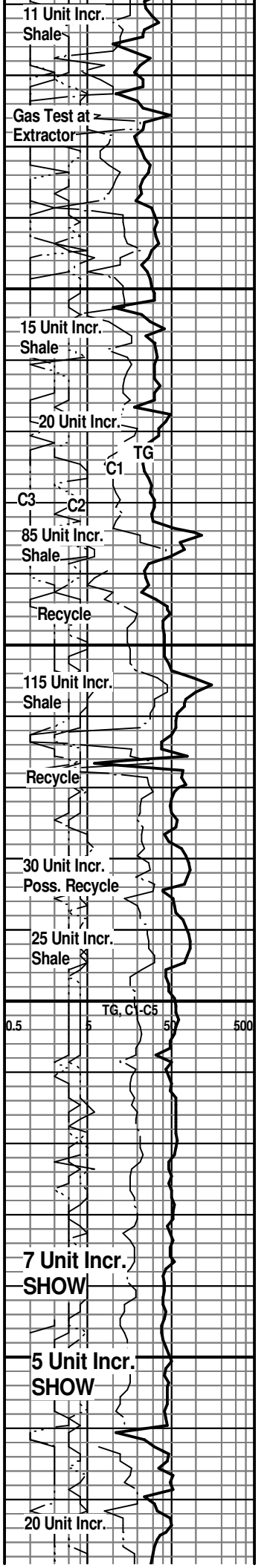
LM; tan to lt brn, buff, fxl n w/trc frags, trc dk brn/blk residual oil, poss. gas bubbles, faint odor, looks tite, dull yel fluor
 SH; blk, carb ip, platy
 LM; lt brn, fxl n, scat med/dk brn oil stn, lt yel fluor, faint odor, poor/fair cut, w/tite lt brn/tan hd lmst w/blk tar/gilsonite
 LM; tan to cream, foss ip, most dense, micritic, scat pyr, no vis por, ns.

BASE CHER. LMST. 4808(-2517)
 SH; varic, maroon, red/brn, lavender, silty, some sticky gumbo sh, scat blk cht
 CONGL; weath nodular lmst, scat wh cht, trc frac lmst w/med brn live oil stn, no odor

MISS. CHERT 4832(-2541)
 CHT; lt gy, blue gy, fresh, frags, trc stn, pyr
 CHT; lt grn, gritty text, strong odor, trip cht w/dk brn live stn, some blk tar/gils, SSFO, p-p and vug por in some, med to brite yel fluor, fair to gd cut, some bleeding oil/gas bubbles
 DOL; wh, buff, sucrosic, cherty ip, poor interxln por, fair odor, dull yel fluor, no oil stn, no fluor
 DOL; wh, cherty, scat brite yel fluor, good odor, scat lrg qtz xtals, spotted live brn oil stn

DST #3: Miss. Chert/Dol. 4836'-4860'(Corrected Depths to Log)

MISS. OSAGE MARKER 4870(-2579)
 CHT; lt gy, lt blue gy, tan, all fresh, fractured, scat dolomitic cht - some gritty text, no vis oil stn, fairly



Vis 54 Wt. 9.4+
WL 9.6 Cl 4000
PH 9.0 LCM 2#

conn
WOB 40K
PP 930#
SPM 57
RPM 72

conn

Vis 60
Wt. 9.2
LCM 1#

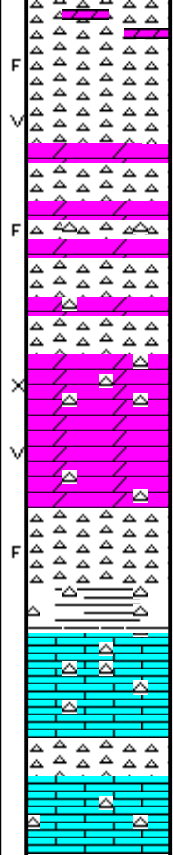
CFS. at RTD.

4900

4950

5000

50



strong odor, occ cse trans. cse qtz xtals, no fluor

CHT; off wh, gy - blue gy, tan, scat vug por w/occ frags, all fresh, no stn or odor, no fluor, ns.

CHT; It to med gy, some opaque, fresh, interbdd sucrosic dolo w/med yel min fluor, no stn or odor, ns.

DOL; tan to off wh, buff, sucrosic, med yel min fluor, fair interxln w/occ vug por, no stn or odor, ns.

CHT; off wh, blue gy, some opaque, scat vug por w/rare weathered surfaces, frags, dolomitic ip, scat cse qtz xtals, no fluor, ns.

BASAL MISS. LMST. 4945(-2654)

LM; tan to lt brn, cherty ip, scat cse spar calc xtals, most dense, no vis por, no fluor, ns.

CHT; blue gy, off wh, fresh, sev. cse qtz xtals, no fluor, faint odor, no stn, ns.

LM; tan to off wh, cherty, tite

RTD. 4972' at 1:30 PM. 12/18/13

LTD. 4968'

Halliburton "Quad Stack" ACRT(DIL),
NEU/DEN w/PE, Microlog, Sonic

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



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

TG, C1-C5
0.5 5 50 500



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, Il 62837

Miller B 1-1

Job Ticket: 51909

DST#: 1

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 01:24:10

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:55

Time Test Ended: 10:09:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 4222.00 ft (KB) To 4239.00 ft (KB) (TVD)

Reference Elevations: 2291.00 ft (KB)

Total Depth: 4239.00 ft (KB) (TVD)

2278.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 53.86 psig @ 4223.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.15

End Date:

2013.12.15

Last Calib.:

2013.12.15

Start Time: 01:24:11

End Time:

10:09:10

Time On Btm:

2013.12.15 @ 03:26:40

Time Off Btm:

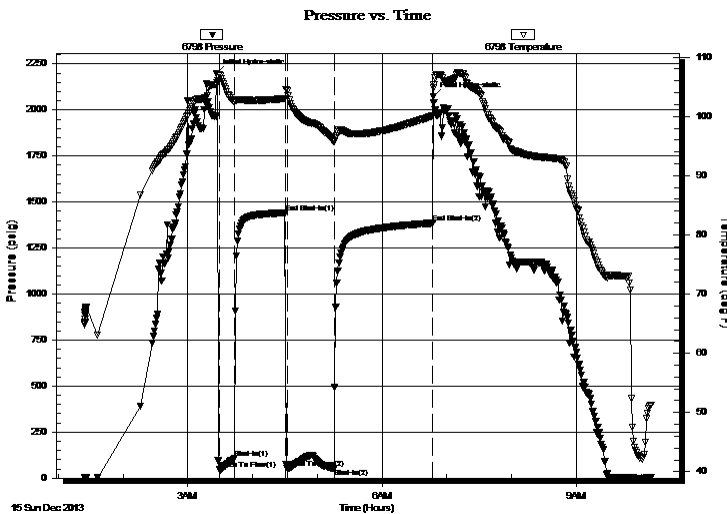
2013.12.15 @ 06:47:40

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

IS: No Blow Back

FF: Strong Blow , BOB immediate, GTS in 3 minutes, Gauged Gas & Caught Sample

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2199.44	105.36	Initial Hydro-static
3	45.57	107.06	Open To Flow (1)
17	110.23	102.29	Shut-In(1)
64	1441.87	103.03	End Shut-In(1)
66	52.34	104.26	Open To Flow (2)
109	53.86	95.73	Shut-In(2)
201	1385.98	100.09	End Shut-In(2)
201	2074.15	104.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4207 GIP	0.00
10.00	SGCM 4%G 96%M	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	56.00	111.68
Last Gas Rate	0.50	24.00	259.04
Max. Gas Rate	0.25	90.00	165.62



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, IL 62837

Miller B 1-1

Job Ticket: 51909

DST#: 1

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 01:24:10

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:55

Time Test Ended: 10:09:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 4222.00 ft (KB) To 4239.00 ft (KB) (TVD)

Total Depth: 4239.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2291.00 ft (KB)

2278.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8367 Outside

Press @ Run Depth: psig @ 4223.00 ft (KB)

Start Date: 2013.12.15

End Date: 2013.12.15

Capacity: 8000.00 psig

Last Calib.: 2013.12.15

Start Time: 01:24:11

End Time: 10:09:10

Time On Btm:

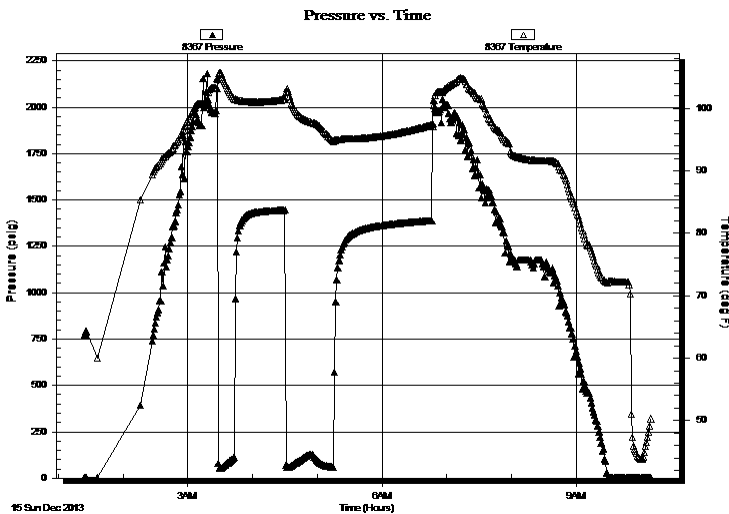
Time Off Btm:

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

IS: No Blow Back

FF: Strong Blow , BOB immediate, GTS in 3 minutes, Gauged Gas & Caught Sample

FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4207 GIP	0.00
10.00	SGCM 4%G 96%M	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	56.00	111.68
Last Gas Rate	0.50	24.00	259.04
Max. Gas Rate	0.25	90.00	165.62



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, IL 62837

Miller B 1-1

Job Ticket: 51909

DST#: 1

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 01:24:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	4207 GIP	0.000
10.00	SGCM 4%G 96%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, IL 62837

Miller B 1-1

Job Ticket: 51909

DST#: 1

ATTN: Jon Christensen

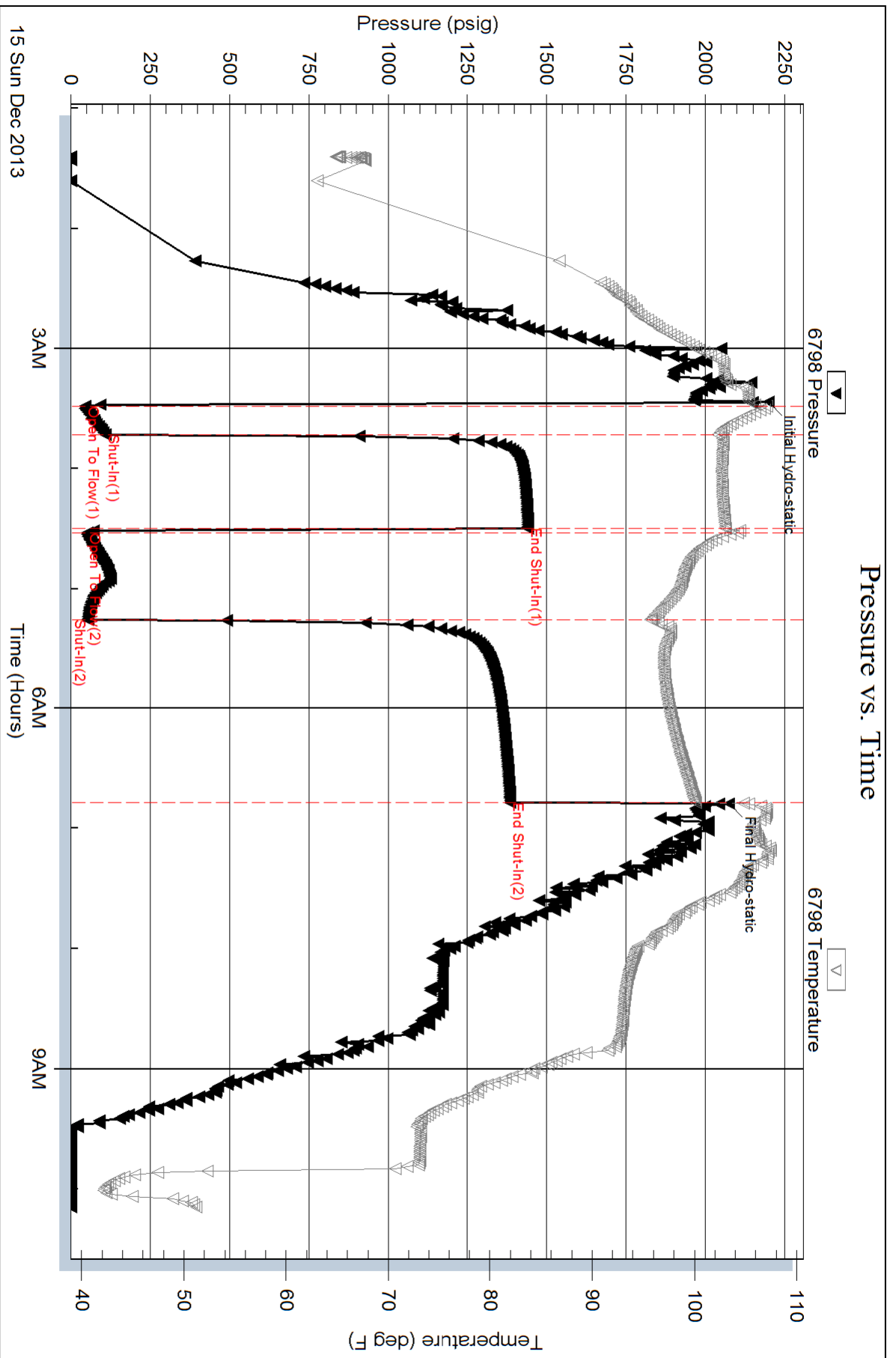
Test Start: 2013.12.15 @ 01:24:10

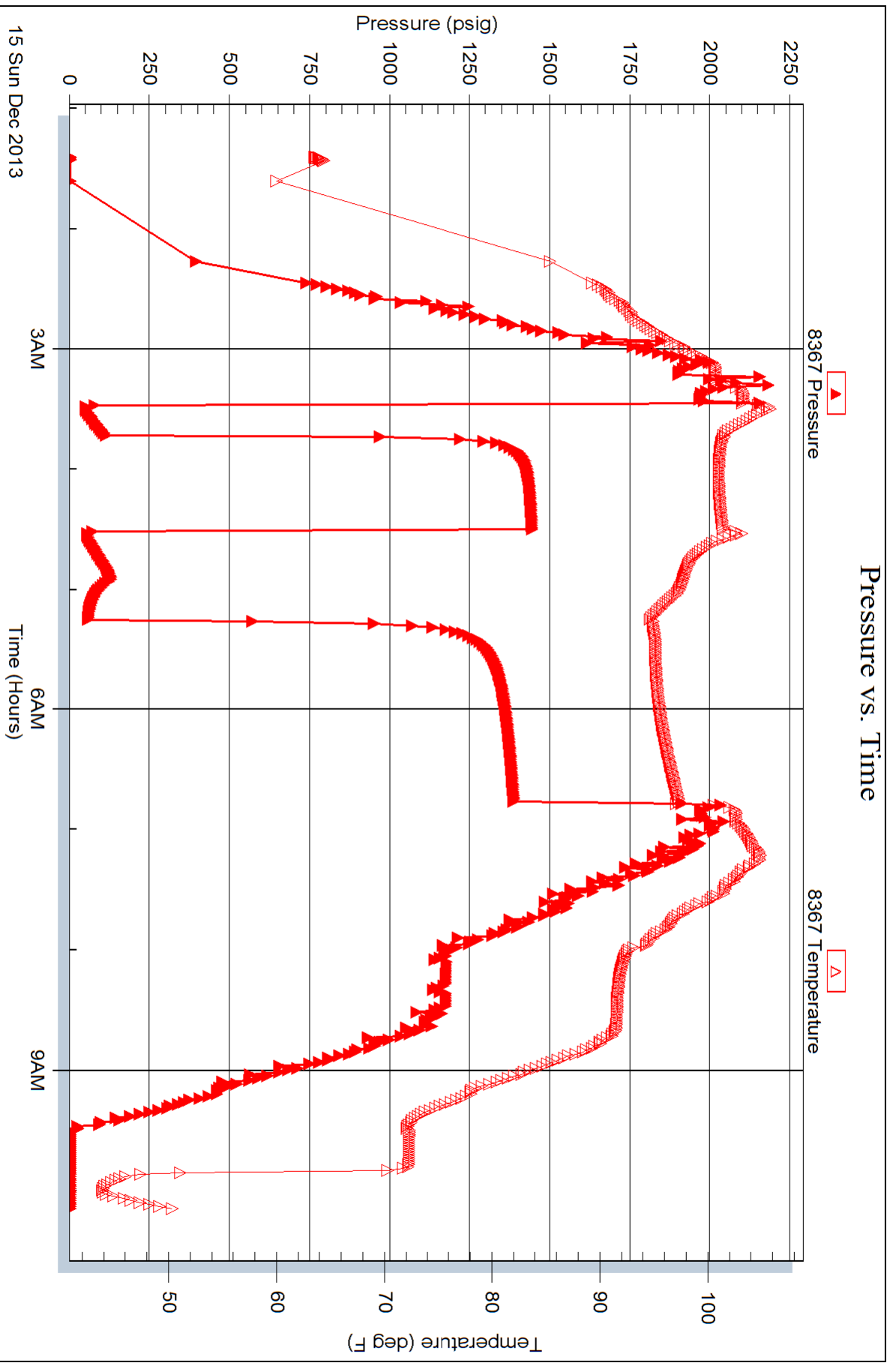
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	56.00	111.68
2	20	0.25	90.00	165.62
2	30	0.50	44.00	393.95
2	40	0.50	24.00	259.04
2	45	0.50	24.00	259.04







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, Il 62837

Miller B 1-1

Job Ticket: 51910

DST#: 2

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 21:37:05

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:24:50

Time Test Ended: 05:53:35

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 4250.00 ft (KB) To 4270.00 ft (KB) (TVD)

Reference Elevations: 2291.00 ft (KB)

Total Depth: 4270.00 ft (KB) (TVD)

2278.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 171.01 psig @ 4251.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.15

End Date:

2013.12.16

Last Calib.:

2013.12.16

Start Time:

21:37:06

End Time:

05:53:35

Time On Btm:

2013.12.16 @ 00:12:50

Time Off Btm:

2013.12.16 @ 03:47:35

TEST COMMENT:

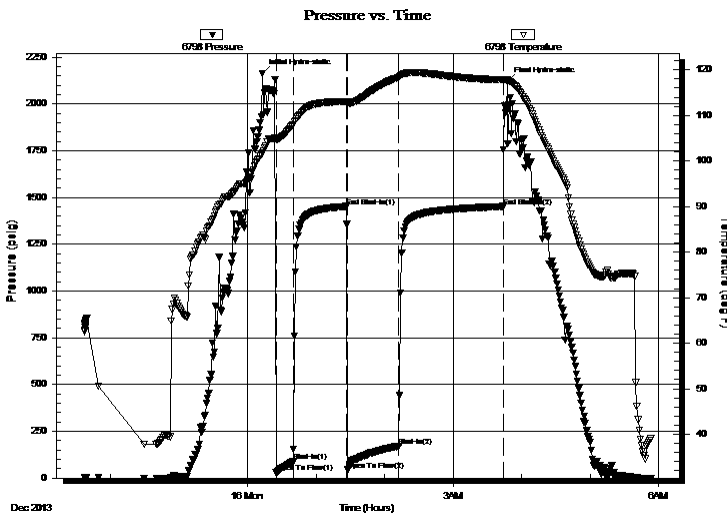
IF: Strong Blow , BOB in 1 minute

IS: Weak Surface Blow Back

FF: Strong Blow , BOB in 30 seconds, GTS in 20 minutes, Gauged & Caught Sample

FSI: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.32	101.66	Initial Hydro-static
12	28.68	104.76	Open To Flow (1)
27	87.94	107.91	Shut-In(1)
74	1453.13	113.09	End Shut-In(1)
75	44.25	112.69	Open To Flow (2)
120	171.01	118.39	Shut-In(2)
211	1452.55	117.81	End Shut-In(2)
215	2120.24	117.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3878 GIP	0.00
300.00	Water	1.48
70.00	GWCM 5%G 30%W 65%M	0.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	18.00	51.40
Last Gas Rate	0.25	24.00	60.92
Max. Gas Rate	0.25	24.00	60.92

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, Il 62837

Miller B 1-1

Job Ticket: 51910

DST#: 2

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 21:37:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	3878 GIP	0.000
300.00	Water	1.484
70.00	GWCM 5%G 30%W 65%M	0.982

Total Length: 370.00 ft Total Volume: 2.466 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .15 @ 41 degrees



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, IL 62837

Miller B 1-1

Job Ticket: 51910

DST#: 2

ATTN: Jon Christensen

Test Start: 2013.12.15 @ 21:37:05

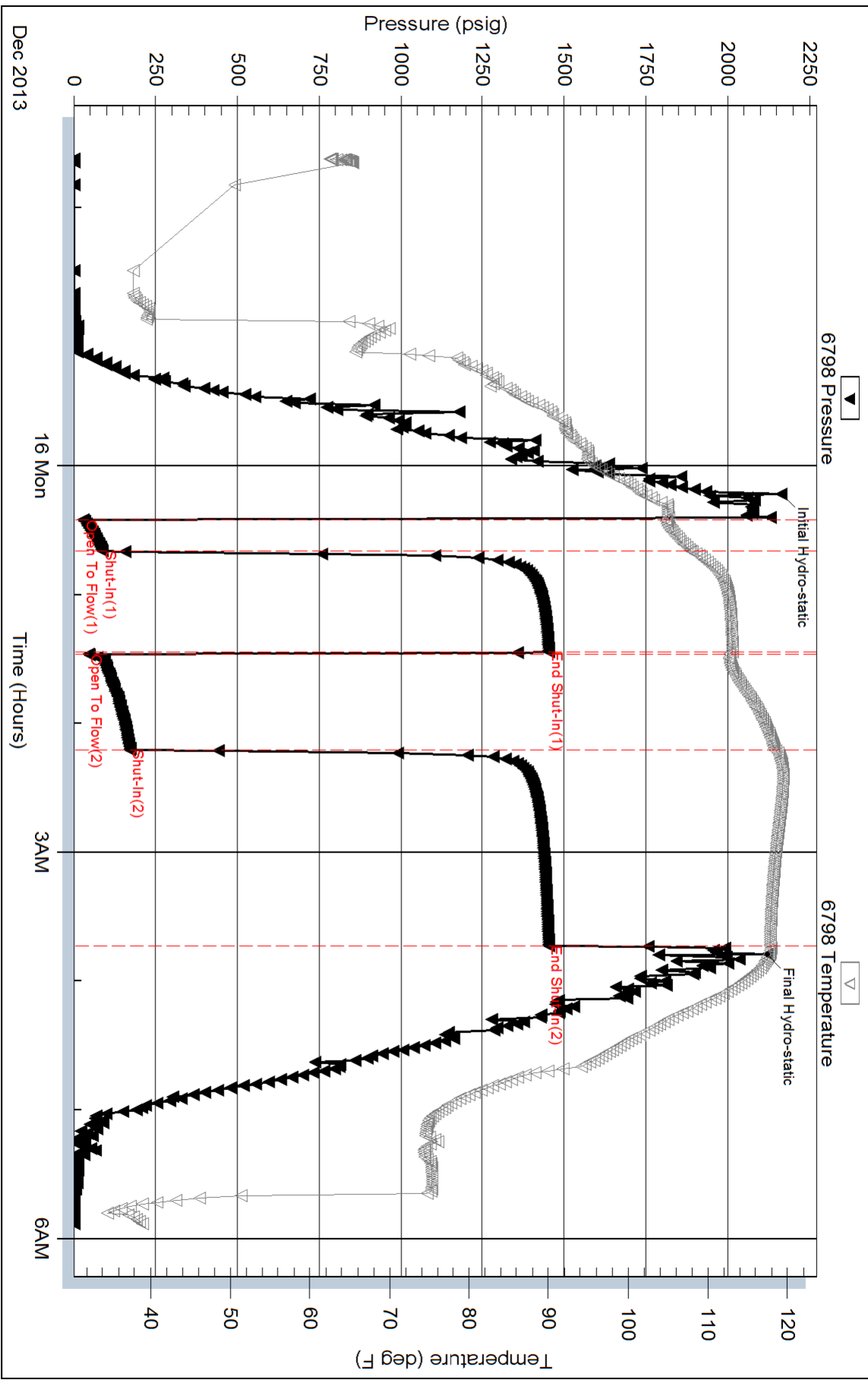
Gas Rates Information

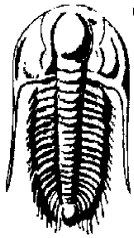
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	18.00	51.40
2	40	0.25	22.00	57.74
2	45	0.25	24.00	60.92

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration

1-27S-20W Kiowa

PO Box 401
Fairfield, Il 62837

Miller B 1-1

Job Ticket: 51911

DST#: 3

ATTN: Jon Christensen

Test Start: 2013.12.18 @ 00:45:15

GENERAL INFORMATION:

Formation: **Cherokee/Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:39:00

Time Test Ended: 07:19:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: **4840.00 ft (KB) To 4864.00 ft (KB) (TVD)**

Reference Elevations: 2291.00 ft (KB)

Total Depth: 4864.00 ft (KB) (TVD)

2278.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 64.24 psig @ 4841.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.18

End Date:

2013.12.18

Last Calib.:

2013.12.18

Start Time: 00:45:16

End Time:

07:19:45

Time On Btm:

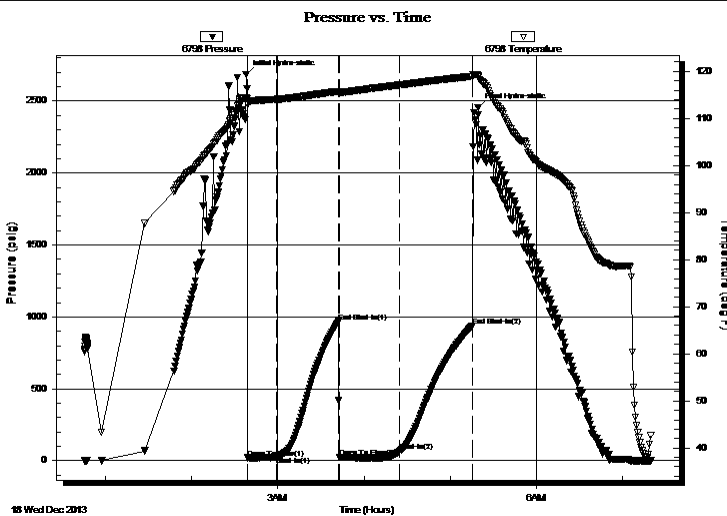
2013.12.18 @ 02:37:45

Time Off Btm:

2013.12.18 @ 05:19:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2685.27	114.32	Initial Hydro-static
2	19.85	113.08	Open To Flow (1)
22	29.67	114.07	Shut-In(1)
65	966.69	115.77	End Shut-In(1)
65	22.38	115.50	Open To Flow (2)
107	64.24	117.11	Shut-In(2)
158	935.21	118.95	End Shut-In(2)
162	2453.35	119.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

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

1-27S-20W Kiowa

PO Box 401
Fairfield, IL 62837

Miller B 1-1

Job Ticket: 51911

DST#: 3

ATTN: Jon Christensen

Test Start: 2013.12.18 @ 00:45:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

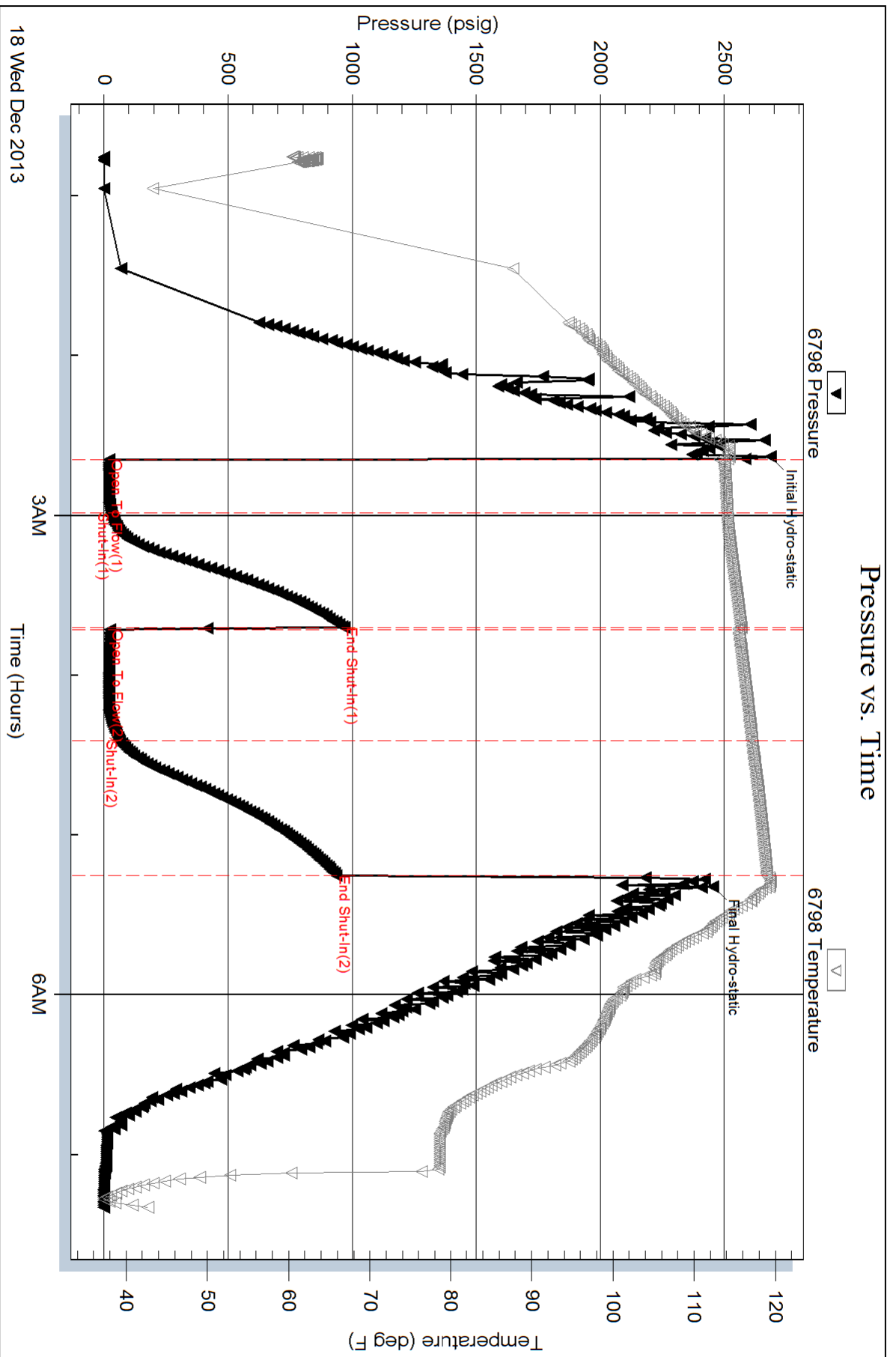
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 12/15/2013
INVOICE NUMBER 1718 - 91359795		

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 Miller Trust B 1-1
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

PAID
 12-30-13
 FNB SA# 9819

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40671329	20920		Net - 30 days	01/14/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 12/11/2013 to 12/11/2013</i>				
0040671329				
171809676A Cement-New Well Casing/Pi 12/11/2013 Cement 8 5/8 Surface				
A-Con Blend Common	190.00	EA	13.50	2,565.00 T
Common Cement3	175.00	EA	12.00	2,100.00 T
Celloflake	92.00	EA	2.78	255.30 T
Calcium Chloride	867.00	EA	0.79	682.76 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	168.75	168.75
"8 5/8"" Guide Shoe (Red)"	1.00	EA	412.50	412.50
"Baffle Plate Alum., 8 5/8"" (Blue)"	1.00	EA	127.50	127.50
"8 5/8"" Basket (Blue)"	1.00	EA	236.25	236.25
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	3.19	159.38
Heavy Equipment Mileage	100.00	MI	5.25	525.00
"Proppant & Bulk Del. Chgs., per ton mil	860.00	EA	1.20	1,032.00
Depth Charge; 501'-1000'	1.00	EA	900.00	900.00
Blending & Mixing Service Charge	365.00	BAG	1.05	383.25
Plug Container Util. Chg.	1.00	EA	187.50	187.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

13011
 12/19 MILLER TRST "B" 1-1
 LEV 5 P/P 12/19
 LES CEMENT SURF. A/P 12/19
 DRL COM LOE G/L 71730/10267 ok D/D

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,866.44
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	400.62
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,267.06
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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 09676 A

DATE OF JOB: 12-11-13 DISTRICT: PRATT KS DATE: TICKET NO.:

CUSTOMER: STRATA EXPLORATION NEW WELL OLD WELL PROD INJ WDW CUSTOMER ORDER NO.:

ADDRESS: LEASE: Miller Trust B 1-1 WELL NO.:

CITY: COUNTY: Kiowa STATE: KS

AUTHORIZED BY: STATE: KS SERVICE CREW: Sullivan, Mervin, Pearson

EQUIPMENT# HRS EQUIPMENT# HRS EQUIPMENT# HRS

33708-20920 45 min
19831-19862 45 min
32900

JOB TYPE: CWL 87% Surface

TRUCK CALLED: 12-11-13 DATE AM PM TIME

ARRIVED AT JOB: AM PM 5:30

START OPERATION: AM PM 7:30

FINISH OPERATION: AM PM 11:45

RELEASED: AM PM 12:30

MILES FROM STATION TO WELL: AM PM 1:00

50

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Alan Lofth
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
101	A-Good cont	SK	190		
100-C	Common cont	SK	175		3,420.00
102	COFFER				2,800.00
109	Calcium chloride	lb	92		340.40
105	TOP KILN Ply	SA	1		910.35
203	Guide Shoe	SA	1		225.00
753	BASIC Plate	SA	1		550.00
1903	BASKET	SA	1		170.00
00	pecky m2	cu	50		315.00
01	Heavy Seat	cu	100		212.50
13	bulk Polym	TM	860		700.00
21	Depth change 500-1000'	CA	1		1,376.00
40	Blending mixer	SK	364		1,200.00
24	May Gaster and Portal	SA	1		511.00
3	Schum Surface	SA	1		250.00
					175.00

CHEMICAL / ACID DATA:

SUB TOTAL	9,866.44	366.44
SERVICE & EQUIPMENT	%TAX ON \$	400.62
MATERIALS	%TAX ON \$	267.06
TOTAL		X

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Alan Lofth
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



energy services, L.P.

TREATMENT REPORT

Customer <i>STRATA-Exxon</i>		Lease No.		Date <i>12-11-13</i>	
Lease <i>M. H. Trust B. 1-1</i>		Well #			
Field Order # <i>1676</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8</i>	Depth <i>619'</i>	County <i>KIOWA</i>	State <i>KS</i>
Type Job <i>CONV 8 5/8 Surface</i>			Formation	Legal Description <i>1-27-70</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>619'</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>37</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>330</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>529'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>ONUE Scott</i>	Treater <i>Robert L. Wood</i>
-------------------------	-----------------------------------	-------------------------------

Service Units	<i>37900</i>	<i>22708</i>	<i>20970</i>	<i>19831</i>	<i>19862</i>				
Driver Names	<i>Callan</i>	<i>McQuinn</i>	<i>Pratt</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>7:45</i>					<i>on loc Scott, medly</i>
					<i>Run 15 Jt 8 5/8 23 csc.</i>
					<i>BACK @ 280'</i>
<i>11:30</i>					<i>CASING ON BOTTOM</i>
<i>11:40</i>					<i>Hook up in csc.</i>
<i>11:45</i>			<i>3</i>	<i>3.5</i>	<i>81 SPATER</i>
			<i>83</i>	<i>4.5</i>	<i>mix 190 sk A-CON @ 12 ppq.</i>
			<i>37</i>		<i>mix 175 common @ 15 ppq</i>
					<i>cont mix 175 shut down</i>
					<i>Release Plug</i>
				<i>4</i>	<i>14 Dept</i>
<i>12:30</i>	<i>450</i>		<i>37</i>		<i>plug down</i>
					<i>circ 10 BBL cont Pit</i>
					<i>JOB Complete</i>
					<i>Thank you</i>



PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 12/23/2013
INVOICE NUMBER 1718 - 91367789		

PAID

1-21-14

FNB SA#9857

Pratt (620) 672-1201

B STRATA EXPLORATION
I PO Box: 401
L FAIRFIELD
L IL US 62837
T
O **ATTN:** ACCOUNTS PAYABLE

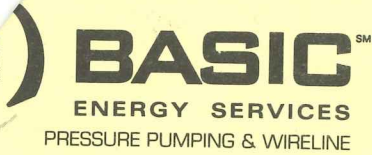
J **LEASE NAME** Miller Trust B 1-1
O
B **LOCATION**
B **COUNTY** Kiowa
S **STATE** KS
I **JOB DESCRIPTION** Cement-New Well Casing/Pi
T
E **JOB CONTACT**

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40674662	19905		Net - 30 days	01/22/2014

For Service Dates: 12/19/2013 to 12/19/2013	QTY	U of M	UNIT PRICE		INVOICE AMOUNT
0040674662					
171809597A Cement-New Well Casing/Pi 12/19/2013 Cement 5 1/2" Longstring					
50/50 POZ	125.00	EA	8.25		1,031.25 T
60/40 POZ	50.00	EA	9.00		450.00 T
Celloflake	32.00	EA	2.78		88.80 T
Gypsum	525.00	EA	0.56		295.31 T
FLA-322	53.00	EA	5.62		298.12 T
Gilsonite	750.00	EA	0.50		376.87 T
Mud Flush	1,000.00	EA	0.65		645.00 T
KCL Potassium Chloride	283.00	EA	1.12		318.37 T
Claymax KCL Substitute	5.00	EA	26.25		131.25 T
"5 1/2" Port Collar "	1.00	EA	2,625.01		2,625.01
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	300.00		300.00
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	270.00		270.00
"Turbolizer, 5 1/2" (Blue)"	12.00	EA	82.50		990.00
"5 1/2" Basket (Blue)"	3.00	EA	217.50		652.50
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	3.19		159.38
Heavy Equipment Mileage	100.00	MI	5.25		525.00
"Proppant & Bulk Del. Chgs., per ton mil	370.00	EA	1.20		444.00
Depth Charge; 4001'-5000'	1.00	EA	1,890.00		1,890.00
Blending & Mixing Service Charge	175.00	BAG	1.05		183.75
Plug Container Util. Chg.	1.00	EA	187.50		187.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25		131.25

12/31		MILLER TRUST B-1		LEV 5	P/P 1/3
DES CEMENT		LONGSTRING			A/P 1/14
DRL	COM	LOE	G/L		D/D
	X			73551/12253	

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,993.36
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	259.90
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	12,253.26
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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

FIELD SERVICE TICKET
1718 09597 A

1-275-20W

DATE _____ TICKET NO. _____

DATE OF JOB: 12-19-13	DISTRICT: Pratt, Kansas	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: Strata Exploration, Inc.		LEASE: Miller Trust "B"		WELL NO.: 1-1						
ADDRESS:		COUNTY: Kiowa	STATE: Kansas							
CITY:		SERVICE CREW: C. Messick, M. McGraw, S. Young								
AUTHORIZED BY:		JOB TYPE: C.A.W. - Longstring								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
37,216	1.25						12-18-13			9:30
						ARRIVED AT JOB	12-19-13			7:00
77,686-19,905	1.25					START OPERATION				11:45
						FINISH OPERATION				1:00
19,960-21,010	1.25					RELEASED	12-19-13			1:15
						MILES FROM STATION TO WELL				50

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 104	50/50 Poz Blend Cement	sh	125	\$	1,375.00
CP 103	60/40 Poz Blend Cement	sh	50	\$	600.00
CC 102	Cellflite	Lb	32	\$	118.40
CC 113	Gypsum	Lb	525	\$	393.75
CC 129	Fluid Loss	Lb	53	\$	397.50
CC 201	Gilsonite	Lb	750	\$	502.50
C 700	KCl: Potassium Chloride	Lb	283	\$	424.50
CF 481	Port Collar, 5 1/2"	ea	1	\$	3,500.00
CF 607	Latch Down Plug and Baffle, 5 1/2"	ea	1	\$	400.00
CF 1251	Auto Fill Float Shoe, 5 1/2"	ea	1	\$	360.00
CF 1651	Turbolizer, 5 1/2"	ea	12	\$	1,320.00
CF 1901	Basket, 5 1/2"	ea	3	\$	870.00
C 704	Claymax	Gal	5	\$	175.00
CC 151	Mud Flush	Gal	1,000	\$	860.00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *Lawrence R. Messick*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Michael Kelly*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



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

FIELD SERVICE TICKET

1718 ~~09598~~ A

Continuation of

1-275-20W

DATE TICKET NO. 171809597A

DATE OF JOB: 12-19-13	DISTRICT: Pratt, Kansas	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: Strata Exploration, Inc.	LEASE: Miller Trust "B"	WELL NO. 1-1								
ADDRESS:	COUNTY: Kiowa	STATE: Kansas								
CITY:	STATE:	SERVICE CREW: C. Messidi, M. McGraw, S. Young								
AUTHORIZED BY:	JOB TYPE: C. NW - Longstring									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

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: *Michael Polley*
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	Pickup Mileage	mi	50	\$	212 50
E 101	Heavy Equipment Mileage	mi	100	\$	700 00
E 113	Bulk Delivery	tm	370	\$	592 00
CE 205	Cement Pump: 4,001 Feet To 5,000 Feet	hrs	4	\$	2,520 00
CE 240	Blending and mixing Service	sh	175	\$	245 00
CE 504	Plug Container	job	1	\$	250 00
5003	Service Supervisor	hrs	8	\$	175 00

SUB TOTAL *116* \$11,993 36

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: <i>R. M. Messidi</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Michael Polley</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	



Energy services, L.P.

TREATMENT REPORT

Customer Strata Exploration, Inc.	Lease No.	Date 12-19-13	
Lease Miller Trust "B"	Well # 1-1		
Field Order # 4597	Station Pratt, Kansas	Casing 3 1/2 15.5lb	Depth 4,415 Feet
Type Job C.N.W. - Longstring	Formation	County Kiowa	State Kansas
		Legal Description T-215-20W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2 15.5lb/ft	Tubing Size 2 1/2 11.3lb/ft	Shots/Ft 125	From 25	To 40	Acid 50/50 Poz with 28 Total Gel, 58 Fluid Loss, 58 Salt, 28 Pre Pad, 6 Lb./St. Silsonite	RATE 28	PRESS 58	ISIP 5 Min.
Depth 4,415 Feet	Depth 4,415 Feet	From 25	To 40	From 25	To 40	Max 28	Min 14	10 Min.
Volume 105 Bbl.	Volume 105 Bbl.	From 25	To 40	From 25	To 40	Avg 14		15 Min.
Max Press 4,500 P.S.I.	Max Press 4,500 P.S.I.	From 25	To 40	From 25	To 40			Annulus Pressure
Well Connection Plug Container	Annulus Vol. 60/40	From 25	To 40	From 25	To 40	HHP Used 309		Annulus Pressure
Plug Depth 4,377 Feet	Packer Depth 4,377 Feet	From 25	To 40	From 25	To 40	Gas Volume 104.2 Bbl. 28		Total Load

Customer Representative Michael Polly	Station Manager Kevin Gordley	Treater Clarence R. Messick
--	----------------------------------	--------------------------------

Service Units 37,216	77,686	19,905	19,960	21,010					
Driver Names Messick	Mc Graw	Young							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					Trucks on location and hold safety meeting.
7:15					Sterling Drilling start to run Auto Fill Float Shoe. Shoe Joint with Latch Down Baffle screwed into Collar and a total of Joints new 15.5 Lb./Ft. 5 1/2" csg. A Basket was installed on top of Joints # 1, 2 and # 40. A Turbolizer was installed on collars # 1, 2, 3, 4, 5, 6, 39, 41, 44, 46, and # 48.
10:30					Casing in well. Circulate for 1 Hour.
11:45		2,000			Shut in well. Pressure Test. Open Well.
	300			6	Start Fresh water Pre-Flush.
			20	6	Start Mud Flush.
			44	6	Start Fresh water Spacer.
	300		64	5	Start mixing 125 sacks 50/50 Poz cement.
	-0-		94		Stop pumping. Shut in well. Wash pump and lines. Open Well.
12:00	150			6.5	Start Fresh water 28 HCL Displacement.
			80	5	Start to lift cement.
12:30	600		104.2		Plug down.
	1,500				Pressure up.
					Release pressure. Float Shoe held
	-0-		7-5	3	Plug Rat and Mouse holes.
					Washup pump truck.
1:15					Job Complete.
					Thank You Clarence, Mike, Steve



PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	01/11/2014
INVOICE NUMBER		
1718 - 91381679		

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 Miller Trust B 1-1
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40679893	19843		Net - 30 days	02/10/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 01/07/2014 to 01/07/2014</i>				
0040679893				
171809757A Cement-New Well Casing/Pi 01/07/2014 Cement 4 1/2" Port Collar				
"Unit Mileage Chg (PU, cars one way)"	50.00	MI	3.19	159.38
Heavy Equipment Mileage	100.00	MI	5.25	525.00
Depth Charge; 2001'-3000'	1.00	EA	1,350.00	1,350.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

LEASE	18001		LEV	P/P
DES	1/2" MILLER TRST B 1-1		5	A/P
DR	COM	LOE	G/L	D/D
X			73550	
<i>2165.63</i>				

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	2,165.63
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	0.00
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	2,165.63
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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 09757 A

1-27-30

DATE _____ TICKET NO. _____

DATE OF JOB 1-7-14		DISTRICT KANSAS			NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>			CUSTOMER ORDER NO.:		
CUSTOMER STRATA EXPLORATION					LEASE MILLER TRUST B					WELL NO 1-1		
ADDRESS					COUNTY KIOWA				STATE KS			
CITY					STATE							
AUTHORIZED BY					SERVICE CREW McWIRE EDUARDO YOUNG							
					JOB TYPE: CNW 5 1/2 P.C.							

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
30316	2							PM	1000
						ARRIVED AT JOB		PM	1120
						START OPERATION		PM	1240
19889/19843	2					FINISH OPERATION		PM	1440
19826/73968	2					RELEASED		PM	
						MILES FROM STATION TO WELL			50

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: M. Polley
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE203	DEPTH CHARGE 2001-3000'	EA	1		1800 -
E100	VAN MILEAGE	MI	50		21750
E101	HEAVY EQUIPMENT MILEAGE	MI	100		700 -
S003	SERVICE SUPERVISOR	EA	1		175 -

SUB TOTAL 2165.63

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <u>MB</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>M. Polley</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
----------------------------------	---

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>STRATA EXPLOSION</i>		Lease No.		Date <i>1-7-14</i>	
Lease <i>MILLER TRUST B</i>		Well # <i>F1</i>			
Field Order # <i>9157</i>	Station <i>PRATT KS</i>	Casing <i>5/8</i>	Depth	County <i>KIOWA</i>	State <i>KS</i>
Type Job <i>CNW</i>	<i>5/8 PORT COLLAR</i>		Formation	Legal Description <i>1-27-20</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5/8</i>				<i>200SK A-10W</i>				
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>MIKE POWLEY</i>	Station Manager <i>GORDON</i>	Treater <i>M'WIRE</i>
Service Units <i>30316</i>	<i>19889</i>	<i>19843</i>
Driver Names <i>M'WIRE</i>	<i>EDMONDO</i>	<i>S. YOUNG</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1120</i>					<i>ON LOCATION SAFETY MET</i>
<i>1240</i>		<i>1500</i>			<i>RIG UP</i>
					<i>LOAD & PRESSURE TEST</i>
		<i>1500</i>			<i>OPEN P.C.</i>
		<i>2100</i>			<i>PRESSURE UP</i>
					<i>PRESSURE UP</i>
<i>1335</i>		<i>2100</i>			<i>CLOSE & OPEN SEVERAL TIMES</i>
<i>1340</i>		<i>1600</i>			<i>TEST</i>
					<i>TEST</i>
<i>1413</i>		<i>2100</i>			<i>SHUT P.C.</i>
					<i>PRESSURE UP</i>
					<i>TRUCKS RELEASED</i>
					<i>JOB COMPLETE</i>