KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1048805

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:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [x] 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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-097-21678-00-00
Spot Description:
SE - SW - SW - NW Sec. 33 Twp. 27 S. R. 18 [ ] East [x] West
2672 Feet from [ ] North / [x] South Line of Section
335 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [ ] NW
- [ ] SE
- [x] 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 [x] 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 [x] 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

- [x] **Letter of Confidentiality Received**
  Date: 12/30/2010
- [x] **Confidential Release Date:** 12/29/2012
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] **I** [ ] **II** [ ] **III** **Approved by:** NAOMI JAMES **Date:** 01/05/2011

Side Two

[redacted]

1048805

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

*** See geologic report

CASING RECORD ☑ New ☐ 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
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	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: 2 3/8 Set At: 4758 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:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

WELLFILE

BASIC ENERGY SERVICES

PAID 10-18-10 FNB SA# 6246

PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	10/08/2010

INVOICE NUMBER

1718 - 90427161

Pratt (620) 672-1201

BILL TO
STRATA EXPLORATION
PO Box: 401
FAIRFIELD
IL US 62837
ATTN:

JOB SITE
LEASE NAME
LOCATION
COUNTY
STATE
JOB DESCRIPTION
JOB CONTACT

LEASE UNRUH 1-33 | LEV 5 | P/P 10/13
DES CEMENT SURF-NEWWELL | A/P
RIG | COM | LOE | G/L 7/730/7298.09 | B/D

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40238612	20920		Net - 30 days	11/07/2010

For Service Dates: 10/06/2010 to 10/06/2010

0040238612

171802546A Cement-New Well Casing/Pi 10/06/2010
8 5/8" SURFACE

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
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:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
PO BOX 10460
MIDLAND,TX 79702

SUB TOTAL	6,962.97
TAX	335.12
INVOICE TOTAL	7,298.09

BASIC 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 10-6-10 DISTRICT Pratt	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER STRATA Exploration	LEASE Unruh 1-33 WELL NO.
ADDRESS	COUNTY Kiowa STATE KS
CITY STATE	SERVICE CREW Sullivan, Melsom, Phye
AUTHORIZED BY	JOB TYPE: CNW 8⅝ Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
33708-20920	35				
19960-19915	35				
19807					

	DATE	AM/PM	TIME
TRUCK CALLED	10-6-10	AM	0530
ARRIVED AT JOB		AM	0630
START OPERATION		AM	1140
FINISH OPERATION		AM	1220
RELEASED	10-6-10	AM	1245
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 106	A-Serv. Lite cmt	SK	200		2,600 00
CP 100	Common cmt	SK	200		3,200 00
CC 102	Cellflake	lb	100		370 00
CC 109	Calcium chlor. flc	lb	1096		1,140 30
CC 200	CMT Grd	lb	376		94 00
CF 105	Top Rubber plug 8⅝	EA	1		225 00
E 100	pickup mileage	mi	30		127 50
E 101	Heavy Eqpt. mileage	mi	60		420 00
E 113	Bulk Delivery	TM	543		868 80
CE 201	Depth charge 501-1000'	EA	1		1,200 00
CE 240	Blending - mixing	SK	400		560 00
CE 504	plug Container Rental	EA	1		250 00
S 003	Surface Equipment	EA	1		175 00

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	6,962.97

Thank you
DLS

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

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: STRATA Exploration	Lease No.			Date: 10-06-10	
Lease: UNRUH	Well #: 1-33				
Field Order #: 2542	Station: Pratt	Casing: 8 5/8	Depth: 523'	County: Kiowa	State: KS
Type Job: CNW 8 5/8 Surface	Formation			Legal Description: 33-27-18	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 523'	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 32	Volume	From	To	Pad	Min		10 Min.
Max Press: 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: P.C	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 503	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager: DAVE Scott | Treater: Robert Allen

Service Units	19867	33705	20920	19960	19918						
Driver Names	Sullivan	Melson		Pyle							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0830	Vac				On loc Safety meeting
					Run 12 5.5 8 5/8 * 23 csg
1120					CASING ON Bottom
1130					Hook Rig To circ.
1140	200		3	3	St Spacer
				5.4	mix Lead cmt 200 sk A-Con Lite w/
			57		3% cc 1/4 cel flake
				5.5	mix Tail cmt 200 sk Com 2% gel 3% cc 1/4 Flake
			48		shut down cmt mixed
					Release Plug
1210				4	St Disp
1220			32		Plug down
					circulated 15 BBL cmt to pit
					JOB Complete
					Thank you

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

PREPAY

BASIC ENERGY SERVICES

PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	10/19/2010

INVOICE NUMBER

1718 - 90435422

Pratt (620) 672-1201

BILL TO
STRATA EXPLORATION
PO Box: 401
FAIRFIELD
IL US 62837
ATTN:

JOB SITE
LEASE NAME Unruh 1-33
LOCATION
COUNTY Kiowa
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pi
JOB CONTACT

PAID 10-30-10 FNB SAH 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

LEASE 10/22 UNRUH #1-33 | LEV 5 | P/P 10/22
DES CEMENT LONGSTRING | A/P 10/22
DRL | COM X | LOE | G/L 7355I/9156 | D/D

171802935A Cement-New Well Casing/Pi 10/17/2010
Longstring

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
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 Eqiupment 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

PLEASE REMIT TO:
BASIC ENERGY SERVICES,LP
PO BOX 841903
DALLAS,TX 75284-1903

SEND OTHER CORRESPONDENCE TO:
BASIC ENERGY SERVICES,LP
PO BOX 10460
MIDLAND,TX 79702

SUB TOTAL	8,861.58
TAX	294.60
INVOICE TOTAL	9,156.18

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 02935 A

33-27S-18W

DATE TICKET NO.

DATE OF JOB 10-17-10 DISTRICT Pratt, Kansas	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ 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
19,866	1				
19,903-19,905	1				
19,960-19,918	1				

	DATE		TIME
TRUCK CALLED	10-17-10	AM PM	5:30
ARRIVED AT JOB		AM PM	7:30
START OPERATION		AM PM	2:00
FINISH OPERATION		AM PM	3:00
RELEASED	10-17-10	AM PM	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
P	CP 104	50/50 Poz Cement	sk	200		2,200 00
P	CP 103	60/40 Poz Cement	sk	50		600 00
P	C 700	KCL, Potassium Chloride	Lb	447		670 50
P	CC 113	Cal Set	Lb	840		630 00
P	CC 129	FLA-322	Lb	84		630 00
P	CF 103	Top Rubber Plug, 5½"	ea	1		105 00
P	CF 121	Bottum Rubber Plug, 5½"	ea	1		180 00
P	CF 1251	Auto Fill Float Shoe, 5½"	ea	1		360 00
P	CF 1651	Turbolizer, 5½"	ea	12		1,320 00
P	CF 1901	Basket, 5½"	ea	2		580 00
P	C 704	CS-1L: KCL	Gal	5		175 00
P	CC 151	Mud Flush	Gal	1,000		860 00
P	E 100	Pickup Mileage	mi	30		127 50
P	E 101	Heavy Equipment Mileage	mi	60		420 00
P	E 113	Bulk Delivery	tm	317		506 40
P	CE 205	Cement Pump: 4,001 Feet To 5,000 Feet	Job	1		2,520 00
P	CE 240	Blending and Mixing Service	sk	250		350 00
P	CE 504	Plug Container	Job	1		250 00
P	S003	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 Clarence R. Messick

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

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Strata Exploration, Incorporated	Lease No.			Date: 10-17-10		
Lease: Unruh	Well #: 1-33					
Field Order #: 2935	Station: Pratt, Kansas	Casing: 5 1/2 15.5 Lb.	Depth: 4,805 Feet	County: Kiowa	State: Kansas	
Type Job: C.N.W. - Longstring	Formation		Legal Description: 23-27S-18W			

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2 15.5 Lb/Ft.	Tubing Size	Shots/Ft	200 sacks 50/50 Poz with 2% Gel, 5% Cal Set,	Acid	RATE	PRESS	ISIP
Depth: 4805 Feet	Depth	From	To .58 FL-322, .58 HTC	Pre Pad	Max		5 Min.
Volume: 114.4 Bbl.	Volume	From	To 14.4 Lb./Gal, 5.36 Gal./Sk., 1.25 CU. FT./Sk.	Pad	Min		10 Min.
Max Press: 1500 P.S.I.	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Plug Container	Annulus Vol.	From 50 sacks	To 60/40 Poz to plug Rat (30 sacks) and Mouse (20 sacks) holes	HHP Used			Annulus Pressure
Plug Depth: 4805 Feet	Packer Depth	From	To	Flush: 114.5 Bbl. 2% KCL	Gas Volume		Total Load

Customer Representative: George Paine | Station Manager: David Scott | Treater: Clarence R. Messick

Service Units	19,866	19,903	19,905	19,960	19,918						
Driver Names	Messick	Mattal		Phye							

Time A.M.	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 15.5 Lb/Ft		
	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. Mud Flush.~~ Release Bottom plug.
			5	5	Pump 1 Bbl. mud Flush.
					Put Top Rubber Plug into Plug Container.
			6	6	Pump 23 Bbl. Mud Flush.
2:14	300		29	5	Start mixing 200 sacks 50/50 Poz cement.
	-0-		T3		Stop pumping. Shut in well. Wash pump and
					lines. Release Top Rubber Plug. Open Well.
2:24	150			6.5	Start 2% KCL Displacement.
				5	start to lift cement.
2:42	700		114.5		Plug down.
	1,500				Pressure up.
					Release pressure. Float Shoe held.
	-0-		T-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
3:15					Job Complete.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Thank You. Clarence, Mike, Dale

Taylor Printing, Inc. 620-672-3656

DRILL STEM TEST REPORT

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

Job Ticket: 38821 **DST#: 1**

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)
Total Depth: 4226.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

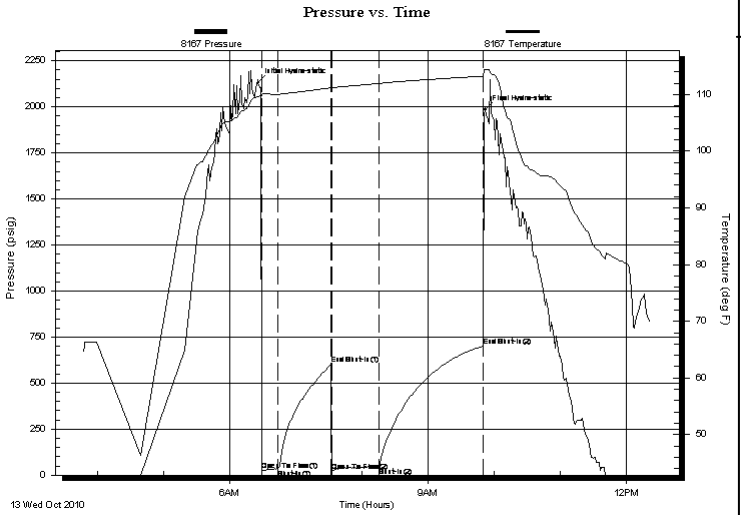
Reference Elevations: 2224.00 ft (KB)
2213.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 41.24 psig @ 4207.00 ft (KB)
Start Date: 2010.10.13 End Date: 2010.10.13
Start Time: 03:47:29 End Time: 12:22:39

Capacity: 8000.00 psig
Last Calib.: 2010.10.13
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	Drlg.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

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

Job Ticket: 38821 **DST#: 1**

Test Start: 2010.10.13 @ 03:47:24

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:	6000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drlg.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:

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

Job Ticket: 38821 **DST#: 1**

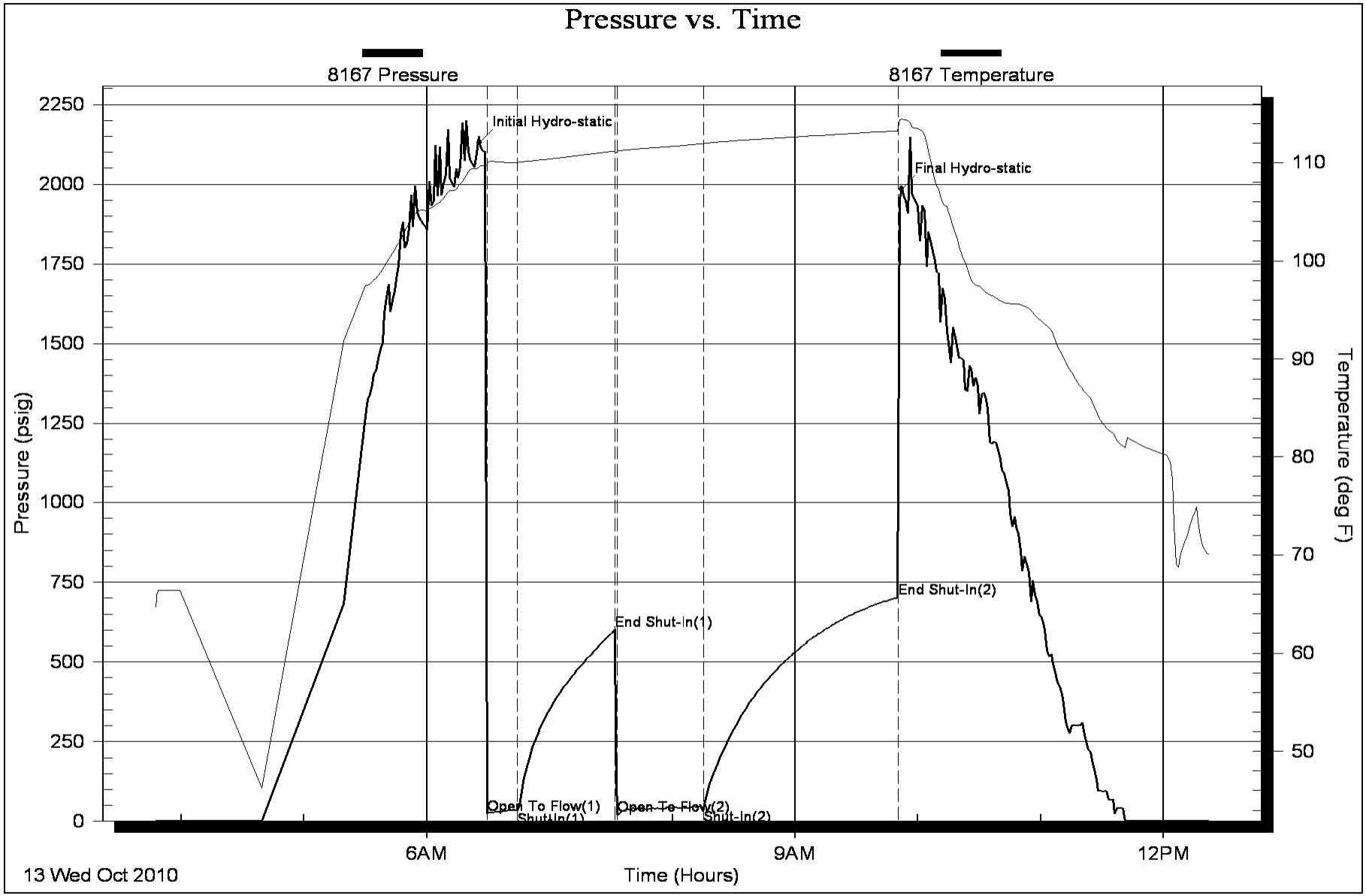
Test Start: 2010.10.13 @ 03:47:24

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


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
6AM
9AM
12PM
13 Wed Oct 2010
Time (Hours)

DRILL STEM TEST REPORT

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

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

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)
Total Depth: 4479.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

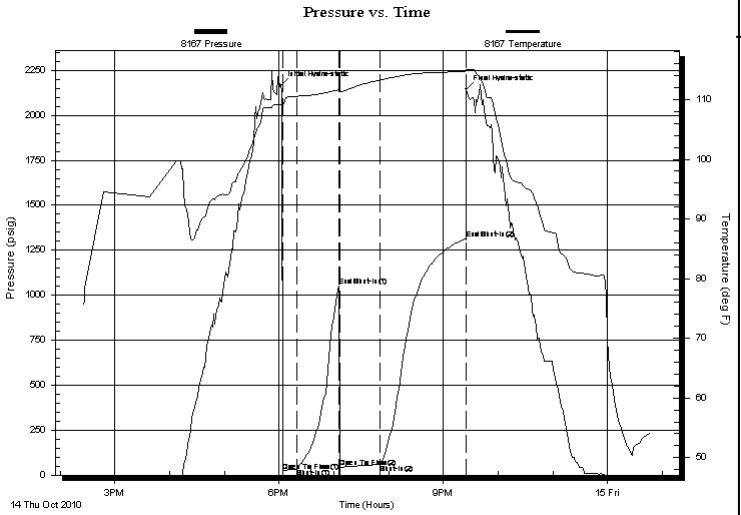
Reference Elevations: 2224.00 ft (KB)
2213.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 59.09 psig @ 4403.00 ft (KB)
Start Date: 2010.10.14 End Date: 2010.10.15
Start Time: 14:25:47 End Time: 00:47:57

Capacity: 8000.00 psig
Last Calib.: 2010.10.15
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".
ISI: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)

DRILL STEM TEST REPORT

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

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

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)
Total Depth: 4479.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

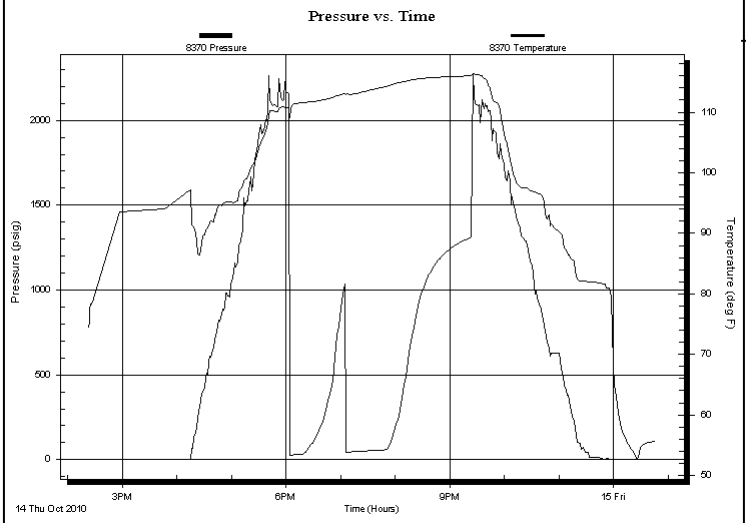
Reference Elevations: 2224.00 ft (KB)
2213.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8370 **Outside**

Press@RunDepth: psig @ 4403.00 ft (KB)
Start Date: 2010.10.14 End Date: 2010.10.15
Start Time: 14:22:47 End Time: 00:46:27

Capacity: 8000.00 psig
Last Calib.: 2010.10.15
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Weak to fair blow . Increase to 9".
ISI:No blow .
FF:Strong blow . B.O.B. in 9 mins.
FSI: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)

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

P.O.Box 401
Fairfield Il.62837

ATTN: Jon Christensen

Unruh#1-33

33-27s-18w Kiowa Ks.

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

Test Start: 2010.10.14 @ 14:25:42

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:	32000 ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7400.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

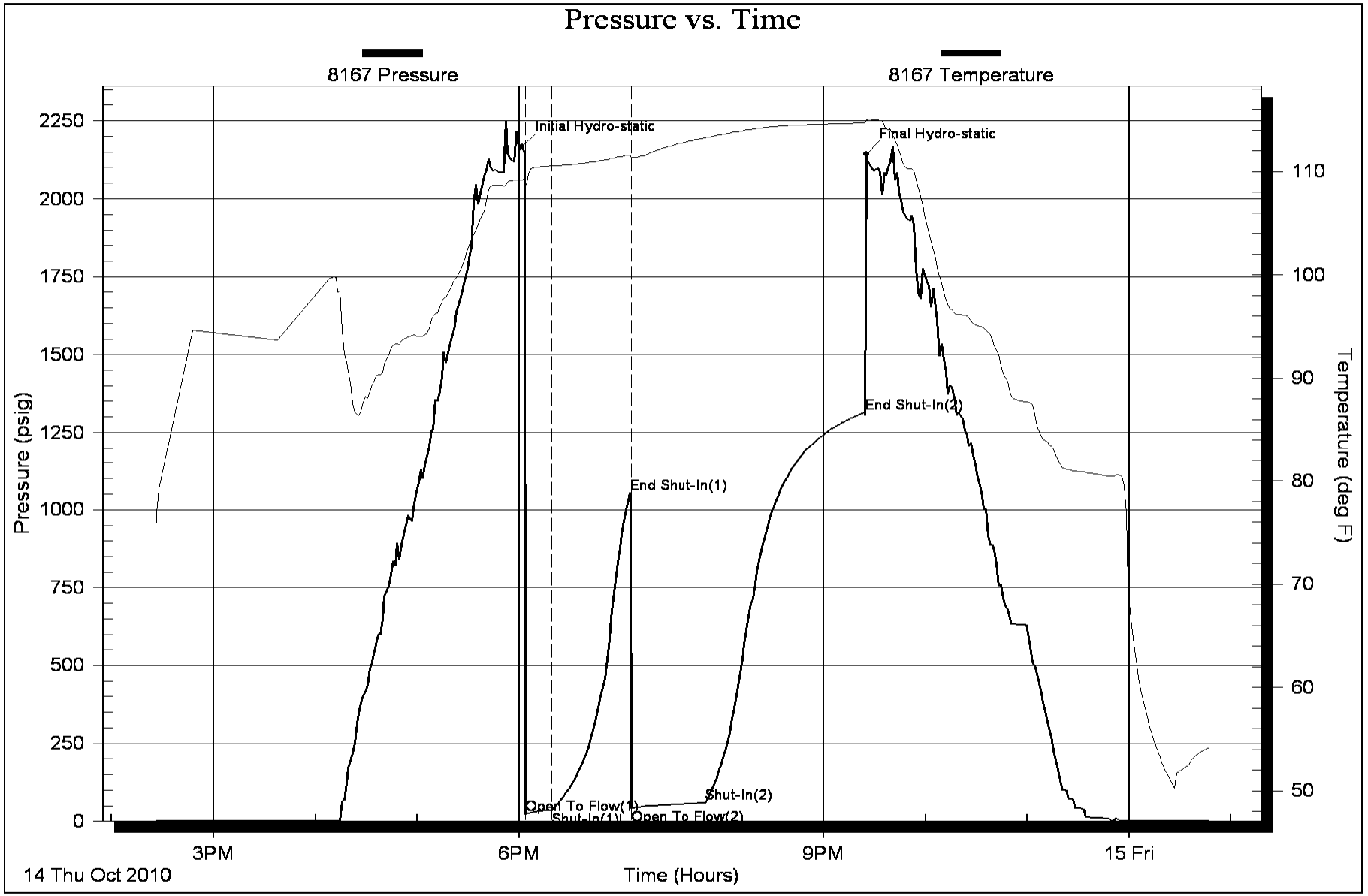
Length ft	Description	Volume bbl
95.00	GOCWM 25%g 22%o 24%w 29%m	0.467
0.00	RW .27 ohms@ 59 deg.	0.000
0.00	210 ft.of GIP	0.000

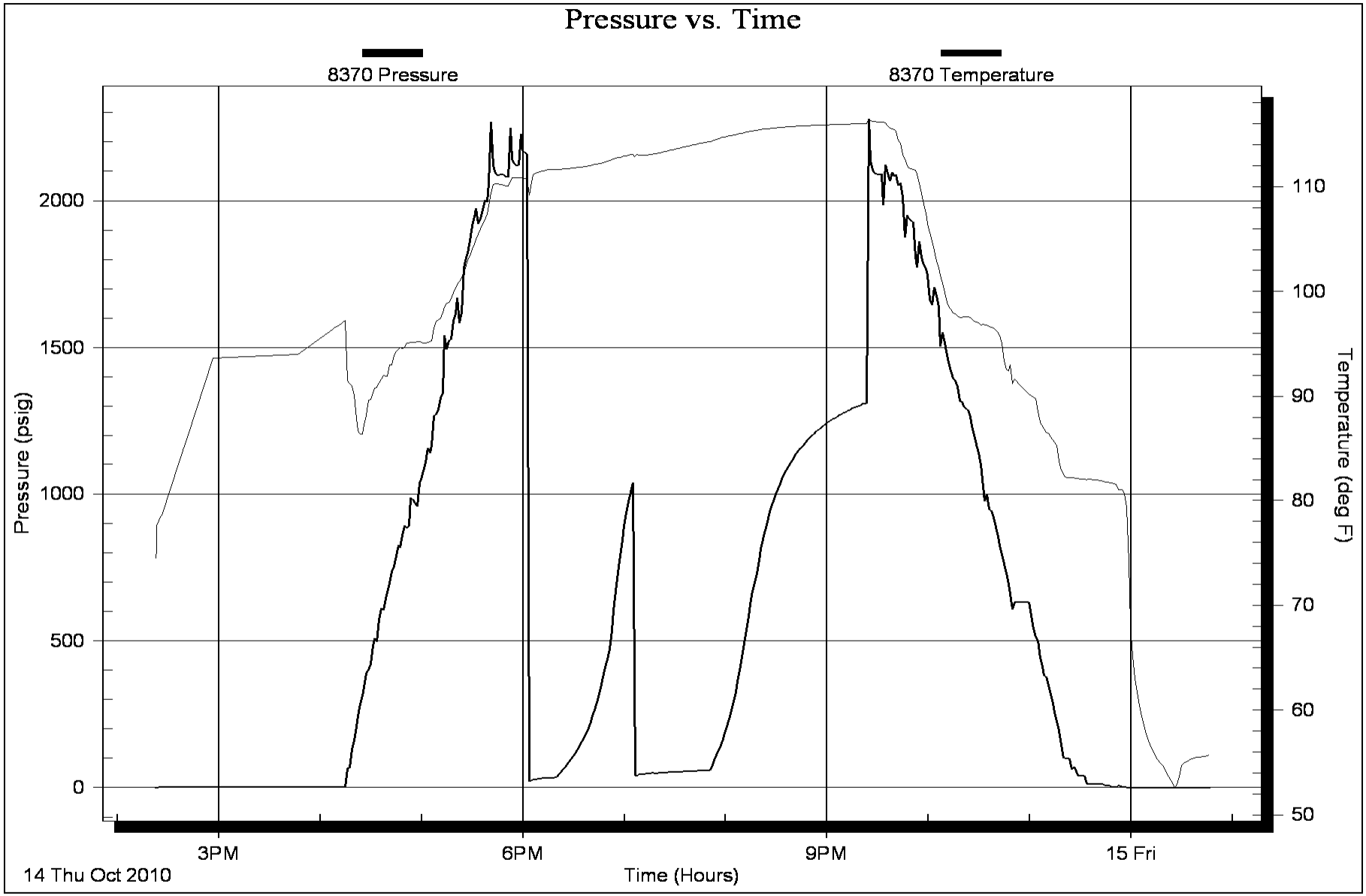
Total Length: 95.00 ft Total Volume: 0.467 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Shut-In(1)
Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
3PM
6PM
9PM
15 Fri
14 Thu Oct 2010
Time (Hours)


Pressure vs. Time
8370 Pressure
8370 Temperature
2000
1500
1000
500
0
Pressure (psig)
110
100
90
80
70
60
50
Temperature (deg F)
3PM
6PM
9PM
15 Fri
14 Thu Oct 2010
Time (Hours)

DRILL STEM TEST REPORT

Strata Exploration, Inc

P.O.Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Unruh # 1-33

33-27s-18w Kiowa Co

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

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)
Total Depth: 4806.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

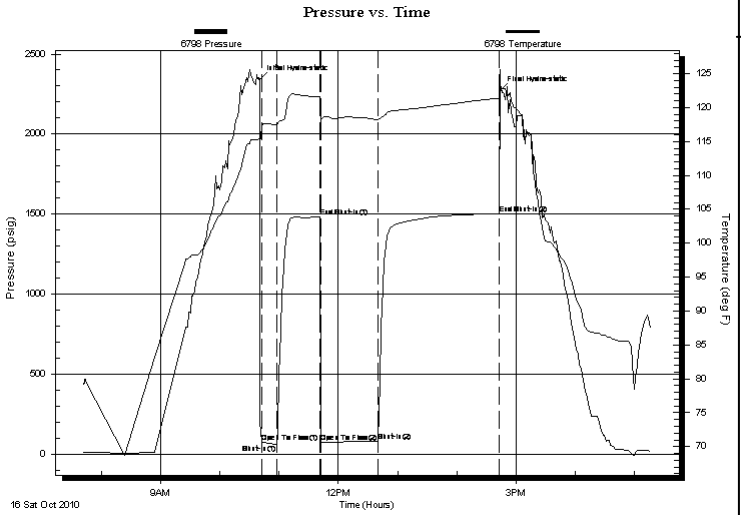
Reference Elevations: 2224.00 ft (KB)
2213.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 81.05 psig @ 4755.00 ft (KB)
Start Date: 2010.10.16 End Date: 2010.10.16
Start Time: 07:41:58 End Time: 17:16:57

Capacity: 8000.00 psig
Last Calib.: 2010.10.16
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.)
ISI:No blow .
FF:Strong blow . B.O.B. immediately.
FSI:Very w eak 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

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration, Inc

P.O.Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Unruh # 1-33

33-27s-18w Kiowa Co

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

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 in³	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:

Strata Exploration, Inc

P.O.Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Unruh # 1-33

33-27s-18w Kiowa Co

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

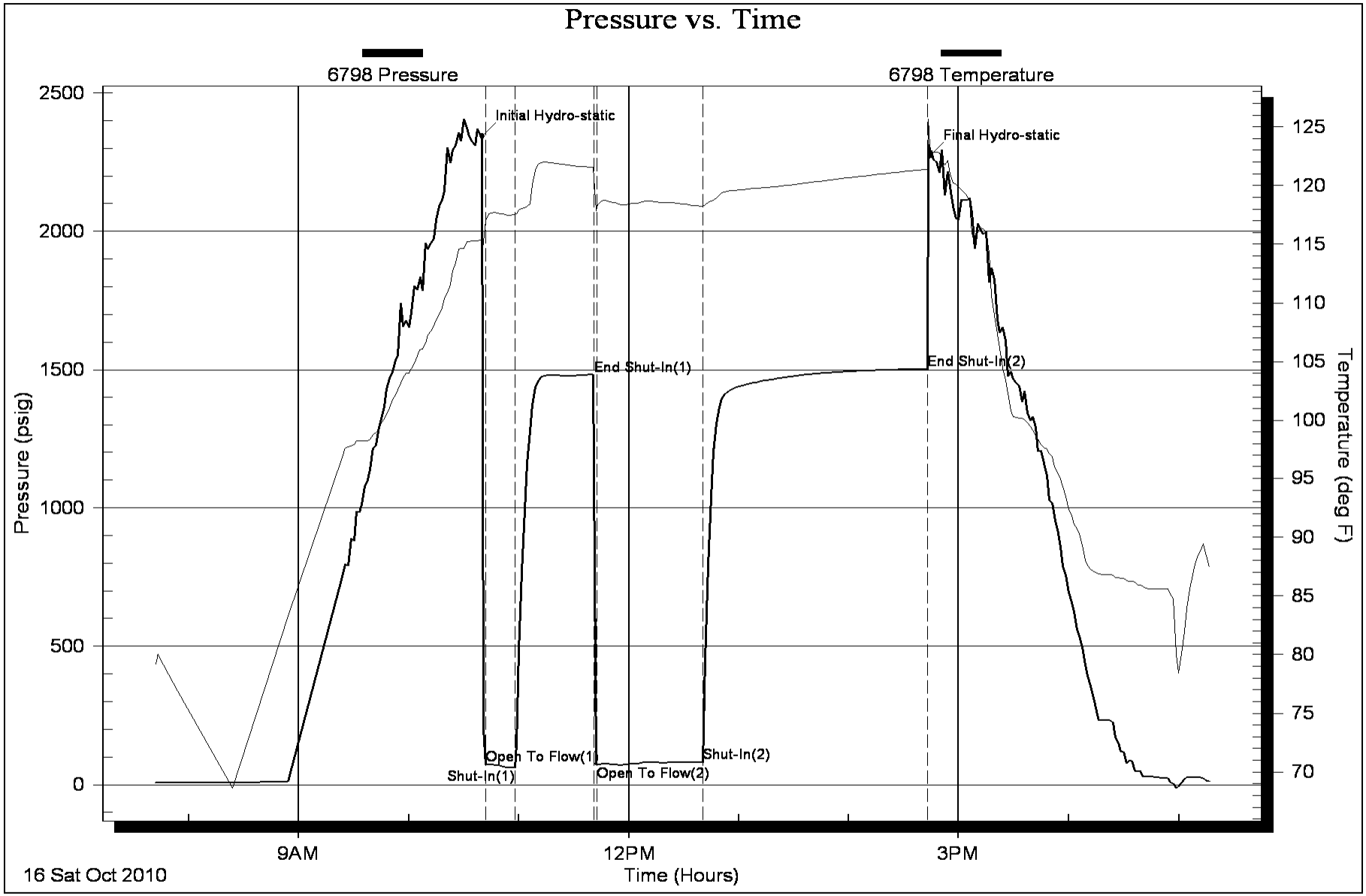
Test Start: 2010.10.16 @ 07:41:57

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


Pressure vs. Time
6798 Pressure
6798 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
125
120
115
110
105
100
95
90
85
80
75
70
9AM
12PM
3PM
Time (Hours)
16 Sat Oct 2010

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 Coordinates:	**Same as above**
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), Cl 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

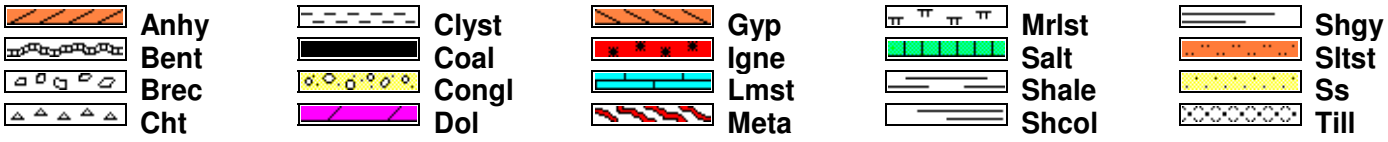
Comments

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.

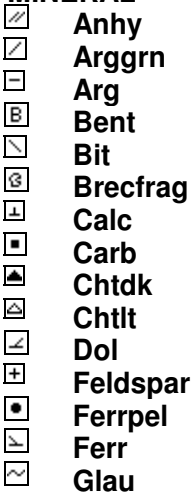
Surveys: 0.75 Deg. at 525'(Surface Casing); 0.75 Deg. at 4226'(DST #1); 1.5 Deg. at 4470'(DST #2); Deg. at 4806'(DST #3)

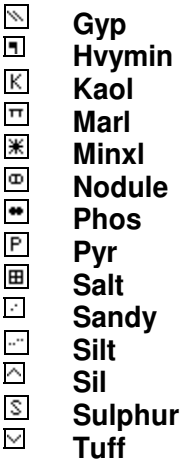
ROCK TYPES



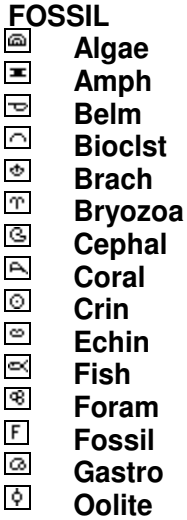
ACCESSORIES

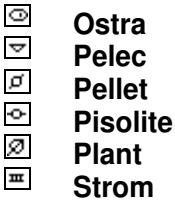
MINERAL





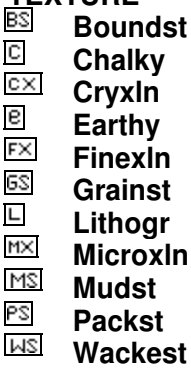
FOSSIL





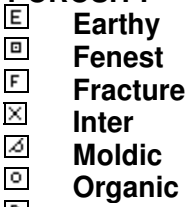
STRINGER

TEXTURE



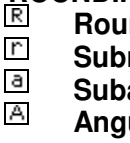
OTHER SYMBOLS

POROSITY



SORTING

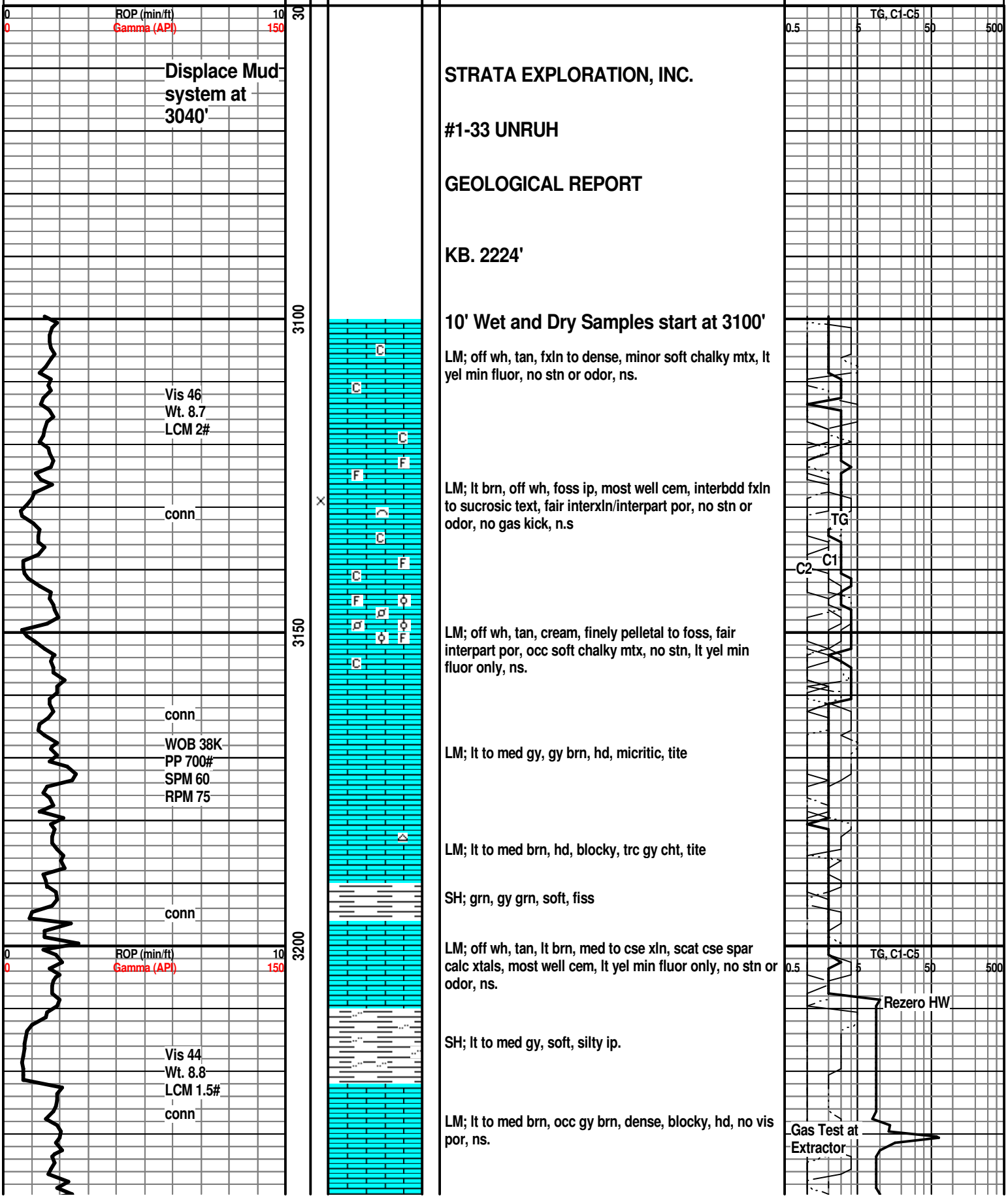
ROUNDING

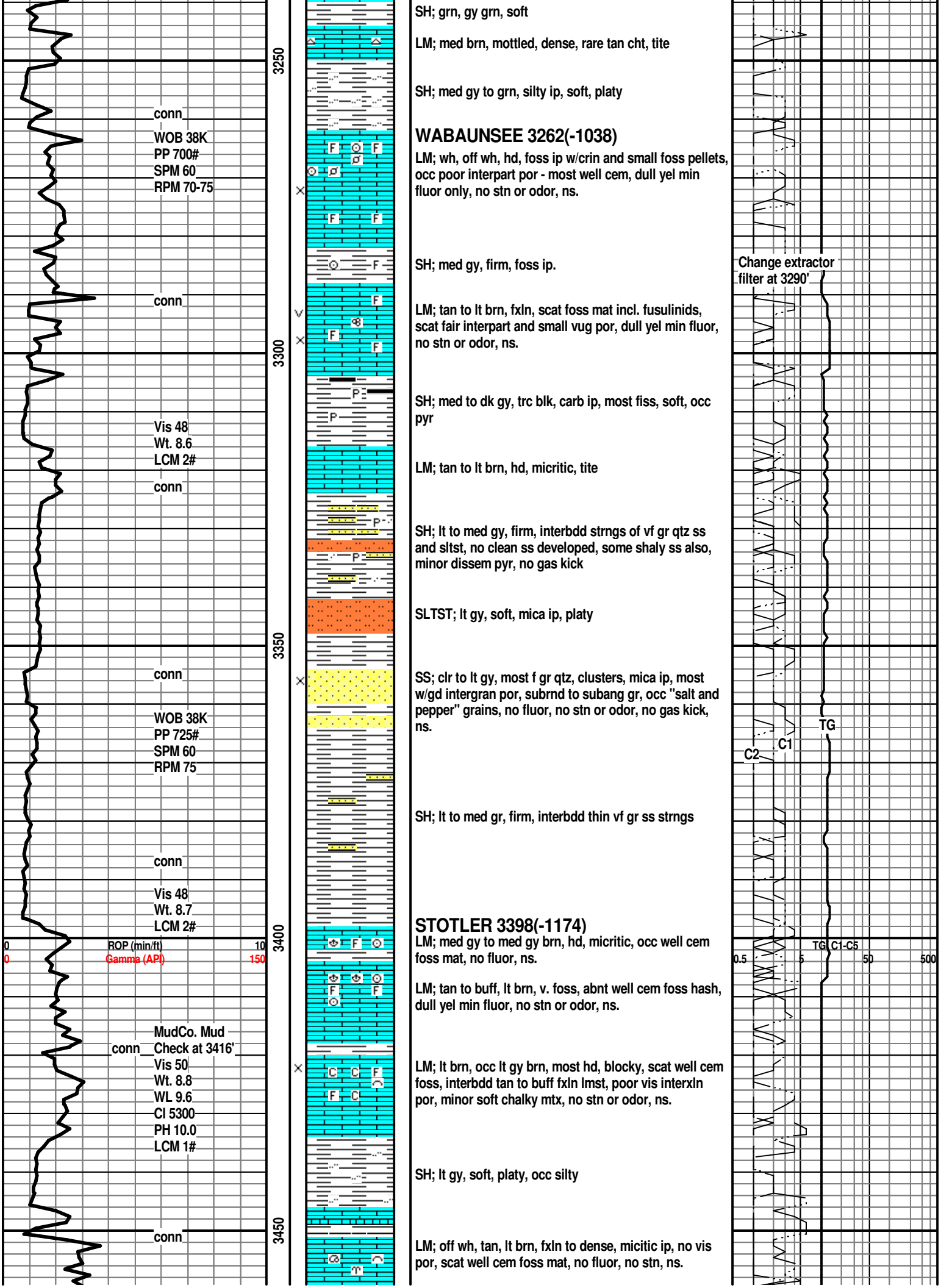


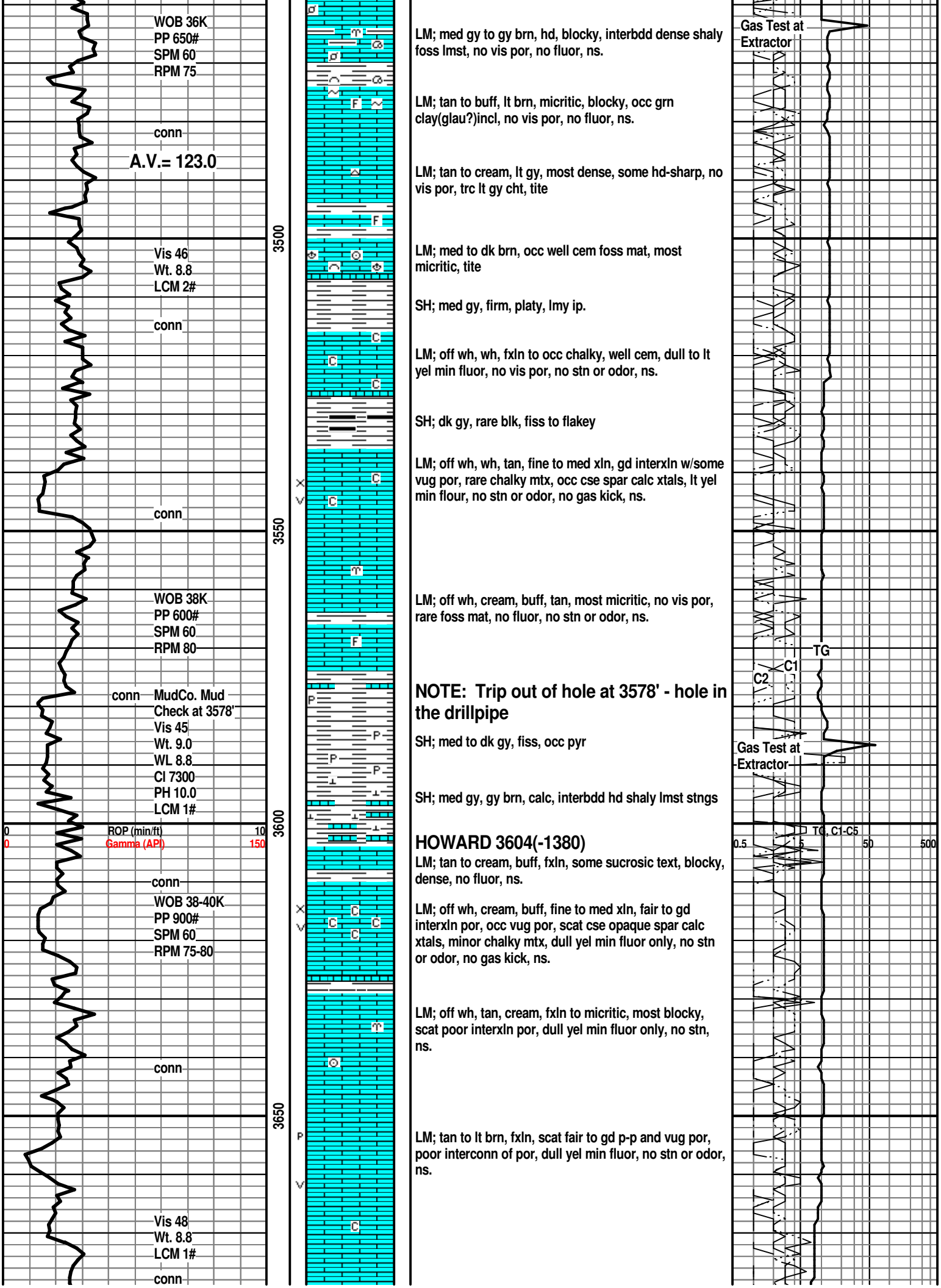
OIL SHOW

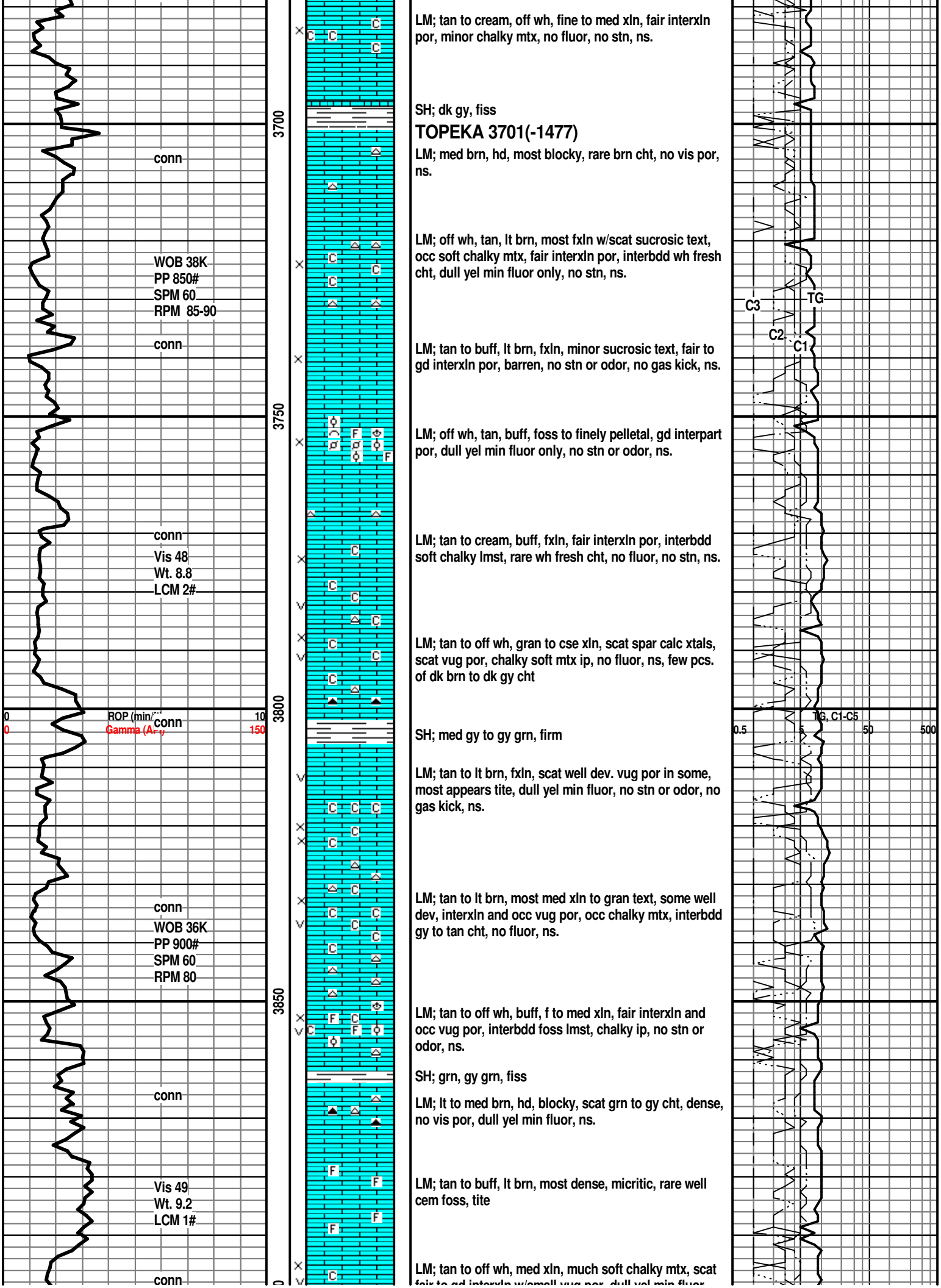
INTERVAL

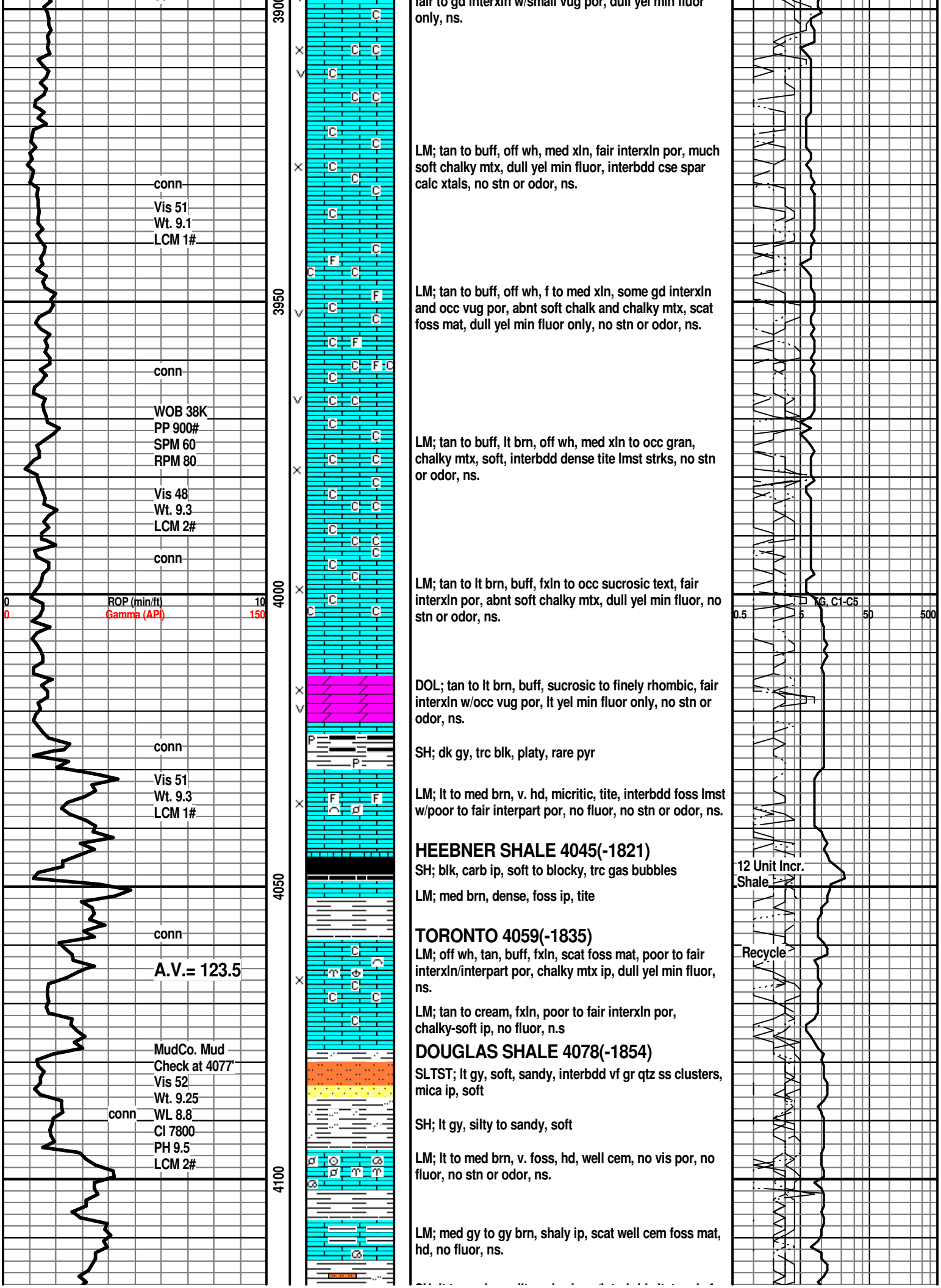
EVENT

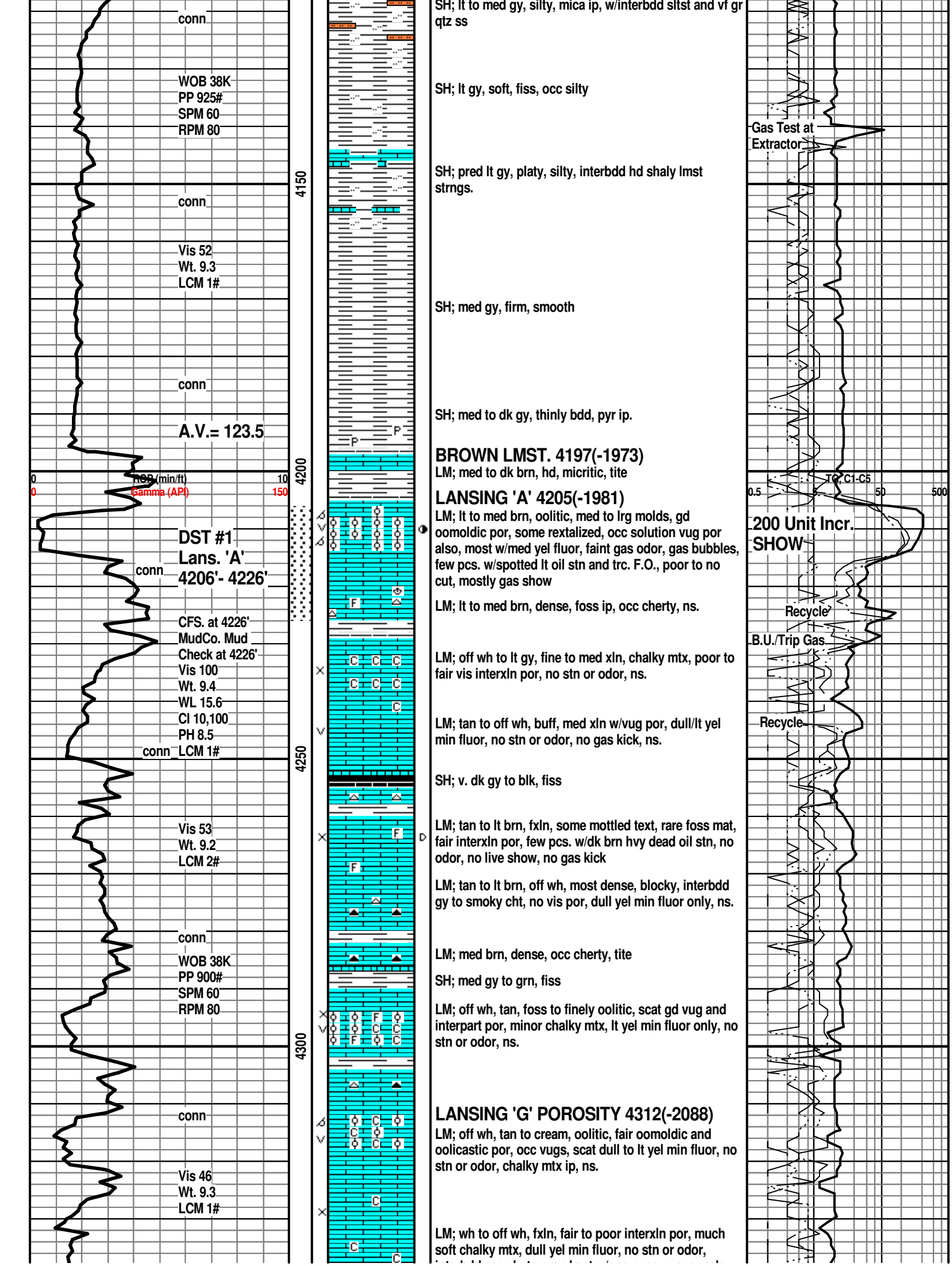

Curve Track 1
ROP (min/ft)
Gamma (API)
Depth
Porosity Type
Lithology
Oil Shows
Geological Descriptions
TG, C1-C5
TG (Units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
C5 (units)
0
ROP (min/ft)
10
0
Gamma (API)
150
30
3100
3150
3200
TG, C1-C5
0.5
5
50
500
Displace Mud system at 3040'
STRATA EXPLORATION, 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.
Vis 46
Wt. 8.7
LCM 2#
conn
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
TG
C1
C2
LM; off wh, tan, cream, finely pelletal to foss, fair interpart por, occ soft chalky mtx, no stn, lt yel min fluor only, ns.
conn
WOB 38K
PP 700#
SPM 60
RPM 75
LM; lt to med gy, gy brn, hd, micritic, tite
LM; lt to med brn, hd, blocky, trc gy cht, tite
SH; grn, gy grn, soft, fiss
conn
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.
Rezero HW
SH; lt to med gy, soft, silty ip.
Vis 44
Wt. 8.8
LCM 1.5#
conn
LM; lt to med brn, occ gy brn, dense, blocky, hd, no vis por, ns.
Gas Test at Extractor

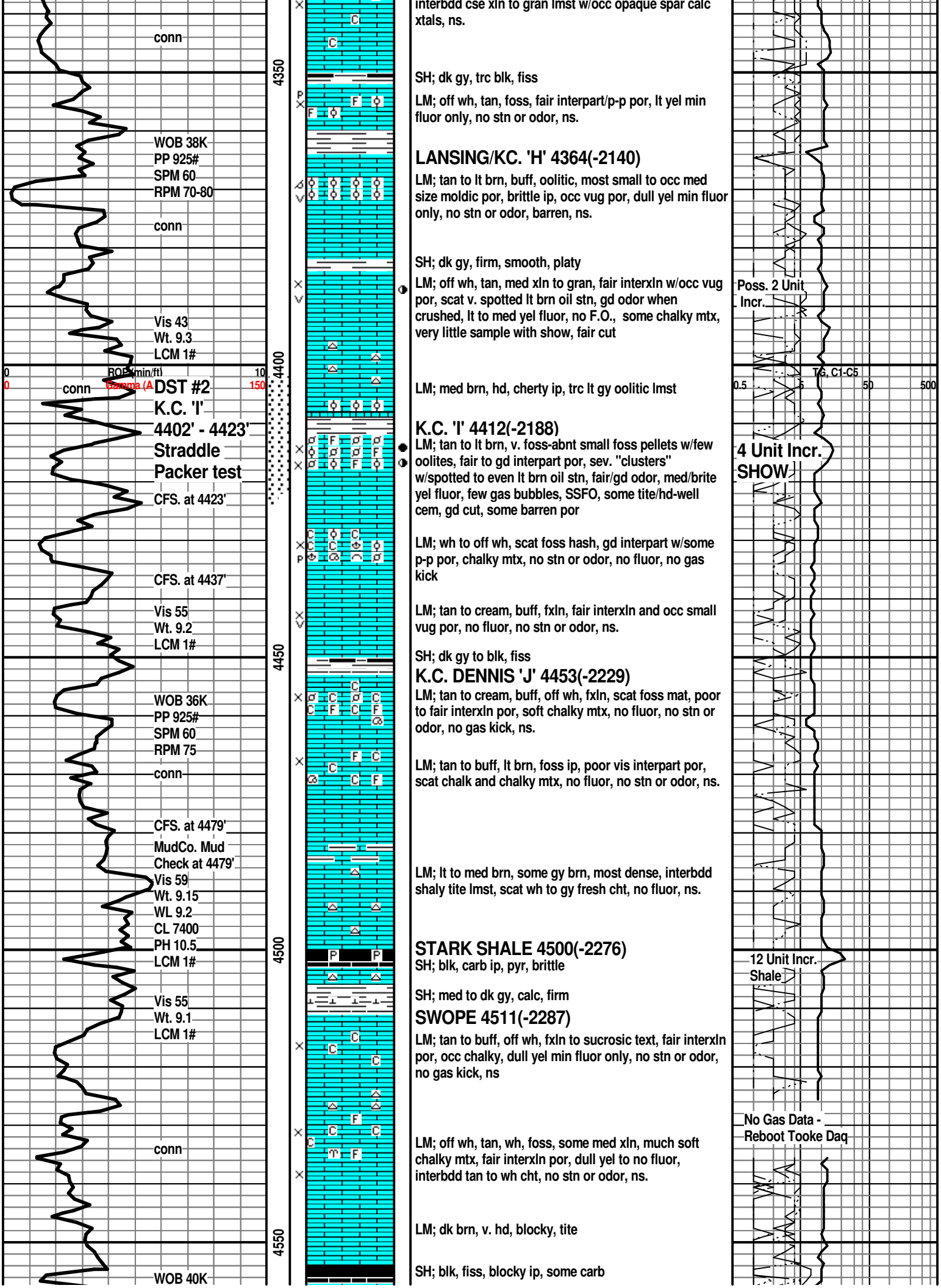

3250
3300
3350
3400
3450
conn
WOB 38K
PP 700#
SPM 60
RPM 70-75
conn
Vis 48
Wt. 8.6
LCM 2#
conn
conn
WOB 38K
PP 725#
SPM 60
RPM 75
conn
Vis 48
Wt. 8.7
LCM 2#
0
ROP (min/ft)
10
0
Gamma (API)
150
conn
MudCo. Mud
Check at 3416'
Vis 50
Wt. 8.8
WL 9.6
Cl 5300
PH 10.0
LCM 1#
conn
SH; grn, gy grn, soft
LM; med brn, mottled, dense, rare tan cht, tite
SH; med gy to grn, silty ip, soft, platy
WABAUNSEE 3262(-1038)
LM; wh, off wh, hd, foss ip 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 ip.
Change extractor filter at 3290'
LM; tan to lt brn, fxln, 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 ip, 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 dissem pyr, no gas kick
SLTST; lt gy, soft, mica ip, platy
SS; clr to lt gy, most f gr qtz, clusters, mica ip, most w/gd intergran por, subrnd to subang gr, occ "salt and pepper" grains, no fluor, no stn or odor, no gas kick, ns.
TG
C1
C2
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.
TG C1-C5
0.5
5
50
500
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 fxln lmst, poor vis interxln por, minor soft chalky mtx, no stn or odor, ns.
SH; lt gy, soft, platy, occ silty
LM; off wh, tan, lt brn, fxln to dense, micitic ip, no vis por, scat well cem foss mat, no fluor, no stn, ns.

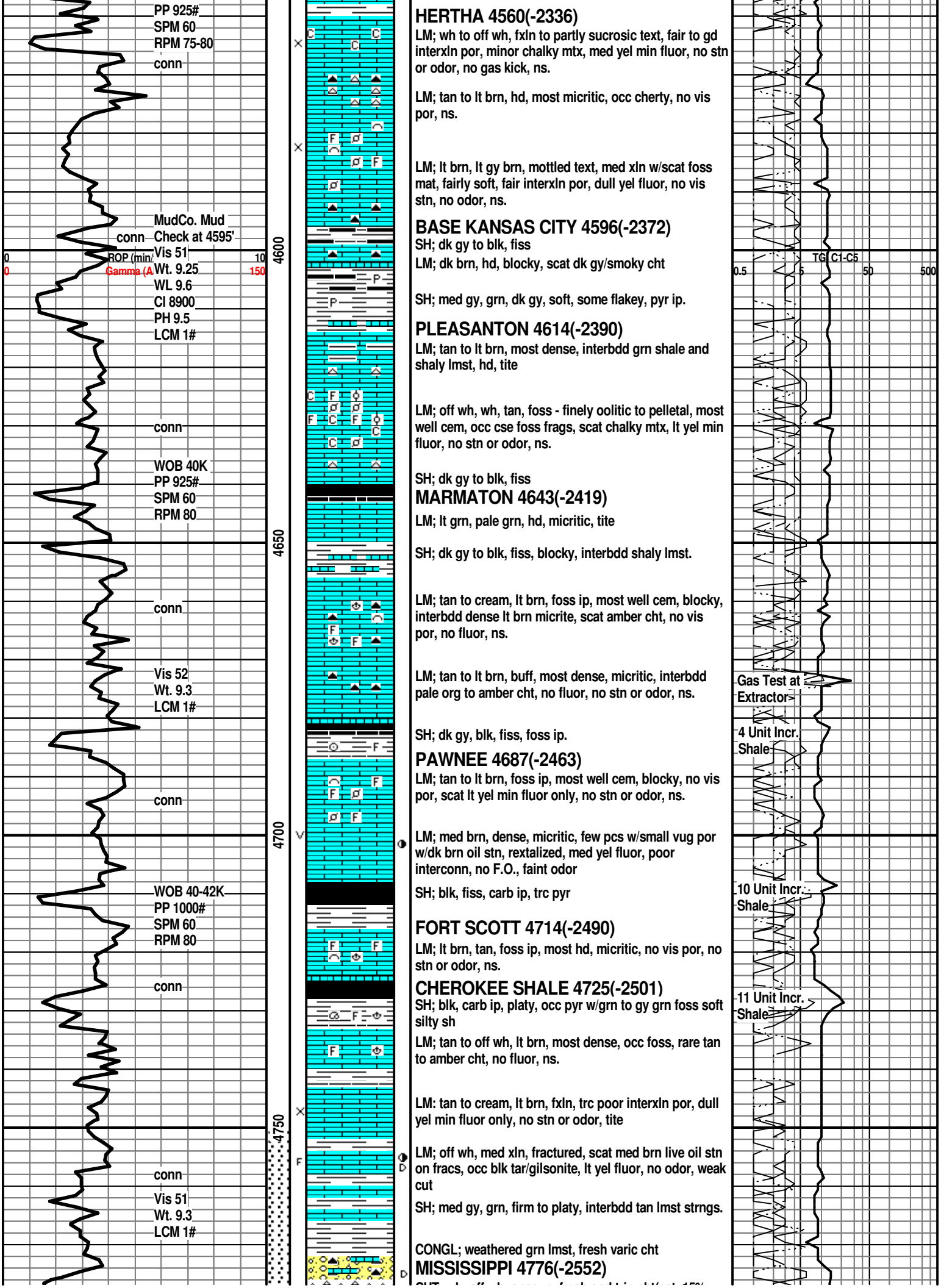

WOB 36K
PP 650#
SPM 60
RPM 75
conn
A.V.= 123.0
Vis 46
Wt. 8.8
LCM 2#
conn
conn
WOB 38K
PP 600#
SPM 60
RPM 80
conn
MudCo. Mud
Check at 3578'
Vis 45
Wt. 9.0
WL 8.8
Cl 7300
PH 10.0
LCM 1#
0
ROP (min/ft)
10
0
Gamma (API)
150
conn
WOB 38-40K
PP 900#
SPM 60
RPM 75-80
conn
Vis 48
Wt. 8.8
LCM 1#
conn
3500
3550
3600
3650
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 min 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 min 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 min 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 min 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 min fluor, no stn or odor, ns.
Gas Test at Extractor
TG
C1
C2
Gas Test at Extractor
TG, C1-C5
0.5
5
50
500

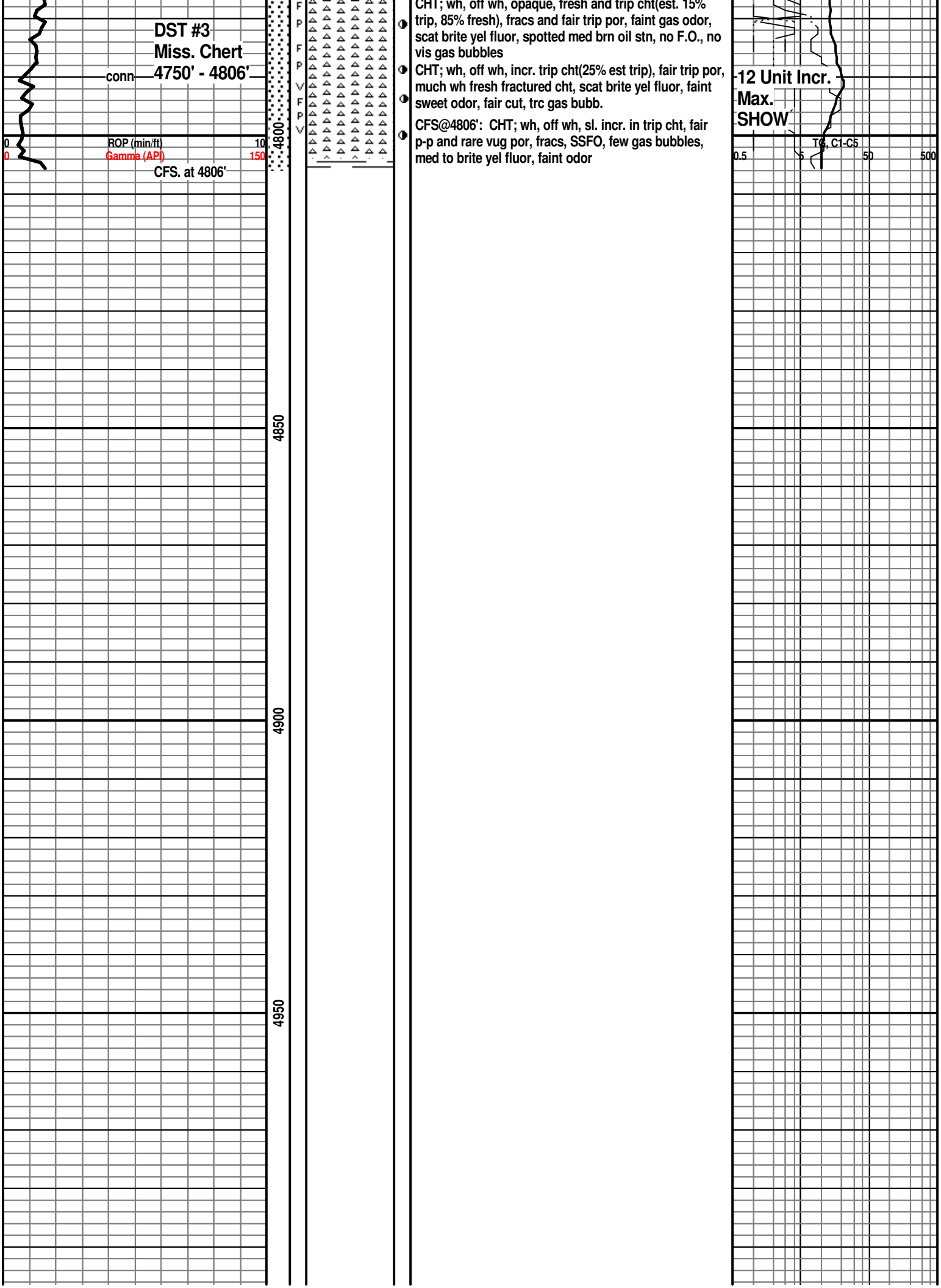

LM; tan to cream, off wh, fine to med xln, fair interxln por, minor chalky mtx, no fluor, no stn, ns.
SH; dk gy, fiss
TOPEKA 3701(-1477)
LM; med brn, hd, most blocky, rare brn cht, no vis por, ns.
LM; off wh, tan, lt brn, most fxln w/scat sucrosic text, occ soft chalky mtx, fair interxln por, interbdd wh fresh cht, dull yel min fluor only, no stn, ns.
LM; tan to buff, lt brn, fxln, minor sucrosic text, fair to gd interxln 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, fxln, fair interxln 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 mtx ip, no fluor, ns, few pcs. of dk brn to dk gy cht
SH; med gy to gy grn, firm
LM; tan to lt brn, fxln, 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, interxln and occ vug por, occ chalky mtx, interbdd gy to tan cht, no fluor, ns.
LM; tan to off wh, buff, f to med xln, fair interxln and occ vug por, interbdd foss lmst, chalky ip, no stn or odor, ns.
SH; grn, gy grn, fiss
LM; lt to med brn, hd, blocky, scat grn 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 off wh, med xln, much soft chalky mtx, scat
conn
WOB 38K
PP 850#
SPM 60
RPM 85-90
conn
conn
Vis 48
Wt. 8.8
LCM 2#
conn
WOB 36K
PP 900#
SPM 60
RPM 80
conn
conn
Vis 49
Wt. 9.2
LCM 1#
conn
3700
3750
3800
3850
ROP (min/
Gamma (API)
0
10
0
150
C3
TG
C2
C1
TG, C1-C5
0.5
5
50
500

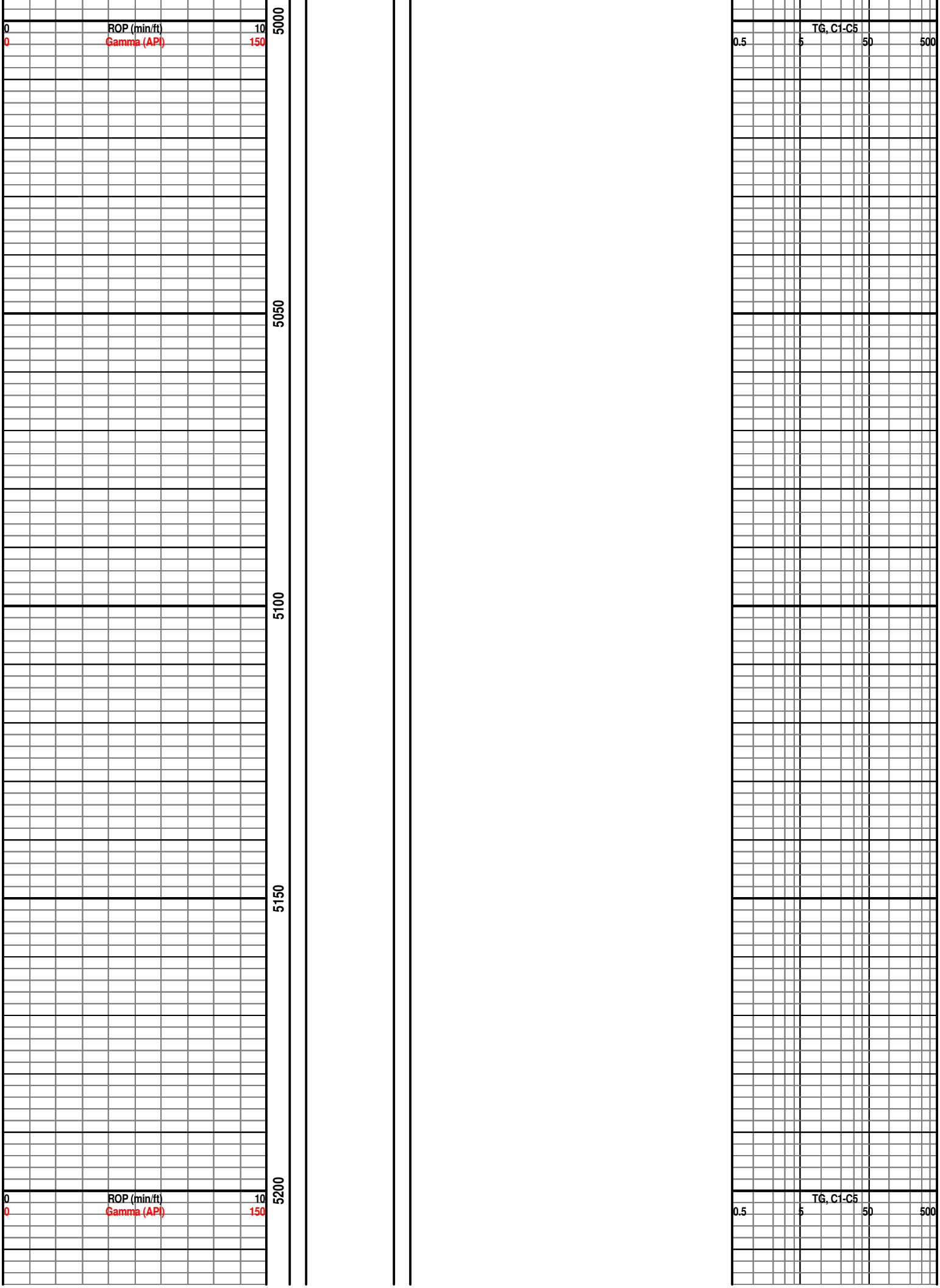

fair to gd interxln w/small vug por, dull yel min fluor only, ns.
LM; tan to buff, off wh, med xln, fair interxln por, much soft chalky mtx, dull yel min fluor, interbdd cse spar calc xtals, no stn or odor, ns.
conn
Vis 51
Wt. 9.1
LCM 1#
LM; tan to buff, off wh, f to med xln, some gd interxln and occ vug por, abnt soft chalk and chalky mtx, scat foss mat, dull yel min fluor only, no stn or odor, ns.
conn
WOB 38K
PP 900#
SPM 60
RPM 80
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.
Vis 48
Wt. 9.3
LCM 2#
conn
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.
0
ROP (min/ft)
10
0
Gamma (API)
150
TG, C1-C5
0.5
5
50
500
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.
conn
SH; dk gy, trc blk, platy, rare pyr
Vis 51
Wt. 9.3
LCM 1#
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 ip, soft to blocky, trc gas bubbles
12 Unit Incr.
Shale
LM; med brn, dense, foss ip, tite
conn
TORONTO 4059(-1835)
LM; off wh, tan, buff, fxln, scat foss mat, poor to fair interxln/interpart por, chalky mtx ip, dull yel min fluor, ns.
Recycle
A.V.= 123.5
LM; tan to cream, fxln, poor to fair interxln por, chalky-soft ip, no fluor, n.s
DOUGLAS SHALE 4078(-1854)
MudCo. Mud
Check at 4077'
Vis 52
Wt. 9.25
conn
WL 8.8
Cl 7800
PH 9.5
LCM 2#
SLTST; lt gy, soft, sandy, interbdd vf gr qtz ss clusters, mica ip, 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 ip, scat well cem foss mat, hd, no fluor, ns.
3900
3950
4000
4050
4100

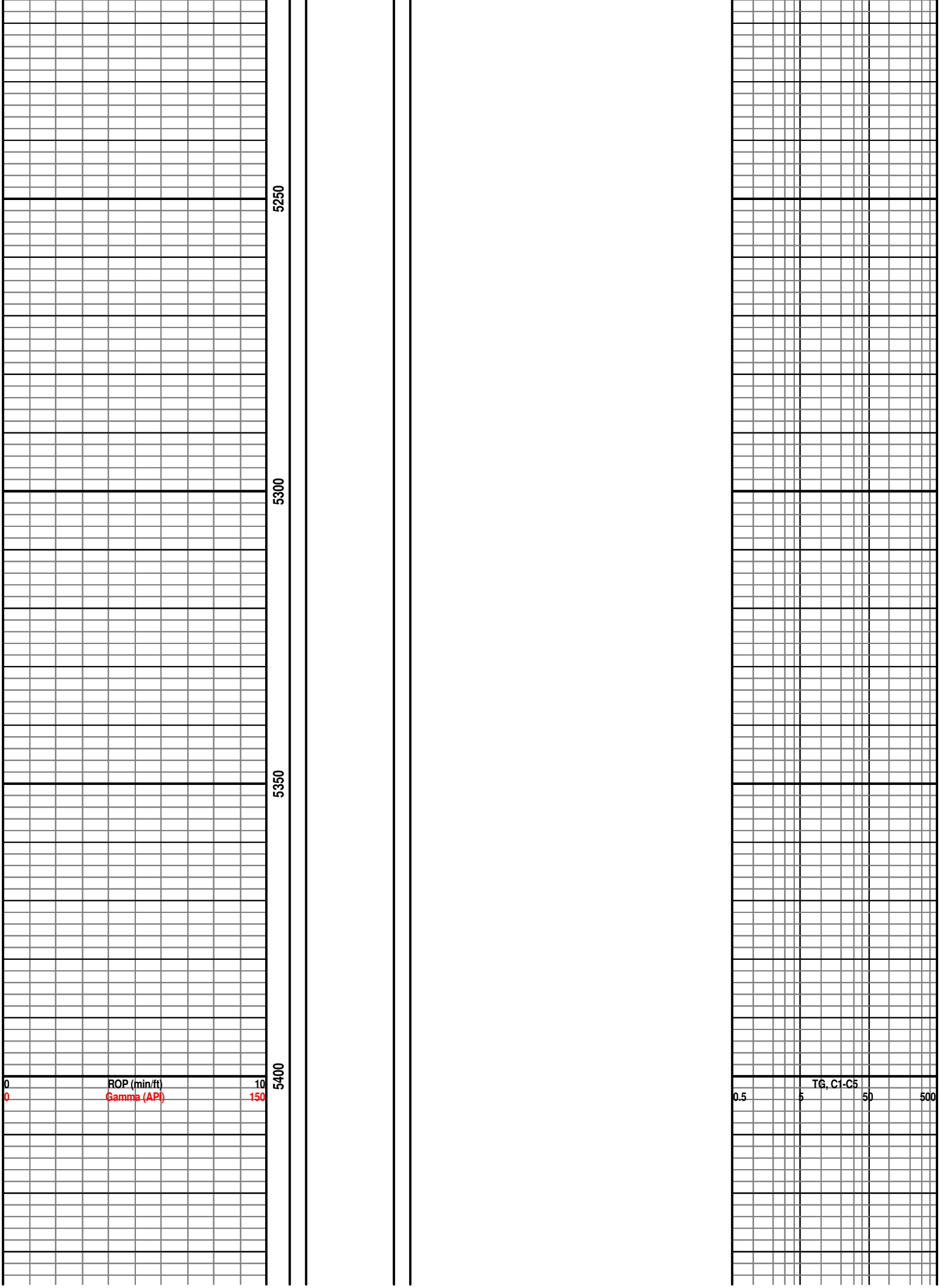

conn
WOB 38K
PP 925#
SPM 60
RPM 80
conn
Vis 52
Wt. 9.3
LCM 1#
conn
A.V.= 123.5
0
ROP (min/ft)
10
0
Gamma (API)
150
DST #1
Lans. 'A'
4206'- 4226'
conn
CFS. at 4226'
MudCo. Mud
Check at 4226'
Vis 100
Wt. 9.4
WL 15.6
Cl 10,100
PH 8.5
conn
LCM 1#
Vis 53
Wt. 9.2
LCM 2#
conn
WOB 38K
PP 900#
SPM 60
RPM 80
conn
Vis 46
Wt. 9.3
LCM 1#
4150
4200
4250
4300
SH; lt to med gy, silty, mica ip, w/interbdd sltst and vf gr qtz ss
SH; lt gy, soft, fiss, 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 ip.
BROWN LMST. 4197(-1973)
LM; med to dk brn, hd, micritic, tite
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 ip, 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, fiss
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, tite
SH; med gy to grn, fiss
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 oolicastic 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 soft chalky mtx, dull yel min fluor, no stn or odor,
Gas Test at Extractor
TG; C1-C5
0.5
5
50
500
200 Unit Incr.
SHOW
Recycle
B.U./Trip Gas
Recycle

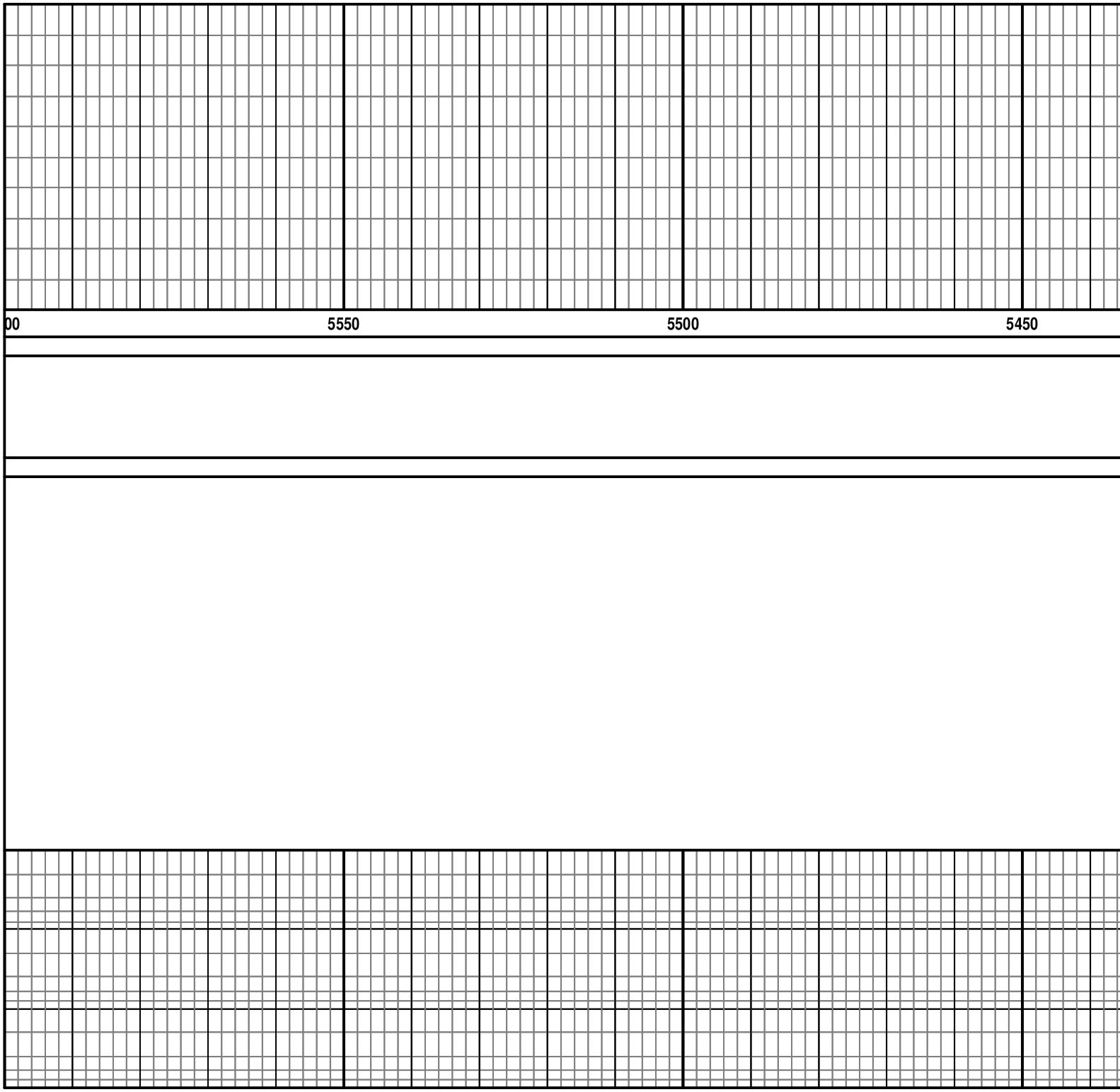

conn
WOB 38K
PP 925#
SPM 60
RPM 70-80
conn
Vis 43
Wt. 9.3
LCM 1#
ROP(min/ft)
Gamma (A
conn
DST #2
K.C. 'I'
4402' - 4423'
Straddle
Packer test
CFS. at 4423'
CFS. at 4437'
Vis 55
Wt. 9.2
LCM 1#
WOB 36K
PP 925#
SPM 60
RPM 75
conn
CFS. at 4479'
MudCo. Mud
Check at 4479'
Vis 59
Wt. 9.15
WL 9.2
CL 7400
PH 10.5
LCM 1#
Vis 55
Wt. 9.1
LCM 1#
conn
WOB 40K
4350
4400
4450
4500
4550
interbdd cse xln to gran lmst w/occ opaque spar calc xtals, ns.
SH; dk gy, trc blk, fiss
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 ip, 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 ip, 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, fiss
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 ip, 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 ip, 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
SH; blk, fiss, blocky ip, some carb
Poss. 2 Unit Incr.
TG, C1-C5
0.5
5
50
500
4 Unit Incr.
SHOW
12 Unit Incr.
Shale
No Gas Data -
Reboot Tooke Daq


PP 925#
SPM 60
RPM 75-80
conn
MudCo. Mud
conn
Check at 4595'
Vis 51
ROP (min/
Wt. 9.25
Gamma (A
WL 9.6
Cl 8900
PH 9.5
LCM 1#
conn
WOB 40K
PP 925#
SPM 60
RPM 80
conn
Vis 52
Wt. 9.3
LCM 1#
conn
WOB 40-42K
PP 1000#
SPM 60
RPM 80
conn
conn
Vis 51
Wt. 9.3
LCM 1#
0
0
10
150
4600
4650
4700
4750
TG C1-C5
0.5
5
50
500
Gas Test at
Extractor
4 Unit Incr.
Shale
10 Unit Incr.
Shale
11 Unit Incr.
Shale
HERTHA 4560(-2336)
LM; wh to off wh, fxln to partly sucrosic text, fair to gd interxln por, minor chalky mtx, 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, grn, dk gy, soft, some flakey, pyr ip.
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 mtx, lt yel min fluor, no stn or odor, ns.
SH; dk gy to blk, fiss
MARMATON 4643(-2419)
LM; lt grn, pale grn, hd, micritic, tite
SH; dk gy to blk, fiss, blocky, interbdd shaly lmst.
LM; tan to cream, lt brn, foss ip, 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 ip.
PAWNEE 4687(-2463)
LM; tan to lt brn, foss ip, 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 ip, trc pyr
FORT SCOTT 4714(-2490)
LM; lt brn, tan, foss ip, most hd, micritic, no vis por, no stn or odor, ns.
CHEROKEE SHALE 4725(-2501)
SH; blk, carb ip, platy, occ pyr w/grn to gy grn 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 fracs, occ blk tar/gilsonite, lt yel fluor, no odor, weak cut
SH; med gy, grn, firm to platy, interbdd tan lmst strngs.
CONGL; weathered grn lmst, fresh varic cht
MISSISSIPPI 4776(-2552)


DST #3
Miss. Chert
conn
4750' - 4806'
0
ROP (min/ft)
10
0
Gamma (API)
150
CFS. at 4806'
4800
4850
4900
4950
F
P
F
P
V
F
P
V
CHT; wh, off wh, opaque, fresh and trip cht(est. 15% trip, 85% fresh), fracs and fair trip por, faint gas odor, scat brite yel fluor, spotted med brn oil stn, no F.O., no vis gas bubbles
CHT; wh, off wh, incr. trip cht(25% est trip), fair trip por, much wh fresh fractured cht, scat brite yel fluor, faint sweet odor, fair cut, trc gas bubb.
CFS@4806': CHT; wh, off wh, sl. incr. in trip cht, fair p-p and rare vug por, fracs, SSFO, few gas bubbles, med to brite yel fluor, faint odor
12 Unit Incr.
Max.
SHOW
TG, C1-C5
0.5
5
50
500


0
ROP (min/ft)
10
0
Gamma (API)
150
5000
5050
5100
5150
5200
TG, C1-C5
0.5
5
50
500
0
ROP (min/ft)
10
0
Gamma (API)
150
TG, C1-C5
0.5
5
50
500


5250
5300
5350
5400
0
ROP (min/ft)
10
0
Gamma (API)
150
TG, C1-C5
0.5
5
50
500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KANSAS
CORPORATION COMMISSION

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