

KANSAS CORPORATION COMMISSION 1048805
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33036
 Name: Strata Exploration, Inc.
 Address 1: PO BOX 401
 Address 2: _____
 City: FAIRFIELD State: IL Zip: 62837 + 0401
 Contact Person: John R. Kinney
 Phone: (618) 842-2610
 CONTRACTOR: License # 5142
 Name: Sterling Drilling Company
 Wellsite Geologist: Jon Christensen
 Purchaser: Oneok

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW

Plug Back: _____ Plug Back Total Depth

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

10/05/2010 10/17/2010 11/24/2010

Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 15-097-21678-00-00

Spot Description: _____

SE SW SW NW Sec. 33 Twp. 27 S. R. 18 East West

2672 Feet from North / South Line of Section

335 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Kiowa

Lease Name: Unruh Well #: 1-33

Field Name: _____

Producing Formation: Mississippian

Elevation: Ground: 2213 Kelly Bushing: 2224

Total Depth: 4806 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 525 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: 8500 ppm Fluid volume: 1000 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: Roberts Resources

Lease Name: MARY License #: 32781

Quarter NW Sec. 16 Twp. 29 S. R. 18 East West

County: Kiowa Permit #: D28396

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
 Date: 12/30/2010
- Confidential Release Date: 12/29/2012
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NAOMI JAMES Date: 01/05/2011

Operator Name: Strata Exploration, Inc. Lease Name: Unruh Well #: 1-33
 Sec. 33 Twp. 27 S. R. 18 East West County: Kiowa

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum *** See geologic report
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	525	Common/ Lite	400	See Cement ticket
Longstring	7.875	5.5	15.5	4807	50/50 Poz	200	See Cement ticket

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	-			

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
3	Perf Miss Chert 4782-4792	Acidize 1000 gal 10% MIRA	4782-92
		Frac 450 bbls Pro gel, 18,250# 16/30 sd	4782-92

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>4758</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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PAID
10-18-10
FNB SA# 6246

PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 10/08/2010
INVOICE NUMBER 1718 - 90427161		

Pratt (620) 672-1201

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

J LEASE NAME UNRUH 1-33
O LOCATION CEMENT SURF-NEWVELL. 5 10/13
B COUNTY KIOWA
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi 7/730/7298.09
T JOB CONTACT
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40238612	20920		Net - 30 days	11/07/2010	
<i>For Service Dates: 10/06/2010 to 10/06/2010</i>					
0040238612					
171802546A Cement-New Well Casing/Pi 10/06/2010 8 5/8" SURFACE					
A SERV LITE		200.00	EA	8.06	1,612.00 T
COMMON		200.00	EA	9.92	1,983.99 T
CELLO-FLAKE		100.00	EA	2.29	229.40 T
CALCIUM CHLORIDE		1,086.00	EA	0.65	706.99 T
CEMENT GEL		376.00	EA	0.16	58.28 T
TOP RUBBER CEMENT PLUG 8 5/8"		1.00	EA	139.50	139.50
UNIT MILEAGE CHARGE-PICKUPS, VANS & CARS		30.00	HR	2.64	79.05
HEAVY EQUIPMENT MILEAGE		60.00	MI	4.34	260.40
PROPPANT AND BULK DELIVERY CHARGES		543.00	MI	0.99	538.66
DEPTH CHARGE; 501-1000'		1.00	HR	744.00	744.00
BLENDING & MIXING SERVICE CHARGE		400.00	MI	0.87	347.20
Cementing Head w/Manifold		1.00	EA	155.00	155.00
SUPERVISOR		1.00	HR	108.50	108.50

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,962.97
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	335.12
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,298.09
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 02546 A

DATE _____ TICKET NO. _____

DATE OF JOB: <u>10-6-00</u> DISTRICT: <u>Pratt</u>			NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER: <u>STRATTON</u>			LEASE: <u>UNRPH</u> <u>1-33</u>		WELL NO.:				
ADDRESS:			COUNTY: <u>Lincoln</u> STATE: <u>KS</u>						
CITY:			SERVICE CREW: <u>Sullivan, Mize, Physc</u>						
AUTHORIZED BY:			JOB TYPE: <u>CPW</u> <u>Stratton</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
<u>22204, 24570</u>	<u>2</u>					<u>1006</u>			
<u>17910</u>	<u>2</u>								
<u>19457</u>									
						ARRIVED AT JOB		AM PM	
						START OPERATION		AM PM	<u>11:00</u>
						FINISH OPERATION		AM PM	<u>12:20</u>
						RELEASED		AM PM	<u>1:04</u>
						MILES FROM STATION TO WELL			<u>30</u>

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
OT 106	A 220 liter can	SK	200		2600
OT 107	Concrete	SK	200		2600
OT 108	Cable	lb	100		390
OT 109	Cable	lb	100		1,140
OT 201		lb	376		77
OT 105	700 Rubber ply 98%		1		27
OT 104	poly cables	in	30		177
OT 103	Wire	in	60		400
OT 102	Wire	700	543		86
OT 204	Dinner etc	SK	1		1,300
OT 240	Urethane	SK	400		540
OT 504	plastic	in	1		250
OT 003		in	1		175
				SUB TOTAL	

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>6,240</u>

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

Customer <i>STRATA EXPLORED</i>	Lease No.	Date <i>10-06-10</i>	
Lease <i>UNRUEH</i>	Well # <i>1-33</i>		
Field Order # <i>2546</i>	Station <i>PR14</i>	Casing <i>8 7/8</i>	Depth <i>523'</i>
Type Job <i>CNW 8 7/8 Surface</i>		County <i>KIOWA</i>	State <i>KS</i>
Formation		Legal Description <i>33-27-18</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8</i>				Pre Pad	Max		5 Min.	
Depth <i>523'</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>32</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>300</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>303</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Allen</i>
Service Units <i>19867</i>	<i>33706</i>	<i>20920</i>
Driver Names <i>Sullivan</i>	<i>Melton</i>	<i>Phyllis</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0830</i>	<i>Ann.</i>				<i>on the safety meeting</i>
					<i>Run 12 5.75 8 7/8" 23 csp</i>
<i>1120</i>					<i>Casing on Bottom</i>
<i>1130</i>					<i>Hook Up To Circ.</i>
<i>1140</i>	<i>200</i>		<i>3</i>	<i>3</i>	<i>1st spacer</i>
				<i>5.4</i>	<i>mix back cont 200 st A-seal bit w/</i>
			<i>57</i>		<i>3% cc 1/4 cell take</i>
				<i>5.5</i>	<i>mix Tail cont 200 st com 2% acid 3% cc 1/4 for</i>
			<i>48</i>		<i>shot down cont mixed</i>
					<i>Release Plug</i>
<i>1210</i>				<i>4</i>	<i>1st plug</i>
<i>1220</i>			<i>32</i>		<i>plug down</i>
					<i>circulated 15 bbl cont to pit</i>
					<i>SOB complete</i>
					<i>Thank you</i>



PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 10/19/2010
INVOICE NUMBER 1718 - 90435422		

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

J LEASE NAME Unruh 1-33
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

PAID
 10-30-10
 FNB SA# 6260

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40242335	19905		Net - 30 days	11/18/2010
For Service Dates: 10/17/2010 to 10/17/2010				
0040242335				
171802935A Cement-New Well Casing/Pi 10/17/2010 Longstring				
50/50 POZ	200.00	EA	7.70	1,539.90 T
60/40 POZ	50.00	EA	8.40	419.97 T
KCL Potassium Chloride	447.00	EA	1.05	469.32 T
Cal-Set	840.00	EA	0.52	440.97 T
CS-1L KCL Substitute	5.00	EA	24.50	122.49 T
Mud Flush	1,000.00	EA	0.60	601.96 T
Top Rubber Cement Plug 5 1/2"	1.00	EA	73.50	73.50
Bottom Rubber Cement Plug 5 1/2"	1.00	EA	125.99	125.99
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	251.98	251.98
Turbolizer 5 1/2" (Blue)	12.00	EA	77.00	923.94
5 1/2" Basket (Blue)	2.00	EA	202.99	405.97
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	2.97	89.24
Heavy Equipment Mileage	60.00	MI	4.90	293.98
Proppant and Bulk Delivery Charges	317.00	MI	1.12	355.02
Pump Charge-Hourly	1.00	HR	1,763.92	1,763.92
Blending & Mixing Service Charge	250.00	MI	0.98	244.98
Plug Container Utilization Charge	1.00	EA	174.99	174.99
Supervisor	1.00	HR	122.49	122.49
FLA-322	84.00	EA	5.25	440.97 T

LEASE	UNRUH	LEV	P/P
10/22			10/22
DES	CEMENT		A/P
			10/22
DRL	COM	LOE	G/L
	X		73551/9156

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,861.58
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	294.60
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,156.18
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



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

FIELD SERVICE TICKET
1718 02935 A

33-275-18W

DATE _____ TICKET NO. _____

DATE OF JOB 10-17-10		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 Unruh				WELL NO. 1-33	
ADDRESS				COUNTY Kiowa		STATE Kansas			
CITY				STATE		SERVICE CREW C. Messick; M. Mattal; D. Phye			
AUTHORIZED BY				JOB TYPE C.N.W. - Longstring					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19,866	1						10-17-10	AM	5:30
						ARRIVED AT JOB		AM	7:30
19,903-19,905	1					START OPERATION		AM	2:00
						FINISH OPERATION		AM	3:00
19,960-19,918	1					RELEASED	10-17-10	AM	3:15
						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
CP 104	50/50 Poz Cement	St	200	\$	2,200.00
CP 103	60/40 Poz Cement	St	50	\$	600.00
C 700	KCL, Potassium Chloride	Lb	447	\$	670.50
CC 113	Cal Set	Lb	840	\$	630.00
CC 124	FLA-322	Lb	84	\$	630.00
CF 103	Top Rubber Plug, 5 1/2"	ea	1	\$	105.00
CF 121	Bottom Rubber Plug, 5 1/2"	ea	1	\$	180.00
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	2	\$	580.00
C 704	CS-1L: KCL	Gal	5	\$	175.00
CC 151	Mud Flush	Gal	1,000	\$	860.00
E 100	Pickup Mileage	Mi	30	\$	127.50
E 101	Heavy Equipment Mileage	Mi	60	\$	420.00
E 113	Bullt Delivery	tm	317	\$	506.40
CE 205	Cement Pump: 4,000 Feet To 5,000 Feet	Job	1	\$	2,520.00
CE 240	Blending and Mixing Service	St	250	\$	350.00
CE 504	Plug Container	Job	1	\$	250.00
5003	Service Supervisor	Job	1	\$	175.00

SUB TOTAL
DLS \$ 8,861.58

CHEMICAL / ACID DATA:			

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

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

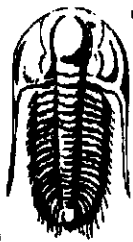
FIELD SERVICE ORDER NO. _____

Customer Strata Exploration, Incorporated	Lease No. Unruh	Well # 1-33	Date 10-17-10
Field Order # 2935	Station Pratt, Kansas	Casing 5/8 15.5 LB	Depth 4,805
Type Job C.N.W. - Longstring	Formation	County Kiowa	State Kansas
		Legal Description 23-2TS-18W	

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 5/8 15.5 LB/ft	Tubing Size 5/8 15.5 LB/ft	Shots/Ft	200 sacks	50/50 Poz	with	RATE	PRESS
Depth 4,805 Feet	Depth	From	To	58 FT	322, 58 KC	Max	5 Min.
Volume 114.4 Bbl.	Volume	From	To	14.4L	6.7 Gal, 5.36	Min	10 Min.
Max Press 500 PSI	Max Press	From	To			Avg	15 Min.
Well Connection Plug Container	Annulus Vol.	From	To	50 sacks	60/40 Poz to plug Rat	HHP Used	Annulus Pressure
Plug Depth 4,805 Feet	Packer Depth	From	To	Flush	114.5 Bbl. 28 KC	Gas Volume	Total Load

Customer Representative George Paine	Station Manager David Scott	Treater Clarence R. Messich
Service Units 19,866	19,903	19,905
Driver Names Messich	Mattal	Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30					Trucks on location and hold safety meeting.
9:20					Sterling Drilling start to run Auto Fill Guide Shoe and 113 Joints new 15.5LB/ casing. A Basket was installed above collars #4 and #14. A Turbolizer was installed on collars #109, 111, 115, 1, 3, 6, 7, 12, 16, 20, 24 and #28.
1:00					Casing in well. Circulate for 1 Hour.
2:02	300			6	Start 5 Bbl. Fresh water.
	2,000				Stop pumping. Pressure test. Release pressure Pump 1 Bbl. and Flush. Release Bottom plug.
			5	5	Pump 1 Bbl. mud Flush.
			6	6	Put Top Rubber Plug into Plug Container.
2:14	300		29	5	Pump 23 Bbl. Mud Flush.
	-0-		73		Start mixing 200 sacks 50/50 Poz cement.
2:24	150			6.5	Stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
				5	Start 28 KC Displacement.
2:42	700		114.5		Start to lift cement.
	1,500				Plug down.
	-0-		7.5	3	Pressure up.
3:15					Release pressure. Float Shoe held.
					Plug Rat and Mouse holes.
					Wash up pump truck.
					Job Complete.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration Inc.

Unruh#1-33

P.O.Box 401
Fairfield IL 62837

33-27s-18w Kiowa Ks.

Job Ticket: 38821

DST#: 1

ATTN: Jon Christensen

Test Start: 2010.10.13 @ 03:47:24

GENERAL INFORMATION:

Formation: **Lans. A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:29:24

Time Test Ended: 12:22:39

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4206.00 ft (KB) To 4226.00 ft (KB) (TVD)**

Reference Elevations: 2224.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167

Inside

Press@RunDepth: 41.24 psig @ 4207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.13

End Date: 2010.10.13

Last Calib.: 2010.10.13

Start Time: 03:47:29

End Time: 12:22:39

Time On Btm: 2010.10.13 @ 06:25:39

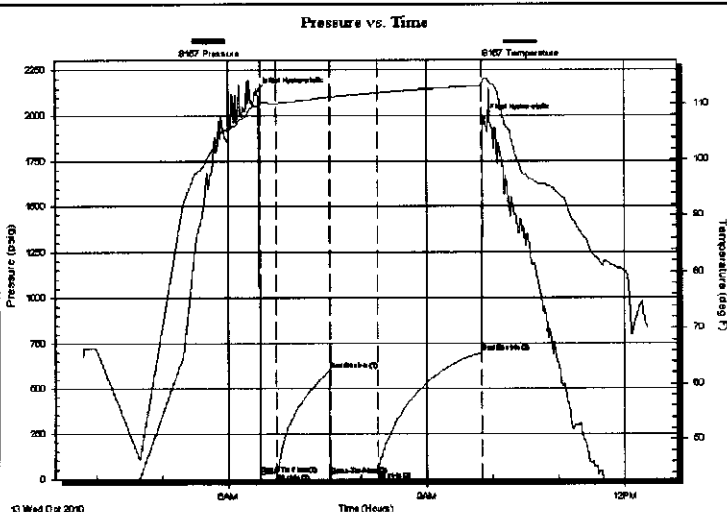
Time Off Btm: 2010.10.13 @ 09:52:09

TEST COMMENT: IF: Strong blow . B.O.B. in 1 second. GTS in 6.5 mins. (see gas flow report)

ISI: Weak blow .

FF: Strong blow . (see gas flow report)

FSI: Strong blow . B.O.B.



PRESSURE SUMMARY

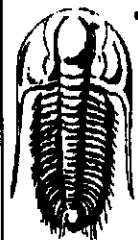
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.62	109.61	Initial Hydro-static
4	24.00	109.92	Open To Flow (1)
19	34.00	110.02	Shut-In(1)
67	601.09	111.18	End Shut-In(1)
67	21.78	111.16	Open To Flow (2)
110	41.24	111.93	Shut-In(2)
205	701.70	113.25	End Shut-In(2)
207	1985.04	114.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig.mud	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	4.00	29.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

Unruh#1-33

P.O.Box 401
Fairfield IL62837

33-27s-18w Kiowa Ks.

Job Ticket: 38821

DST#: 1

ATTN: Jon Christensen

Test Start: 2010.10.13 @ 03:47:24

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 9.59 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drig.mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

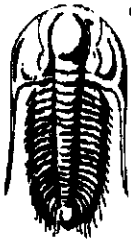
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration Inc.

Unruh#1-33

P.O.Box 401
Fairfield IL 62837

33-27s-18w Kiowa Ks.

Job Ticket: 38821

DST#: 1

ATTN: Jon Christensen

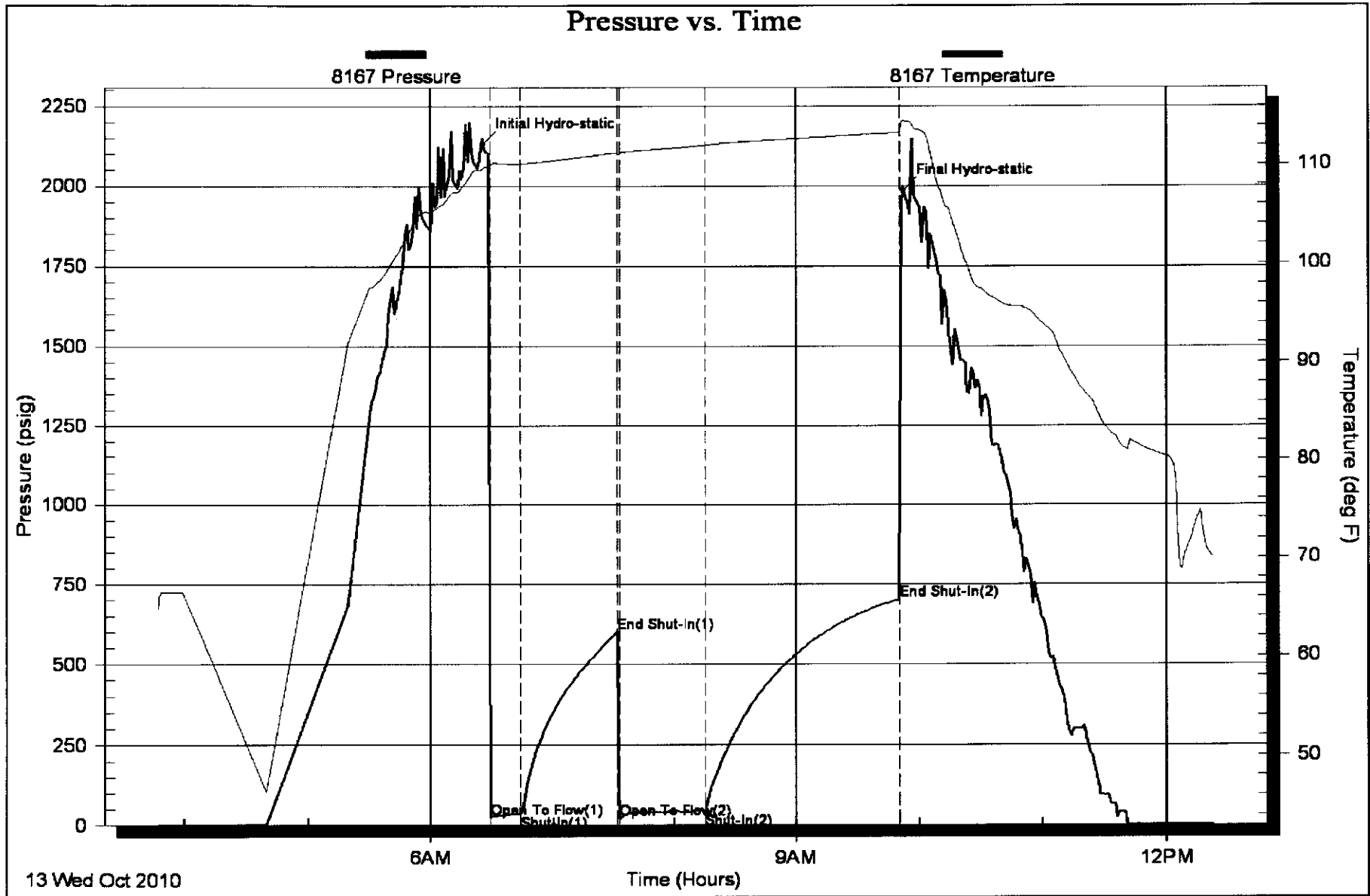
Test Start: 2010.10.13 @ 03:47:24

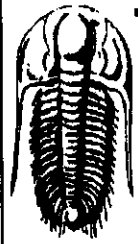
Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.25	2.00	26.02
1	15	0.25	2.00	26.02
2	10	0.25	4.00	29.19
2	20	0.25	2.00	26.02
2	30	0.25	2.00	26.02
2	40	0.25	1.00	24.43
2	45	0.25	1.00	24.43





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc.

Unruh#1-33

P.O.Box 401
Fairfield IL62837

33-27s-18w Kiowa Ks.

Job Ticket: 38822

DST#: 2

ATTN: Jon Christensen

Test Start: 2010.10.14 @ 14:25:42

GENERAL INFORMATION:

Formation: **Lans I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:03:42

Time Test Ended: 00:47:57

Test Type: Conventional Straddle

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4402.00 ft (KB) To 4423.00 ft (KB) (TVD)**

Reference Elevations: 2224.00 ft (KB)

Total Depth: 4479.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167

Inside

Press@RunDepth: 59.09 psig @ 4403.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.14

End Date:

2010.10.15

Last Calib.:

2010.10.15

Start Time: 14:25:47

End Time:

00:47:57

Time On Btm:

2010.10.14 @ 18:01:42

Time Off Btm:

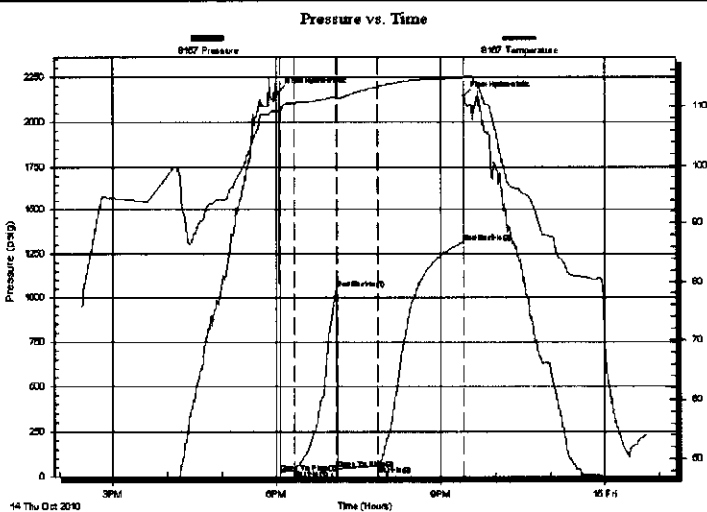
2010.10.14 @ 21:25:11

TEST COMMENT: IF:Weak to fair blow . Increase to 9".

IS:No blow .

FF:Strong blow . B.O.B. in 9 mins.

FSI:No blow .



PRESSURE SUMMARY

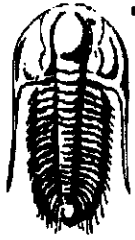
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.85	109.21	Initial Hydro-static
2	23.11	108.65	Open To Flow (1)
18	35.27	110.55	Shut-In(1)
64	1053.77	111.62	End Shut-In(1)
65	41.95	111.37	Open To Flow (2)
109	59.09	113.26	Shut-In(2)
203	1314.02	114.70	End Shut-In(2)
204	2143.14	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	GOCWM 25%g 22%o 24%w 29%m	0.47
0.00	RW .27 ohms@ 59 deg.	0.00
0.00	210 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc.

Unruh#1-33

P.O.Box 401
Fairfield IL62837

33-27s-18w Kiowa Ks.

Job Ticket: 38822 **DST#: 2**

ATTN: Jon Christensen

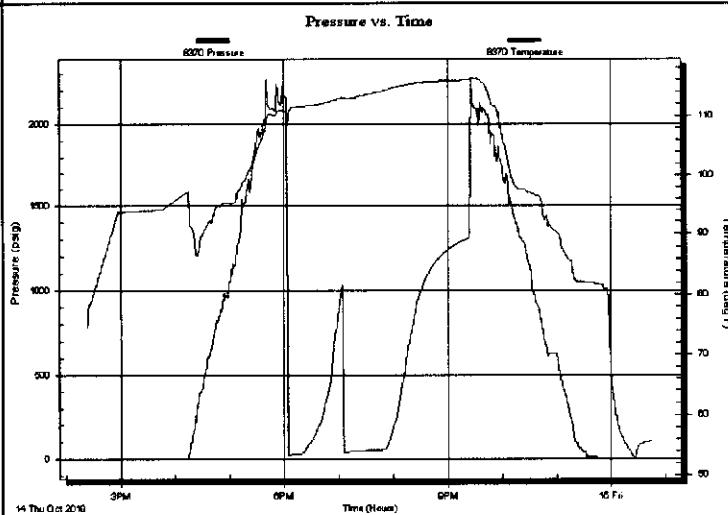
Test Start: 2010.10.14 @ 14:25:42

GENERAL INFORMATION:

Formation: Lans I	Test Type: Conventional Straddle
Deviated: No Whipstock: ft (KB)	Tester: Gary Pevoteaux
Time Tool Opened: 18:03:42	Unit No: 39
Time Test Ended: 00:47:57	Reference Elevations: 2224.00 ft (KB)
Interval: 4402.00 ft (KB) To 4423.00 ft (KB) (TVD)	2213.00 ft (CF)
Total Depth: 4479.00 ft (KB) (TVD)	KB to GR/CF: 11.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 8370	Outside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 4403.00 ft (KB)	Start Date: 2010.10.14	Last Calib.: 2010.10.15
Start Time: 14:22:47	End Date: 2010.10.15	Time On Btm: 00:46:27
	End Time: 00:46:27	Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 9".
IS:No blow .
FF:Strong blow . B.O.B. in 9 mins.
FS:No blow .



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

Recovery		
Length (ft)	Description	Volume (bbl)
95.00	GOCWM 25%g 22%o 24%w 29%m	0.47
0.00	RW .27 ohms@ 59 deg.	0.00
0.00	210 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.

Unruh#1-33

P.O.Box 401
Fairfield IL62837

33-27s-18w Kiowa Ks.

Job Ticket: 38822

DST#: 2

ATTN: Jon Christensen

Test Start: 2010.10.14 @ 14:25:42

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 9.19 in³
Resistivity: 0.00 ohm.m
Salinity: 7400.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 32000 ppm

Recovery Information

Recovery Table

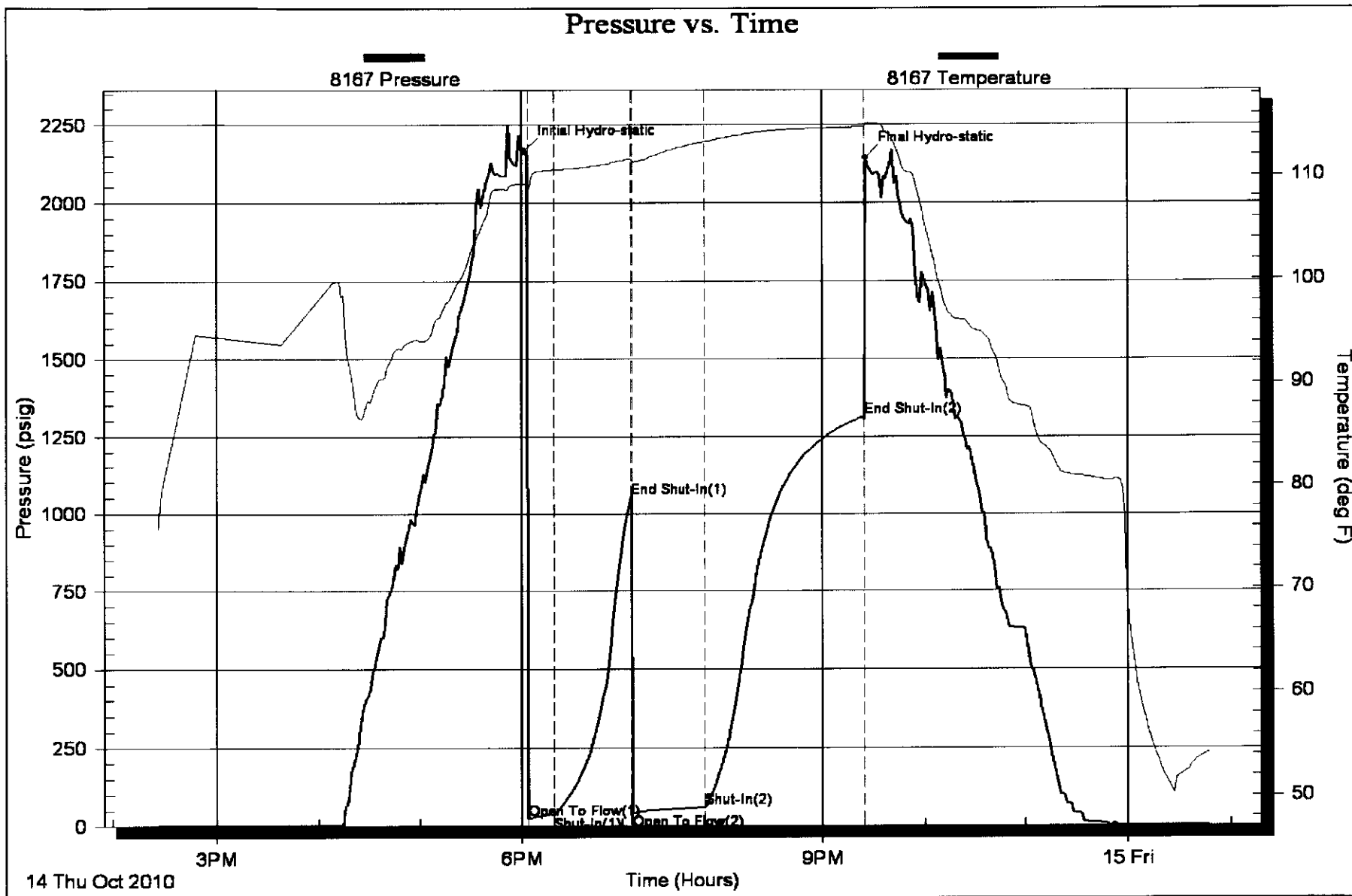
Length ft	Description	Volume bbl
95.00	GOCWM 25%g 22%o 24%w 29%m	0.467
0.00	RW .27 ohms@ 59 deg.	0.000
0.00	210 ft.of GIP	0.000

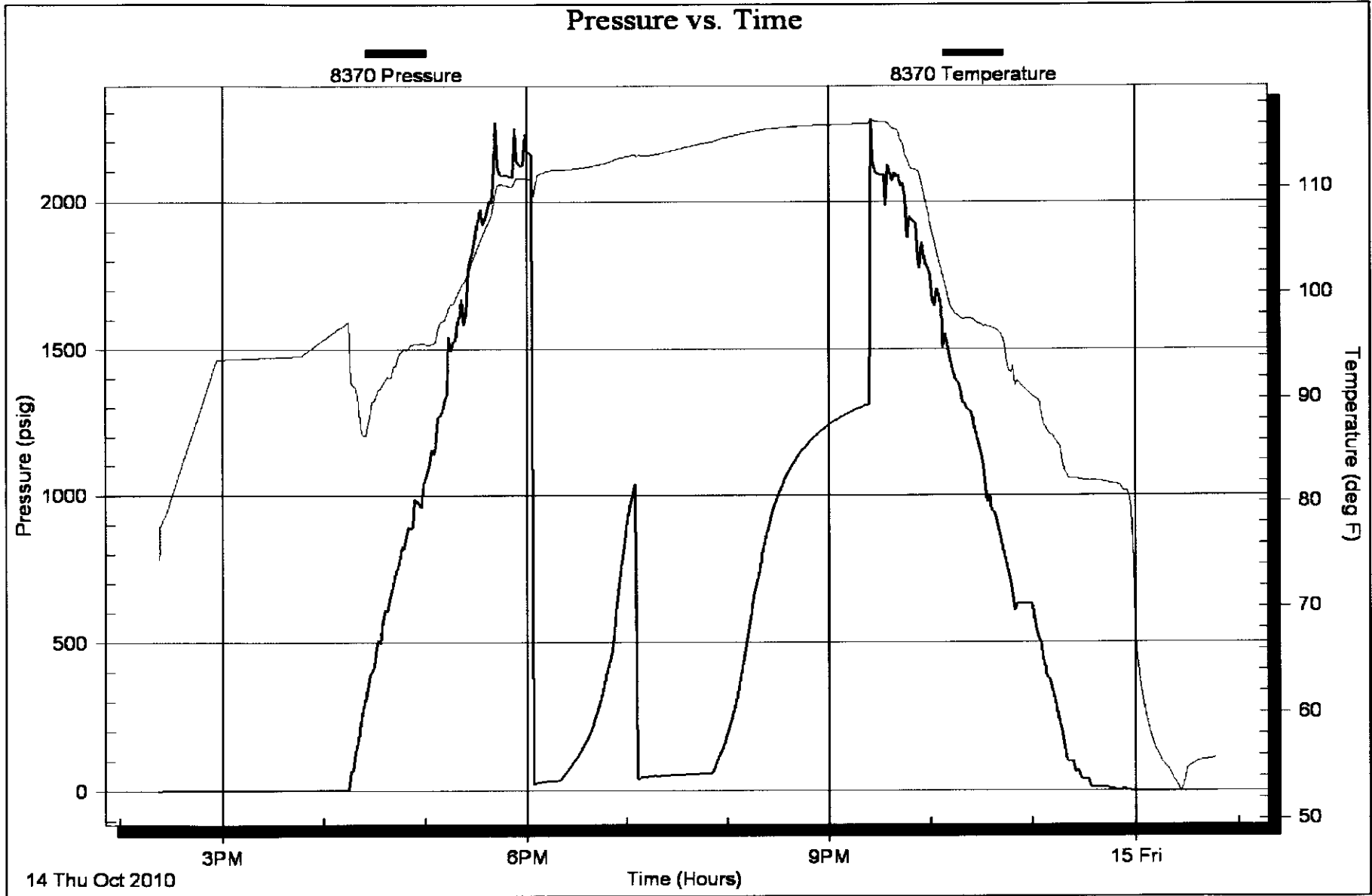
Total Length: 95.00 ft Total Volume: 0.467 bbl

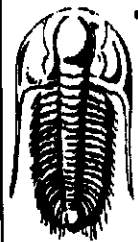
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration, Inc

Unruh # 1-33

P.O.Box 401
Fairfield, IL 62837

33-27s-18w Kiowa Co

Job Ticket: 039211

DST#: 3

ATTN: Jon Christensen

Test Start: 2010.10.16 @ 07:41:57

GENERAL INFORMATION:

Formation: **Mississippi Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:57

Time Test Ended: 17:16:57

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **4750.00 ft (KB) To 4806.00 ft (KB) (TVD)**

Reference Elevations: 2224.00 ft (KB)

Total Depth: 4806.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 81.05 psig @ 4755.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.16 End Date: 2010.10.16

Last Calib.: 2010.10.16

Start Time: 07:41:58 End Time: 17:16:57

Time On Btm: 2010.10.16 @ 10:39:57

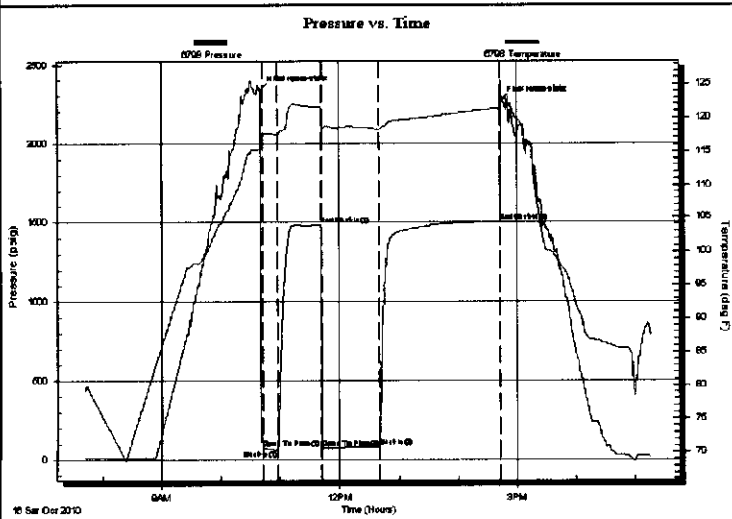
Time Off Btm: 2010.10.16 @ 14:44:27

TEST COMMENT: IF: Strong blow . B.O.B. in 30 secs. GTS in 14 mins. (see gas flow report.)

IS: No blow .

FF: Strong blow . B.O.B. immediately.

FS: Very weak surface blow .



PRESSURE SUMMARY

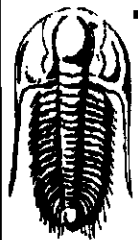
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2342.49	115.34	Initial Hydro-static
2	72.77	117.03	Open To Flow (1)
18	62.10	117.52	Shut-In(1)
61	1482.57	121.56	End Shut-In(1)
63	71.58	118.14	Open To Flow (2)
121	81.05	118.20	Shut-In(2)
243	1502.10	121.39	End Shut-In(2)
245	2271.80	123.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	SG&OCM 10%g 3%o 87% m	0.60
0.00	4632' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	42.04
Last Gas Rate			
Max. Gas Rate	0.25	28.00	67.42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration, Inc

Unruh # 1-33

P.O.Box 401
Fairfield, L 62837

33-27s-18w Kiowa Co

Job Ticket: 039211 **DST#: 3**

ATTN: Jon Christensen

Test Start: 2010.10.16 @ 07:41:57

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

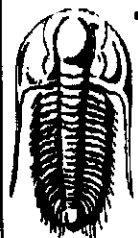
Length ft	Description	Volume bbl
123.00	SG&OCM 10%g 3%o 87%m	0.605
0.00	4632' GIP	0.000
0.00		0.000

Total Length: 123.00 ft Total Volume: 0.605 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: JA-1

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration, Inc

Unruh # 1-33

P.O.Box 401
Fairfield, IL 62837

33-27s-18w Kiowa Co

Job Ticket: 039211

DST#: 3

ATTN: Jon Christensen

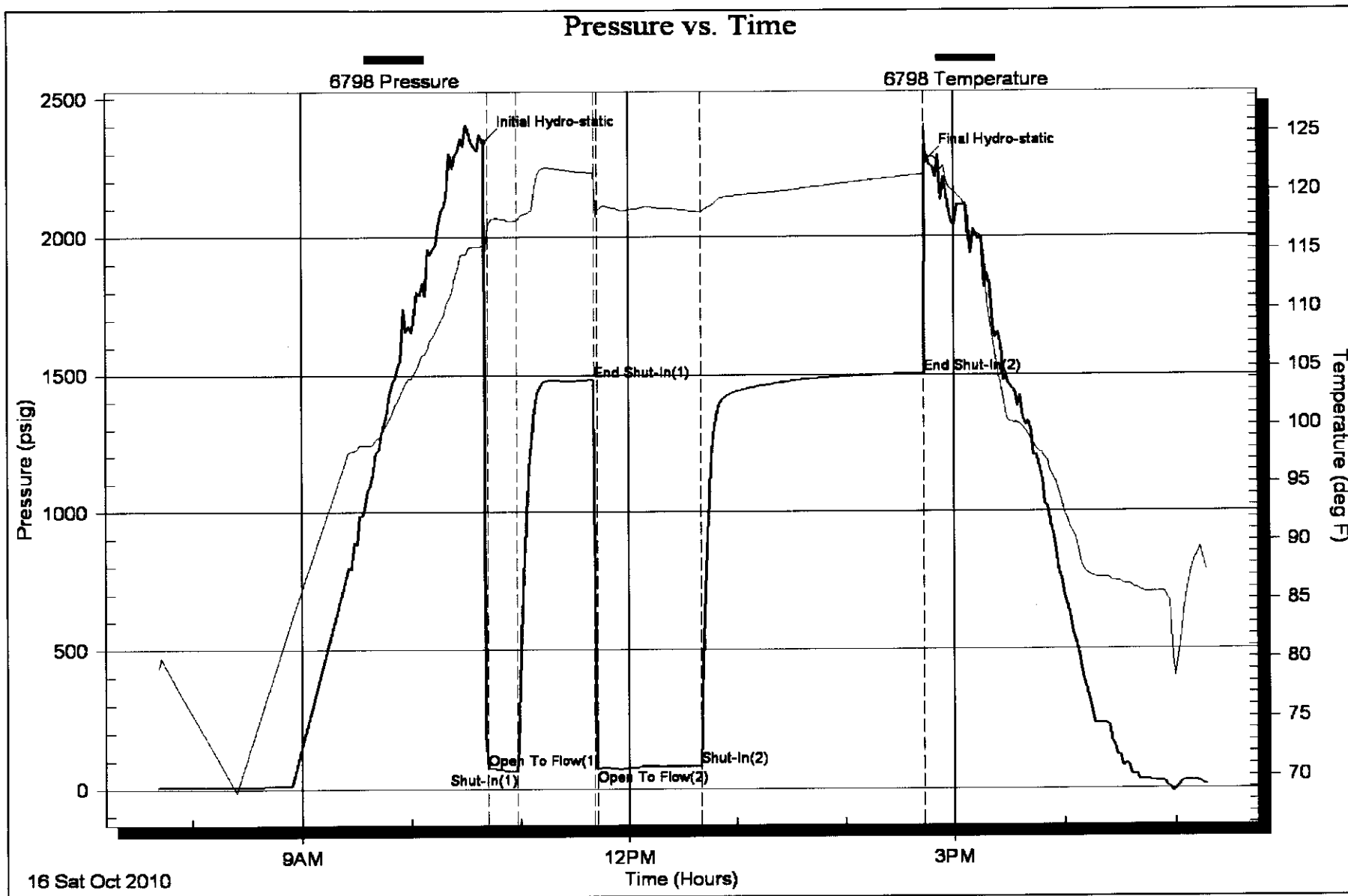
Test Start: 2010.10.16 @ 07:41:57

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.25	12.00	42.04
2	20	0.25	18.00	51.56
2	30	0.25	20.00	54.73
2	40	0.25	24.00	61.08
2	50	0.25	26.00	64.25
2	60	0.25	28.00	67.42
0	-	-999999.00	-999999.00	-999999.00



LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Unruh #1-33
Location: 2672' FSL & 335' FWL, Sec. 33-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21678-0000 Region: Greensburg SW
Spud Date: 10/5/2010 Drilling Completed:
Surface Coordinates: 2672' FSL & 335' FWL, Sec. 33-T27S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2213' K.B. Elevation (ft): 2224'
Logged Interval (ft): 3100' To: TD. Total Depth (ft):
Formation:
Type of Drilling Fluid: Freshwater/Gel to 3040'; Chemical Gel 3040' to TD.

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

OPERATOR

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

GEOLOGIST

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

Cores

None Taken

DSTs

DST #1(Lansing 'A') 4206' - 4226' Test Times 15"-45"-45"-90" IFP Strong blow BOB/ 1 second, GTS 6.5 Min, FFP GTS Throughout, Gauged Maximum 29.2 MCFG; BOB Blowback on FSI; REC: 70' Drilling Mud w/few gas bubbles, no oil shows; IFP 24-34#, ISIP 601#, FFP 22-41#, FSIP 702#, IHP 2130#, FHP 1985#, BHT 113 Deg. F.

DST #2(K.C. 'I' zone) 4402' - 4423' (Straddle Packer) Test Times 15"-45"-45"-90" IFP Weak Blow built to 9"; FFP Strong Blow BOB/9 Min., no Blowback on SI's; REC: 210' Gas in Pipe, 95' GOCWM(25%G, 22%O, 24%W, 29%M), CI 32,000 Mud 7400; IFP 23-35#, ISIP 1054#, FFP 42-59#, FSIP 1314#, IHP 2166#, FHP 2136#, BHT 115 Deg. F.(Straddle Packer held OK).

DST #3(Mississippi Chert) 4750' - 4806' Test Times

Comments

10/5/10 MIRU Sterling Drilling Co. Rig #2, Spud at 9:00 PM.; 10/6/10 Drilling at 476'; 10/7/10 TD. 525' - Repairs; 10/8/10 Drilling at 1485'; 10/9/10 Drilling at 2480'; 10/10/10 Drilling at 3140'; 10/11/10 TD. 3578' - TOH f/Hole in pipe; 10/12/10 Drilling at 3898'; 10/13/10 TD. 4226' - DST #1; 10/14/10 Drilling at 4475'; 10/15/10 Drilling at 4530'; 10/16/10 TD. 4806' - DST #3

Set 8 5/8" (23#) Surface Casing at 525' w/400 sx.(Basic Energy Services). Cement did Circulate. PD. 12:15 AM. 10/6/10.

Surveys: 0.75 Deg. at 525'(Surface Casing); 0.75 Deg. at 4226'(DST #1); 1.5 Deg. at 4470'(DST #2); Deg. at 4806'(DST #3)

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	Wackst
Ferr		Gastro	Mrst	
Glau		Oolite		

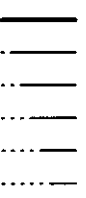
OTHER SYMBOLS

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

ROP (min/ft)
Gamma (API)



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



Depth

Porosity Type

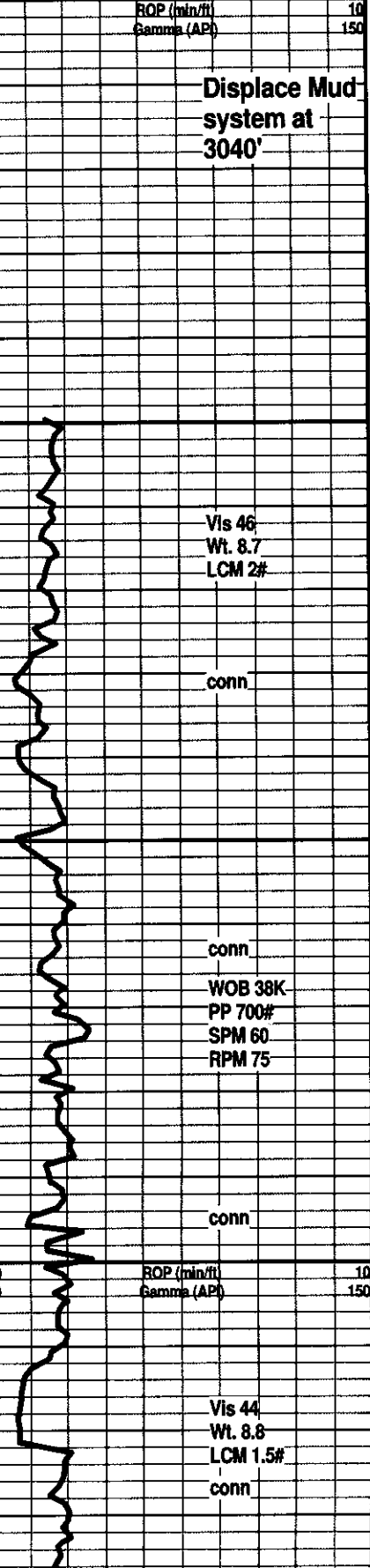
Lithology

Oil Shows

Geological Descriptions

ROP (min/ft)
Gamma (API)

Displace Mud system at 3040'



Vis 46
Wt. 8.7
LCM 2#

conn

conn

WOB 38K
PP 700#
SPM 60
RPM 75

conn

ROP (min/ft)
Gamma (API)

Vis 44
Wt. 8.8
LCM 1.5#

conn

STRATA EXPLORATION, INC.

#1-33 UNRUH

GEOLOGICAL REPORT

KB. 2224'

10' Wet and Dry Samples start at 3100'

LM; off wh, tan, fxln to dense, minor soft chalky mtx, lt yel min fluor, no stn or odor, ns.

LM; lt brn, off wh, foss ip, most well cem, interbdd fxln to sucrosic text, fair interxln/interpart por, no stn or odor, no gas kick, n.s

LM; off wh, tan, cream, finely pelletal to foss, fair interpart por, occ soft chalky mtx, no stn, lt yel min fluor only, ns.

LM; lt to med gy, gy brn, hd, micritic, tite

LM; lt to med brn, hd, blocky, trc gy cht, tite

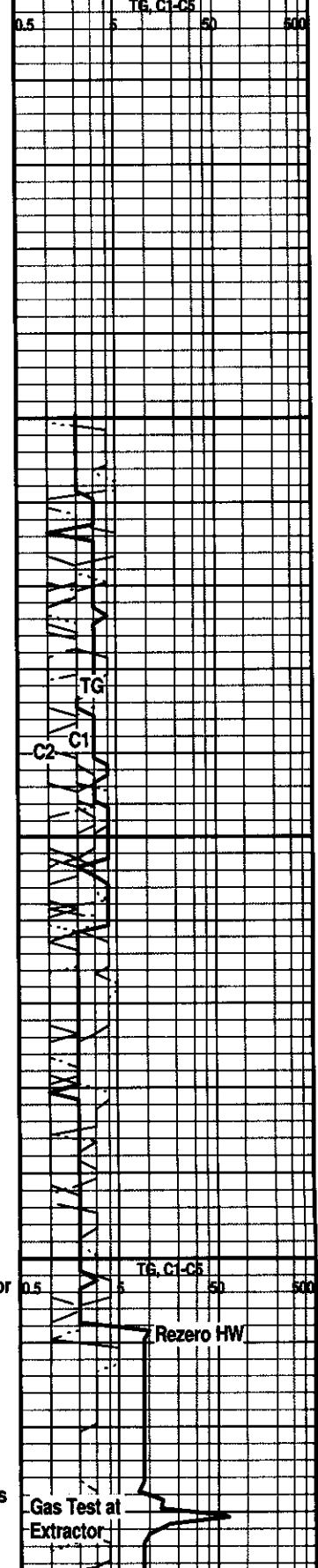
SH; gm, gy grn, soft, fiss

LM; off wh, tan, lt brn, med to cse xln, scat cse spar calc xtals, most well cem, lt yel min fluor only, no stn or odor, ns.

SH; lt to med gy, soft, silty ip.

LM; lt to med brn, occ gy brn, dense, blocky, hd, no vis por, ns.

TG, C1-C5

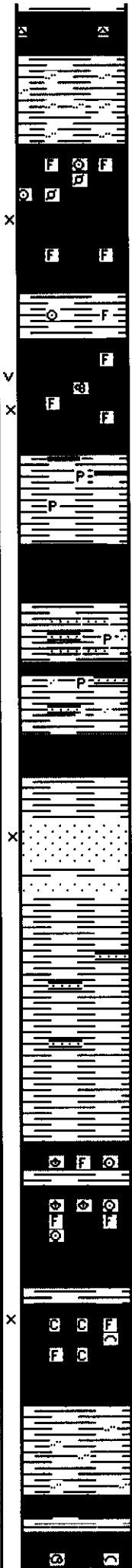
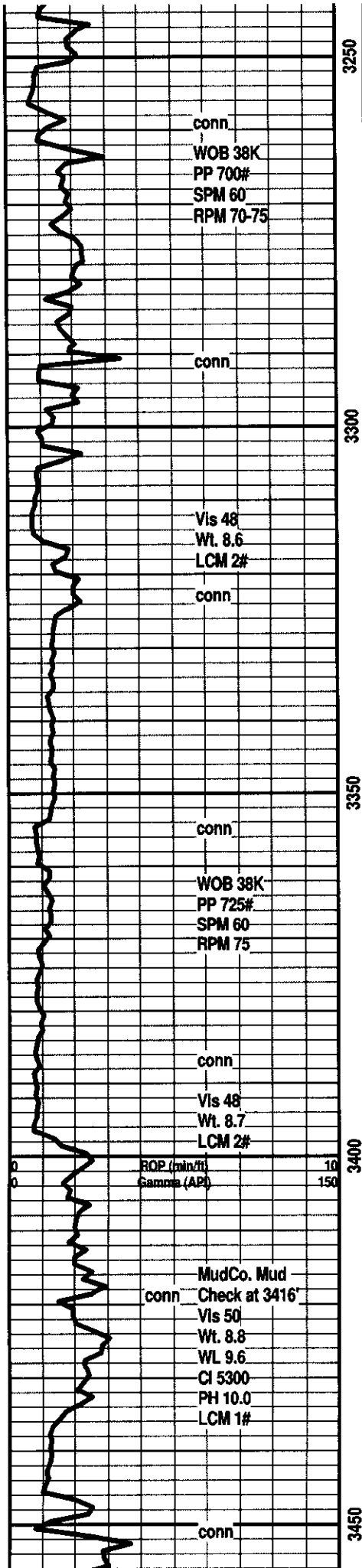


TG
C2
C1

TG, C1-C5

Rezero HW

Gas Test at Extractor



LM; med brn, mottled, dense, rare tan cht, tite

SH; med gy to gm, silty lp, soft, platy

WABAUNSEE 3262(-1038)

LM; wh, off wh, hd, foss lp w/crin and small foss pellets, occ poor interpart por - most well cem, dull yel min fluor only, no stn or odor, ns.

SH; med gy, firm, foss lp.

LM; tan to lt brn, fxl, scat foss mat incl. fusulinids, scat fair interpart and small vug por, dull yel min fluor, no stn or odor, ns.

SH; med to dk gy, trc blk, carb lp, most fiss, soft, occ pyr

LM; tan to lt brn, hd, micritic, tite

SH; lt to med gy, firm, interbdd strngs of vf gr qtz ss and sltst, no clean ss developed, some shaly ss also, minor disse pyr, no gas kick

SLTST; lt gy, soft, mica lp, platy

SS; clr to lt gy, most f gr qtz, clusters, mica lp, most w/gd intergran por, subrnd to subang gr, occ "salt and pepper" grains, no fluor, no stn or odor, no gas kick, ns.

SH; lt to med gr, firm, interbdd thin vf gr ss strngs

STOTLER 3398(-1174)

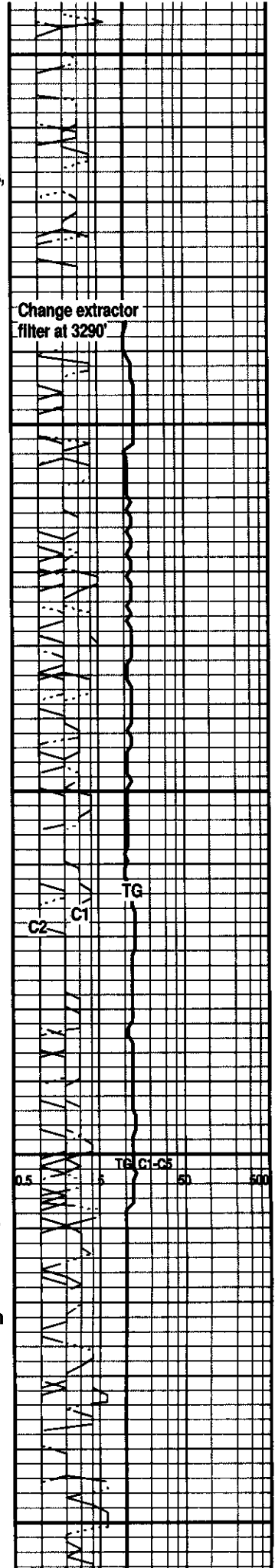
LM; med gy to med gy brn, hd, micritic, occ well cem foss mat, no fluor, ns.

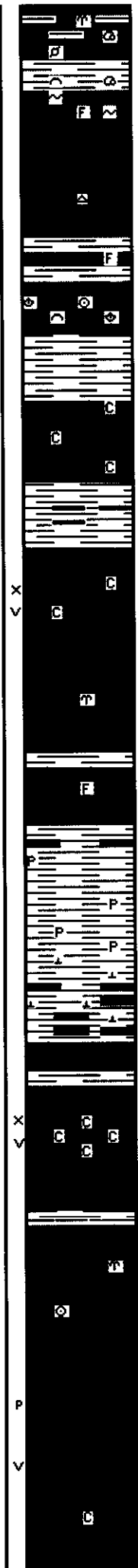
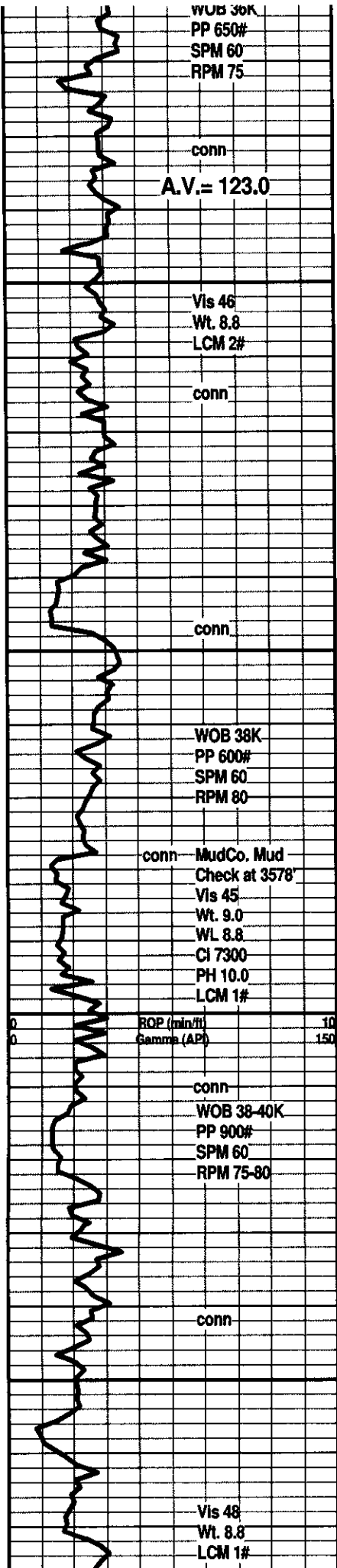
LM; tan to buff, lt brn, v. foss, abnt well cem foss hash, dull yel min fluor, no stn or odor, ns.

LM; lt brn, occ lt gy brn, most hd, blocky, scat well cem foss, interbdd tan to buff fxl lmst, poor vis Interxln por, minor soft chalky mtz, no stn or odor, ns.

SH; lt gy, soft, platy, occ silty

LM; off wh, tan, lt brn, fxl to dense, micritic lp, no vis por, scat well cem foss mat, no fluor, no stn, ns.





LM; med gy to gy brn, hd, blocky, interbdd dense shaly foss lmst, no vis por, no fluor, ns.

LM; tan to buff, lt brn, micritic, blocky, occ grn clay(glau?)incl, no vis por, no fluor, ns.

LM; tan to cream, lt gy, most dense, some hd-sharp, no vis por, trc lt gy cht, tite

LM; med to dk brn, occ well cem foss mat, most micritic, tite

SH; med gy, firm, platy, lmy ip.

LM; off wh, wh, fxln to occ chalky, well cem, dull to lt yel mln fluor, no vis por, no stn or odor, ns.

SH; dk gy, rare blk, fiss to flakey

LM; off wh, wh, tan, fine to med xln, gd interxln w/some vug por, rare chalky mtx, occ cse spar calc xtals, lt yel mln flour, no stn or odor, no gas kick, ns.

LM; off wh, cream, buff, tan, most micritic, no vis por, rare foss mat, no fluor, no stn or odor, ns.

NOTE: Trip out of hole at 3578' - hole in the drillpipe

SH; med to dk gy, fiss, occ pyr

SH; med gy, gy brn, calc, interbdd hd shaly lmst stngs

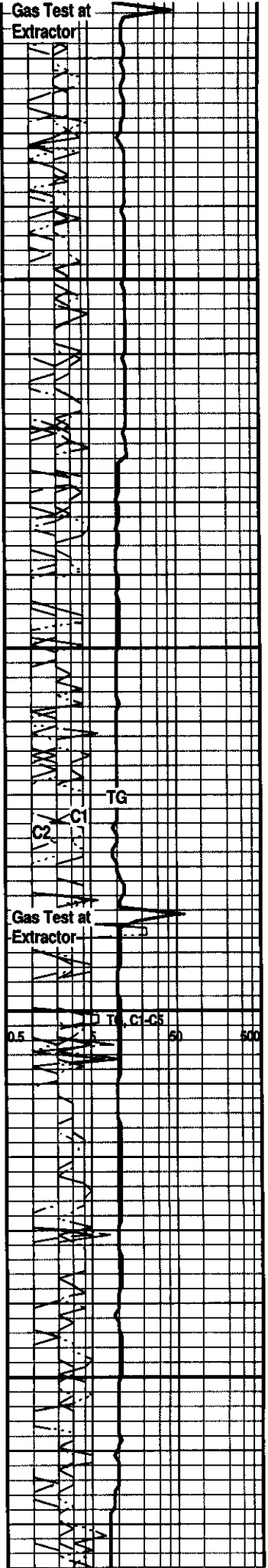
HOWARD 3604(-1380)

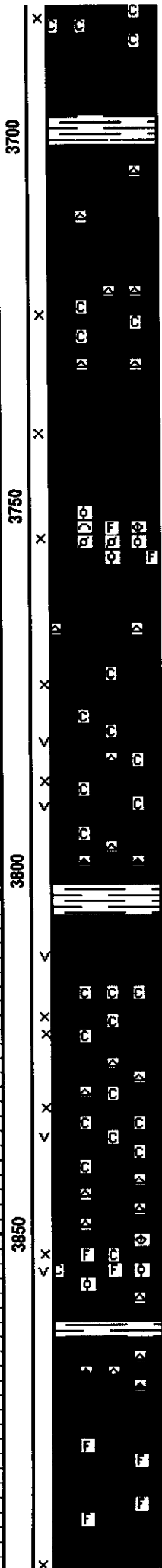
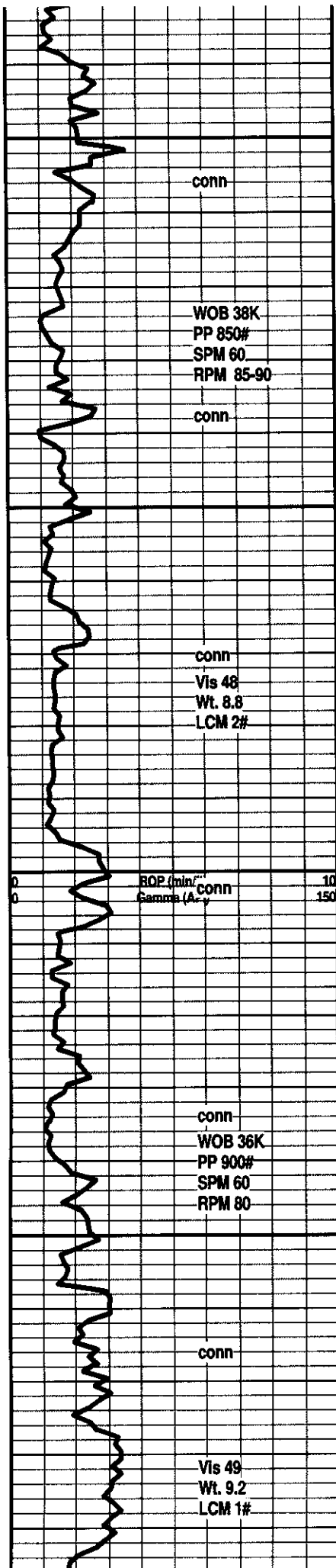
LM; tan to cream, buff, fxln, some sucrosic text, blocky, dense, no fluor, ns.

LM; off wh, cream, buff, fine to med xln, fair to gd interxln por, occ vug por, scat cse opaque spar calc xtals, minor chalky mtx, dull yel mln fluor only, no stn or odor, no gas kick, ns.

LM; off wh, tan, cream, fxln to micritic, most blocky, scat poor interxln por, dull yel mln fluor only, no stn, ns.

LM; tan to lt brn, fxln, scat fair to gd p-p and vug por, poor interconn of por, dull yel mln fluor, no stn or odor, ns.





LM, tan to cream, off wh, fine to med xln, fair interxn por, minor chalky mtz, no fluor, no stn, ns.

SH; dk gy, fiss
TOPEKA 3701(-1477)

LM; med brn, hd, most blocky, rare brn cht, no vis por, ns.

LM; off wh, tan, lt brn, most fxdn w/scat sucrosic text, occ soft chalky mtz, fair interxn por, interbdd wh fresh cht, dull yel min fluor only, no stn, ns.

LM; tan to buff, lt brn, fxdn, minor sucrosic text, fair to gd interxn por, barren, no stn or odor, no gas kick, ns.

LM; off wh, tan, buff, foss to finely pelletal, gd interpart por, dull yel min fluor only, no stn or odor, ns.

LM; tan to cream, buff, fxdn, fair interxn por, interbdd soft chalky lmst, rare wh fresh cht, no fluor, no stn, ns.

LM; tan to off wh, gran to cse xln, scat spar calc xtals, scat vug por, chalky soft mtz lp, no fluor, ns, few pcs. of dk brn to dk gy cht

SH; med gy to gy gm, firm

LM; tan to lt brn, fxdn, scat well dev. vug por in some, most appears tite, dull yel min fluor, no stn or odor, no gas kick, ns.

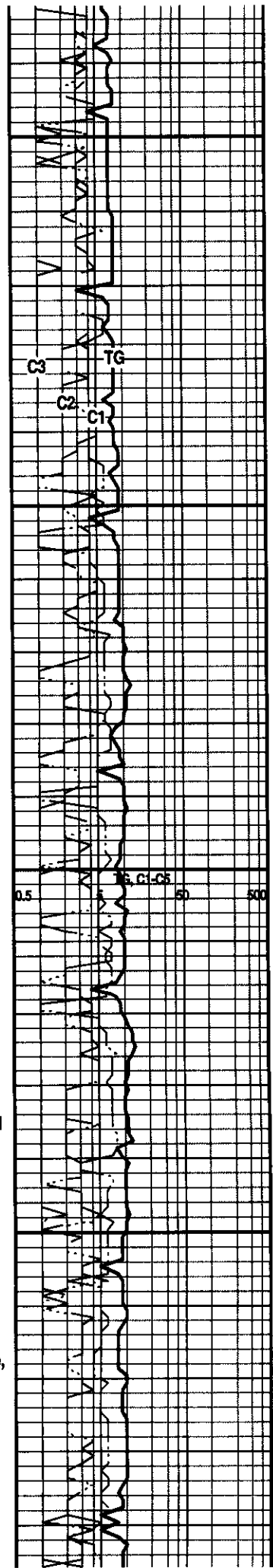
LM; tan to lt brn, most med xln to gran text, some well dev, interxn and occ vug por, occ chalky mtz, interbdd gy to tan cht, no fluor, ns.

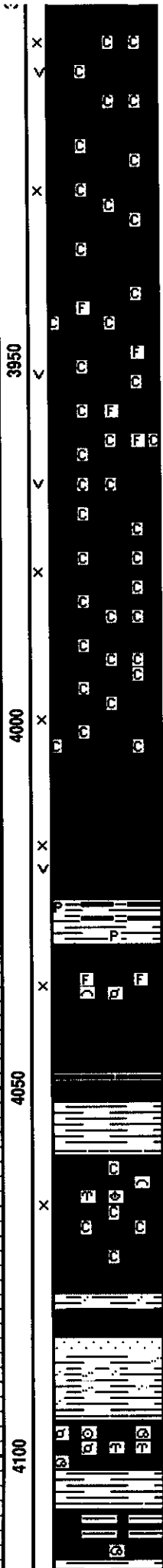
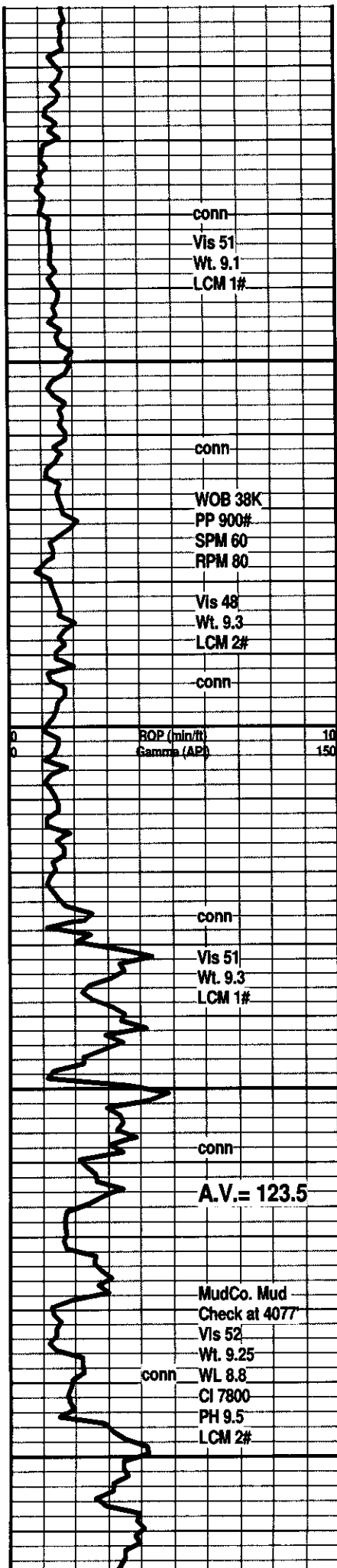
LM; tan to off wh, buff, f to med xln, fair interxn and occ vug por, interbdd foss lmst, chalky lp, no stn or odor, ns.

SH; gm, gy gm, fiss

LM; lt to med brn, hd, blocky, scat gm to gy cht, dense, no vis por, dull yel min fluor, ns.

LM; tan to buff, lt brn, most dense, micritic, rare well cem foss, tite





LM; tan to buff, off wh, med xln, fair Interxln por, much soft chalky mtx, dull yel min fluor, Interbdd cse spar calc xtals, no stn or odor, ns.

LM; tan to buff, off wh, f to med xln, some gd Interxln and occ vug por, abnt soft chalk and chalky mtx, scat foss mat, dull yel min fluor only, no stn or odor, ns.

LM; tan to buff, lt brn, off wh, med xln to occ gran, chalky mtx, soft, interbdd dense tite lmst strks, no stn or odor, ns.

LM; tan to lt brn, buff, fxln to occ sucrosic text, fair Interxln por, abnt soft chalky mtx, dull yel min fluor, no stn or odor, ns.

DOL; tan to lt brn, buff, sucrosic to finely rhombic, fair Interxln w/occ vug por, lt yel min fluor only, no stn or odor, ns.

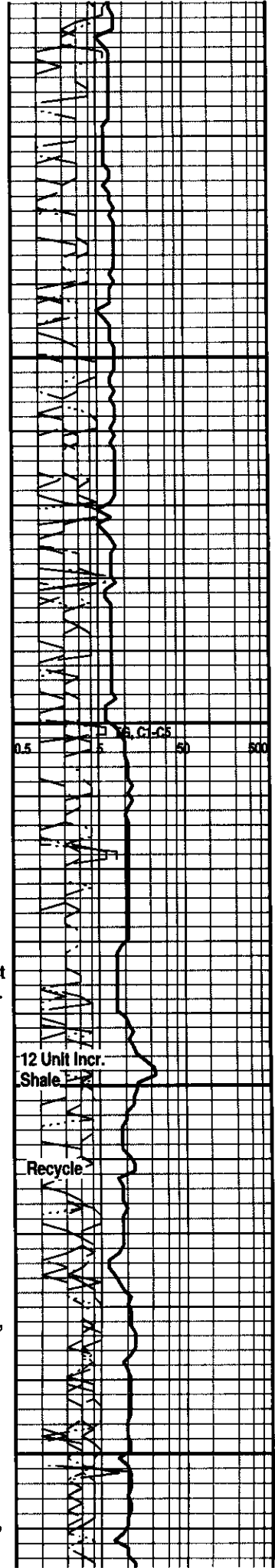
SH; dk gy, trc blk, platy, rare pyr

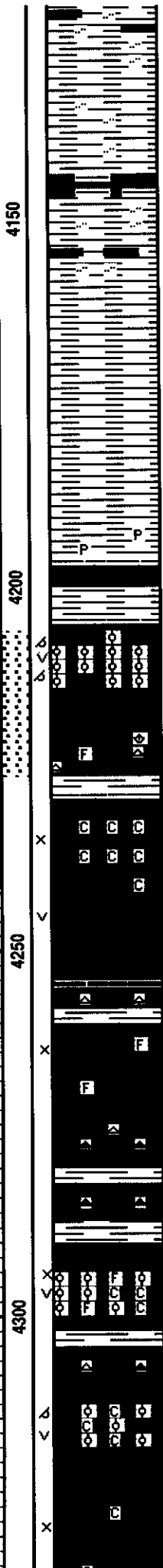
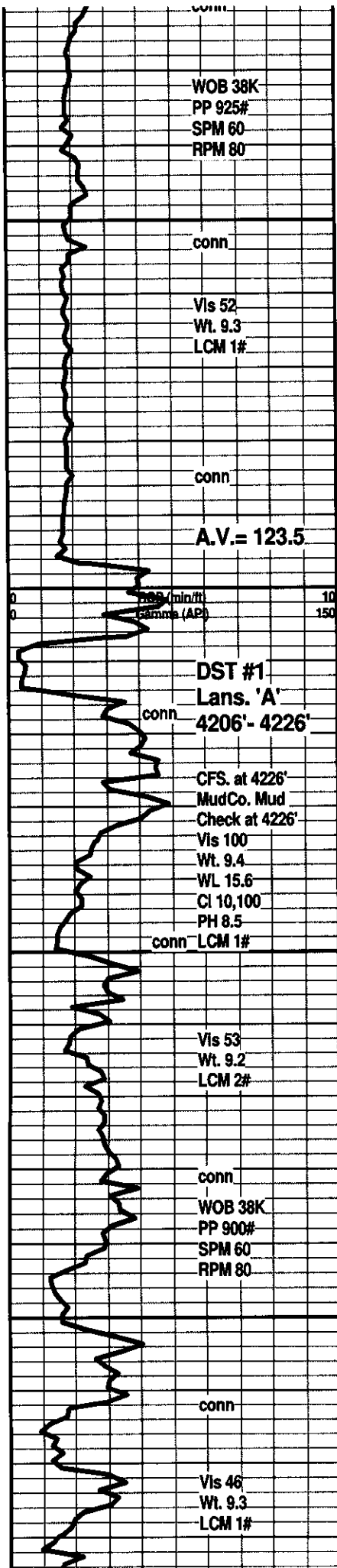
LM; lt to med brn, v. hd, micritic, tite, interbdd foss lmst w/poor to fair Interpart por, no fluor, no stn or odor, ns.

HEEBNER SHALE 4045(-1821)
SH; blk, carb lp, soft to blocky, trc gas bubbles
LM; med brn, dense, foss lp, tite

TORONTO 4059(-1835)
LM; off wh, tan, buff, fxln, scat foss mat, poor to fair Interxln/Interpart por, chalky mtx lp, dull yel min fluor, ns.
LM; tan to cream, fxln, poor to fair Interxln por, chalky-soft lp, no fluor, n.s

DOUGLAS SHALE 4078(-1854)
SLTST; lt gy, soft, sandy, interbdd vf gr qtz ss clusters, mica lp, soft
SH; lt gy, silty to sandy, soft
LM; lt to med brn, v. foss, hd, well cem, no vis por, no fluor, no stn or odor, ns.
LM; med gy to gy brn, shaly lp, scat well cem foss mat, hd, no fluor, ns.





qz ss

SH; lt gy, soft, flss, occ silty

SH; pred lt gy, platy, silty, interbdd hd shaly lmst strngs.

SH; med gy, firm, smooth

SH; med to dk gy, thinly bdd, pyr lp.

BROWN LMST. 4197(-1973)

LM; med to dk brn, hd, micritic, lite

LANSING 'A' 4205(-1981)

LM; lt to med brn, oolitic, med to lrg molds, gd oomoldic por, some rextalized, occ solution vug por also, most w/med yel fluor, faint gas odor, gas bubbles, few pcs. w/spotted lt oil stn and trc. F.O., poor to no cut, mostly gas show

LM; lt to med brn, dense, foss lp, occ cherty, ns.

LM; off wh to lt gy, fine to med xln, chalky mtx, poor to fair vis interxln por, no stn or odor, ns.

LM; tan to off wh, buff, med xln w/vug por, dull/lt yel min fluor, no stn or odor, no gas kick, ns.

SH; v. dk gy to blk, flss

LM; tan to lt brn, fxln, some mottled text, rare foss mat, fair interxln por, few pcs. w/dk brn hvy dead oil stn, no odor, no live show, no gas kick

LM; tan to lt brn, off wh, most dense, blocky, interbdd gy to smoky cht, no vis por, dull yel min fluor only, ns.

LM; med brn, dense, occ cherty, lite

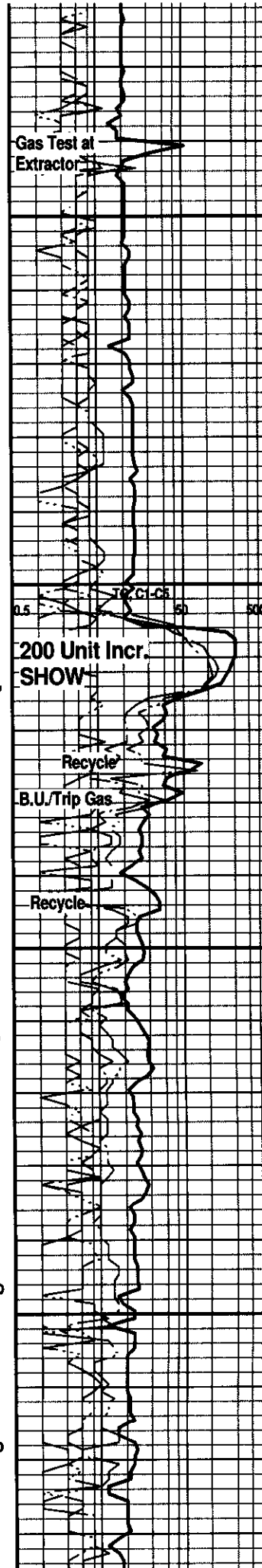
SH; med gy to gm, flss

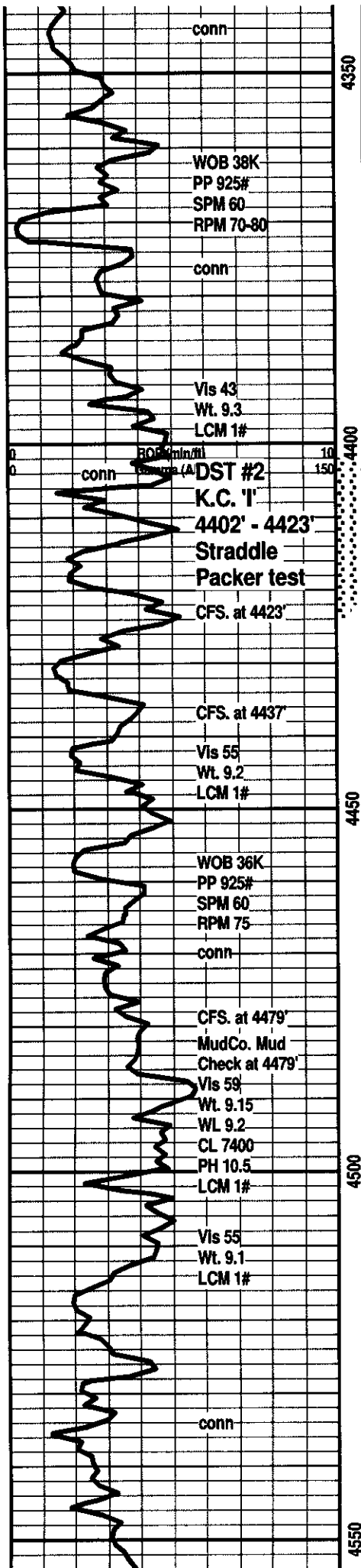
LM; off wh, tan, foss to finely oolitic, scat gd vug and interpart por, minor chalky mtx, lt yel min fluor only, no stn or odor, ns.

LANSING 'G' POROSITY 4312(-2088)

LM; off wh, tan to cream, oolitic, fair oomoldic and oolcastic por, occ vugs, scat dull to lt yel min fluor, no stn or odor, chalky mtx ip, ns.

LM; wh to off wh, fxln, fair to poor interxln por, much





Aldis, 115.

SH; dk gy, trc blk, flss
LM; off wh, tan, foss, fair interpart/p-p por, lt yel min fluor only, no stn or odor, ns.

LANSING/KC. 'H' 4364(-2140)
LM; tan to lt brn, buff, oolitic, most small to occ med size moldic por, brittle lp, occ vug por, dull yel min fluor only, no stn or odor, barren, ns.

SH; dk gy, firm, smooth, platy
LM; off wh, tan, med xln to gran, fair interxln w/occ vug por, scat v. spotted lt brn oil stn, gd odor when crushed, lt to med yel fluor, no F.O., some chalky mtx, very little sample with show, fair cut

LM; med brn, hd, cherty lp, trc lt gy oolitic lmst

K.C. 'I' 4412(-2188)
LM; tan to lt brn, v. foss-abnt small foss pellets w/few oolites, fair to gd interpart por, sev. "clusters" w/spotted to even lt brn oil stn, fair/gd odor, med/brite yel fluor, few gas bubbles, SSFO, some tite/hd-well cem, gd cut, some barren por

LM; wh to off wh, scat foss hash, gd interpart w/some p-p por, chalky mtx, no stn or odor, no fluor, no gas kick

LM; tan to cream, buff, fxln, fair interxln and occ small vug por, no fluor, no stn or odor, ns.

SH; dk gy to blk, flss
K.C. DENNIS 'J' 4453(-2229)
LM; tan to cream, buff, off wh, fxln, scat foss mat, poor to fair interxln por, soft chalky mtx, no fluor, no stn or odor, no gas kick, ns.

LM; tan to buff, lt brn, foss lp, poor vis interpart por, scat chalk and chalky mtx, no fluor, no stn or odor, ns.

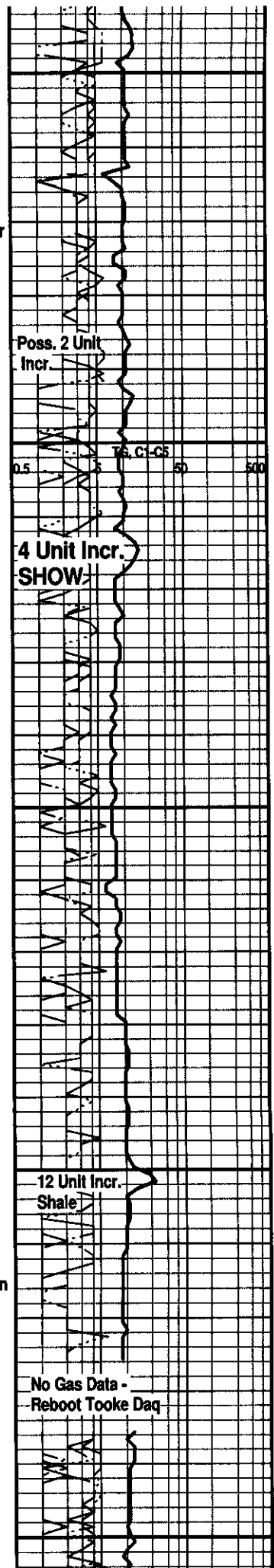
LM; lt to med brn, some gy brn, most dense, interbdd shaly tite lmst, scat wh to gy fresh cht, no fluor, ns.

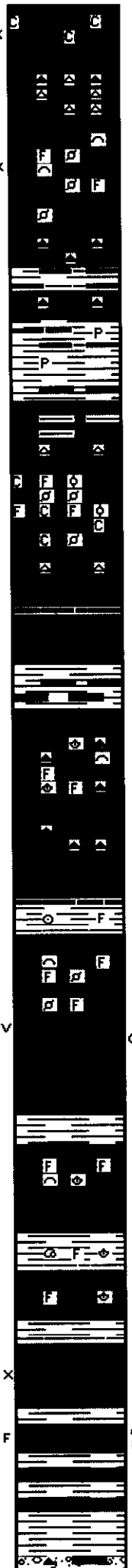
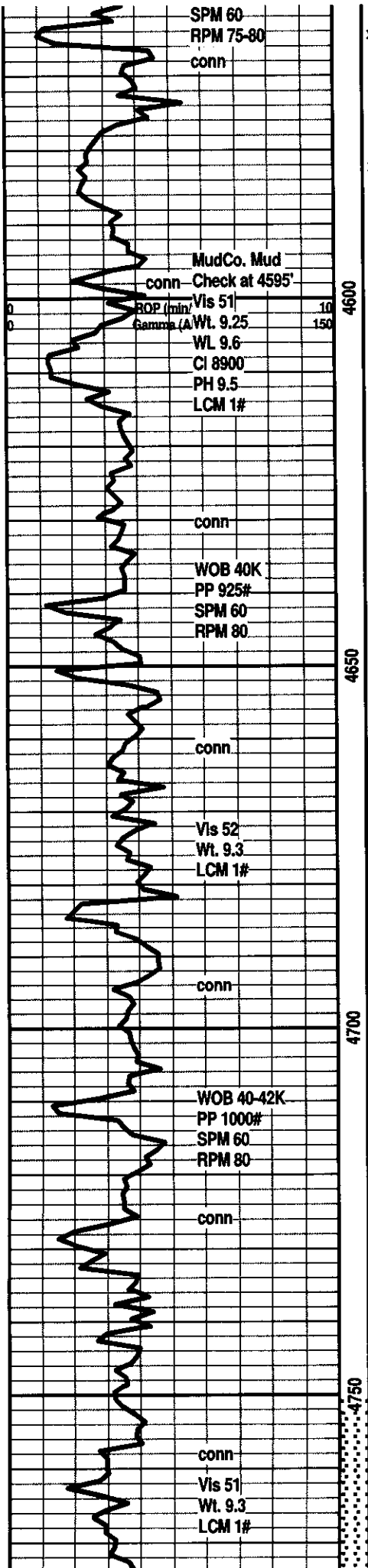
STARK SHALE 4500(-2276)
SH; blk, carb lp, pyr, brittle

SH; med to dk gy, calc, firm
SWOPE 4511(-2287)
LM; tan to buff, off wh, fxln to sucrosic text, fair interxln por, occ chalky, dull yel min fluor only, no stn or odor, no gas kick, ns

LM; off wh, tan, wh, foss, some med xln, much soft chalky mtx, fair interxln por, dull yel to no fluor, interbdd tan to wh cht, no stn or odor, ns.

LM; dk brn, v. hd, blocky, tite





LM; wh to off wh, fxln to partly sucrosic text, fair to gd interxln por, minor chalky mtz, med yel min fluor, no stn or odor, no gas kick, ns.

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

LM; lt brn, lt gy brn, mottled text, med xln w/scat foss mat, fairly soft, fair interxln por, dull yel fluor, no vis stn, no odor, ns.

BASE KANSAS CITY 4596(-2372)
SH; dk gy to blk, fiss
LM; dk brn, hd, blocky, scat dk gy/smoky cht

SH; med gy, gm, dk gy, soft, some flakey, pyr lp.

PLEASANTON 4614(-2390)
LM; tan to lt brn, most dense, interbdd grn shale and shaly lmst, hd, tite

LM; off wh, wh, tan, foss - finely oolitic to pelletal, most well cem, occ cse foss frags, scat chalky mtz, lt yel min fluor, no stn or odor, ns.

SH; dk gy to blk, fiss
MARMATON 4643(-2419)
LM; lt gm, pale gm, hd, micritic, tite

SH; dk gy to blk, fiss, blocky, interbdd shaly lmst.

LM; tan to cream, lt brn, foss lp, most well cem, blocky, interbdd dense lt brn micrite, scat amber cht, no vis por, no fluor, ns.

LM; tan to lt brn, buff, most dense, micritic, interbdd pale org to amber cht, no fluor, no stn or odor, ns.

SH; dk gy, blk, fiss, foss lp.
PAWNEE 4687(-2463)
LM; tan to lt brn, foss lp, most well cem, blocky, no vis por, scat lt yel min fluor only, no stn or odor, ns.

LM; med brn, dense, micritic, few pcs w/small vug por w/dk brn oil stn, rextalized, med yel fluor, poor interconn, no F.O., faint odor
SH; blk, fiss, carb lp, trc pyr

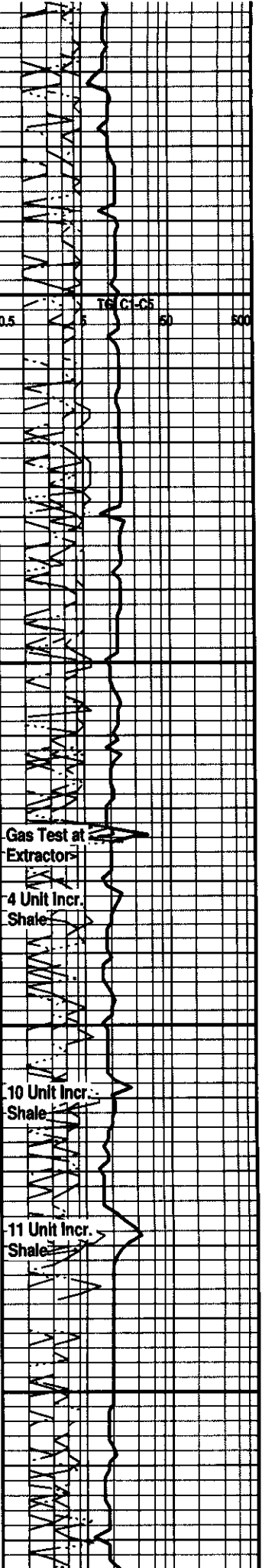
FORT SCOTT 4714(-2490)
LM; lt brn, tan, foss lp, most hd, micritic, no vis por, no stn or odor, ns.

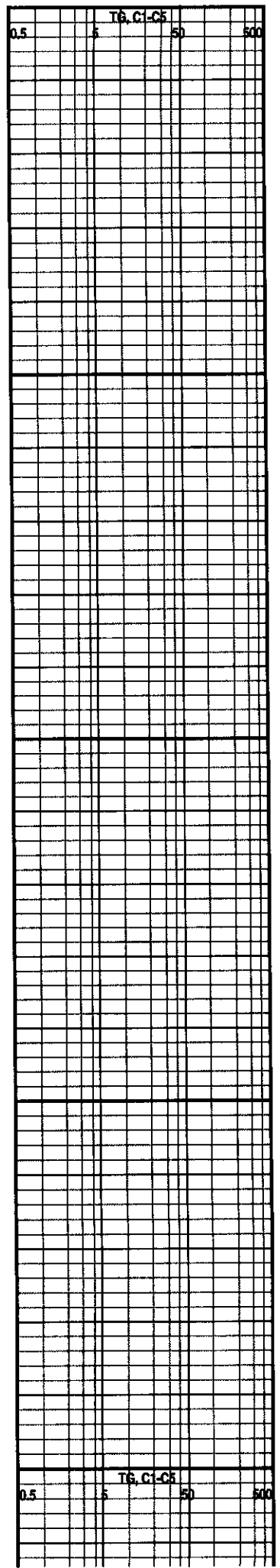
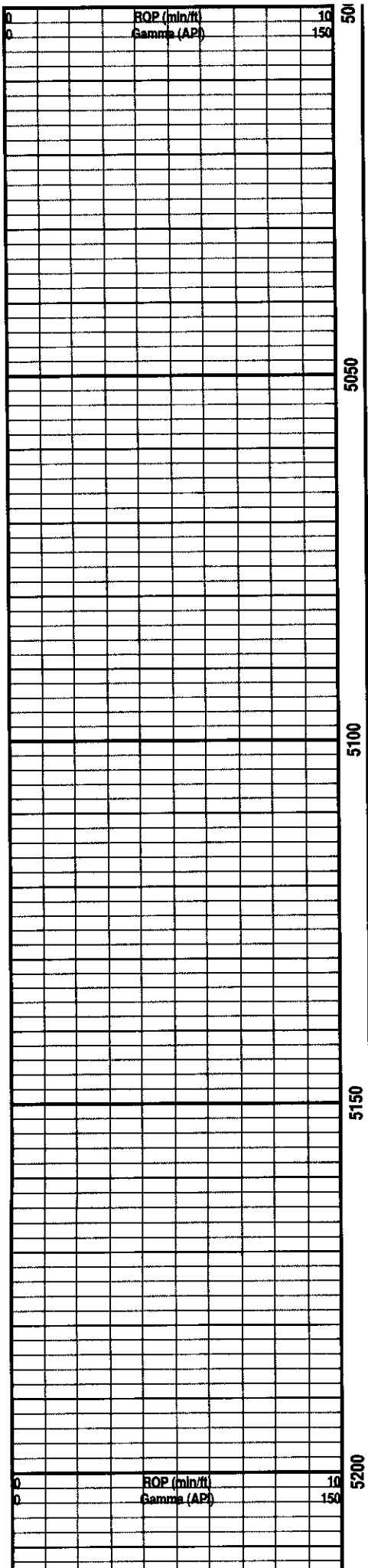
CHEROKEE SHALE 4725(-2501)
SH; blk, carb lp, platy, occ pyr w/grn to gy gm foss soft silty sh
LM; tan to off wh, lt brn, most dense, occ foss, rare tan to amber cht, no fluor, ns.

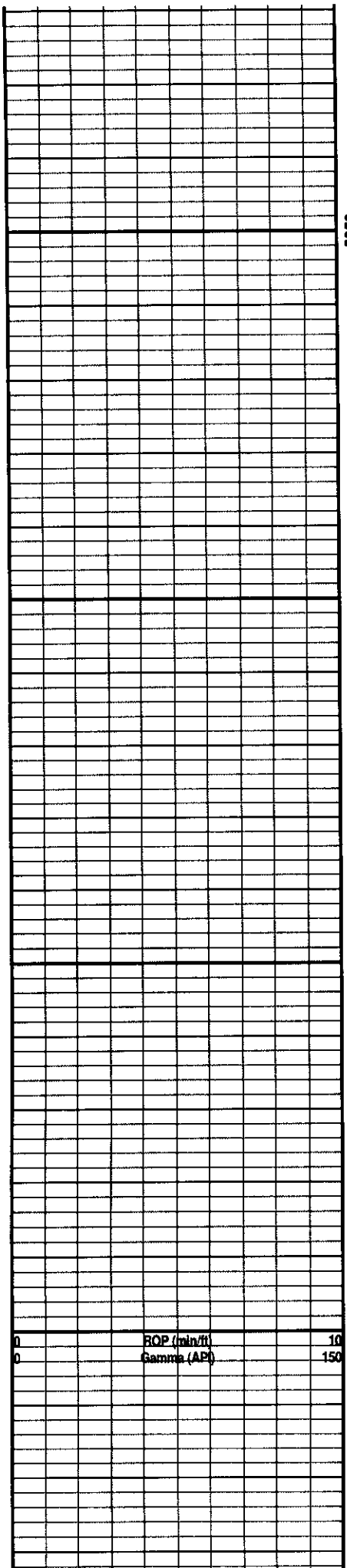
LM; tan to cream, lt brn, fxln, trc poor interxln por, dull yel min fluor only, no stn or odor, tite

LM; off wh, med xln, fractured, scat med brn live oil stn on frags, occ blk tar/gilsonite, lt yel fluor, no odor, weak cut
SH; med gy, gm, firm to platy, interbdd tan lmst strngs.

CONGL; weathered gm lmst, fresh varic cht
MISSISSIPPI 4776(-2552)







5250

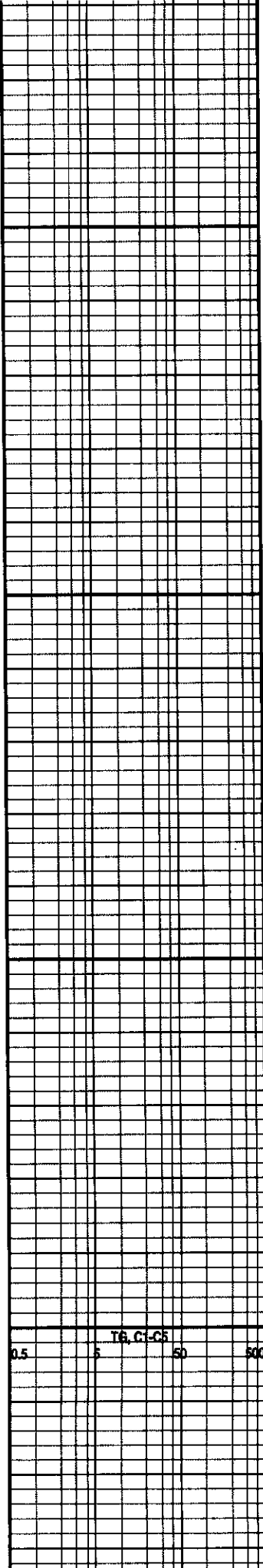
5300

5350

5400

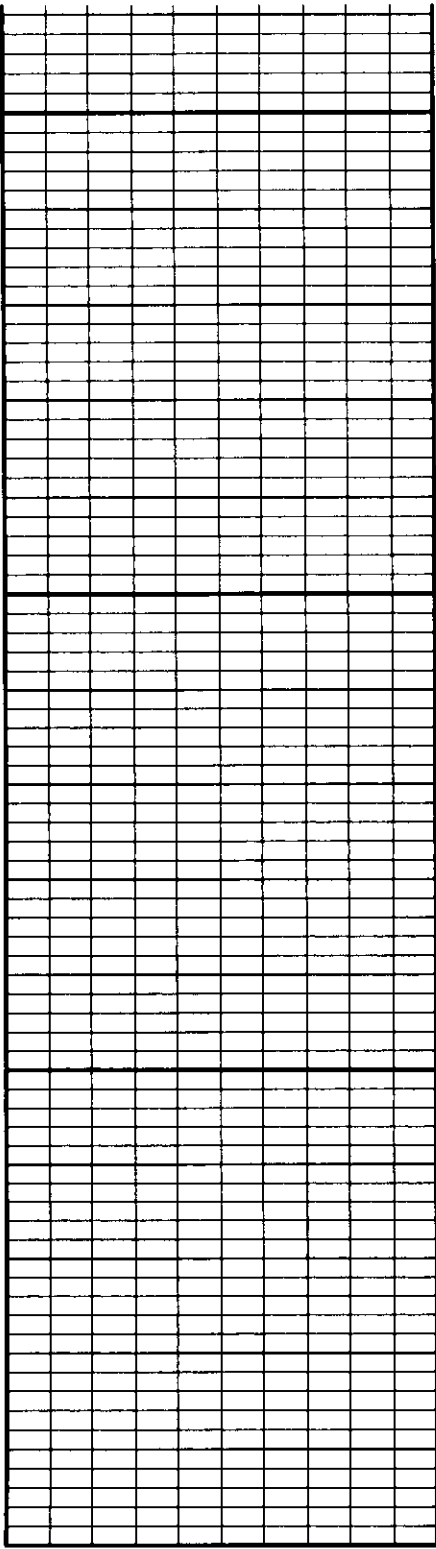
ROP (min/ft)
Gamma (API)

0 10
0 150



T6, C1-C5

0.5 5 50 500

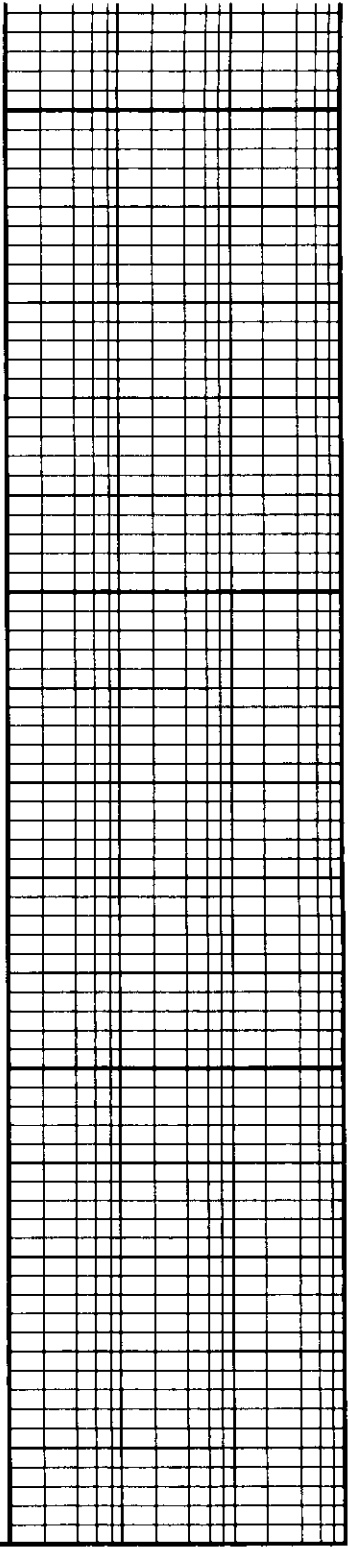
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A large graphical grid area on the right side of the page, divided into three vertical sections by two thick vertical lines. The grid consists of small squares.



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

December 30, 2010

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

Re: ACO1
API 15-097-21678-00-00
Unruh 1-33
NW/4 Sec.33-27S-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