



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1076837
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: _____

1076837

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

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

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

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

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	01/16/2012
INVOICE NUMBER		
1718 - 90802779		

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 Rosenberger 1-8
 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
40418277	27463		Net - 30 days	02/15/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 01/12/2012 to 01/12/2012				
0040418277				
171805632A Cement-New Well Casing/Pi 01/12/2012 8 5/8" Surface				
A Serv Lite	175.00	EA	10.01	1,751.75 T
Common	175.00	EA	12.32	2,156.00 T
Cello-flake	88.00	EA	2.85	250.71 T
Calcium Chloride	789.00	EA	0.81	637.91 T
Top Rubber Cement Plug 8 5/8"	1.00	EA	173.25	173.25
Baffle Plate Aluminum 8 5/8" (Blue)	1.00	EA	130.90	130.90
8 5/8" Basket (Blue)	1.00	EA	242.55	242.55
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.27	98.18
Heavy Equipment Mileage	60.00	MI	5.39	323.40
Proppant and Bulk Delivery Charges	477.00	MI	1.23	587.66
Depth Charge; 501-1000'	1.00	HR	924.00	924.00
Blending & Mixing Service Charge	350.00	MI	1.08	377.30
Plug Container Utilization Charge	1.00	EA	192.50	192.50
Supervisor	1.00	HR	134.75	134.75

LEASE	1-8	LEV	P/P
1/19	ROSENBERGER	5	1/19
DES	CEMENT SURE. CASING		A/P
			1/24
DPL	COM	LOF	G/L
X		71	71730/8331 ⁰⁰

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,980.86
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	350.14
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,331.00
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 05632 A

DATE _____ TICKET NO. _____

DATE OF JOB 1-12-12	DISTRICT Pratt	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 Rosenberger					WELL NO. 1-8	
ADDRESS		COUNTY Kiowa			STATE KS			
CITY		SERVICE CREW Orlando, Mitchell, Bowers						
STATE		JOB TYPE: CNW - 8 5/8 Surface						
AUTHORIZED BY								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME	
27283	1						1-11-12 PM 8:00	
27463	1					ARRIVED AT JOB	1-11-12 AM PM 10:00	
19831-19862	1					START OPERATION	1-12-12 AM PM 1:45	
						FINISH OPERATION	7 AM PM 2:45	
						RELEASED	7 AM PM 3:30	
						MILES FROM STATION TO WELL	30	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP106	A Serv Lite	Sk	175		2275.00
CP100	Common	Sk	175		2800.00
CC102	Celloflake	Lb	88		325.60
CC109	Calcium Chloride	Lb	789		8284.50
CF105	Top Rubber Plug 8 5/8"	ea	1		225.00
CF753	Baffle Plate 8 5/8"	ea	1		170.00
CF1903	Basket 8 5/8"	ea	1		305.00
E100	Pickup Mileage	mi	30		127.50
E101	Heavy Equipment Mileage	mi	60		420.00
E113	Bulk Delivery	Tm	477		763.20
CE201	Depth Charge 1000	ea	1		1200.00
CE240	Blending & Mixing	Sk	350		4900.00
CE504	Plus Container	ea	1		2500.00
S003	Service Supervisor	ea	1		1750.00

CHEMICAL / ACID DATA:			

SUB TOTAL		7980.86
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Steve Orlando	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: W. J. [Signature]
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FIELD SERVICE ORDER NO. _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Steady Explorations	Lease No.	Date 1-12-13	
Lease Rosenberger	Well # 1-8		
Field Order # 5683	Station Piat	Casing 8 5/8"	Depth 570
Type Job CNW - 8 5/8 Surface		Formation	Legal Description 8-28-18
		County Kiowa	State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 5/8	5 1/2	175		Asovite	1.64		5 Min.	
Depth	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush 34.2	Gas Volume			

Customer Representative B. H. H.	Station Manager Dave Scott	Treater Steve Orlando
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Service Units	27283	27463	19831	19862					
Driver Names	Orlando	R. H. H.	Bowers						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:50 AM					On location - Safety Meeting
					Run 13 1/2" 8 5/8" Surface Pipe
					Back to +10 B.S.P. #1
					Casing on Bottom - Break Circ w/P.
2:15	360		51	5	Mix 175 slt Asovite
2:27	360		32.5	5	Mix 175 slt Cement
					Start Down - Release plug
2:37	0		0	5	Stop After Displacement
2:43	350		23	4	Cement To Surface
2:45 AM	400		34.2	4	Plug Down - Clear Valve
					Sub Complete
					Thanks Steve
					Circulation - 1 min 50 sec
					Circulated 17 bbl Cement



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc.

33-27s18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Unruh#3-33

Job Ticket: 44095

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.01.03 @ 01:45:30

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:09:30

Time Test Ended: 09:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4216.00 ft (KB) To 4232.00 ft (KB) (TVD)

Reference Elevations: 2211.00 ft (KB)

Total Depth: 4232.00 ft (KB) (TVD)

2200.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 30.46 psig @ 4217.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.03

End Date:

2012.01.03

Last Calib.: 2012.01.03

Start Time: 01:45:31

End Time:

09:48:30

Time On Btm: 2012.01.03 @ 05:07:45

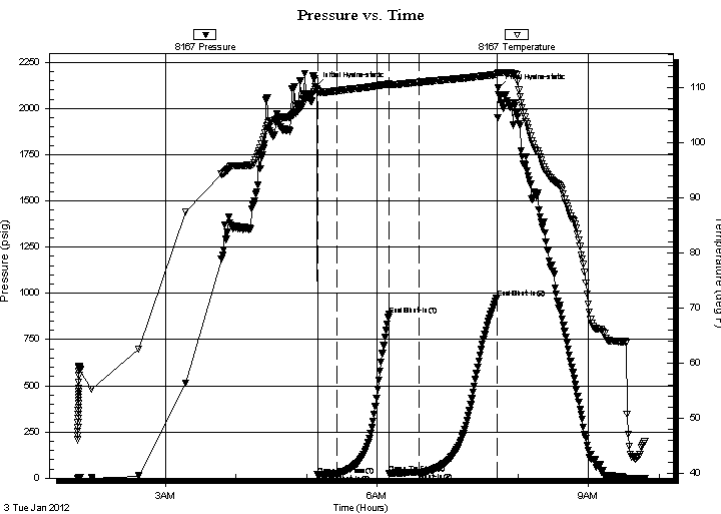
Time Off Btm: 2012.01.03 @ 07:43:15

TEST COMMENT: IF:Weak blow . 1/2 - 2 1/2".

IS:No blow .

FF:Weak blow . 1/2 - 1 1/2".

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.06	109.69	Initial Hydro-static
2	18.20	109.26	Open To Flow (1)
19	22.17	109.47	Shut-In(1)
63	884.58	110.71	End Shut-In(1)
63	24.01	110.54	Open To Flow (2)
88	30.46	111.03	Shut-In(2)
155	976.08	112.42	End Shut-In(2)
156	2109.99	112.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w oil specs	0.05
0.00	70 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

33-27s18w Kiowa Ks.

P.O.Box 401
Fairfield Il.62837

Unruh#3-33

Job Ticket: 44095

DST#: 1

ATTN: Jon Christensen

Test Start: 2012.01.03 @ 01:45:30

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:

6400 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Mud w oil specs	0.049
0.00	70 ft.of GIP	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

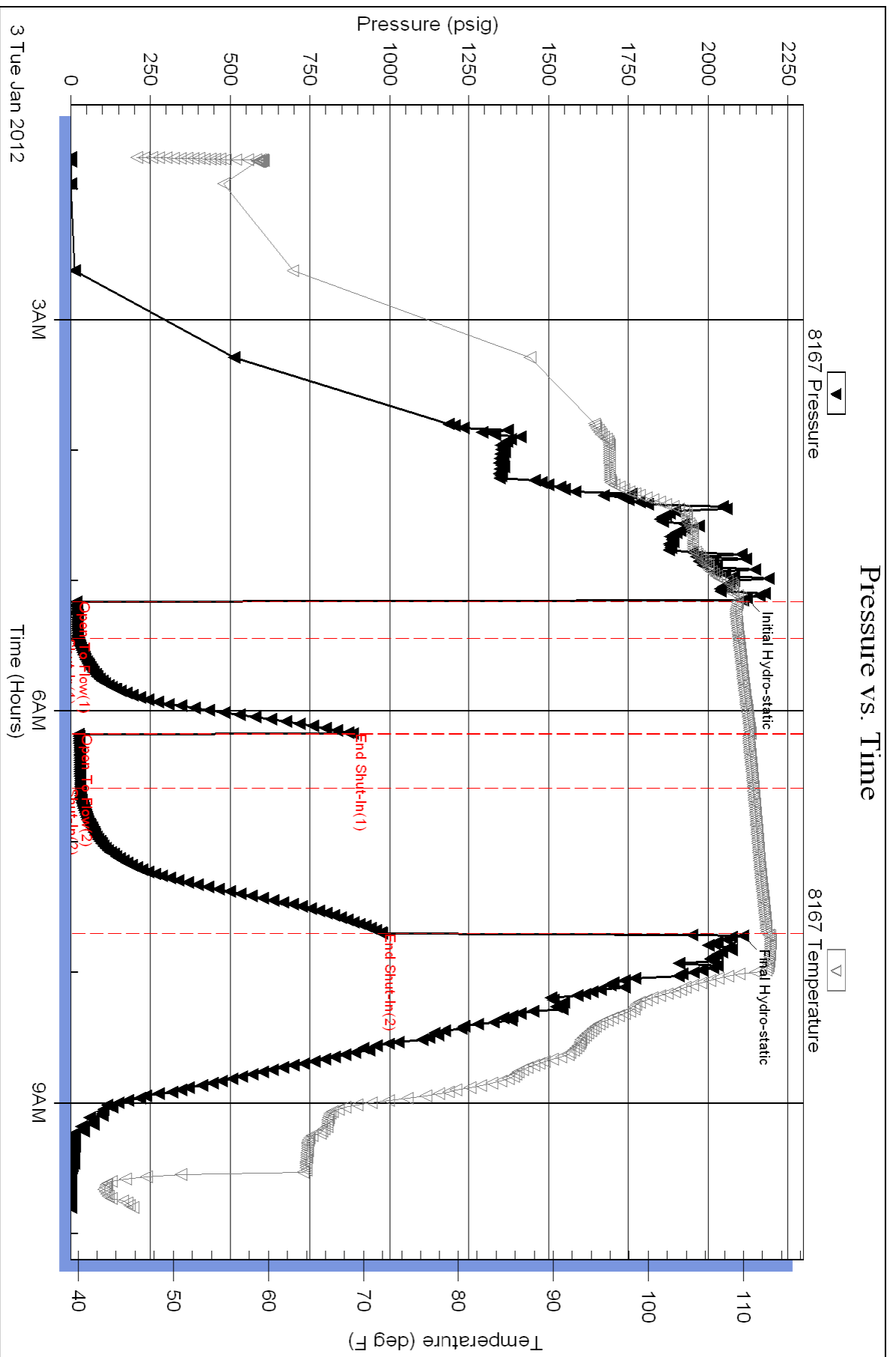
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc

8-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Rosenberger 1-8

ATTN: Jon Christensen

Job Ticket: 44141

DST#: 2

Test Start: 2012.01.19 @ 14:01:54

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:39

Time Test Ended: 22:41:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4736.00 ft (KB) To 4762.00 ft (KB) (TVD)

Reference Elevations: 2250.00 ft (KB)

Total Depth: 4762.00 ft (KB) (TVD)

2241.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 21.22 psig @ 4737.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.19 End Date: 2012.01.19

Last Calib.: 2012.01.19

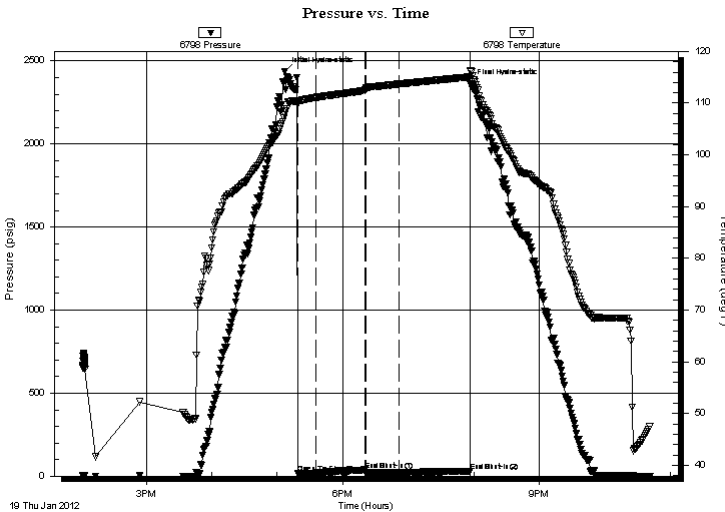
Start Time: 14:01:55 End Time: 22:41:24

Time On Btm: 2012.01.19 @ 17:06:54

Time Off Btm: 2012.01.19 @ 19:56:54

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	2437.67	107.75	Initial Hydro-static
12	17.39	109.78	Open To Flow (1)
29	18.82	111.08	Shut-In(1)
74	37.08	112.43	End Shut-In(1)
75	18.63	112.70	Open To Flow (2)
105	21.22	113.67	Shut-In(2)
170	30.02	115.06	End Shut-In(2)
170	2361.57	116.32	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc

8-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Rosenberger 1-8

Job Ticket: 44141

DST#: 2

ATTN: Jon Christensen

Test Start: 2012.01.19 @ 14:01:54

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:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

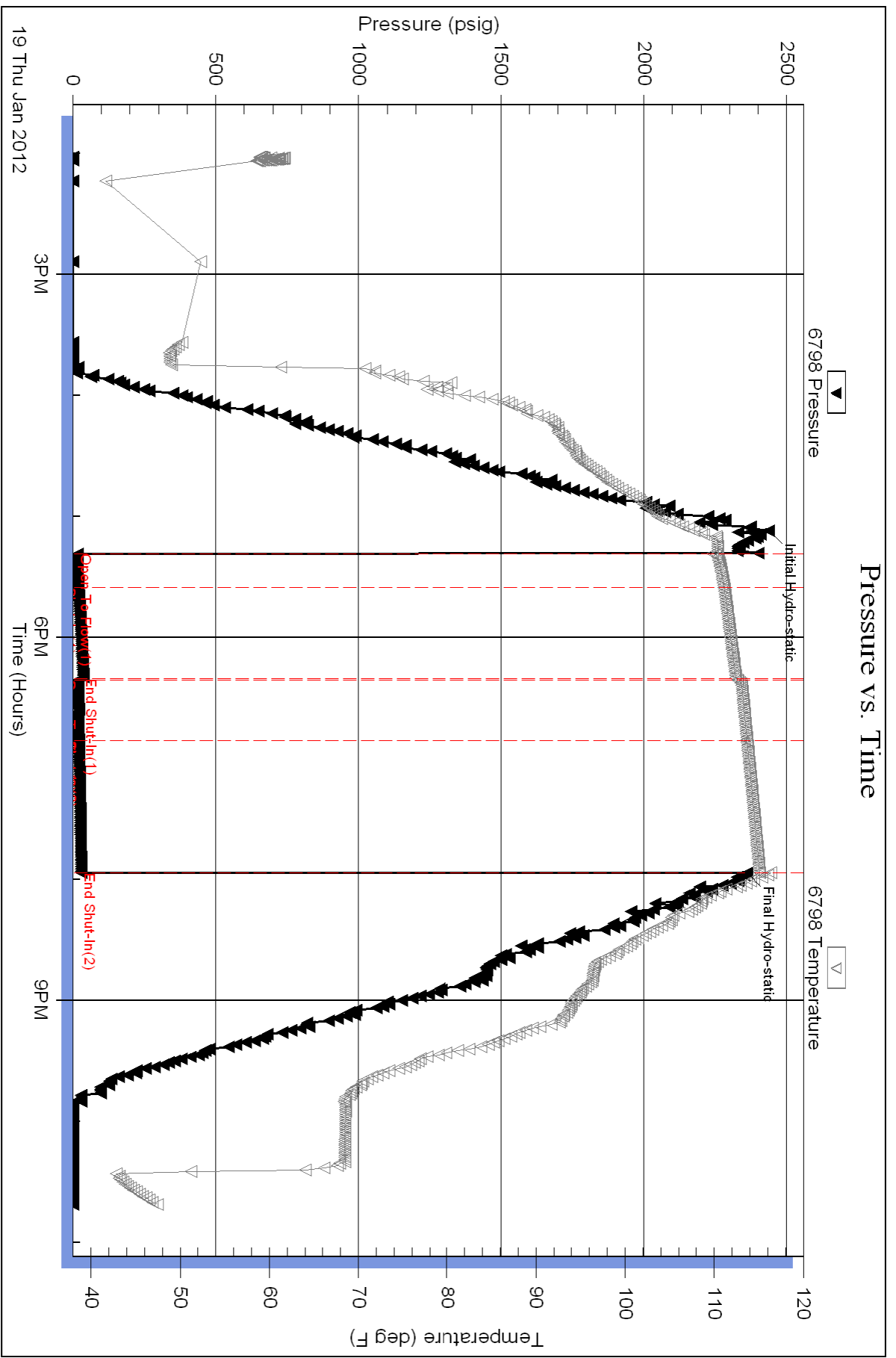
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc

8-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Rosenberger 1-8

Job Ticket: 44142

DST#: 3

ATTN: Jon Christensen

Test Start: 2012.01.20 @ 16:46:21

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:36

Time Test Ended: 00:19:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Interval: 4812.00 ft (KB) To 4880.00 ft (KB) (TVD)

Reference Elevations: 2250.00 ft (KB)

Total Depth: 4880.00 ft (KB) (TVD)

2241.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 23.93 psig @ 4813.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.20

End Date:

2012.01.21

Last Calib.: 2012.01.21

Start Time: 16:46:22

End Time:

00:19:21

Time On Btm: 2012.01.20 @ 19:13:21

Time Off Btm: 2012.01.20 @ 21:58:21

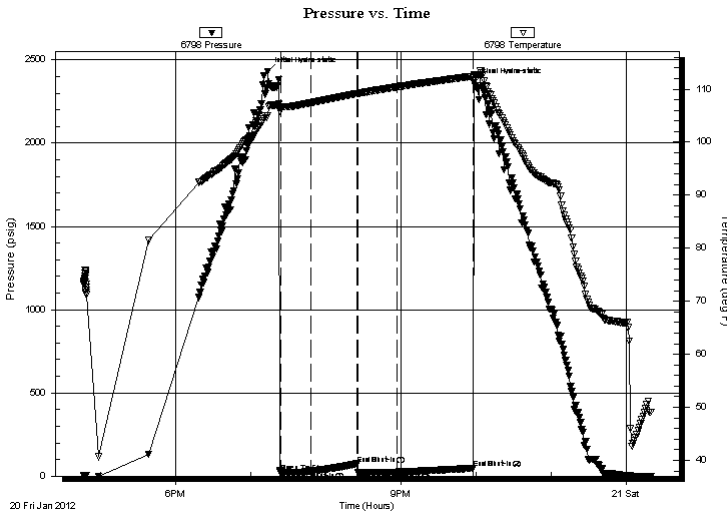
TEST COMMENT: IF: Weak Surface Blow

IS: No Blow back

FF: No Blow

FS: No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2431.24	104.97	Initial Hydro-static
11	20.84	106.79	Open To Flow (1)
35	29.76	107.44	Shut-In(1)
72	73.90	109.18	End Shut-In(1)
72	22.74	109.18	Open To Flow (2)
104	23.93	110.45	Shut-In(2)
165	47.73	112.46	End Shut-In(2)
165	2363.36	112.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc

8-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

Rosenberger 1-8

Job Ticket: 44142

DST#: 3

ATTN: Jon Christensen

Test Start: 2012.01.20 @ 16:46:21

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

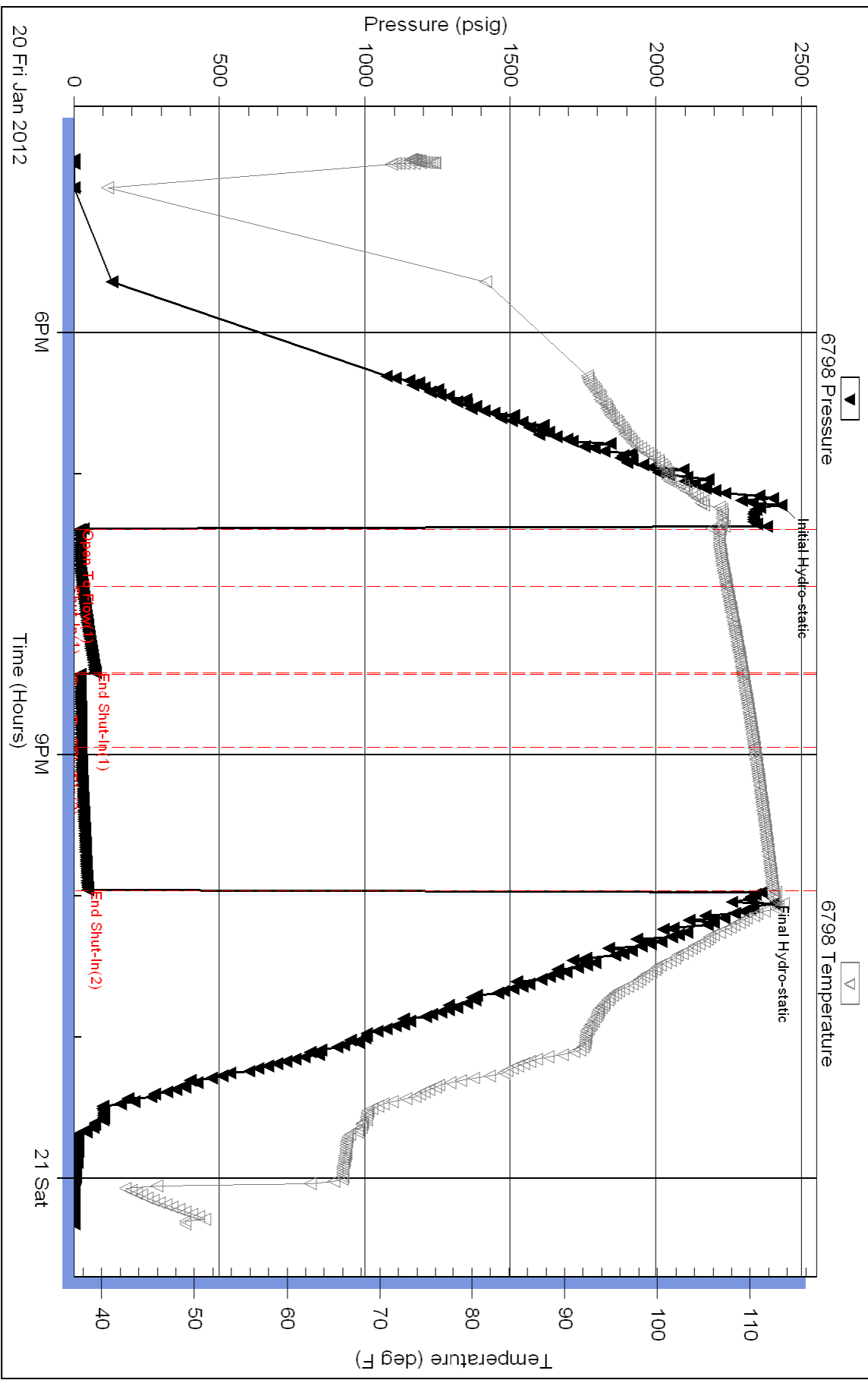
Serial #:

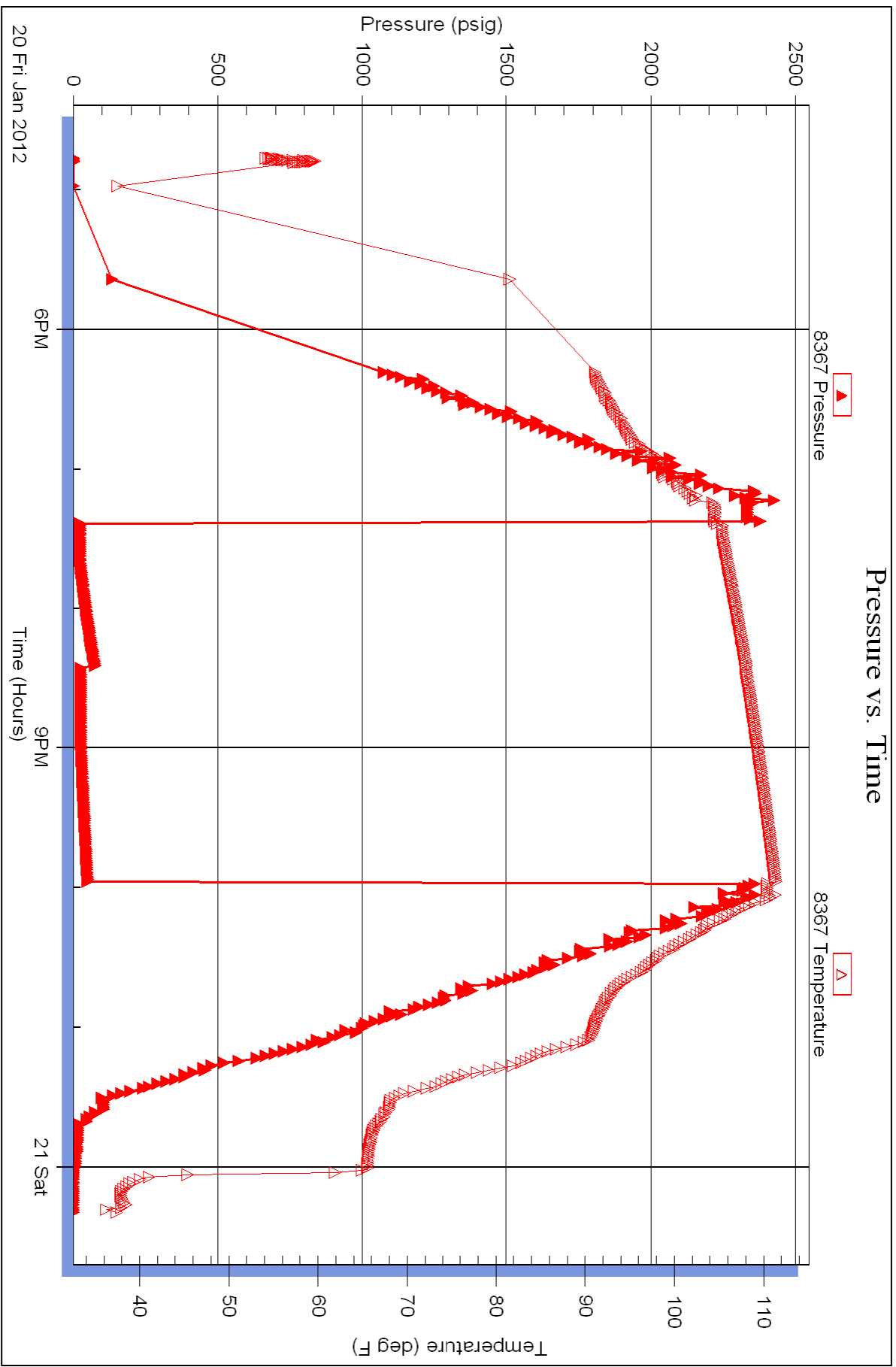
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Rosenberger #1-8
Location: 392' FNL & 538' FEL, Sec. 8-T28S-R18W, Kiowa County, KS.
Licence Number: 15-097-21709-0000 Region: Einsel Field
Spud Date: 1/11/2012 Drilling Completed: 1/21/2012
Surface Coordinates: 392' FNL & 538' FEL, Sec. 8-T28S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2239' K.B. Elevation (ft): 2250'
Logged Interval (ft): 3400' To: 4925' Total Depth (ft): 4925'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3220'; Chemical Gel 3220' to 4925'
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 9002 W. Silver Hollow St.
Wichita, KS. 67205-8856

Cores

None Taken

DSTs

DST #1(Lansing 'A') 4260' - 4276' Test Times 15"-45"-30"-60" IFP Weak 0.5" Blow, FFP Weak 0.75" Blow, no Blowback on SI's; REC: Trc. Gas in Pipe, 60' SOSpkdW(1%O, 99% SW) CI 120,000, Mud 5800; IFP 15-28#, ISIP 1430#, FFP 30-44#, FSIP 1415#, IHP 2186#, FHP 2193#, BHT 109 Deg. F.

DST #2(Pawnee) 4736' - 4762' Test Times 15"-45"-30"-60" IFP Weak 1/8" Blow, FFP Weak Surface Blow, no Blowback on SI's; REC: 5' Drilling Mud, no shows; IFP 17-19#, ISIP 37#, FFP 19-21#, FSIP 30#, IHP 2438#, FHP 2361#, BHT 116 Deg. F.

DST #3(Mississippi Chert) 4812' - 4880' Test Times 15"-45"-30"-60" IFP Weak Surface Blow 1/8", FFP No Blow, no Blowback on SI's; REC: 2' Drlg. Mud, no shows; IFP 21-30#, ISIP 74#, FFP 23-24#, FSIP 48#, IHP 2431#, FHP 2363#, BHT 113 Deg. F.

Comments

1/10/12 MIRU Sterling Drilling Co. Rig #2; 1/11/12 Spud at 5:45 AM.; 1/12/12 TD. 572' - WOC; 1/13/12 Drilling at 1220'; 1/14/12 TD. 2754' - TOH f/repairs; 1/15/12 Drilling at 3320'; 1/16/12 Drilling at 3905'; 1/17/12 TD. 4276' - TOH for DST #1; 1/18/12 Drilling at 4464'; 1/19/12 TD. 4762' - CFS for DST #2; 1/20/12 Drilling at 4814'; 1/21/12 RTD. 4925' - CCH for Logs(RTD. at 5:30 AM)

Set new 8 5/8"(24#) Surface Casing at 570' w/ 350 sx. Cement did Circulate(Basic Energy Services). PD. 2:45 AM. 1/12/12.

Surveys: Misfire at 572'(Surface Casing); 0.75 Deg. at 4276'(DST #1); 0.75 Deg. at 4762'(DST #2); Deg. at 4925' RTD.

Pipe Strap at 4762'(DST #2): Strap 3.49' Short to the Board, no correction made to the Board.

ROCK TYPES

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

ACCESSORIES

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

OTHER SYMBOLS

POROSITY		ROUNDING	
	Earthy		Rounded
	Fenest		Subrnd
	Fracture		Subang
	Inter		Angular
	Moldic		
	Organic	OIL SHOW	
	Pinpoint		Even
		Vuggy	
	SORTING		
		Well	
		Moderate	
		Poor	
			Spotted
			Ques
			Dead
		INTERVAL	
			Core
			Dst
		EVENT	
			Rft
			Sidewall

Curve Track 1

ROP (min/ft) ———
 Gamma (API) - - - -

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

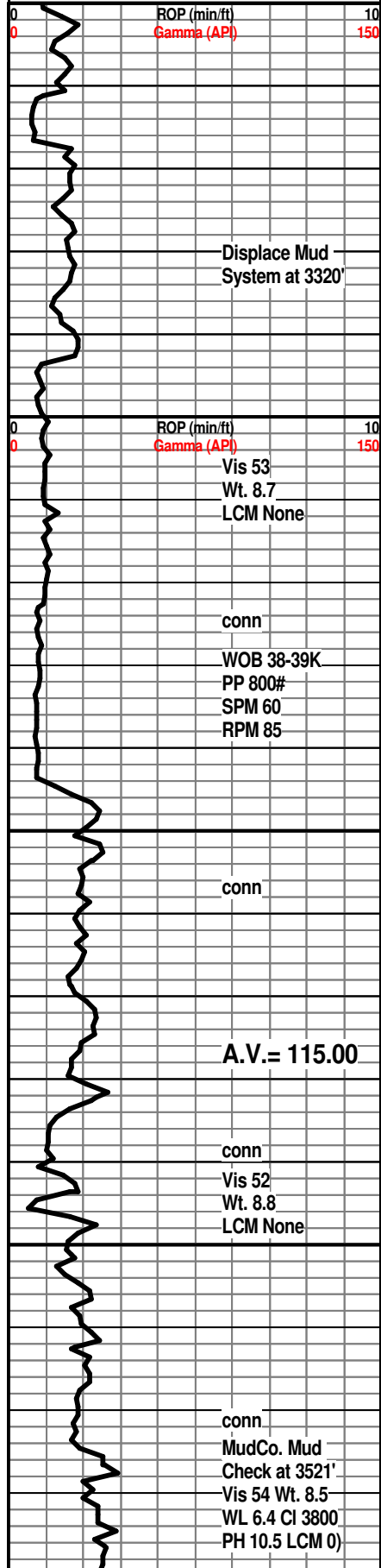
Depth

Porosity Type

Lithology

Oil Shows

Geological Descriptions



33
10
150
3400
10
150
3450
3500
3520



STRATA EXPLORATION, INC.

ROSENBERGER #1-8

GEOLOGICAL REPORT

KB. 2250'

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

SH; lt to med gy, mica - silty ip, firm, platy

STOTLER LMST. 3446(-1196)

LM; med brn, hd, foss ip, blocky, tite

LM; tan to lt brn, v. foss ip, scat pellets & fus, occ lt yel min fluor, no stn or gas kick, ns.

LM; tan to cream, lt brn, scat cse foss frags, some lrg. fus, fair interpart por ip, lt yel min fluor only, no stn, ns.

SH; lt gy, grn, platy, soft

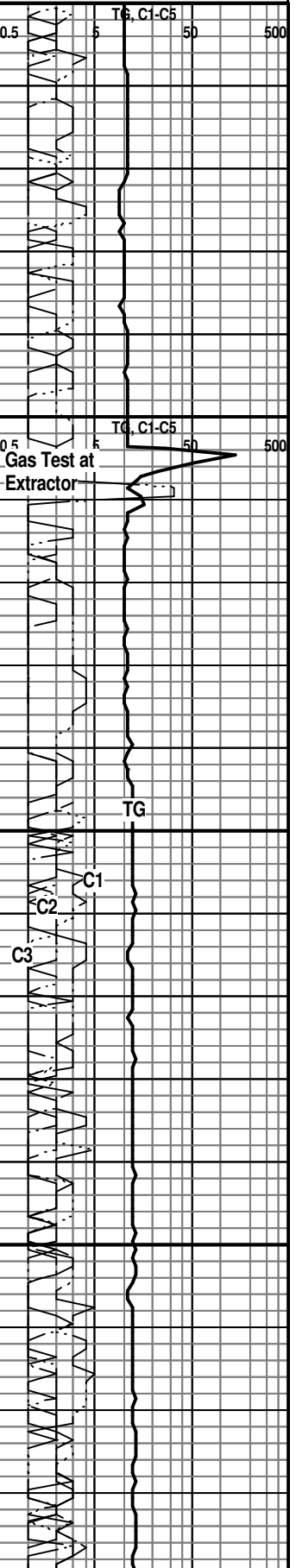
LM; med brn, dense, micritic, blocky

LM; tan to lt brn, foss, scat foss hash, poor to fair interpart por, minor soft chalky mtx, ns.

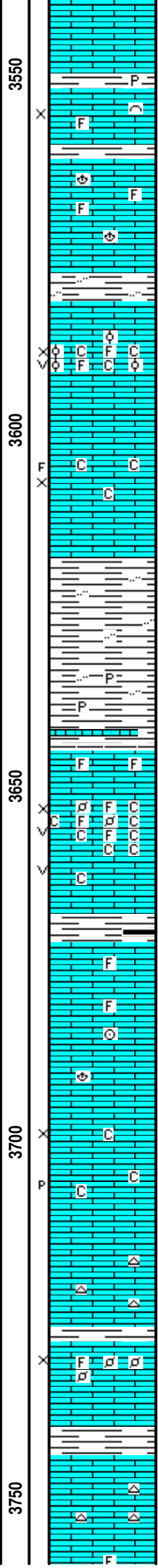
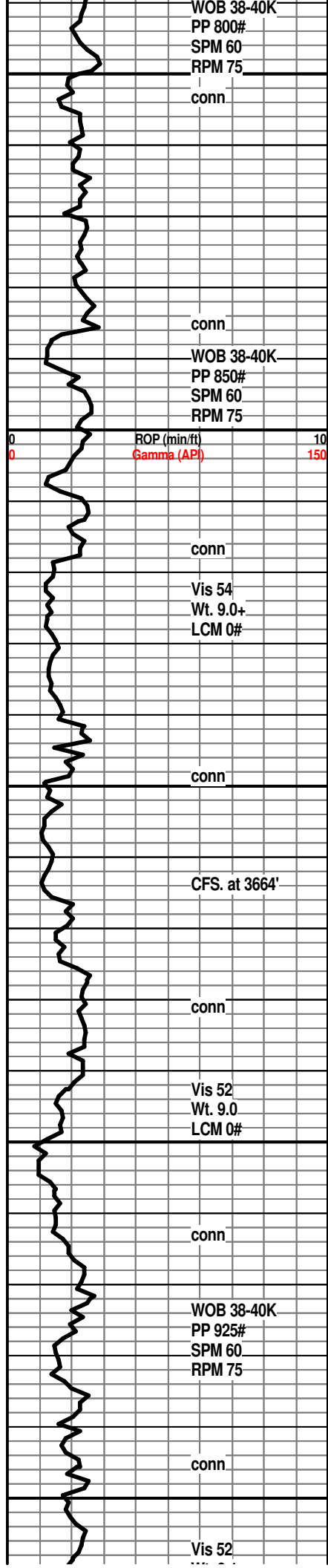
LM; lt to med brn, occ gy brn, foss ip, most well cem, blocky, no vis por, no stn, ns.

LM; off wh, tan, fxln, occ soft chalky mtx, poor interxln por, dull yel min fluor, ns.

LM; med brn, occ dk brn, hd, blocky, most micritic, tite, rare cse spar calc xtals, no fluor, no stn or odor, ns.



0.5
5
50
500
TG, C1-C5
0.5
5
50
500
TG, C1-C5
TG
C1
C2
C3



SH; med gy grn, platy, occ pyr

LM; lt gy brn, fxln, fair interxln por, scat foss mat, lt yel min fluor, no stn, no gas kick, ns.

LM; lt gy to gy brn, most dense, micritic, hd, no vis por, scat well cem foss mat, dull yel min fluor, no stn or odor, ns.

SH; med gy, grn, platy, occ silty

PULL 30 STANDS AT 3585' - Work on Mud Pump

LM; tan to off wh, buff, med to cse xln, foss - partly oolitic, minor chalky mtz, fair/gd interpart por, scat vug por, lt yel min fluor, no stn, no gas kick, ns.

LM; off wh, tan, med xln, scat fair interxln por, soft chalky mtz, trc fracs w/edge calc xtals, dull yel min fluor, no stn, no gas kick, ns.

SH; lt to med gy, firm, occ silty

SH; med gy, firm, fiss to flakey, occ pyr

HOWARD 3645(-1395)

LM; med to dk gy, foss, dense, tite

LM; off wh, wh, fxln to occ gran text, fair to gd interxln w/occ vug por, some finely pelletal lmst, much soft chalky mtz, lt yel fluor, quest. gas bubbles, no odor, no stn - very weak/no show

SH; med to dk gy, trc blk, platy, smooth

LM; lt to med brn, most dense, micritic, scat well cem foss, no fluor, ns.

LM; tan to cream, buff, f to med xln, fair interxln por, rare p-p por, minor soft chalky mtz, dull to lt yel min fluor, no stn, no gas kick, ns.

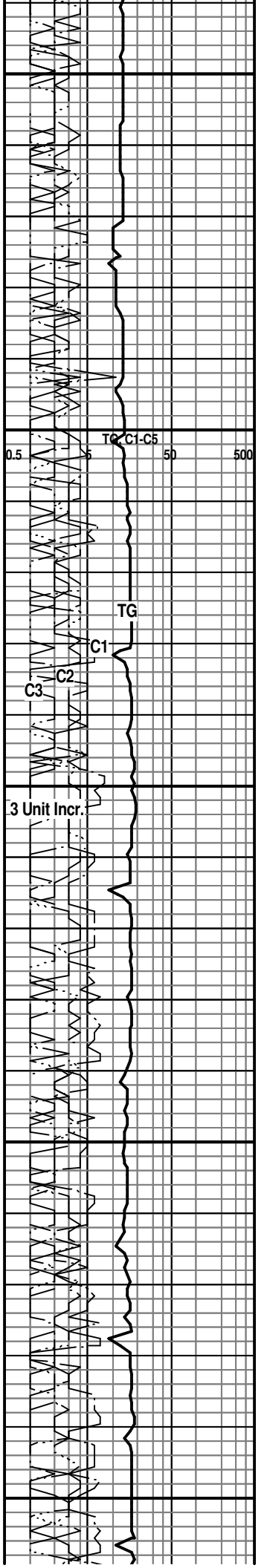
LM; med brn, rare gy brn, most dense, scat gy foss cht, hd, ns.

LM; tan to off wh, buff, foss to finely pelletal ip, scat chalky soft mtz, fair interpart por, no fluor, no stn or odor, ns.

SH; med to dk gy, fiss

TOPEKA 3744(-1494)

LM; lt to med brn, most dense, blocky, foss ip, well cem, occ gy cht, no vis por, ns.



Wt. 9.1
LCM 0#

conn

ROP (min/ft)
Gamma (API)

conn
Vis 54
Wt. 9.1
LCM 0#

A.V.= 114.50

conn

WOB 38-40K
PP 925#
SPM 60
RPM 75

conn

conn

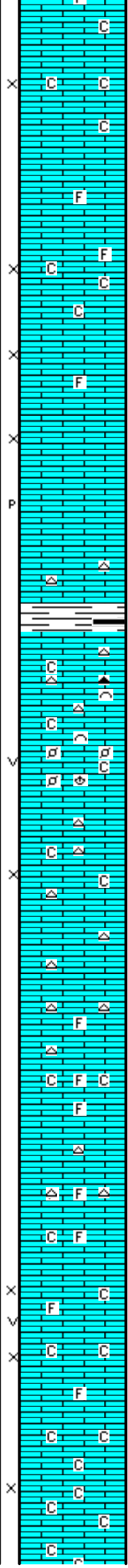
Vis 57
Wt. 9.3
LCM 0#

conn

conn

WOB 39-40K
PP 925#
SPM 60

3800
3850
3900
3950



LM; tan to buff, lt brn, fxln, fair to gd interxln por, minor soft chalky mtx, dull yel no fluor, no stn, no gas kick, ns.

LM; tan to buff, lt brn, fxln, fair interxln por, some chalky soft mtx, minor foss mat, dull yel min fluor, no stn, ns.

LM; tan to lt brn, f to rarely med xln, fair to gd interxln por w/scat p-p por, trc sucrosic text, dull yel min fluor, no stn or odor, ns.

LM; med brn, hd, scat gy/off wh cht, tite

SH; dk gy, trc blk, platy, firm

LM; tan to lt brn, f to med xln, cherty ip, fair vis interxln w/occ small vug por, minor soft chalky mtx, dull to occ lt yel min fluor, no stn or odor, ns.

LM; tan to off wh, buff, f to med xln, cherty w/abnt wh to off wh cht, fair interxln por, occ soft chalky mtx, no fluor, no stn or odor, ns.

LM; tan to lt brn, foss ip, cherty, no vis por, occ soft chalky mtx, no stn or odor, ns.

LM; tan to lt brn, most dense - micritic, blocky, scat off wh/gy cht, tite

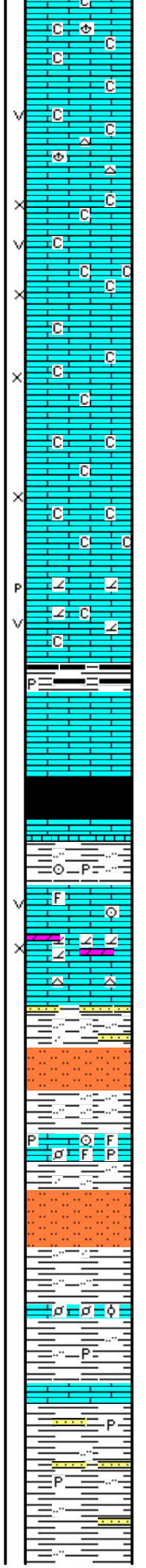
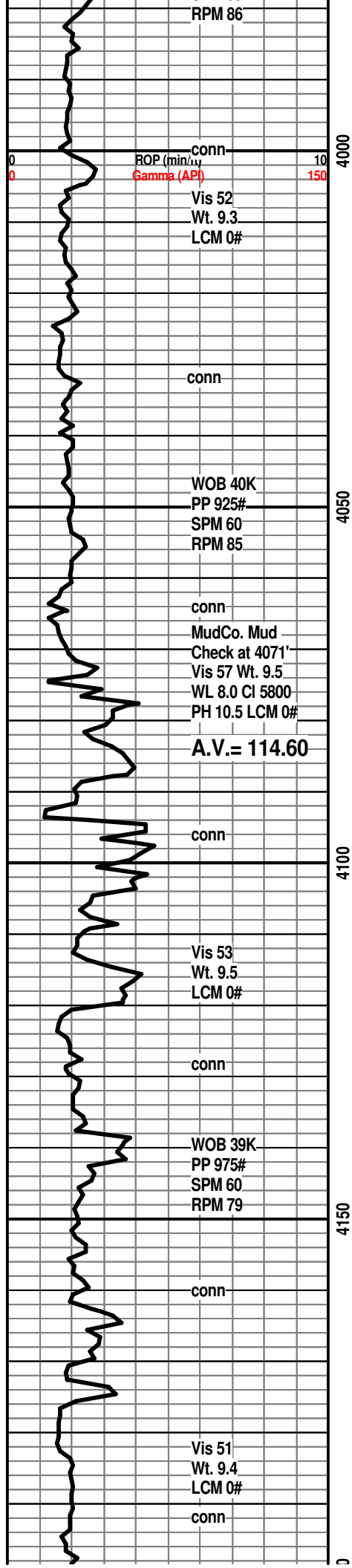
LM; tan to lt brn, buff, med xln w/occ foss mat, fair to gd interxln por, occ cse spar calc xtals, occ p-p por also, dull yel min fluor, no stn or odor, ns.

LM; tan to cream, off wh, f to med xln, fair interxln por ip, abnt soft chalk and chalky mtx, rare foss mat, dull yel min fluor, ns.

0.5 TG, C1-C5 50 500

TG C1

C3 C2



LM; tan to off wh, f to med xln, scat small vug por, much soft chalky mtx, dull yel min fluor, no stn or odor, ns.

LM; tan to buff, lt brn, med to occ cse xln, scat cse spar calc xtals, fair to gd interxln w/rare vug por, much soft chalky mtx, dull yel min fluor, ns.

LM; tan to buff, cream, f to med xln, scat foss mat, much soft chalky mtx, fair interxln por, lt yel min fluor only, no stn or odor, ns.

LM; tan to lt brn, buff, fxln to occ sucrosic text, dolomitic ip, scat fair p-p and occ vug por, minor chalky mtx, lt yel fluor, no stn or odor, ns.

SH; dk gy, blk, platy, occ pyr

LM; tan to lt brn, fxln w/some sucrosic text, foss ip, most well cem, dull to lt yel fluor, no stn or odor, no gas kick, ns.

HEEBNER SHALE 4088(-1838)

SH; blk, platy, carb ip, trc gas

LM; med to dk brn, hd, micritic

SH; grn, silty ip, occ pyr, firm

TORONTO 4103(-1853)

LM; off wh, tan, lt gy, foss ip, scat fair vug por, interbdd sucrosic dolomitic lmst, lt yel min fluor, no stn or odor, ns.

DOUGLAS SHALE 4120(-1870)

SH; lt to med gy, rarely gy grn, fiss, silty ip w/interbdd sltst, occ vf gr qtz ss, mica

LM; med brn to dk gy, highly foss, hd, occ pyr, ns.

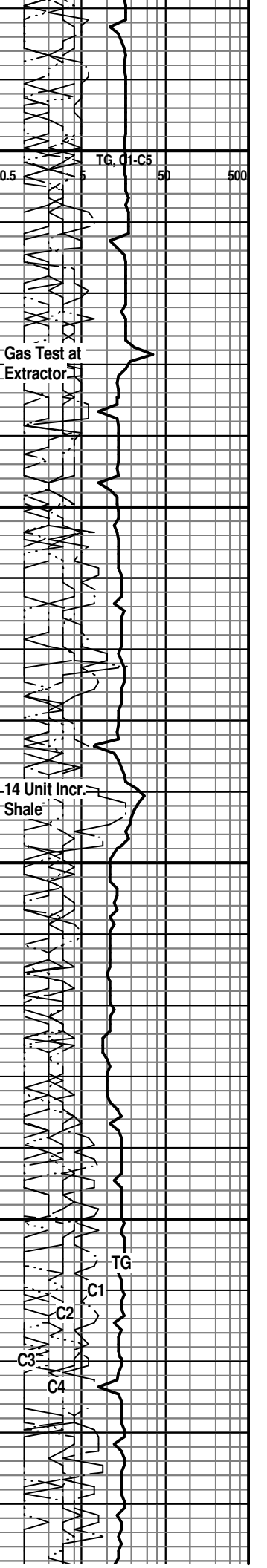
SH; lt gy, grn, platy, silty to sandy, firm, interbdd lt gy sltst.

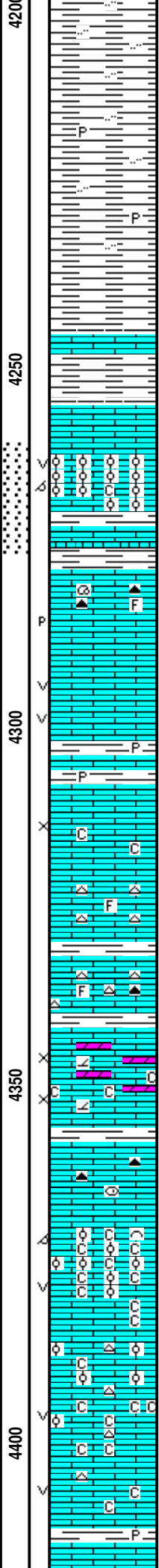
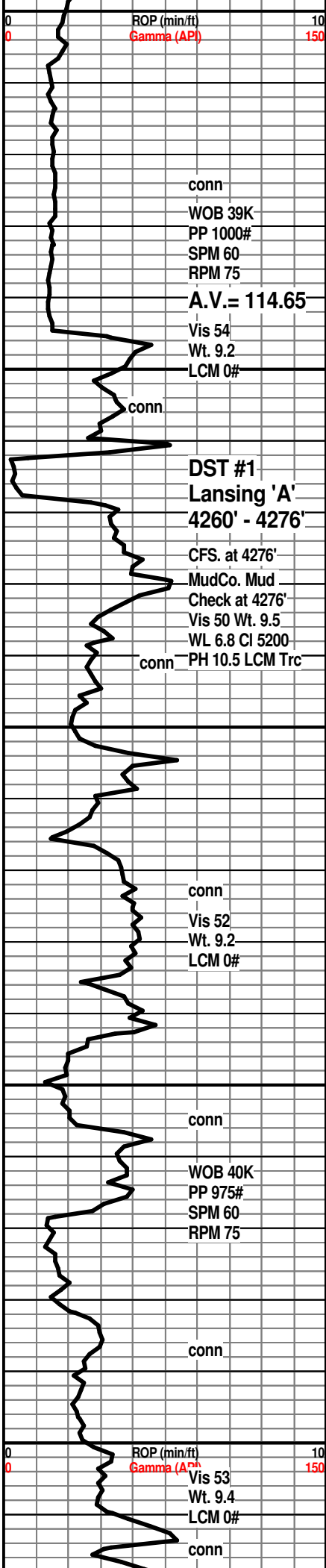
SH; med gy, gy grn, silty ip, firm

LM; med gy, hd, foss - pelletal ip, tite

LM; med brn, foss, well cem, blocky, tite

SH; med gy, gy grn, silty ip w/occ interbdd vf gr qtz ss, pyr ip.





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

SH; lt to med gy, firm, platy, pyr ip.

BROWN LMST. 4245(-1995)
 LM; med to dk brn, dense, micritic, tite

LANSING 'A' 4255(-2005)
 LM; tan to lt brn, oolitic, med to lrg molds, v. gd oomoldic por, scat gd vug por, brittle, med to brite yel fluor, fair odor, spotted lt brn oil stn, VSSFO - few pcs w/gassy FO, fair cut, some barren por, occ soft chalk

DST #1: Lansing 'A': 4260' - 4276'
LANSING 'B' 4278(-2028)
 LM; tan to lt gy, foss ip, most well cem, scat poor p-p por, occ smoky cht, no fluor, no stn or odor, ns.

LM; tan to lt gy, med xln, scat cse spar calc xtals, fairly well dev. vug por w/sec calc overgrowths, no fluor, no stn/odor, ns.

SH; med gy, firm, occ pyr

LM; lt brn, tan, mottled ip, fxln w/occ foss mat, poor interxln por, trc sucrosic text, dull yel min fluor only, minor chalky mtx, ns.

LM; lt to med brn, most dense, scat foss off wh cht, tite

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

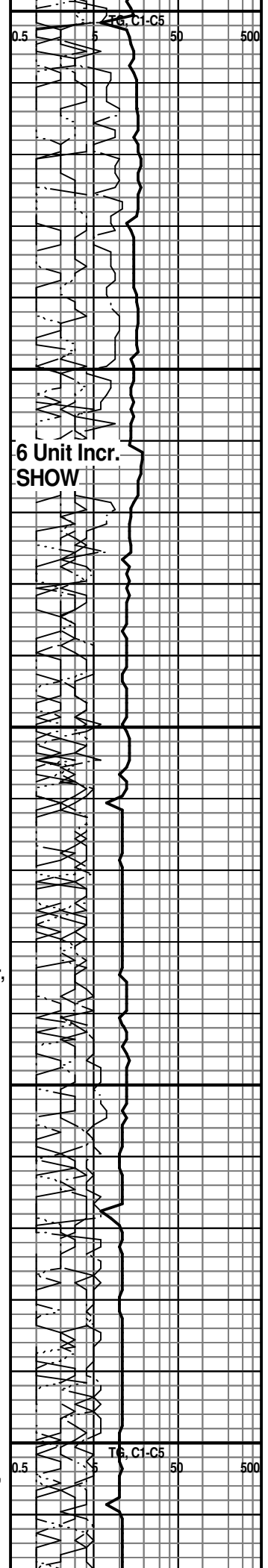
LM; off wh, wh, buff, fxln, sucrosic text, dolomitic ip, fair interxln por, scat soft chalk and chalky mtx, lt yel min fluor, no stn, no gas kick, barren, ns.

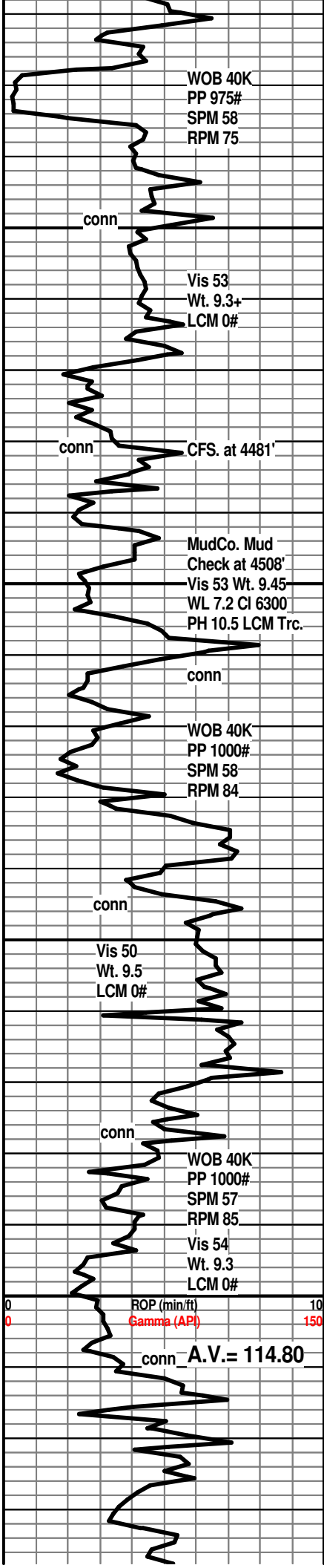
LM; lt to med brn, hd, micritic, occ smoky/brn chert, no vis por, ns.

LM; off wh, wh, most oolitic w/some med xln, foss ip, fair to gd oomoldic w/minor small vug por, much soft chalky mtx, no fluor, no stn, ns.

LM; off wh, tan, foss, well cem oolites and foss mat, chalky - soft, most tite, some oolitic cht, no fluor, ns.

LM; off wh, tan to buff, foss ip, scat poor small vug por, chalky ip, ns.





WOB 40K
PP 975#
SPM 58
RPM 75

Vis 53
Wt. 9.3+
LCM 0#

CFS. at 4481'

MudCo. Mud
Check at 4508'
Vis 53 Wt. 9.45
WL 7.2 Cl 6300
PH 10.5 LCM Trc.

WOB 40K
PP 1000#
SPM 58
RPM 84

Vis 50
Wt. 9.5
LCM 0#

WOB 40K
PP 1000#
SPM 57
RPM 85

Vis 54
Wt. 9.3
LCM 0#

ROP (min/ft)
Gamma (API)

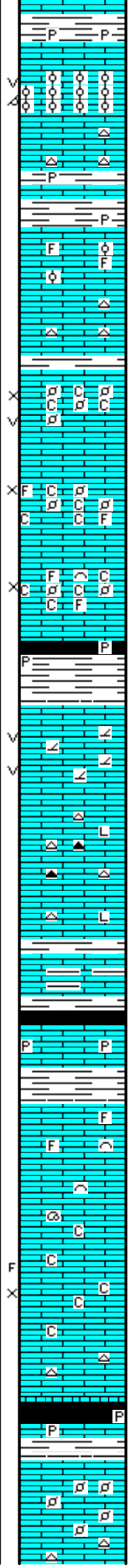
conn A.V. = 114.80

4450

4500

4550

4600



SH; dk gy, pyr ip, platy
LANSING/K.C. 'H' 4424(-2174)

LM; lt brn, tan, oolitic, most med size molds, v. gd oomoldic w/occ small vug por, brittle ip, dull yel fluor, no stn/odor, no sample shows

LM; tan to lt brn, buff, most dense, scat cht, tite

SH; med gy, firm, pyr ip.

LM; tan to lt brn, hd, blocky, scat well cem foss - oolitic mat, no vis por, no fluor, ns.

LM; tan to buff, lt brn, most dense, scat gy to tan cht, no fluor, no stn or odor, ns.

K.C. 'I' 4470(-2220)

LM; off wh, foss - finely pelletal, rare small oolites, soft chalky mtx ip, fair interpart w/rare vug por, lt yel fluor, no stn/odor, no gas kick, ns.

LM; tan to off wh, foss, finely pelletal, poor to fair interpart por, scat soft chalky mtx, dull yel fluor, no stn or odor, no gas kick, ns.

LM; tan to off wh, foss ip, some med xln w/cse spar calc stals, fair interpart/interxln por, soft chalky mtx ip, no fluor, ns.

SH; dk gy to blk, platy, occ pyr

K.C. 'J' DENNIS 4517(-2267)

LM; tan to buff, fxltn, sucrosic text, partly dolomitic, scat vug por, lt yel min fluor only, no stn or odor, ns.

LM; tan to buff, lt brn, most dense - litho, hd, blocky, scat tan to amber cht, tite

SH; med gy, grn, platy

LM; lt gy brn, argil, hd, tite

STARK SHALE 4560(-2310)

SH; blk, carb, platy

LM; med gy, hd, pyr, tite

SWOPE 4573(-2323)

LM; lt gy, tan, foss ip, most well cem, blocky, no vis por, no fluor, ns.

LM; tan to off wh, cream, f to med xln, some gran, scat fair to gd interxln por, trc frags, 1 pc. w/lt brn oil stn, chalky ip, most barren por, dull yel fluor, no odor, no gas kick

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

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

LM; dk brn, hd, pyr ip, tite

HERTHA 4623(-2373)

LM; tan to buff, lt brn, foss ip, finely pelletal, most well cem, lt yel fluor, poor/no vis interpart por, no stn or odor, ns.

4 Unit Incr.

TG

C1

C3

C4

Gas Test at
Extractor

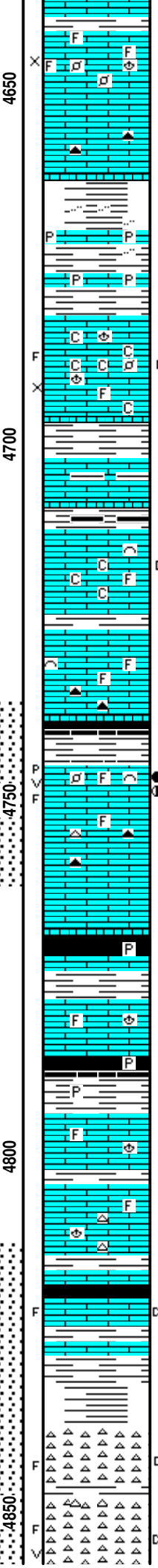
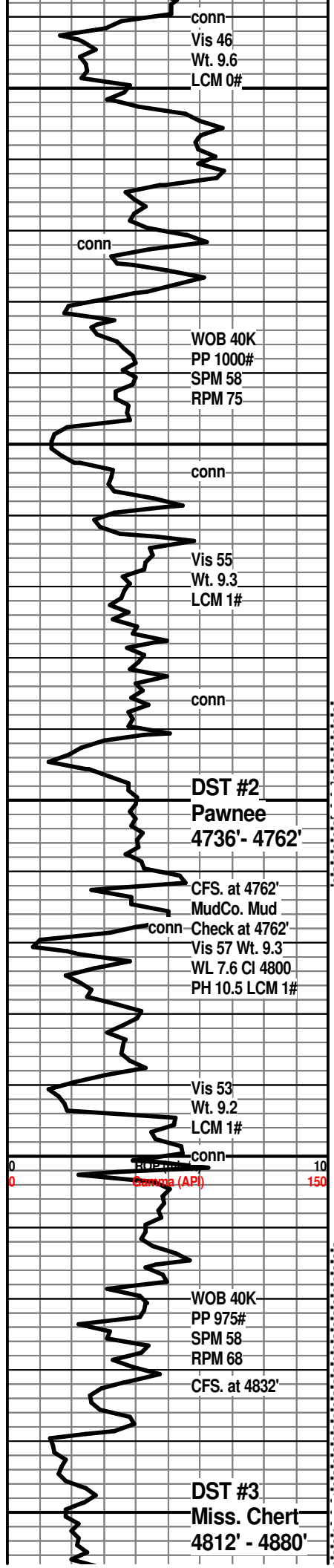
3 Unit Incr.
Shale

Change Extractor
Filter/Clean out

Gas Test at
Extractor -
Propane

0.5 TG C1-C5 50 500

11 Unit Incr.
Shale



SH; med gy, grn, fiss to flakey
LM; med brn, cse xln, scat foss mat, fair interxln por, occ spar calc xtals, dull yel min fluor, no stn or odor, ns.

LM; med to dk brn, hd, micritic - litho, cherty

BASE KANSAS CITY 4663(-2413)
SH; varic, grn, gy, rust red, platy, silty ip.
LM; dk gy, foss ip, hd, blocky, scat pyr

PLEASANTON 4682(-2432)
LM; wh to off wh, fxln, foss w/scat soft chalky mtx, some fair interpart por, trc blk dead oil stn, trc frags, dull to lt yel fluor, no odor, weak to no cut, v. poor show

SH; grn, gy grn, fiss
MARMATON 4703(-2453)
LM; lt brn, tan, pale grn tint, argil ip, hd.
SH; dk gy, blk, platy
LM; tan to lt brn, most dense, micritic, blocky, interbdd fxln partly chalky lmst w/blk tar/gils/dead oil, dull yel fluor, no live shows, looks tite

LM; tan to lt brn, fxln, scat foss mat, most well cem, hd, no vis por, scat tan to amber cht, no fluor, ns.

PAWNEE 4745(-2495)
LM; lt brn, gran/cse xln, foss ip, fair to gd p-p w/vug por, gd odor, frags ip, med to brite yel fluor, gas bubbles, SFO, spotted to even med brn oil stn, fair to gd cut
LM; lt brn, hd, most micritic, scat tan/amber cht

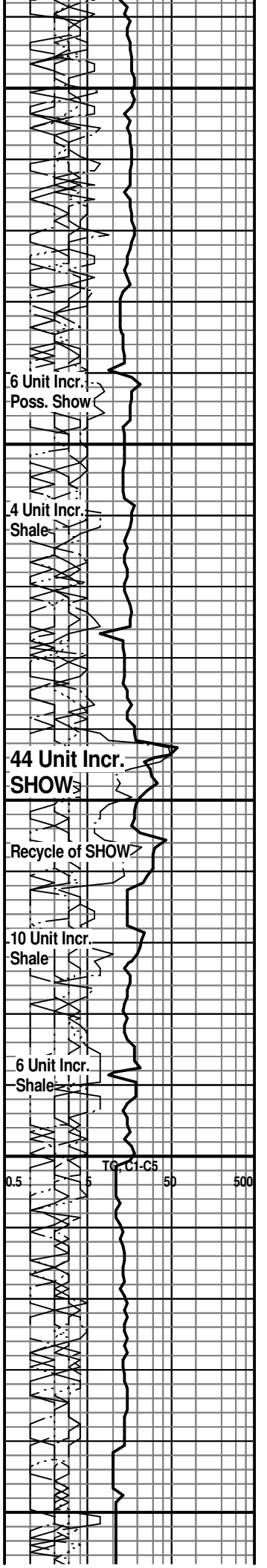
DST #2(Pawnee) 4736' - 4762'
SH; blk, carb ip, platy, trc pyr, blocky
SH; med gy, grn, fiss
LM; tan to lt brn, foss ip, dense to micritic, lt yel min fluor, no stn, no gas kick, ns.

CHEROKEE SHALE 4786(-2536)
SH; varic: blk, grn, gy, maroon. some v. soft, pyr ip.
LM; med/dk brn, hd, scat well cem foss mat, blocky, no vis por, ns.
LM; tan to lt brn, rare well cem foss, most dense, occ tan/lt brn cht, no vis por, no fluor, ns.

SH; blk, platy, thinly bdd
LM; off wh, tan, fxln, scat frags, sev. pcs w/blk tar/gils/dead oil, trc tar on frac faces, dull yel fluor, no odor, no gas kick

SH; varic: rust red, grn, maroon, platy

MISSISSIPPI CHERT 4838(-2588)
CHT; yel, org, wh, most fresh, few frags, scat oolitic cht, trc dk brn/blk residual oil stn, dull to lt yel fluor, no odor, no gas kick
CHT; varic, wh, yel, org, most fresh, frags, rare vug por, trc dk brn/blk dead oil stn, dull yel fluor, no odor, no gas kick, interbdd rust red shale and reworked chert



CFS. at 4864'

Vis 60
Wt. 9.2
LCM 1#

CFS. at 4880'
MudCo. Mud
Check at 4880
Vis 66 Wt. 9.15
WL 6.8 Cl 4200
PH 11.0 LCM 2#

conn

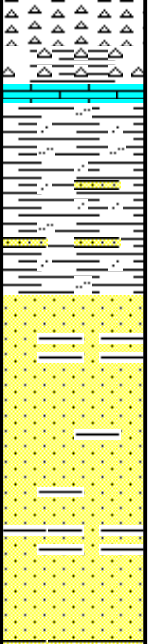
WOB 40K
PP 975#
SPM 58
RPM 75

Vis 57
Wt. 9.2
LCM 1#
CFS. at 4925' RTD

4900

4950

00



sections
CHT and SH; yel, wh, org, fresh cht, grn and red sh, no fluor, ns, trc wh/rose red med xln lmst.

KINDERHOOK SHALE 4868(-2618)

SH; med gy, some sea grn, sandy ip, platy

DST #3: Miss. Chert 4812' - 4880'

SH; med gy grn, silty to sandy, firm, platy, interbdd grn vf to fgr qtz ss strngs.

KINDERHOOK SAND 4888(-2638)

SS; wh, lt gy, occ pale grn tint, most f gr qtz, well srt, clusters, fair to gd intergran por, some argil, trc salt & pepper ss, subrnd/subang gr, no fluor, no stn or odor, barren, no gas kick

SS; clr, lt gy, off wh, f gr qtz, clusters, argil ip, fair to gd intergran por, no fluor, no gas kick, ns.

SS; wh, lt gy, occ clr, all f gr qtz, well srt, clean, fri clusters, gd intergran por, interbdd hd qtzitic to argil ss, no fluor, no stn or odor, barren, ns.

2 Unit Incr.

RTD. 4925' at 5:30 AM. 1/21/12

LTD.

Halliburton DIL, NEU/DEN, Microlog,
MIRL

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 21, 2012

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

Re: ACO1
API 15-097-21713-00-00
Rosenberger 1-8
NE/4 Sec.08-28S-18W
Kiowa County, Kansas

Dear Production Department:

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

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

Respectfully,
John R Kinney