



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration nc.

32-27s-18w Kiowa Ks

P.O.Box 401
Fairfield Il.62837

Todd #3-32

Job Ticket: 44002

DST#: 1

ATTN: Jon Christensen

Test Start: 2011.10.03 @ 05:04:09

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:13:54

Time Test Ended: 13:00:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4212.00 ft (KB) To 4230.00 ft (KB) (TVD)

Reference Elevations: 2220.00 ft (KB)

Total Depth: 4230.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 49.35 psig @ 4213.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.03

End Date:

2011.10.03

Last Calib.: 2011.10.03

Start Time: 05:04:14

End Time:

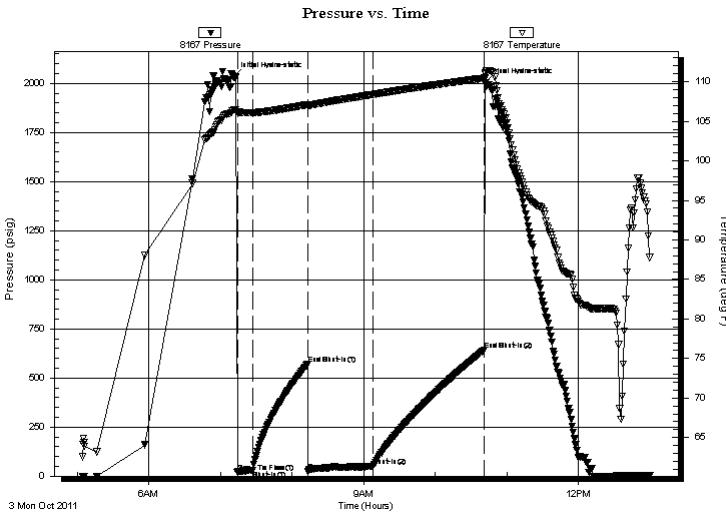
13:00:08

Time On Btm: 2011.10.03 @ 07:10:54

Time Off Btm: 2011.10.03 @ 10:42:09

TEST COMMENT: IF: Strong blow . B.O.B. in 5 - 10 secs.
IS: No blow .
FF: Strong blow . B.O.B. in 5 - 10 secs.
FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.68	106.45	Initial Hydro-static
3	18.06	106.11	Open To Flow (1)
16	29.41	106.08	Shut-In(1)
62	570.21	107.10	End Shut-In(1)
63	23.80	107.01	Open To Flow (2)
118	49.35	108.38	Shut-In(2)
210	641.43	110.45	End Shut-In(2)
212	2005.25	111.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GCM 3%g 97%m	0.30
0.00	1920 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 nc.

32-27s-18w Kiowa Ks

P.O.Box 401
Fairfield Il.62837

Todd #3-32

Job Ticket: 44002

DST#: 1

ATTN: Jon Christensen

Test Start: 2011.10.03 @ 05:04:09

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:

6600 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GCM 3%g 97%m	0.305
0.00	1920 ft.of GIP	0.000

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

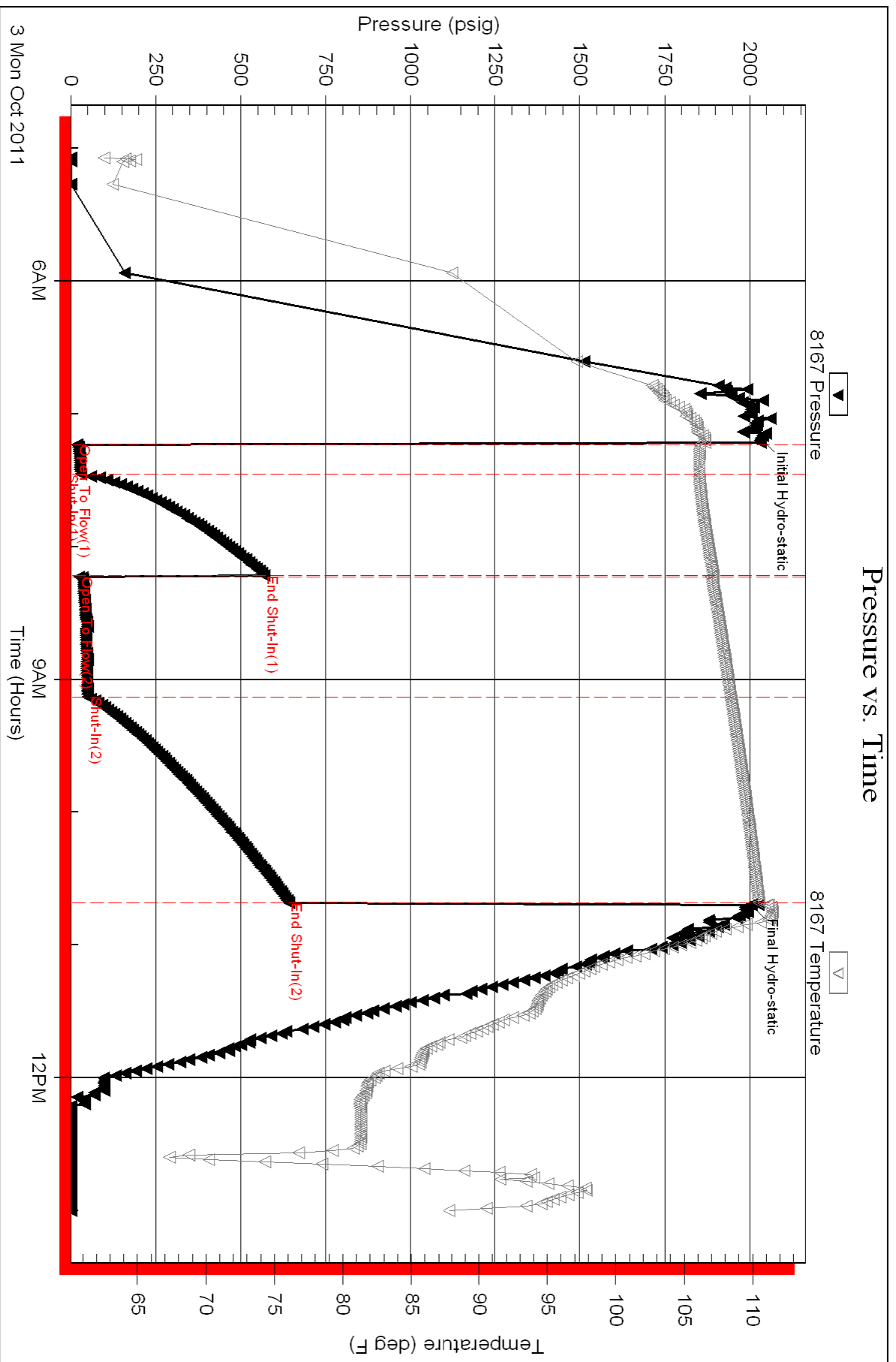
Inside

Strata Exploration nc.

Todd #3-32

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44002

Printed: 2011.10.03 @ 17:07:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration nc.

32-27s-18w Kiowa Ks

P.O.Box 401
Fairfield Il.62837

Todd #3-32

Job Ticket: 44003

DST#: 2

ATTN: Jon Christensen

Test Start: 2011.10.05 @ 10:37:35

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:49:05

Time Test Ended: 18:53:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4794.00 ft (KB) To 4817.00 ft (KB) (TVD)

Reference Elevations: 2220.00 ft (KB)

Total Depth: 4817.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167 Inside

Press @RunDepth: 30.51 psig @ 4795.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.05 End Date: 2011.10.05

Last Calib.: 2011.10.05

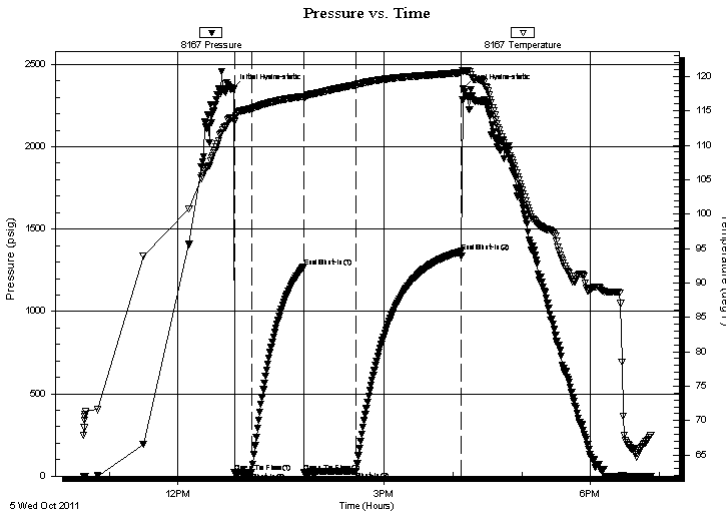
Start Time: 10:37:40 End Time: 18:53:04

Time On Btm: 2011.10.05 @ 12:47:35

Time Off Btm: 2011.10.05 @ 16:08:50

TEST COMMENT: IF:Strong blow . B.O.B. in 90 secs.
IS:No blow .
FF:Strong blow . B.O.B. in 2 secs.
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.39	113.89	Initial Hydro-static
2	20.95	113.40	Open To Flow (1)
17	24.41	115.35	Shut-In(1)
62	1270.93	117.11	End Shut-In(1)
63	20.87	116.85	Open To Flow (2)
108	30.51	118.77	Shut-In(2)
200	1364.27	120.54	End Shut-In(2)
202	2351.15	120.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilg.mud/ trace of oil	0.10
0.00	2340 ft.of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration nc.

32-27s-18w Kiowa Ks

P.O.Box 401
Fairfield Il.62837

Todd #3-32

Job Ticket: 44003

DST#: 2

ATTN: Jon Christensen

Test Start: 2011.10.05 @ 10:37:35

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:

6100 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Drig.mud/ trace of oil	0.098
0.00	2340 ft.of GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

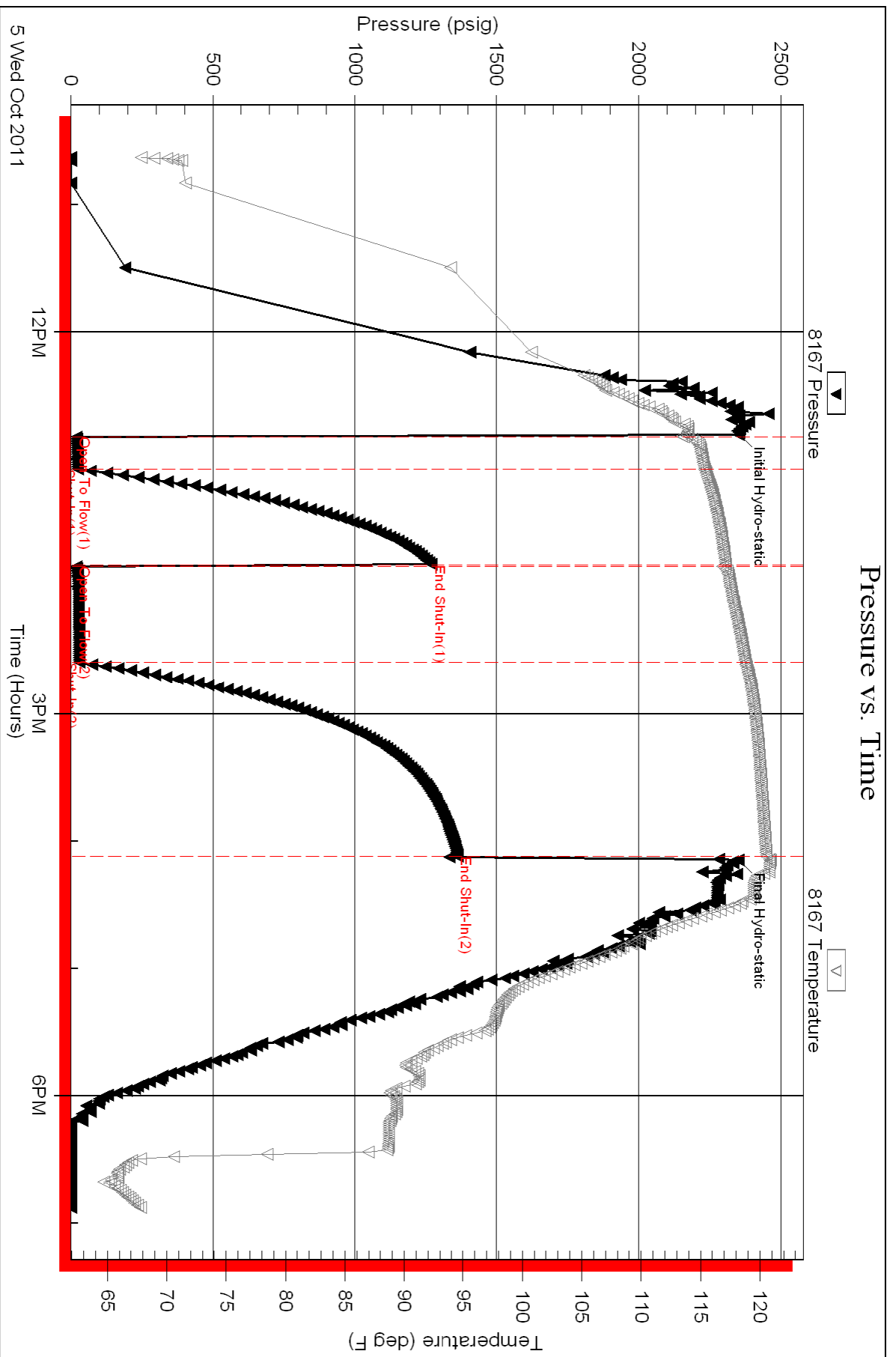
Serial #: 8167

Inside

Strata Exploration nc.

Todd #3-32

DST Test Number: 2





PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 09/30/2011
INVOICE NUMBER 1718 - 90714136		

PAID

10-20-11
FNB SA# 7652

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

J LEASE NAME Todd 3-32
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40376699	20920		Net - 30 days	10/30/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 09/27/2011 to 09/27/2011</i>				
0040376699				
171804457A Cement-New Well Casing/Pi 09/27/2011 8 5/8" Surface				
A Serv Lite	175.00	EA	10.01	1,751.75 T
Common	175.00	EA	12.32	2,156.00 T
Cello-flake	88.00	EA	2.85	250.71 T
Calcium Chloride	789.00	EA	0.81	637.91 T
Top Rubber Cement Plug 8 5/8"	1.00	EA	173.25	173.25
Baffle Plate Aluminum 8 5/8" (Blue)	1.00	EA	130.90	130.90
8 5/8" Basket (Blue)	1.00	EA	242.55	242.55
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.27	98.18
Heavy Equipment Mileage	60.00	MI	5.39	323.40
Depth Charge; 501-1000'	1.00	HR	924.00	924.00
Blending & Mixing Service Charge	350.00	MI	1.08	377.30
Plug Container Utilization Charge	1.00	EA	192.50	192.50
Proppant and Bulk Delivery Charges	477.00	MI	1.23	587.66
Supervisor	1.00	HR	134.75	134.75

LEASE 10/	TODD 3-32		LEV 5	P/P 10/10
DES CEMENT	8 5/8 SURFACE		A/P 10/18	D/D
DRL X	COM	LCE	G/L 71730/8,331	

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



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 04457 A

DATE _____ TICKET NO. _____

DATE OF JOB: 9-27-11	DISTRICT: KANSAS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: Strata Exploration		LEASE: TO DO # 3-32 WELL NO.					
ADDRESS:		COUNTY: Kiowa 32-27-18 STATE: Kansas					
CITY: STATE:		SERVICE CREW: Allen, Joe Dale					
AUTHORIZED BY:		JOB TYPE: 8 3/8 Surface CWV					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	9-27-11 DATE AM/PM TIME
# 28773 AU							145
33708-20920	1					ARRIVED AT JOB	9-27-11 AM/PM 345
19960-19918	1					START OPERATION	9-27-11 AM/PM 700
						FINISH OPERATION	9-27-11 AM/PM 800
						RELEASED	9-27-11 AM/PM 830
						MILES FROM STATION TO WELL	30-miles

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
CP108	A-Serv Lite	SK	175		\$ 2275.00
CR100	Common	SK	175		\$ 2800.00
CC102	cell Flake	lb	88		\$ 325.60
CC109	Calcium Chloride	lb	789		\$ 828.45
CP105	Top Rubber cont Plug 8 3/8"	EA	1		\$ 225.00
CP153	Baffle Plate Aluminum 8 3/8"	EA	1		\$ 170.00
CP1903	8 3/8" Basket Blue	EA	1		\$ 315.00
E100	unit mileage charge Pickup	mi	30		\$ 127.50
F100	Heavy Equip mileage chg.	mi	60		\$ 420.00
E115	Bulk Polysing Charge	TM	477		\$ 763.20
CE201	501-1000	4-hr	1		\$ 1200.00
CE240	Blending & mixing Service chg.	SK	350		\$ 490.00
CE504	Plug container utilization chg.	Job	1		\$ 250.00
5003	Service Supervisor first 8hrs	EA	1		\$ 125.00

CHEMICAL / ACID DATA:			

SUB TOTAL		ALS	\$7,980.56
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

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

FIELD SERVICE ORDER NO. _____

Customer <i>Strata Exploration</i>	Lease No.	Date <i>9-27-11</i>
Lease <i>TOOP</i>	Well # <i>3-32</i>	
Field Order # <i>#04457A</i>	Station <i>Pratt KS</i>	Casing <i>8 5/8"</i>
Type Job <i>8 5/8" surface</i>	Formation <i>CNW</i>	Depth <i>604'</i>
		County <i>RIOWA</i>
		State <i>KANS</i>
		Legal Description <i>22-27-18</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8"</i>	Tubing Size	Shots/Ft <i>175^{SK}</i>	Acid <i>A-Serv Lite @ 13.4 #</i>	RATE	PRESS	ISIP		
Depth <i>604'</i>	Depth	From <i>175</i>	To <i>SK common, 2% CC</i>	Max <i>1/4" C.F. @ 15.6 #</i>			5 Min.	
Volume <i>36 BB</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>500 #</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>PL</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>564"</i>	Packer Depth	From	To	Flush <i>Disp H2O</i>	Gas Volume		Total Load	

Customer Representative <i>Shane TP</i>	Station Manager <i>scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 33708 20920 19960 19918</i>		
Driver Names <i>Allen Joe Melsun Dale Phee</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>245 AM</i>					<i>onloc. Discuss Safety, Setup Plan 506</i>
					<i>→ Rig circ @ 609'</i>
<i>436</i>					<i>Start out of Hole w/ Bit</i>
<i>510</i>					<i>out of Hole, Rig up to run 8 5/8</i>
					<i>24" casing. Shoe Joint</i>
					<i>40' w/ Baffle in collar</i>
					<i>Basket 200' From surface.</i>
<i>536</i>					<i>Start csg. 8 5/8</i>
<i>650</i>					<i>Casing @ 604' circ w/ Rig.</i>
<i>700</i>	<i>700 #</i>		<i>51</i>	<i>5</i>	<i>Start mix 175 SKS A-Serv Lite 13.4 #</i>
				<i>5</i>	<i>Start mix 175 SKS common</i>
			<i>37 1/2</i>		<i>w/ 2% CC, 1/4" C.F. @ 15.6 #</i>
					<i>Finish mix, Drop Top Rubber Plug.</i>
<i>720</i>				<i>5</i>	<i>Start Disp.</i>
<i>730</i>	<i>500 #</i>		<i>36</i>	<i>3</i>	<i>Plug down</i>
					<i>Shut in @ well</i>
					<i>washup Equip & Rack up.</i>
<i>830</i>					<i>Job Complete</i>
				<i>4'</i>	
					<i>cement circ. To Pit</i>



PAGE	CUST NO	INVOICE DATE
1 of 1	1004072	10/11/2011
INVOICE NUMBER		
1718 - 90723027		

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

J LEASE NAME Todd 3-32
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

PAID
 10-31-11
 FINB SA# 7691

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40380849	19905		Net - 30 days	11/10/2011

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
					ASE	LE
<i>For Service Dates: 10/07/2011 to 10/07/2011</i>						
0040380849					10/14 TODD 3-32	5 10/20
					DES CEMENT LONGSTRIPS	A/P 10/26
					DRL COM COL 73.35/116041	D/D 13
171804464A Cement-New Well Casing/Pi 10/07/2011						
50/50 POZ			200.00	EA	8.69	1,737.90 T
60/40 POZ			50.00	EA	9.48	473.97 T
Cello-flake(POLEFLAKE-C)			50.00	EA	2.92	146.14 T
Cal-Set			840.00	EA	0.59	497.67 T
FLA-322			84.00	EA	5.92	497.67 T
KCL Potassium Chloride			453.00	EA	1.18	536.77 T
Gilsonite			1,200.00	EA	0.53	635.12 T
Mud Flush			1,000.00	EA	0.68	679.36 T
CS-1L KCL Substitute			5.00	EA	27.65	138.24 T
Latch Down Plug & Baffle 5 1/2"			1.00	EA	315.98	315.98
Auto Fill Float Shoe 5 1/2" (Blue)			1.00	EA	284.38	284.38
Turbolizer 5 1/2" (Blue)			12.00	EA	86.90	1,042.74
5 1/2" Basket (Blue)			1.00	EA	229.09	229.09
Heavy Equipment Mileage			60.00	MI	5.53	331.78
Proppant and Bulk Delivery Charge			317.00	MI	1.26	400.66
Blending & Mixing Service Charge			250.00	MI	1.11	276.48
Unit Mileage Charge-Pickups, Vans & Cars			30.00	HR	3.36	100.72
Plug Container Utilization Charge			1.00	EA	197.49	197.49
Depth Charge; 4001-5000'			1.00	HR	1,990.70	1,990.70
Service Supervisor			1.00	HR	138.24	138.24

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,651.10
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	390.03
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	11,041.13
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 04464 A

DATE _____ TICKET NO. _____

DATE OF JOB 10-7-11 DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER Strata Exploration		LEASE TOOD # 3-32 WELL NO.:							
ADDRESS		COUNTY Kiowa 32-27-18 STATE Kansas							
CITY STATE		SERVICE CREW Allen Mike, Dale							
AUTHORIZED BY		JOB TYPE: 5 1/2" Long String CNW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U.	2						10-6-11	PM	900
19903-19905	2					ARRIVED AT JOB	10-6-11	AM	1115
19960-19918	2					START OPERATION	10-7-11	AM	600
						FINISH OPERATION	10-7-11	AM	800
						RELEASED	10-7-11	AM	830
						MILES FROM STATION TO WELL			30-miles

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

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SIGNED: *Am Van*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP104	50/50 P02	SK	200		\$ 2200.00
CP103	60/40 P02	SK	50		\$ 600.00
CC102	cell Flake	lb	50		\$ 185.00
CC113	CAL-set	lb	840		\$ 630.00
CC129	FIA-322	lb	84		\$ 630.00
C700	KCL Potassium Chloride	lb	453		\$ 679.50
CC201	Gilsonite	lb	1200		\$ 804.00
CF607	Latch down Plug & Baffles 5/2" Blue	EA	1		\$ 400.00
CF1251	Auto Fill Float Sube 5/2" Blue	EA	1		\$ 360.00
CF1651	Turbolizer 5/2" Blue	EA	12		\$ 1320.00
CF1901	Basket 5/2" Blue	EA	1		\$ 290.00
CC151	MWD Flush	gal	1000		\$ 860.00
C704	CS-16 KCL sub	gal	5		\$ 175.00

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Allen F. Wood* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Am Van*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



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

FIELD SERVICE TICKET

1718 ~~04465~~ A

Continuation of
TICKET NO. 04464A

DATE OF JOB: 10-7-11	DISTRICT: KANSAS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: Strata Exploration		LEASE: T000 #3-32		WELL NO.:			
ADDRESS:		COUNTY: Kiowa 32-27-18		STATE: KANSAS			
CITY:		SERVICE CREW: Allen, Mike, Dale		JOB TYPE: 5 1/2" Long String			
AUTHORIZED BY:		TRUCK CALLED: DATE 10-6-11 AM 9:00					
EQUIPMENT#		HRS		EQUIPMENT#		HRS	
ARRIVED AT JOB: 10-6-11 AM 11:15		START OPERATION: 10-7-11 AM 6:00		FINISH OPERATION: 10-7-11 AM 8:00		RELEASED: 10-7-11 AM 8:30	
MILES FROM STATION TO WELL: 30-mile							

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

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SIGNED: *Allen*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E100	Unit mileage charge pickup	mi	30		\$127.50
E101	Heavy Equip mileage	mi	60		\$420.00
E113	Bulk Delivery Charge	Tm	317		\$566.40
CE205	Depth Charge 4001-5000'	4hr	1		\$2520.00
CE240	Blending + mixing service chg	\$K	250		\$350.00
CE504	Plug Container Utilization chg	Job	1		\$250.00
5003	Service Supervisor First 8hrs on/ka	ea	1		\$175.00

CHEMICAL / ACID DATA:			

SUB TOTAL \$110,651.10

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

TOTAL

SERVICE REPRESENTATIVE: *Allen & Worth*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Allen*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer <i>Strata Exploration</i>	Lease No.	Date
Lease <i>Todd</i>	Well # <i>3-32</i>	
Field Order # <i>04464A</i>	Station <i>Pratt KS</i>	Casing <i>5 1/2"</i>
Type Job <i>5 1/2" Long String</i>	Depth <i>4873.5</i>	County <i>Kiowa</i>
	Formation <i>cnw TO 4875'</i>	State <i>KS</i>
		Legal Description <i>52-27-18</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size " <i>5 1/2"</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>4873.5</i>	Depth	From	To	<i>24 BBl's mud Flush</i>		Max		5 Min.
Volume <i>116 BBl's</i>	Volume	From	To	Pre Pad		Min	<i>14#</i>	10 Min.
Max Press <i>1500#</i>	Max Press	From	To	<i>30 SKs 60/40</i>		Avg	<i>R. 11.</i>	15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	Frac		HHP Used		Annulus Pressure
Plug Depth <i>4868.5</i>	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative <i>Allen Vratil</i>	Station Manager <i>scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 19903 19905</i>	Driver Names <i>A. Worth Mike Mathal</i>	
	<i>Dale Pyle</i>	
	<i>19960 19918</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>11:15 am</i>					<i>on loc. Discuss Safety, Setup, Plan Job</i>
<i>12:30 am</i>					<i>Rigging down Drill Collars out of Hole, Lay down Kelly & mouse-hole</i>
<i>2:40</i>					<i>Rig up to Run 5 1/2" casing. Start 5 1/2" csg 1.5" 5" shoe Jt. 10' w/ float shoe, L.D. Baffle in collar cent-1-2-3-4-5-6-10-12-15-17-20-22</i>
<i>6:00</i>	<i>-</i>				<i>Basket on #8</i>
	<i>200#</i>		<i>24</i>	<i>5</i>	<i>TAGTD @ 4875 Pickup To 4873+ CIA</i>
			<i>5</i>	<i>5</i>	<i>Pump 24 BBl's mud flush</i>
				<i>5</i>	<i>Pump 5 BBl H2O spacer</i>
			<i>48</i>		<i>mit + pump 200SKs 50/50 P02 @ 14#</i>
<i>7:15</i>					<i>Finish mit, wash out Pump + line</i>
	<i>750#</i>			<i>6 3/4</i>	<i>Drop L.D. Plug, start 2% KCL Disp.</i>
<i>7:30</i>	<i>1500#</i>		<i>116</i>	<i>6</i>	<i>caught Liff PSI 84 BBl out</i>
	<i>0#</i>			<i>4</i>	<i>Plug down</i>
			<i>7</i>		<i>Release To TRK. OK</i>
			<i>5</i>		<i>Plug RH w/ 30 SKs 60/40</i>
					<i>Plug MN w/ 20 SKs 60/40</i>
<i>8:30</i>					<i>wash up + Rack up Equip. Job complete.</i>



PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 09/29/2011
INVOICE NUMBER 1718 - 90712076		

PAID
10-20-11
FNB SA # 7652

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

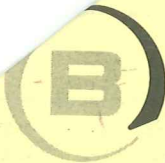
J LEASE NAME Todd 3-32
 O LOCATION
 B COUNTY Kiowa
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40375708	20920		Net - 30 days	10/29/2011

For Service Dates: 09/26/2011 to 09/26/2011	QTY	U of M	UNIT PRICE	INVOICE AMOUNT	
0040375708					
171804456A Cement-New Well Casing/Pi 09/26/2011 13 3/8" Conductor					
Common	300.00	EA	12.32	3,695.99	T
Cello-flake	75.00	EA	2.85	213.68	T
Calcium Chloride	564.00	EA	0.81	455.99	T
Unit Mileage Charge-Pickups, Vans & Cars	30.00	HR	3.27	98.18	
Heavy Equipment Mileage	60.00	MI	5.39	323.40	
Proppant and Bulk Delivery Charges	423.00	MI	1.23	521.14	
Depth Charge; 0-500'	1.00	HR	770.00	770.00	
Blending & Mixing Service Charge	300.00	MI	1.08	323.40	
Supervisor	1.00	HR	134.75	134.75	

LEASE 10/	TODD 3-32	LEV 5	P/P 10%
DES CEMENT 13 3/8" COND. CASINGS		A/P 10%	
DRL X	COM /	LOE	G/L 71230/6,855.22

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:		
BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702	SUB TOTAL	6,536.53
		TAX	318.69
		INVOICE TOTAL	6,855.22 ✓



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

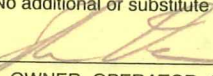
1718 04456 A

DATE _____ TICKET NO. _____

DATE OF JOB: 9-26-11		DISTRICT: KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Strata Exploration				LEASE: Todd		3-32		WELL NO.:	
ADDRESS:				COUNTY: Kiowa		3227-18		STATE: KANSAS	
CITY:				STATE:		SERVICE CREW: Allen, Joe, Dale			
AUTHORIZED BY:				JOB TYPE: 13 3/8" conductor		CROW			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 PU.	1						9-26-11	AM	730
23708 20920	1					ARRIVED AT JOB	9-26-11	AM	915
19960-19918	1					START OPERATION	9-27-11	AM	1200
						FINISH OPERATION	9-27-11	PM	100
						RELEASED	9-27-11	AM	145
						MILES FROM STATION TO WELL			30 miles

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

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

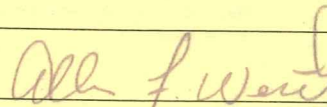
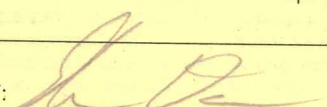
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100	Common	SK	300		\$ 4800.00
CC102	cell FLAKE	lb	75		\$ 277.50
CC109	Calcium Chloride	lb	564		\$ 592.20
E100	Unit mileage charge Pickup	mi	30		\$ 127.50
E101	Heavy equip. Mileage	mi	60		\$ 420.00
E113	Bulk Delivery charge	TM	423		\$ 676.80
CE200	Depth Charge 0-300'	4-hr	1		\$ 1000.00
CE240	Blending & mixing Service chg.	SK	300		\$ 420.00
S003	Service Supervisor first 8hrs	EA	1		\$ 175.00

SUB TOTAL **6536.53**

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

TOTAL

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE:  THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: 

FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer STATA Explor.	Lease No.	Date
Lease Todd	Well # 3-32	9-27-11
Field Order # #044-36A	Station Pratt KS	Casing 13 3/8
	Depth 224'	County Kiowa
Type Job 13 3/8" conductor	Formation CNW	Legal Description 32-27-18

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 13 3/8	Tubing Size	Shots/Ft 300		Acid 300 SKs Common	RATE 2% CC	PRESS 9/4 C.F.	ISIP	
Depth 224'	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 3380	Volume	From	To	Pad	Min		10 Min.	
Max Press 3000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection Sledge	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 214'	Packer Depth	From	To	Flush Disp N2O	Gas Volume		Total Load	

Customer Representative SHANE "TP"	Station Manager scotty	Treater Allen
Service Units 28443	33708	20920
Driver Names Allen	Joe	Molson
	Dale	Phye

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:15					ON Loc. Discuss Safety Setup, Plan Job.
1:00					Hole cut circ w/ Rig. @ 224'
1:15					come out of Hole w/ Bit
					out of Hole w/ Bit
					setup to Run 13 3/8" 54.50'
1:30					start casing.
1:28					Casing @ 224' Hookup & circ w/ Rig
				3 1/2	start mixing 300 SKs common
			64		w/ 2% CC, 9/4" C.F @ 15.6 gpm
12:35				6	Finish mix cmt
12:45			33	4	start Disp.
					Pump 33 Bbls Plug down
					shut in @ well
1:45					Knock Loose wash up Equip.
					Job complete
					Thanks Allen, Joe, Dale
					CMT CIR. TO PIT

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Todd #3-32
Location: 1910' FSL & 660' FEL, Sec. 32-T27S-R18W, Kiowa Co., KS.
Licence Number: 15-097-21708 Region: Einsel Field
Spud Date: 9/26/2011 Drilling Completed: 10/6/2011
Surface Coordinates: 1910' FSL & 660' FEL, Sec. 32-T27S-R18W

Bottom Hole Same as above
Coordinates:
Ground Elevation (ft): 2209' K.B. Elevation (ft): 2220'
Logged Interval (ft): 3300' To: 4875' Total Depth (ft): 4875'
Formation: Kinderhook at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3300'; Chemical Mud 3300' to 4875'.

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

OPERATOR

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

GEOLOGIST

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

Cores

None Taken

DSTs

DST #1(Lansing 'A') 4209' - 4227'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/10 Sec., FFP Strong Blow BOB/10 Sec., no Gas to Surface, no Blowback on SI's; REC: 1920' Gas in Pipe, 62' SGCM(3%G, 97%M), no Water; IFP 18-29#, ISIP 570#, FFP 24-49#, FSIP 641#, IHP 2033#, FHP 2005#, BHT 111 Deg. F.

DST #2(Miss. Chert) 4791' - 4814'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/1.5 Min., FFP Strong Blow BOB/2 Sec., no Gas to Surface, no Blowback on SI's; REC: 2340' Gas in Pipe, 20' SGCM with a trace of oil, no water; IFP 21-24#, ISIP 1271#, FFP 21-31#, FSIP 1364#(still building), IHP 2351#, FHP 2351#, BHT 121 Deg.

Comments

9/26/11 MIRU Sterling Drilling Co. Rig #2, Spud at 4:15 PM; 9/27/11 TD. 229' - WOC; 9/28/11 Drilling at 618'; 9/29/11 Drilling at 1915'; 9/30/11 Drilling at 2501'; 10/1/11 Drilling at 3240'; 10/2/11 Drilling at 3843'; 10/3/11 TD. 4230' - TIH for DST #1; 10/4/11 Drilling at 4470'; 10/5/11 TD. 4817' - CCH for DST #2; 10/6/11 RTD. 4875' - Rig up Loggers(Halliburton); 10/7/11 RTD. 4875'/LTD 4873' - Cementing 5 1/2" Production Casing.

Set 13 3/8"(54.5#) Conductor at 224' w/300 sx. cement(Basic Energy Services). Cement did Circulate. PD. 12:45 AM. 9/27/11.

Set 8 5/8" (24#) Surface Casing at 604' w/350 sx. cement(Basic Energy Services). PD. 7:30 PM. 9/27/11.

Set new 5 1/2"(15.5#) Production Casing at 4873' w/200 sx. "Strata Blend". PD. 7:30 AM. 10/7/11.

Surveys: 0.75 Deg. at 229(Conductor Casing); 1.25 Deg. at 618'(8 5/8" Surface Casing); 1 Deg. at 4230'(DST #1); 1.25 Deg. at 4817'(DST #2).



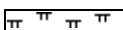
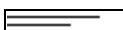
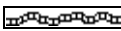




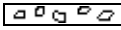


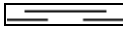



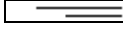

Pipe Strap at 4230'(DST #1): Strap 1.53' Short to the Board, no correction made to the Board.

After review of the Halliburton Logs, DST data, lease position and indications of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2" Production Casing for completion in the Mississippi Chert.






































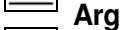




















LOG TOPS: Chase 2440(-220), Stotler 3399(-1179), Howard 3606(-1386), Heebner Shale 4046(-1826), Toronto 4058(-1838), Brown Lmst. 4198(-1978), Lansing 'A' 4206(-1986), Lans/KC. 'H' 4370(-2150), KC 'I' 4419(-2199), Stark Shale 4507(-2287), Swope 4516(-2296), Hertha 4568(-2348), Base Kansas City 4600(-2380), Marmaton 4648(-2428), Pawnee 4694(-2474), Cherokee Shale 4732(-2512), Miss. Chert 4786(-2566), Kinderhook Shale 4822(-2602), Kinderhook Sand 4844(-2624).

NOTE: This log was shifted upward by 2' - 3' for correlation purposes with the Halliburton LOGS.










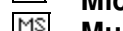



ROCK TYPES

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

ACCESSORIES

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

TEXTURE

 Sltstrg
 Ssstrg
 Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

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

- [V] Vuggy
SORTING
 [W] Well
 [M] Moderate
 [P] Poor

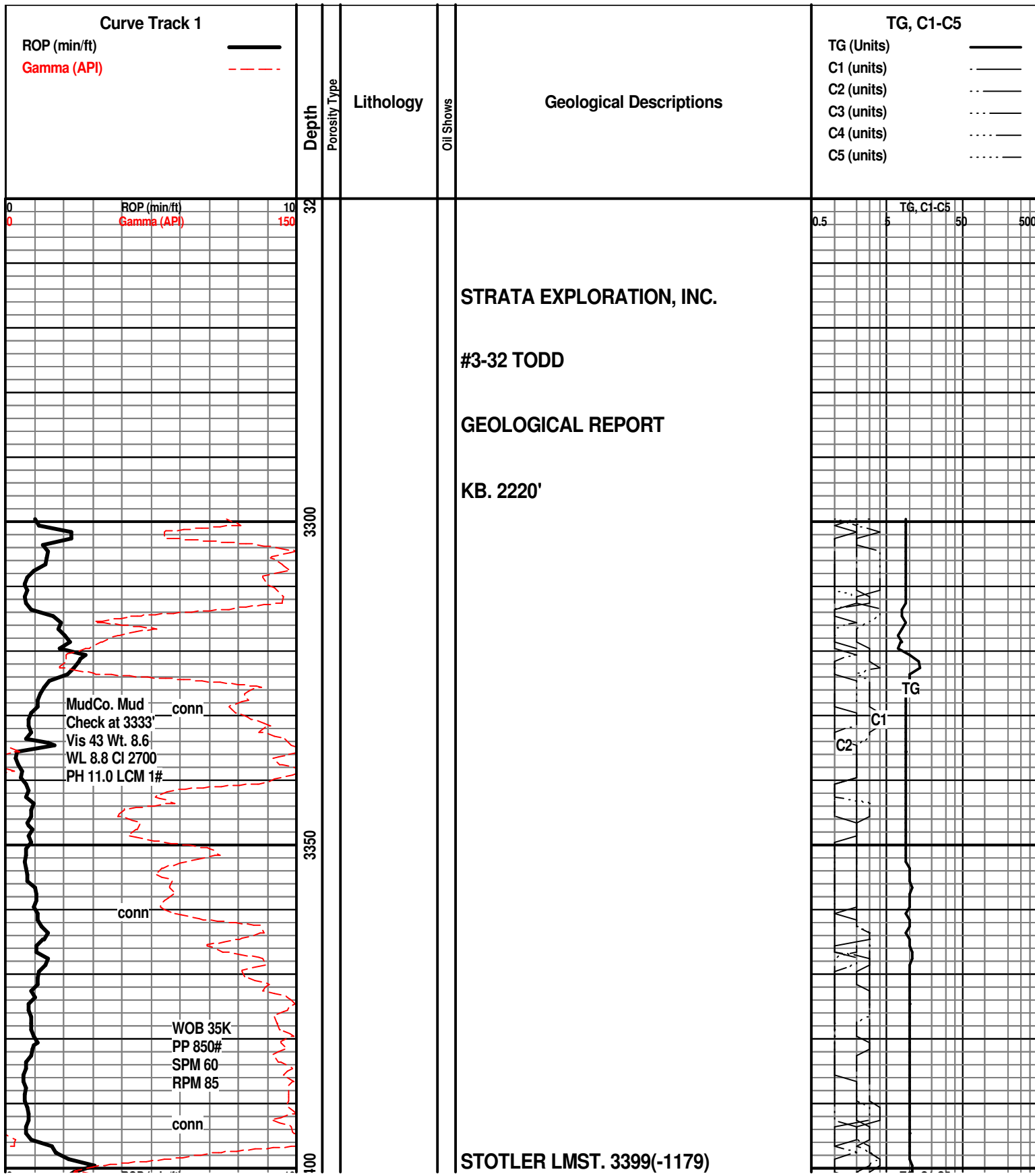
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

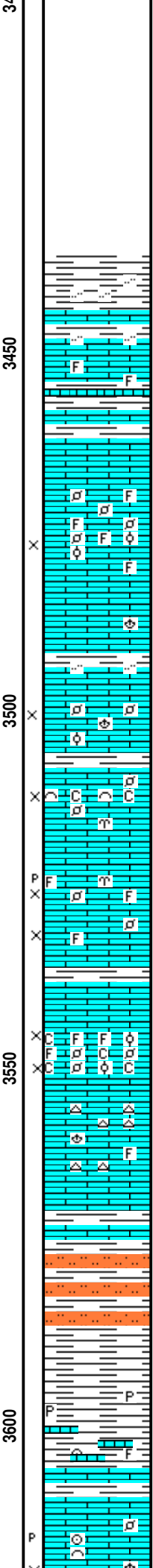
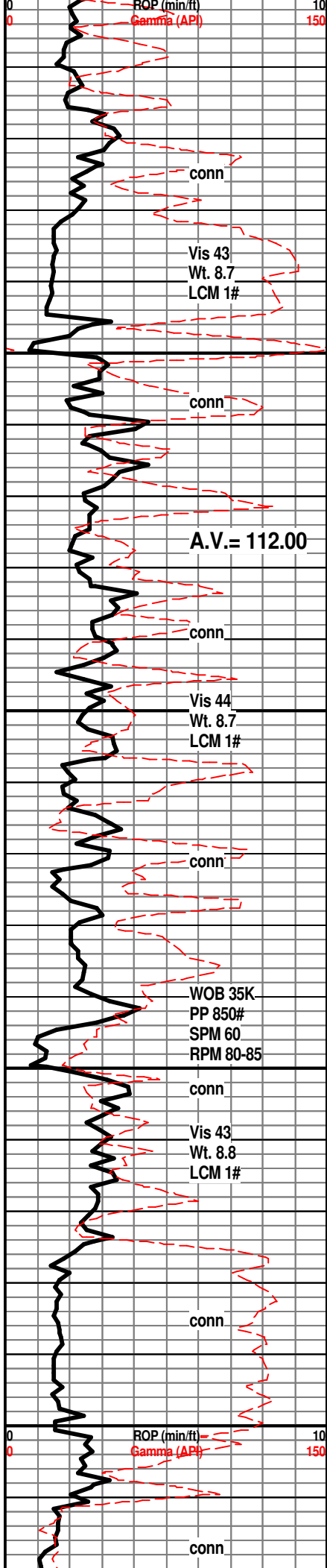
- [S] Spotted
 [Q] Ques
 [D] Dead

- EVENT**
 [Rft] Rft
 [Sd] Sidewall

- INTERVAL**
 [C] Core
 [D] Dst

- OIL SHOW**
 [E] Even





SH; med gy, fiss, occ silty

10' Samples Start at 3450'

LM; lt to med brn, rare gy brn, hd, foss ip, ns.

SH; lt gy, grn, fiss, soft

LM; med to dk brn, dense, hd, micritic, tite

LM; tan to off wh, v. foss, scat pellets and occ ooids, poor interpart por, scat lt yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to lt brn, buff, fxl n to micritic, hd, no vis por, no fluor, ns.

SH; grn, soft, silty

LM; tan to lt brn, gy brn, scat foss mat, poor to occ fair interpart por, no stn or odor, scat lt yel min fluor, ns.

LM; lt brn, gy brn, buff, v. foss, scat fair interpart por, minor soft chalky mtx, lt yel fluor, no stn, ns.

LM; lt to med gy, gy brn, fxl n, scat foss, occ fair interpart w/p-p por, no stn or odor, lt yel fluor, ns.

LM; wh, off wh, highly foss - partly oolitic, gd interpart por, much soft chalky mtx, lt yel min fluor only, no stn or odor, no gas kick, ns.

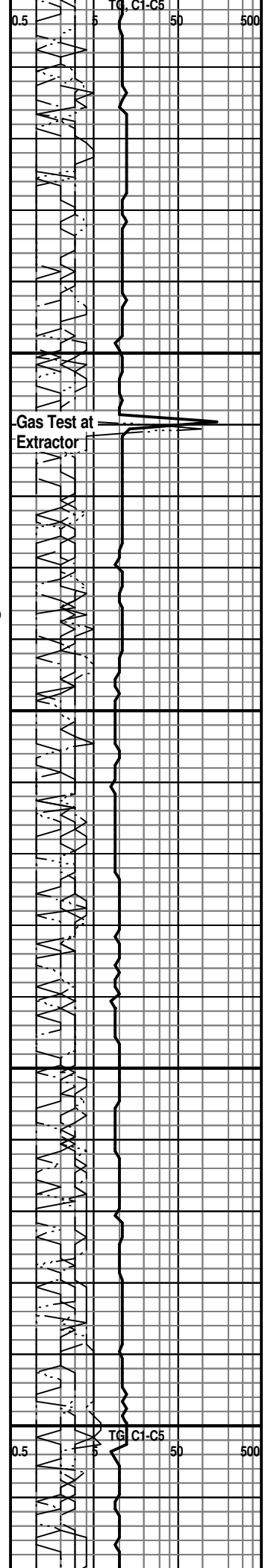
LM; off wh, tan, foss ip, most dense, scat wh to off wh fresh cht, spotted lt yel fluor, no stn or odor, ns.

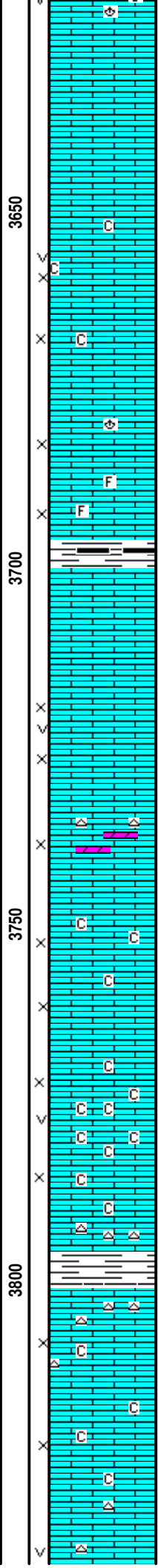
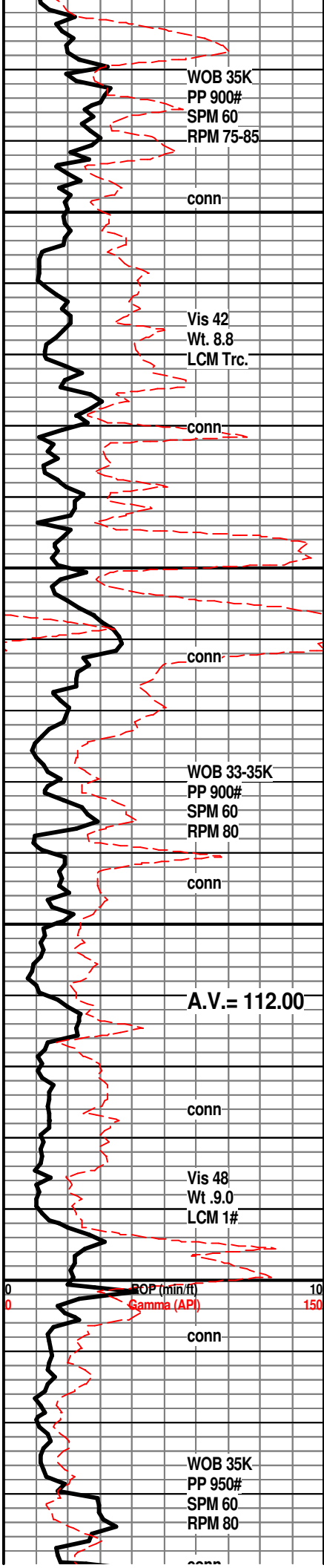
SH; med gy to grn, firm, occ silty, interbdd sltst, platy

SH; lt to med gy grn, fiss, occ pyr

HOWARD 3606(-1386)

LM; wh to off wh, foss to med xln, scat fair p-p and vug por(fair interconn), lt yel fluor, no stn or odor, no gas kick, ns.





LM; tan to buff, rare lt brn, hd, blocky, most massive bdd, no vis por, tite

LM; off wh, tan, buff, med xln, scat cse spar calc xtals, fair interxln por, minor soft chalky mtx, occ vug por, lt yel min fluor only, ns.

LM; tan to off wh, lt brn, med xln, some gran text, fair interxln por, scat foss mat, no stn or odor, ns.

SH; dk gy, trc blk, platy
TOPEKA 3700(-1480)

LM; tan to lt brn, hd, blocky, trc tan cht, tite

LM; off wh, tan to lt brn, f to med xln, fair to gd interxln w/scat vug por, lt yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to lt brn, buff, fxln w/scat sucrosic text, partly dolomitic, fair interxln por, scat lt to med yel min fluor, no stn or odor, no gas kick, ns.

LM; lt brn, buff, f to med xln, fair to gd interxln por, minor soft chalky mtx, no stn, ns.

LM; tan to lt brn, buff, f to med xln, scat gd interxln w/occ vug por, chalky soft mtx, no fluor, ns.

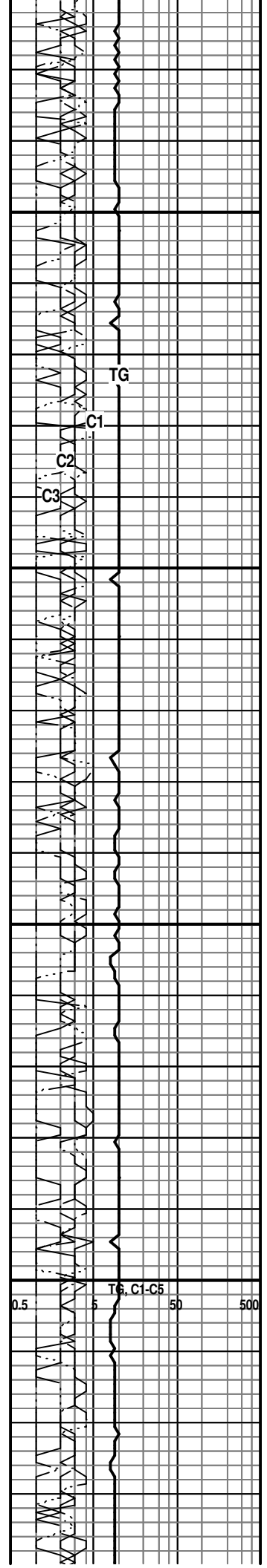
LM; lt brn, hd, micritic, cherty ip, tite

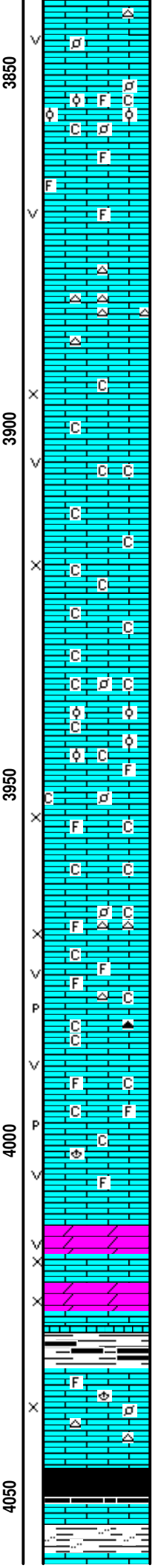
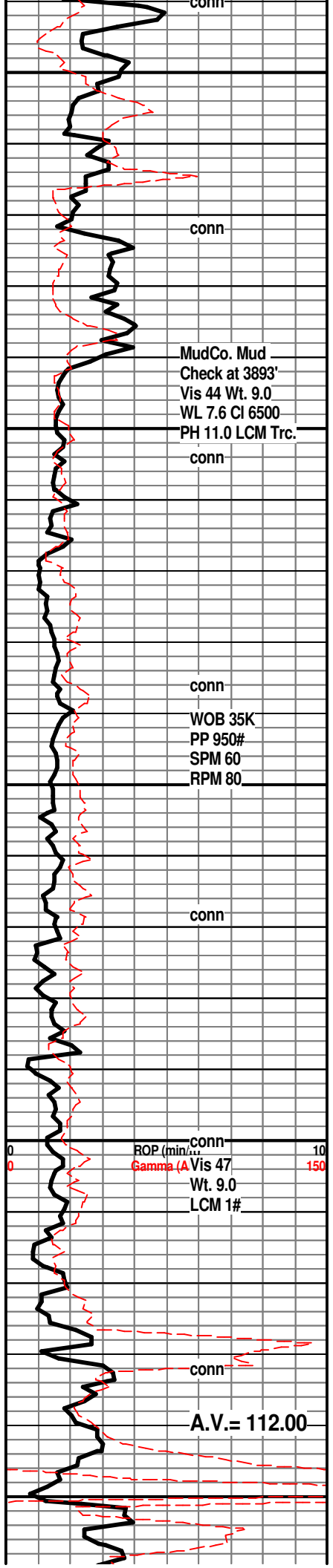
SH; med to dk gy, platy, firm

LM; tan to buff, lt brn, f to med xln, scat cse spar calc xtals, occ gd interxln por, cherty ip, dull yel to no fluor, chalky mtx, no stn or odor, ns.

LM; lt brn, tan, rare off wh, f to med xln, scat sucrosic text, fair to gd interxln por, lt yel min fluor, ns.

LM; lt to med gy, most dense, scat med size vug por,





occ cherty, dull yel to no fluor, no stn, ns.

LM; tan, lt gy brn, off wh, foss w/scat pelletal to partly oolitic lmst, fair interpart por, soft chalky mtx ip, no fluor, no stn or odor, ns.

LM; tan to lt gy, foss ip, scat fair vug por, lt yel fluor, no stn, ns.

LM; tan to lt brn, blocky, occ wh/gy foss fresh cht, no vis por, ns.

LM; tan to cream, buff, med xln, chalky soft mtx ip, fair interxln w/scat vug por, rare cse spar calc xtals, dull yel min fluor, no stn or odor, no gas kick, ns.

LM; tan to buff, f to med xln, fair interxln por, chalky mtx, soft ip, scat wh to off wh cht, no fluor, no stn or odor, ns.

LM; tan to cream, buff, med to cse xln, scat foss - pellets and foss hash, chalky soft mtx, fair interpart por, occ cherty, no fluor, no stn or odor, ns.

LM; tan to lt brn, buff, f to med xln, scat gd interxln w/occ vug por, rarely foss, chalky - soft mtx, dull yel min fluor, scat off wh to dk gy cht, ns.

LM; tan, buff, lt brn, med to occ cse xln, fair interxln por, interbdd foss lmst w/gd interpart/vug and occ p-p por, lt yel min fluor, no stn or odor, ns.

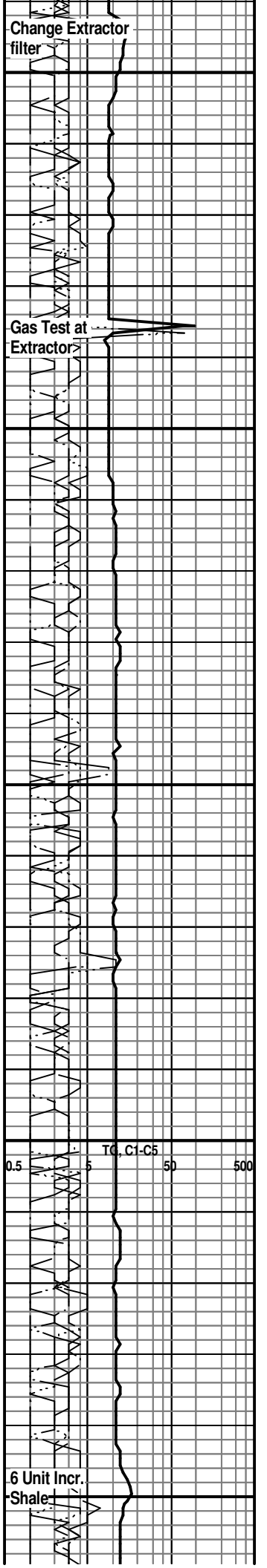
DOL; lt gy to lt gy brn, sucrosic to finely rhombic, gd interxln w/scat vug por, interbdd cse opaque spar calc xtals, pale yel min fluor, no stn, ns.

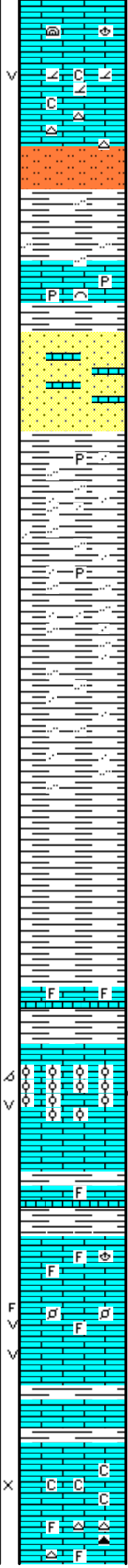
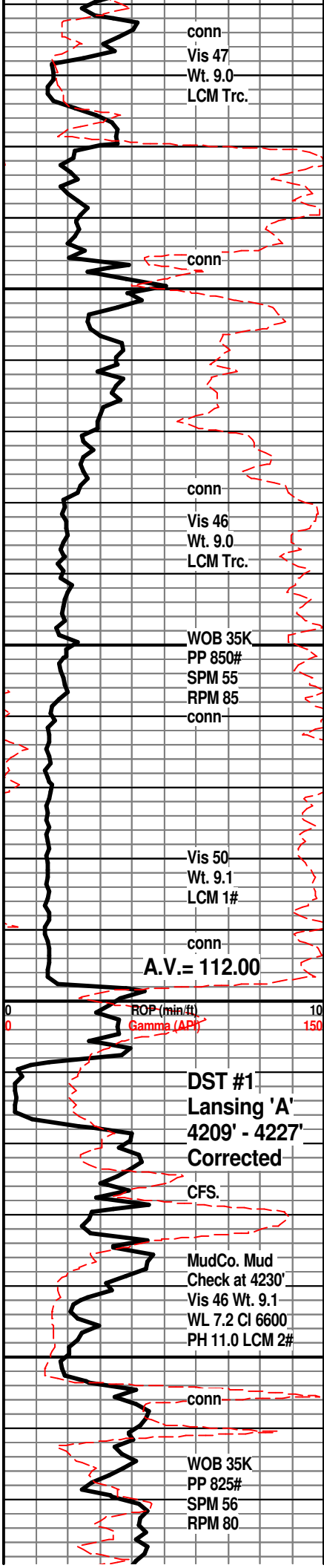
SH; dk gy, occ blk, platy

LM; tan to lt brn, foss ip, most f to occ med xln, poor to fair interxln por, trc wh cht, no fluor, no stn or odor, ns.

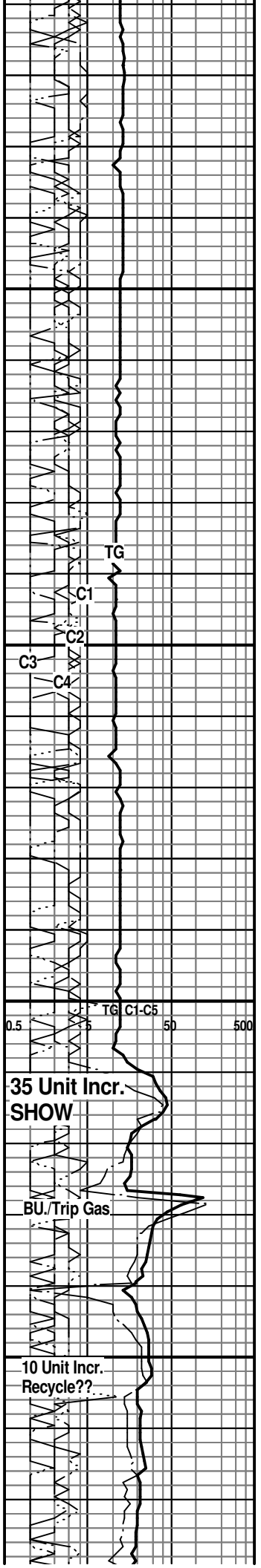
HEEBNER SHALE 4046(-1826)
SH; blk, carb ip, platy
LM; med brn, med gy brn, hd, dense
SH; lt to med grn, gy grn, silty ip.

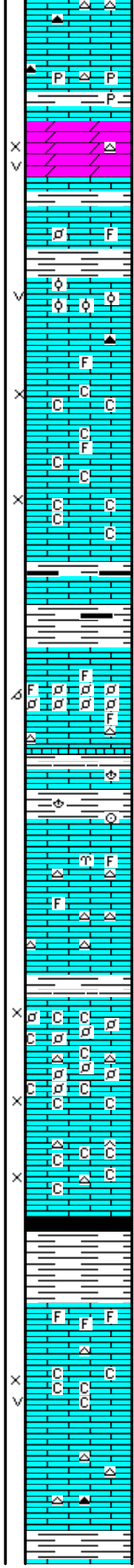
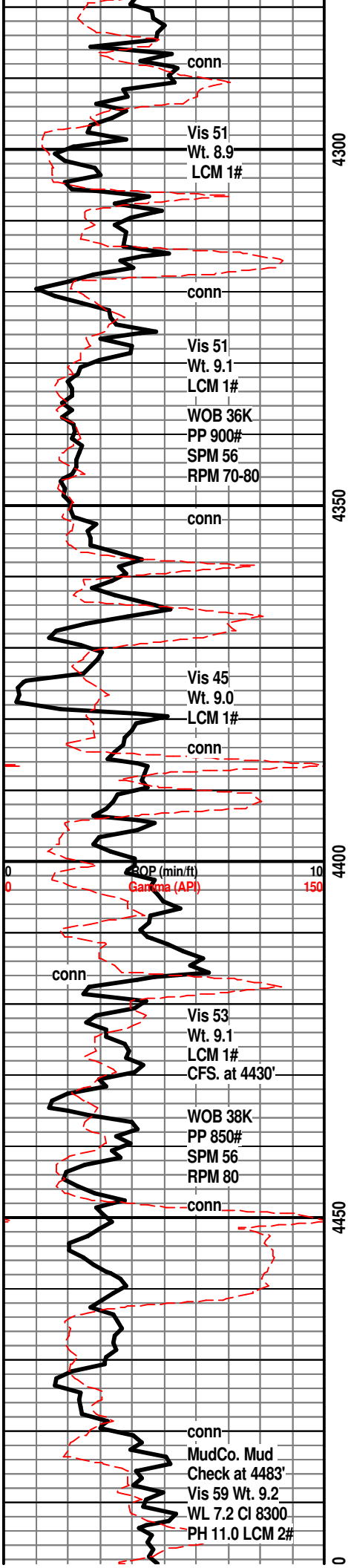
TORONTO 4058(-1838)





TORONTO 4030(-1830)
 LM; med brn, hd, foss, well cem, tite
 LM; lt gy, off wh, wh, fxln to sucrosic text, partly dolomitic, scat fair vug por, chalky mtz ip, lt yel fluor, no stn or odor, ns.
DOUGLAS SHALE 4080(-1860)
 SLTST; lt gy, soft, platy, occ mica
 SH; lt to med gy, fiss, soft, occ silty
 LM; med gy, gy brn, foss, hd, pyr ip.
 SS; lt gy, vf gr qtz, hd, well cem, calc, interbdd hd sandy lmst, mica ip, tite
 SH; lt to med gy, firm, platy, silty to sandy, rarely pyr
 SH; most med gy, firm, silty to sandy
 SH; lt to med gy, grn, platy, occ foss w/rare carb strks.
 SH; med gy, soft, flakey, rarely silty
BROWN LMST. 4198(-1978)
 LM; med to dk brn, foss ip, hd, blocky
LANSING 'A' 4206(-1986)
 LM; tan to med brn, oolitic, med to lrg molds, well dev. oomoldic por, occ vug por, brittle, med to brite yel fluor, few gas bubbles, rare spotted med brn stn, no odor, poor/no cut, pred. gas show
DST #1: Lansing 'A': 4209' - 4227' Corrected Depths to LOG
LANSING 'B' 4233(-2013)
 LM; tan to buff, lt gy, hd, most micritic, rare well cem foss, no vis por, ns.
 LM; lt gy, lt gy brn, foss ip, scat frac w/cse spar caltals on frac faces, well dev. vuggy lmst also, lt yel fluor, no stn or odor, barren, no sample shows
 SH; dk gy, dk gy grn, platy
 LM; off wh, wh, tan, med xln, fair interxln por, much soft chalky mtz, dull yel fluor, no stn or odor, ns.
 LM; tan to lt brn, most dense, scat well cem foss mat,





cherty w/gy to smoky cht, tite

LM; med to dk brn, hd, occ pyr, dense, cherty

SH; dk gy, fiss, occ pyr

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

LM; med brn, rare gy brn, foss ip, most dense,

LM; lt brn, lt gy brn, fxln, well dev. vug por, oolitic ip, scat cse spar calc xtals and overgrowths, lt yel min fluor, no stn, ns.

LM; off wh, tan, f to med xln, fair interxln por, much soft chalky mtx, rarely foss, dull yel min fluor, no stn, no gas kick, ns.

LM; off wh, wh, tan, f to med xln, rare gran text, fair interxln por, chalky-soft, ns.

SH; dk gy, trc blk, fiss

LANS/KC. 'H' 4370(-2150)

LM; tan to buff, rare lt gy, oolitic to oolitic, much foss hash w/oolites, gd oomoldic por, brittle, lt yel min fluor only, no stn or odor, no gas kick, ns.

SH; med to dk gy, platy, occ foss

LM; tan to buff, fxln, scat well cem foss mat, cherty ip, most dense, no vis por, no fluor, ns.

LM; tan to lt brn, blocky, occ cherty, most tite, ns.

KC. 'I' 4419(-2199)

LM; off wh, buff, foss - finely pelletal, much soft chalky mtx, poor vis interpart por, most well cem - tite, dull yel fluor, no stn or odor, no gas kick, ns.

LM; tan to buff, off wh, f to med xln, rarely foss, soft chalky mtx ip, no fluor, no stn or odor, no gas kick, ns.

LM; wh, off wh, tan, fxln, v. soft - chalky mtx, trc poor interxln por, no fluor, no stn, ns.

SH; dk gy-blk, platy, firm

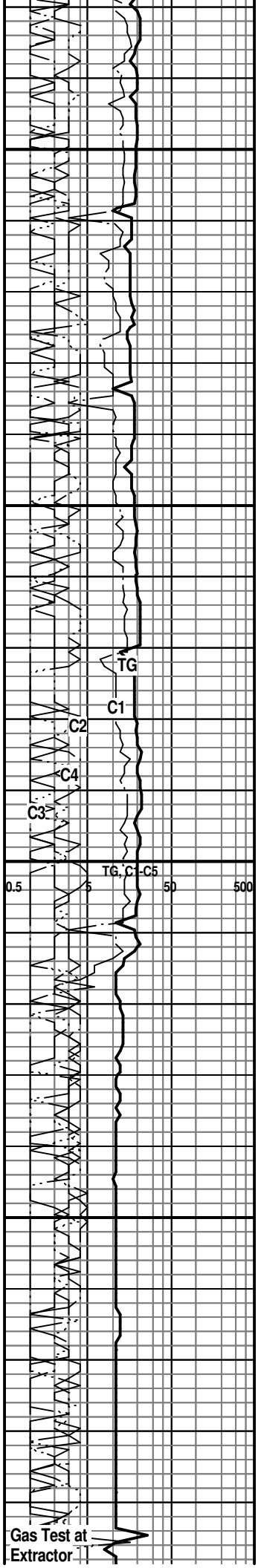
KC. 'J' DENNIS 4462(-2242)

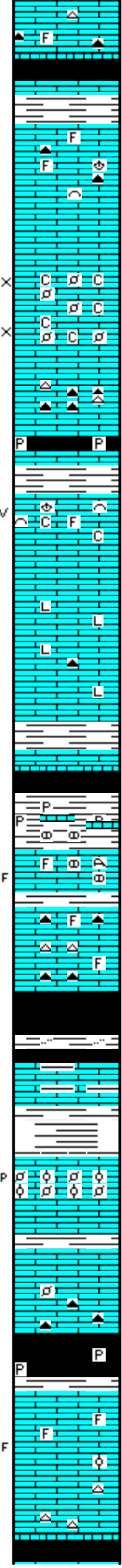
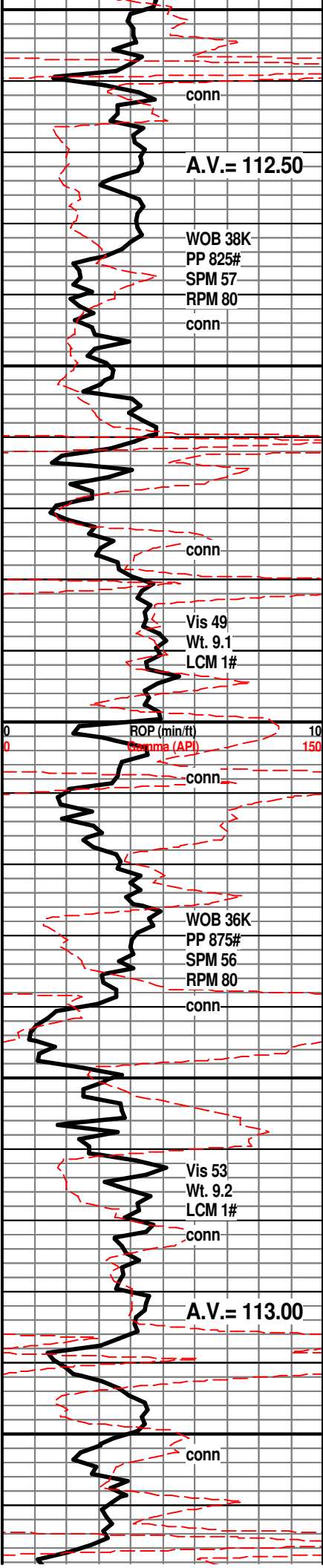
LM; tan to lt brn, buff, foss ip, well cem, no vis por, scat tan cht, no fluor, ns.

LM; tan to cream, off wh, med xln, gd interxln w/scat vug por, soft chalky mtx ip, no fluor, no stn or odor, no gas kick, ns.

LM; lt to med brn, hd, blocky, scat tan/amber cht, tite(faint odor in samples - ??)

SH; med gy, gy brn, lmy





LM; med brn, hd, micritic, scat tan/amber cht

STARK SHALE 4507(-2287)

SH; blk, carb ip, platy

SWOPE 4516(-2296)

LM; lt to med gy brn, med brn, foss ip, most well cem, scat amber/brn fresh cht, no fluor, ns.

LM; tan to buff, off wh, f to med xln, fair interxln por, much soft chalky mtz, occ small foss. pellets, trc. lt brn oil stn(very scattered - rare), dull yel fluor, no gas kick, quest. odor, no cut

LM; lt brn, buff, hd, most micritic, blocky, occ amber to tan cht, tite

SH; blk, carb ip, occ pyr

HERTHA 4568(-2348)

LM; wh, off wh, buff, fxln, scat cse foss frags, minor chalky mtz, scat vug por, lt yel min fluor, no stn or odor, no gas kick, ns.

LM; med to dk brn, rare dk gy, dense, litho, hd, trc blk cht, tite

BASE KANSAS CITY 4600(-2380)

LM; dk brn, dk gy brn, hd, blocky, tite

SH; med gy grn, blk, pyr ip, fiss to flakey, interbdd nodular brn/gy lmst.

PLEASANTON 4618(-2398)

LM; lt to med brn, foss ip, most micritic, blocky, scat lt yel fluor, no vis stn, trc frags w/cse spar calc xtals, poss faint fleeting odor

LM; med brn, foss, well cem, scat amber/smoky/gy cht, hd, no vis por, no fluor, n.s

SH; dk gy, blk, grn, soft, silty ip.

MARMATON 4648(-2428)

LM; med brn, pale grn tint, argil ip, hd, blocky

SH; med gy, grn, some varic. sh

LM; tan to lt brn, buff, foss - oolitic ip, occ pelletal, most well cem, scat p-p por, lt to med yel fluor, rare dk brn oil stn, no odor, weak/no cut, most looks tite

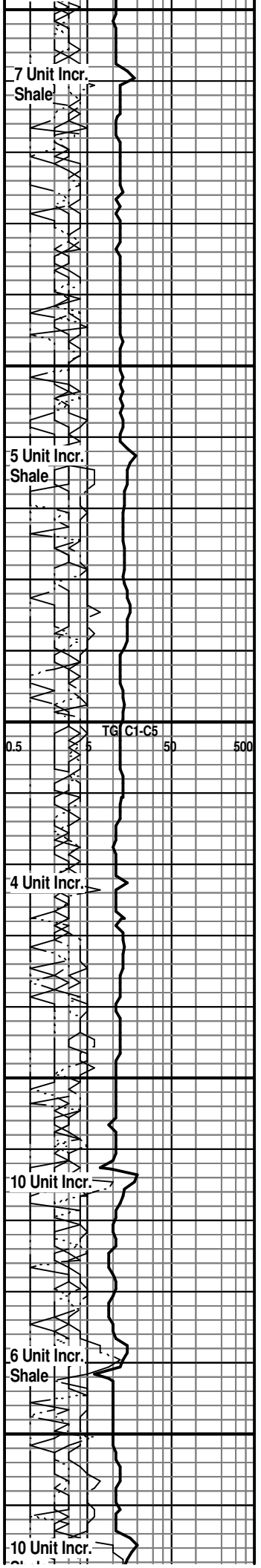
LM; tan to lt brn, most dense, blocky, scat amber to org cht, foss ip, hd, ns.

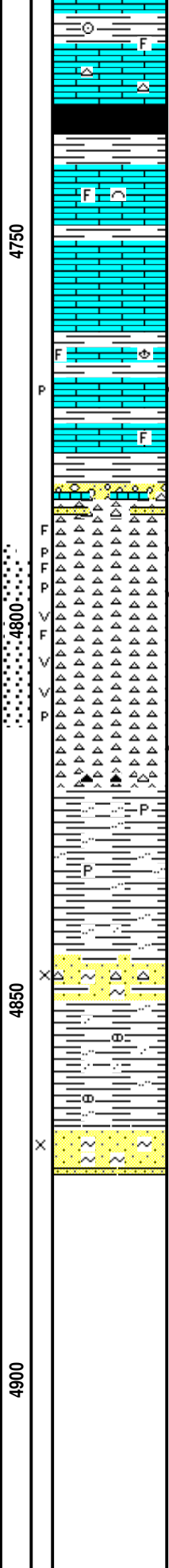
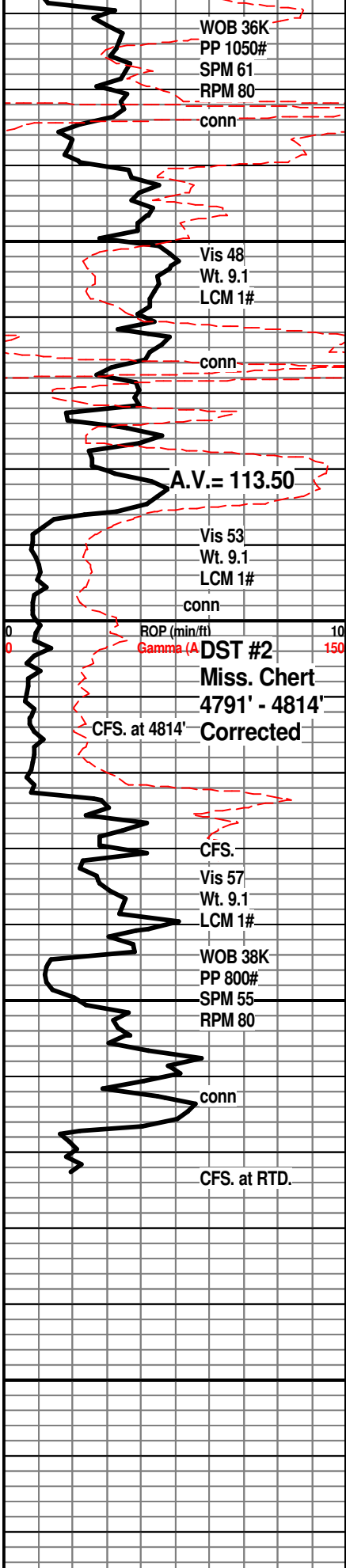
SH; blk, carb ip, platy, rare pyr

PAWNEE 4694(-2474)

LM; tan to lt brn, foss ip, scat poor interpart por, trc frags, dull yel min fluor, no vis stn, no odor, ns.

SH; blk, platy, carb ip





SH; dk gy, grn, firm, occ foss

LM; lt to med brn, buff, scat foss mat, well cem, occ gy to tan cht, no vis por, ns.

CHEROKEE SHALE 4732(-2512)
SH; blk, dk gy, platy, firm

LM; tan to lt brn, hd, most dense, rare well cem foss, no vis por, ns.

LM; tan to lt brn, buff, fxln, blocky, most dense, no vis por, no fluor, ns.

LM; tan to off wh, f to med xln, scat foss mat, no vis por, ns.

LM; off wh, tan, fxln, scat lt to med brn uneven oil stn, occ p-p por, rare blk tar/dead oil, lt yel fluor, no odor, poor cut

SH; varic, gy, grn, lavender, firm

MISSISSIPPI CHERT 4786(-2566)
CHT; wh, off wh, occ transl., fresh w/tripolite, frags and fair p-p/trip por, scat med brn live oil stn, faint odor, trc F.O, med yel fluor

CHT; wh, off wh, pred fresh fractured, bands of weathered tripolite w/v. gd vug por w/SSFO, faint odor, spotted to rarely even med brn stn, med to brite yel fluor, few gas bubbles, gd cut

CHT; wh to off wh, most fresh cht, bands of well weathered w/p-p and vug por, SSFO, gas bubbles, med to brite vel fluor. faint odor

DST #2: Miss. Chert 4791' - 4814'
Corrected Depths to Log
CHT; wh, org, amber, off wh, fresh/trip, scat vug por w/live oil stn, faint odor, some blk tar/gils.

KINDERHOOK SHALE 4822(-2602)
SH; med gy to grn, some varic rust red/brn/maroon sh, occ pyr, firm, silty ip.

KINDERHOOK SS 4844(-2624)
SS; wh, pale grn, v. soft, vf gr qtz, good intergran por, interbdd off wh sandy wh cht, no stn or odor, no fluor, ns.

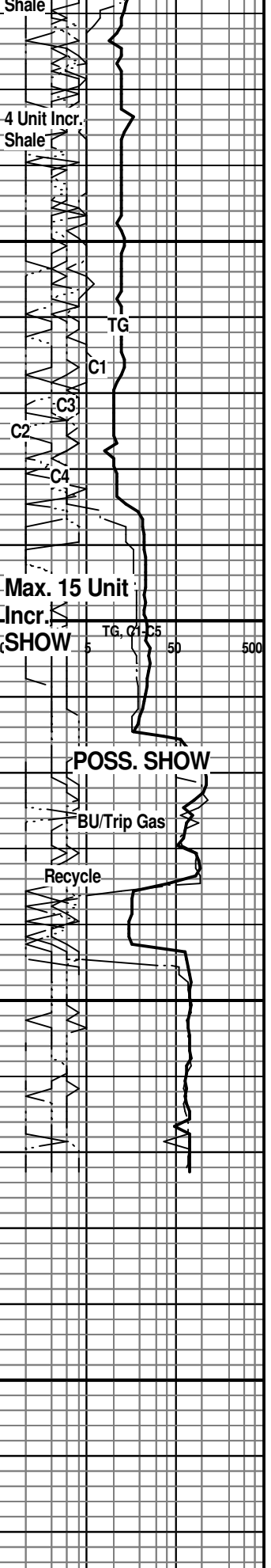
SH; med gy to gy grn, firm, occ silty to sandy, rare nodular

SS; wh, pale grn, f gr qtz, soft, gd intergran por, well srt, glau ip, no fluor, no stn or odor, ns.

RTD. 4875' at 2:15 AM. 10/6/11

LTD. 4873'
Halliburton DIL, NEU/DEN, Microlog, MRIL

NOTE: This log was shifted upward for correlation purposes with the Halliburton LOGS.



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Wichita, KS 67202-3802



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<http://kcc.ks.gov/>

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

Sam Brownback, Governor

November 30, 2011

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

Re: ACO1
API 15-097-21708-00-00
Todd 3-32
SE/4 Sec.32-27S-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