



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1131384  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1131384

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

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

# DRILL STEM TEST REPORT

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, Il 62837

**Cretia Barnes 1-10**

ATTN: Jon Christensen

Job Ticket: 49648

**DST#: 1**

Test Start: 2013.01.12 @ 00:04:47

## GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:31:02

Time Test Ended: 08:30:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

**Interval: 4173.00 ft (KB) To 4190.00 ft (KB) (TVD)**

Reference Elevations: 2187.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2179.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 40.66 psig @ 4174.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.12

End Date:

2013.01.12

Last Calib.:

2013.01.12

Start Time: 00:04:48

End Time:

08:30:32

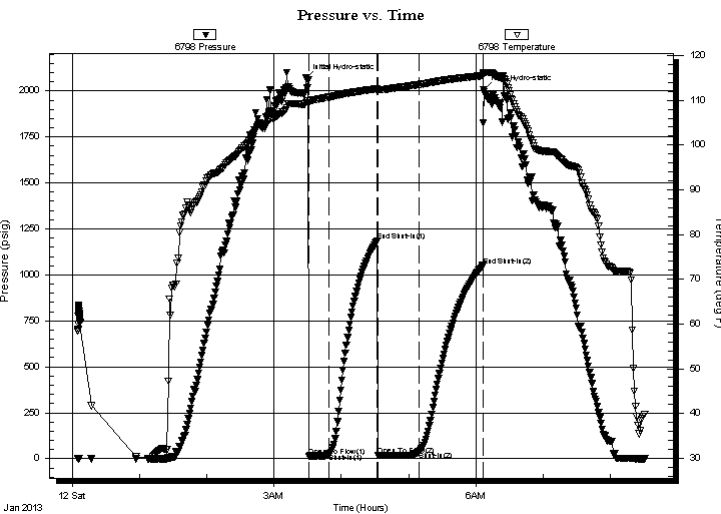
Time On Btm:

2013.01.12 @ 03:28:32

Time Off Btm:

2013.01.12 @ 06:07:02

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.91	109.42	Initial Hydro-static
3	14.41	109.38	Open To Flow (1)
21	26.75	110.73	Shut-In(1)
64	1182.47	112.57	End Shut-In(1)
64	17.22	112.40	Open To Flow (2)
101	40.66	113.52	Shut-In(2)
158	1050.65	115.51	End Shut-In(2)
159	2008.34	116.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	30 GIP	0.00
2.00	WOSM -1%O 12%W 87%M	0.01

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, Il 62837

**Cretia Barnes 1-10**

Job Ticket: 49648

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2013.01.12 @ 00:04:47

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	30 GIP	0.000
2.00	WOSM -1%O 12%W 87%M	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

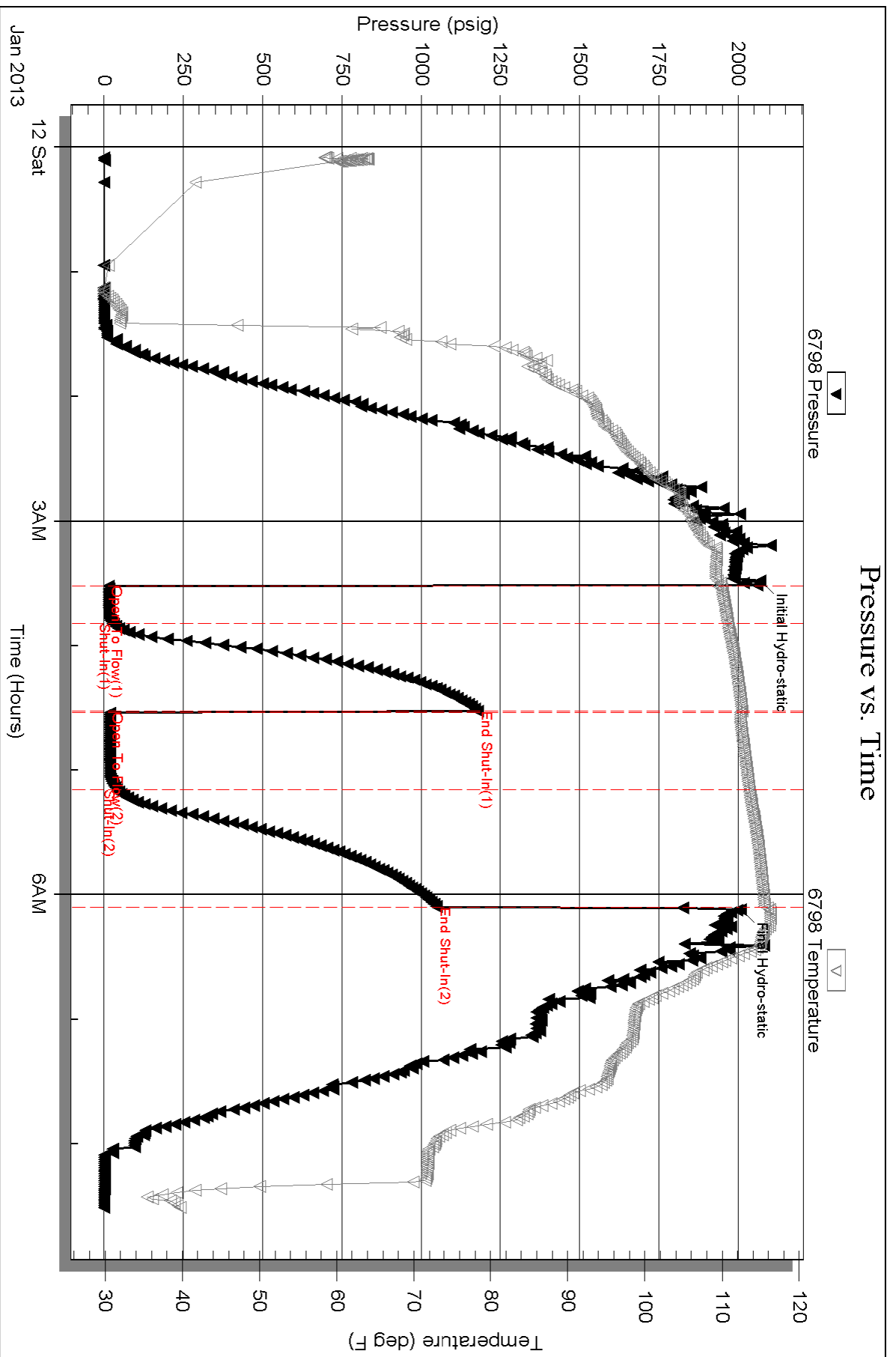
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, Il 62837

**Cretia Barnes 1-10**

ATTN: Jon Christensen

Job Ticket: 49649

**DST#: 2**

Test Start: 2013.01.13 @ 22:25:17

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:27:47

Time Test Ended: 05:29:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4716.00 ft (KB) To 4741.00 ft (KB) (TVD)**

Reference Elevations: 2187.00 ft (KB)

Total Depth: 4741.00 ft (KB) (TVD)

2179.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 34.46 psig @ 4717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.13

End Date:

2013.01.14

Last Calib.:

2013.01.14

Start Time:

22:25:18

End Time:

05:29:02

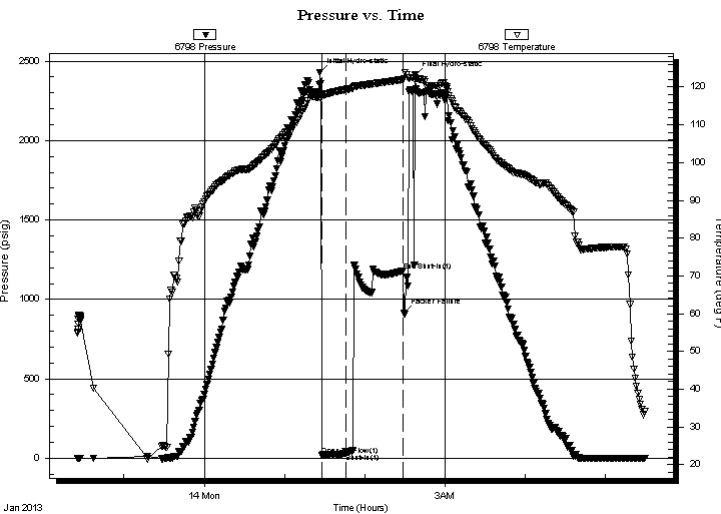
Time On Btm:

2013.01.14 @ 01:26:17

Time Off Btm:

2013.01.14 @ 02:37:17

**TEST COMMENT:** IF: Weak Blow , Built to 2 inches  
IS: No Blow Back  
FF: Packer Failure, Tried To Reset, Failed Again



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2428.64	117.41	Initial Hydro-static
2	19.52	117.59	Open To Flow (1)
20	34.46	119.34	Shut-In(1)
63	1180.71	121.99	End Shut-In(1)
63	911.40	122.30	Packer Failure
71	2410.77	122.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
858.00	Mud	10.07

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, Il 62837

**Cretia Barnes 1-10**

Job Ticket: 49649

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2013.01.13 @ 22:25:17

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
858.00	Mud	10.068

Total Length: 858.00 ft      Total Volume: 10.068 bbl

Num Fluid Samples: 0

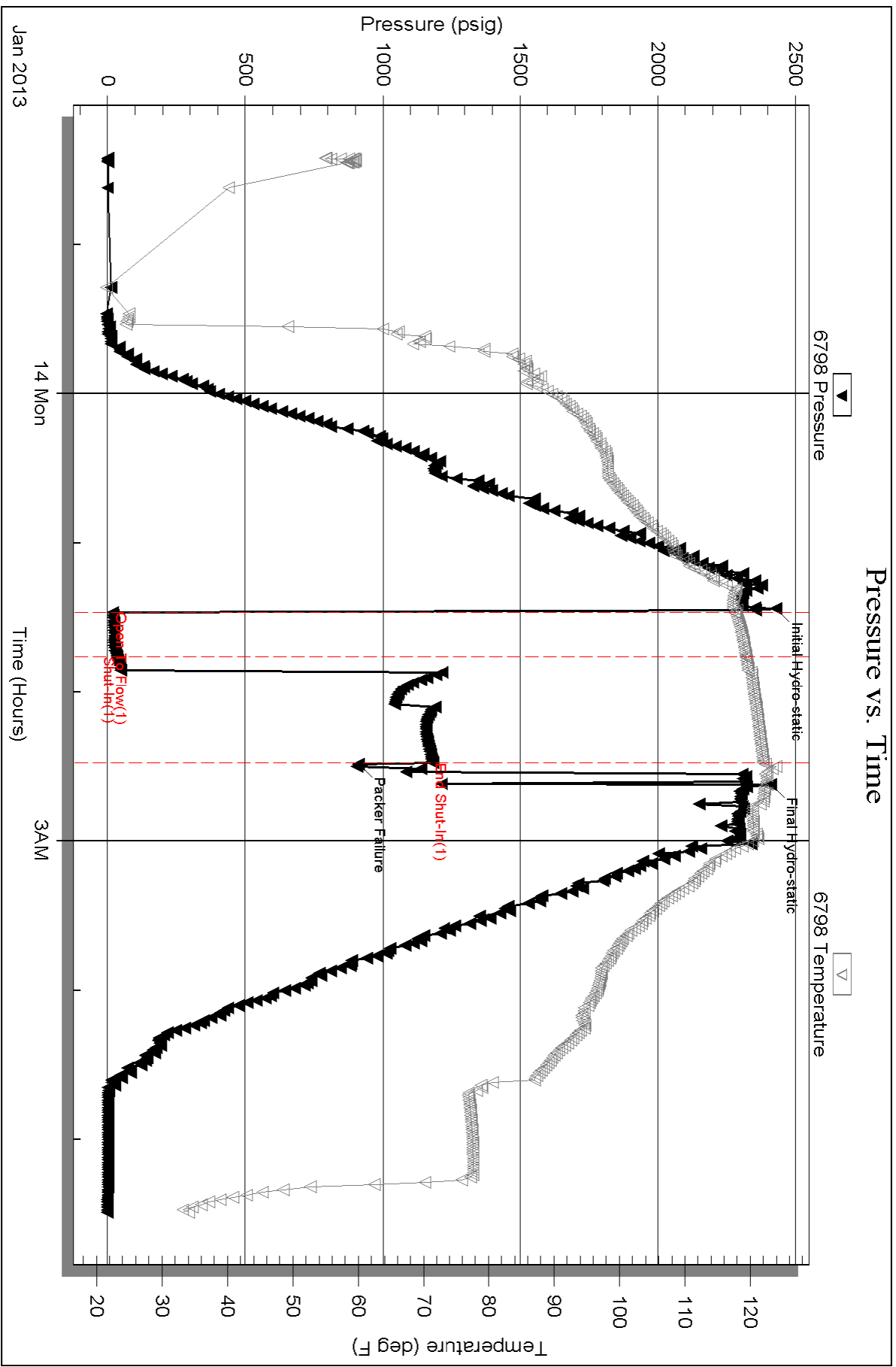
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, Il 62837

**Cretia Barnes 1-10**

ATTN: Jon Christensen

Job Ticket: 49650

**DST#: 3**

Test Start: 2013.01.14 @ 16:46:06

## GENERAL INFORMATION:

Formation: **Kinderhook**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:14:36

Time Test Ended: 01:09:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

**Interval: 4732.00 ft (KB) To 4780.00 ft (KB) (TVD)**

Reference Elevations: 2187.00 ft (KB)

Total Depth: 4780.00 ft (KB) (TVD)

2179.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 52.15 psig @ 4733.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.14

End Date:

2013.01.15

Last Calib.: 2013.01.15

Start Time: 16:46:07

End Time:

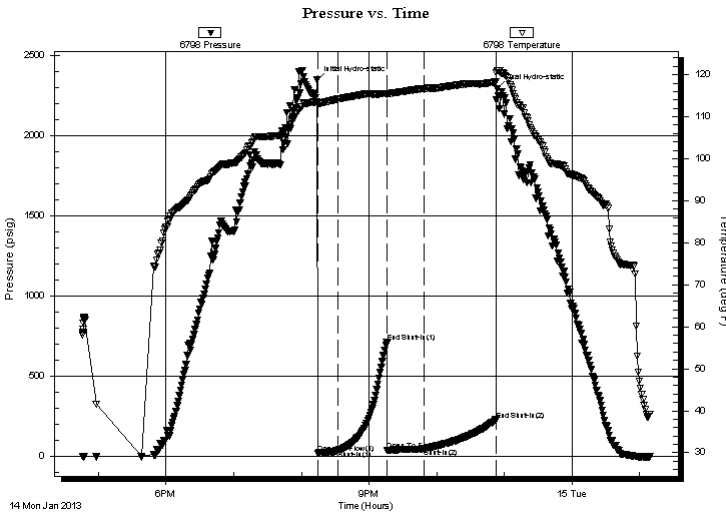
01:09:21

Time On Btm: 2013.01.14 @ 20:13:51

Time Off Btm: 2013.01.14 @ 22:53:36

**TEST COMMENT:** IF: Weak 1/4 inch Blow  
IS: No Blow Back  
FF: Weak 1/4 inch Blow  
FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.09	113.63	Initial Hydro-static
1	21.89	113.17	Open To Flow (1)
19	39.00	114.21	Shut-In(1)
62	715.60	115.50	End Shut-In(1)
63	40.20	115.38	Open To Flow (2)
96	52.15	116.73	Shut-In(2)
159	229.77	118.31	End Shut-In(2)
160	2294.94	121.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud	0.32

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Strata Exploration

**10-27S-18W Kiowa**

PO Box 401  
Fairfield, IL 62837

**Cretia Barnes 1-10**

Job Ticket: 49650

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2013.01.14 @ 16:46:06

## 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: 82.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Mud	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

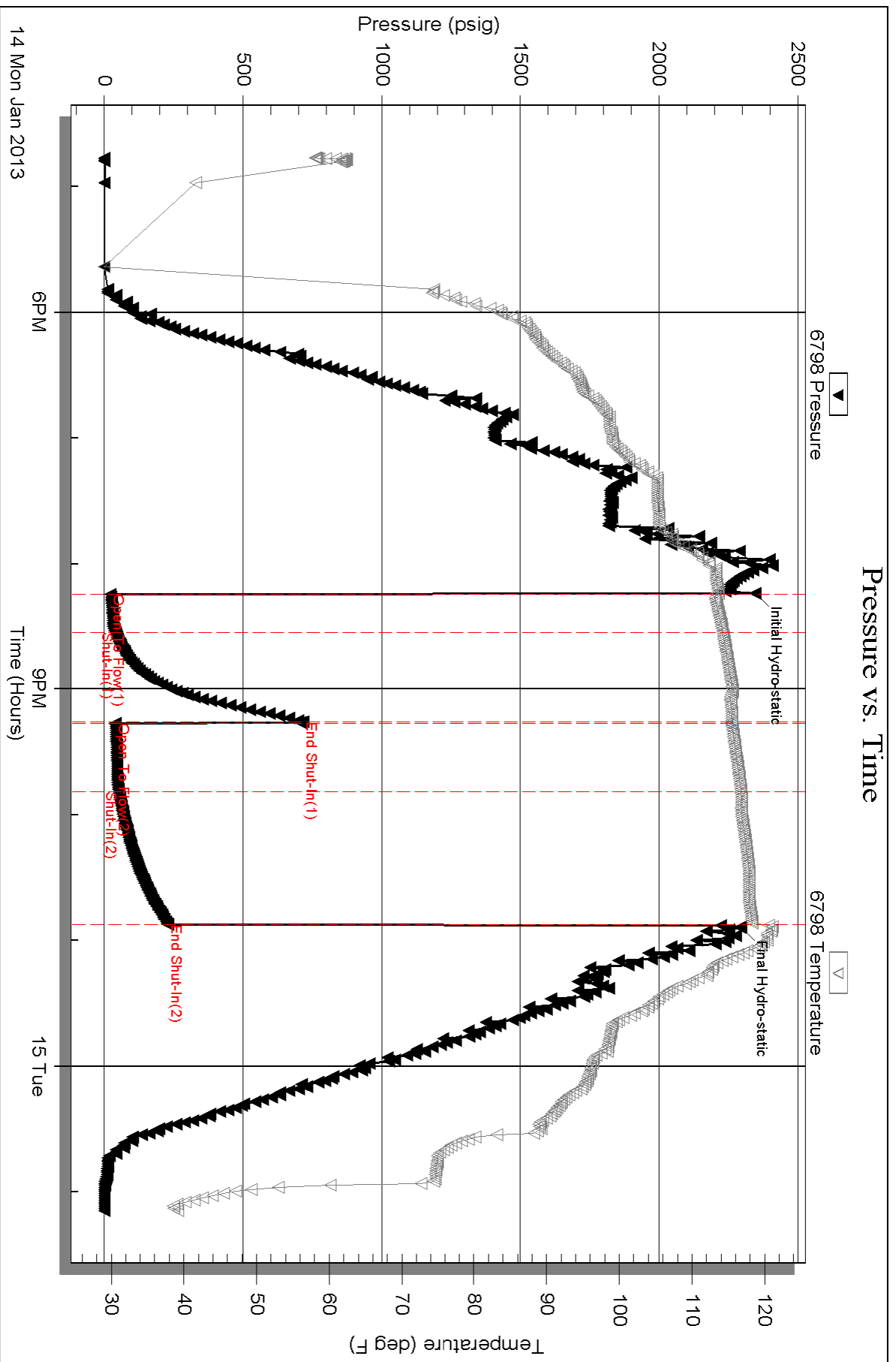
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 01/08/2013
INVOICE NUMBER <b>1718 - 91090442</b>		

PALO  
1-21-13  
FNB SA 9197  
1-10

**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** Cretia Banes  
 O **LOCATION**  
 B **COUNTY** Kiowa  
 S **STATE** KS  
 I **JOB DESCRIPTION** Cement-New Well Casing/Pi  
 T **JOB CONTACT**  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE																														
40551877	19843		Net - 30 days	02/07/2013																														
<b>For Service Dates: 01/07/2013 to 01/07/2013</b>																																		
0040551877																																		
171807634A Cement-New Well Casing/Pi 01/07/2013 Cement 8 5/8 Surface																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">LEASE</td> <td colspan="2">1900-3</td> <td>LEV</td> <td>P/P</td> </tr> <tr> <td>1/14</td> <td>C. BARNES #</td> <td colspan="2">1-10</td> <td>5</td> <td>1/15</td> </tr> <tr> <td colspan="2">JOB</td> <td colspan="2">CEMENT SURF PIPE</td> <td>A/P</td> <td>1/16</td> </tr> <tr> <td>DRL</td> <td>COM</td> <td>LOE</td> <td>G/L</td> <td colspan="2">D/D</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td>71730</td> <td colspan="2"></td> </tr> </table>					LEASE		1900-3		LEV	P/P	1/14	C. BARNES #	1-10		5	1/15	JOB		CEMENT SURF PIPE		A/P	1/16	DRL	COM	LOE	G/L	D/D		X			71730		
LEASE		1900-3		LEV	P/P																													
1/14	C. BARNES #	1-10		5	1/15																													
JOB		CEMENT SURF PIPE		A/P	1/16																													
DRL	COM	LOE	G/L	D/D																														
X			71730																															
A-Con Blend Common		175.00	EA	13.50	2,362.35 T																													
Common Cement		175.00	EA	12.00	2,099.86 T																													
Celloflake		88.00	EA	2.77	244.18 T																													
Calcium Chloride		825.00	EA	0.79	649.64 T																													
"Top Rubber Cmt Plug, 8 5/8""		1.00	EA	168.74	168.74																													
"8 5/8"" Guide Shoe (Red)"		1.00	EA	412.47	412.47																													
"Baffle Plate Alum., 8 5/8"" (Blue)"		1.00	EA	127.49	127.49																													
"8 5/8"" Basket (Blue)"		1.00	EA	236.23	236.23																													
"Unit Mileage Chg (PU, cars one way)"		35.00	MI	3.19	111.56																													
Heavy Equipment Mileage		70.00	MI	5.25	367.48																													
"Proppant & Bulk Del. Chgs., per ton mil		578.00	EA	1.20	693.55																													
Depth Charge; 501'-1000'		1.00	EA	899.94	899.94																													
Blending & Mixing Service Charge		350.00	BAG	1.05	367.48																													
Plug Container; Util. Chg.		1.00	EA	187.49	187.49																													
"Service Supervisor, first 8 hrs on loc.		1.00	EA	131.24	131.24																													

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP  
 PO BOX 841903  
 DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP  
 801 CHERRY ST, STE 2100  
 FORT WORTH, TX 76102

SUB TOTAL

9,059.70

TAX

390.99

INVOICE TOTAL

9,450.69









PAGE 1 of 1	CUST NO 1004072	INVOICE DATE 01/17/2013
INVOICE NUMBER 1717 - 91096813		<b>PAID</b> 1-31-13 FNB SA9226

**Liberal** (620) 624-2277  
 B STRATA EXPLORATION  
 I PO Box: 401  
 L FAIRFIELD  
 L IL US 62837  
 T  
 O **ATTN:** ACCOUNTS PAYABLE

J **LEASE NAME** Cretia Barnes #1-10  
 O **LOCATION**  
 B **COUNTY** Kiowa  
 S **STATE** KS  
 I **JOB DESCRIPTION** Cement-New Well Casing/Pi  
 T **JOB CONTACT**  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40554772	38119		Net - 30 days	02/16/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<b>For Service Dates: 01/16/2013 to 01/16/2013</b>				
0040554772				
171703231A Cement-New Well Casing/Pi 01/16/2013 PTA				
60/40 POZ	170.00	EA	9.00	1,530.00 T
Cement Gel	294.00	EA	0.19	55.13 T
"Unit Mileage Chg (PU, cars one way)"	35.00	MI	3.19	111.56
Heavy Equipment Mileage	70.00	MI	5.25	367.50
"Proppant & Bulk Del. Chgs., per ton mil	257.25	EA	1.20	308.70
Depth Charge; 1001'-2000'	1.00	EA	1,125.00	1,125.00
Blending & Mixing Service Charge	170.00	BAG	1.05	178.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

LEASE	1-10	LEV	P/P
1/22		5	1/24
DES	CRETIA BARNES		A/P
	CEMENT-PLUSWELL		1/29
DRL	COM	LOE	G/L
X			71890/3939.21

<b>PLEASE REMIT TO:</b>	<b>SEND OTHER CORRESPONDENCE TO:</b>	<b>SUB TOTAL</b>	<b>3,807.64</b>
<b>BASIC ENERGY SERVICES,LP</b>	<b>BASIC ENERGY SERVICES,LP</b>	<b>TAX</b>	<b>131.57</b>
<b>PO BOX 841903</b>	<b>801 CHERRY ST, STE 2100</b>	<b>INVOICE TOTAL</b>	<b>3,939.21</b>
<b>DALLAS, TX 75284-1903</b>	<b>FORT WORTH, TX 76102</b>		





**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 03231 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 1-16-13		DISTRICT: Liberal 1717		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: Cret & Barnes				WELL NO.:		1-10
ADDRESS:				COUNTY: Kiowa		STATE: KS				
CITY:				STATE:		SERVICE CREW: Kirby, Ed M, Juan L				
AUTHORIZED BY: Tracy Davis JRB				JOB TYPE: PTA 2-42						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME	
				21755	13		1-15-13	PM	2100	
				38119-19919	13	ARRIVED AT JOB	1-16-13	PM	0130	
				32463-37547	13	START OPERATION		PM	0630	
						FINISH OPERATION		PM	0830	
						RELEASED		PM	0900	
						MILES FROM STATION TO WELL				

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CL103	60/40 Poz	SK	170		2040 00	
CC200	Cement Gel	LB	294		73 50	
E100	Unit M. charge Charge - Pickup	MT	35		148 75	
E101	Heavy Equipment M. charge	MT	90		490 00	
E113	Build Del. charge	TM	257		411 60	
CE202	Depth Charge 1001-2000	4hr	1		1500 00	
CE240	Blending - M. charge Service Charge	SK	170		238 00	
SO03	Service Supervisor	EA	1		175 00	
					SUB TOTAL	3807. 64
				SERVICE & EQUIPMENT	%TAX ON \$	
				MATERIALS	%TAX ON \$	
					TOTAL	

CHEMICAL / ACID DATA:			

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

FIELD SERVICE ORDER NO. \_\_\_\_\_





# LITHOLOGY STRIP LOG

## WellSight Systems

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

Well Name: Cretia Barnes #1-10  
Location: 990' FSL & 1650' FEL. Sec. 10-T27S-R18W, Kiowa Co., KS.  
Licence Number: 15-097-21742-0000 Region: Greensburg NW  
Spud Date: 1/6/2013 Drilling Completed: 1/15/2013  
Surface Coordinates: 990' FSL & 1650' FEL, Sec. 10-T27S-R18W

Bottom Hole Same as above  
Coordinates:  
Ground Elevation (ft): 2176' K.B. Elevation (ft): 2187'  
Logged Interval (ft): 3350' To: 4868' Total Depth (ft): 4868'  
Formation: Viola at Total Depth  
Type of Drilling Fluid: Freshwater/Gel to 2988'; Chemical Gel 2988' to 4868'  
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') 4173' - 4190' Test Times 15"-45"-30"-60" IFP Weak Surface Blow, FFP Weak Surface Blow, no Blowback on SI's; REC: 30' Gas in Pipe, 2' WOSpkd M(1%O, 12%W, 87%W), not enough wtr to get CI reading; IFP 14-27#, ISIP 1182#, FFP 17-41#, FSIP 1051# Building, IHP 2070#, FHP 2008#, BHT 116 Deg. F.

DST #2(Miss. Chert) 4716' - 4741' Test Times 15"-45"-Open tool - Lost Packer seat - Pull Test; IFP Weak 2" Blow, No Blowback on ISI, FFP None; REC: 858' Drlg Mud due to lost packer seat, no shows of oil or gas; IFP 19-34#, ISIP 1181#(not valid), no FFP or FSIP; IHP 2429#, FHP 2411#, BHT 122 Deg. F.

DST #3(Kinderhook Sand) 4732' - 4780' Test Times 15"-45"-30"-60" IFP Weak 0.25" Blow, FFP Weak 0.25" Blow, no Blowback on SI's; REC: 65' Drlg. Mud, no shows; IFP 22-39#, ISIP 716#, FFP 40-52#, FSIP 230#, IHP 2347#, FHP 2295#, BHT 121 Deg. F.

### Comments


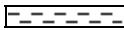

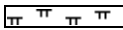
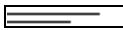
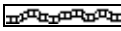


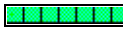

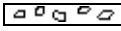


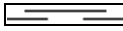

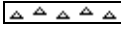


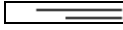

1/5 & 1/6/13 MIRU Sterling Drilling Rig #2, Spud 6:45 PM; 1/7/13 TD. 566' - WOC; 1/8/13 Drilling at 1745'; 1/9/13 Drilling at 2655'; 1/10/13 Drilling at 3365'; 1/11/13 Drilling at 4000'; 1/12/13 TD. 4190' - TOH with DST #1; 1/13/13 Drilling at 4570'; 1/14/13 TD. 4741' - TIH after DST #2; 1/15/13 Drilling at 4830', reached TD. of 4868' at 9:40 AM

Set new 8 5/8"(24#) Surface Casing at 561' with 350 sacks cement(Basic Energy Services). Cement did Circulate. PD. 4:15 PM. 1/6/13.




















































Surveys: 1 Deg. at 566'(Surface Casing); 0.50 Deg. at 4190'(DST #1); 0.75 Deg. at 4741'(DST #2); Deg. at 4868' RTD.

Pipe Strap at 4741'(DST #2): Strap 1.34' Short to the Board, no Correction made to the Board.
























### ROCK TYPES

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

### ACCESSORIES

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

### OTHER SYMBOLS

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

**Curve Track 1**

ROP (min/ft) ———  
 Gamma (API) - - - -

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

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

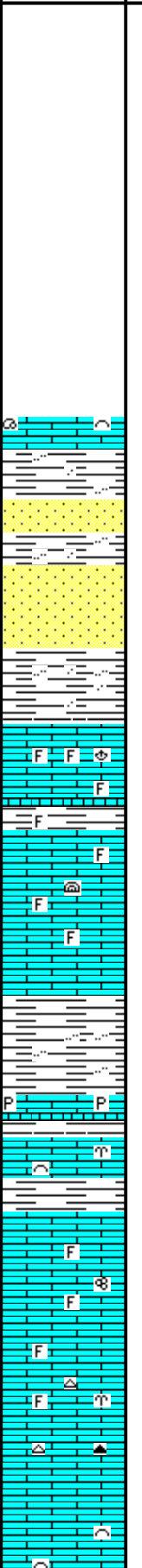
3350  
 Vis 48  
 Wt. 8.7  
 LCM 1#  
 conn  
 WOB 35-36K  
 PP 835#  
 SPM 58  
 RPM 70

3400  
 0 ROP (min/conn) 10  
 0 Gamma (API) 150  
**A.V. = 122.70**

conn  
 MudCo. Mud  
 Check at 3434'  
 Vis 49 Wt. 8.7  
 WL 9.6 Cl 3900  
 PH 10.5 LCM 1#

3450  
 conn  
 WOB 35K  
 PP 850#  
 SPM 58  
 RPM 74

Depth  
 Porosity Type  
 Oil Shows



**STRATA EXPLORATION, INC.**

**CRETIA BARNES #1-10**

**KB. 2187'**

**GEOLOGICAL REPORT**

LM; lt to med brn, v. foss, well cem, blocky

SH; lt to med gy, sandy ip, interbdd vf to f gr qtz ss

SS; lt gy, scat red/brn, f gr qtz, clusters, mica ip, fair to gd intergran por, no stn, no gas kick, ns.

SH; med gy, silty to sandy, platy

**STOTLER LMST. 3387(-1200)**

LM; tan to buff, off wh, foss, abnt fusulinids, most dense, scat lt yel min fluor, no stn or odor, no fis por, no gas kick, ns.

**GOOD SAMPLES**

LM; tan to lt brn, rare med brn, scat foss mat, most dense, blocky, no vis por, dull yel to no fluor, ns.

SH; med gy, rarely dk gy, soft, silty ip.

LM; med to dk gy brn, dense, occ pyr

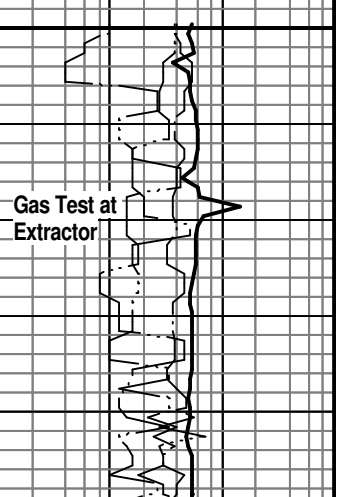
LM; med gy brn, hd, blocky, foss ip, tite

LM; off wh, tan, buff, fxln w/poor to fair p-p por, scat foss mat, lt to dull yel fluor, no stn, ns.

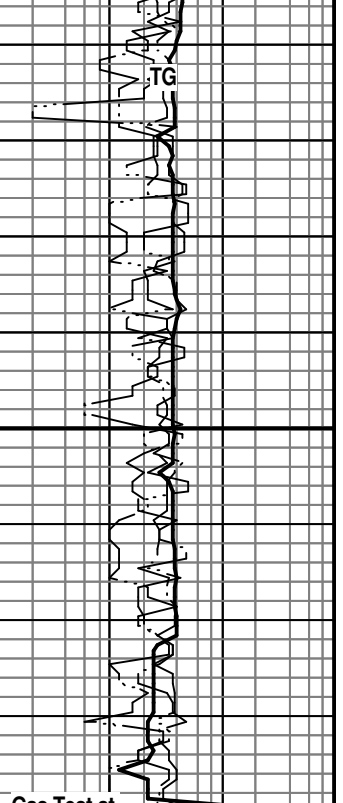
LM; tan to med brn, gy brn, scat foss mat, most well cem, rare gy/amber/brn cht, no vis por, no fluor, ns.

LM; tan to cream, fxln w/scat foss mat, poor to fair interpart por, minor chalky mtx, lt yel fluor, no stn, ns.

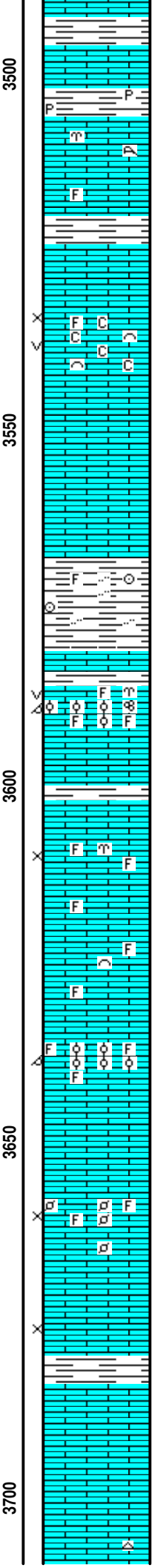
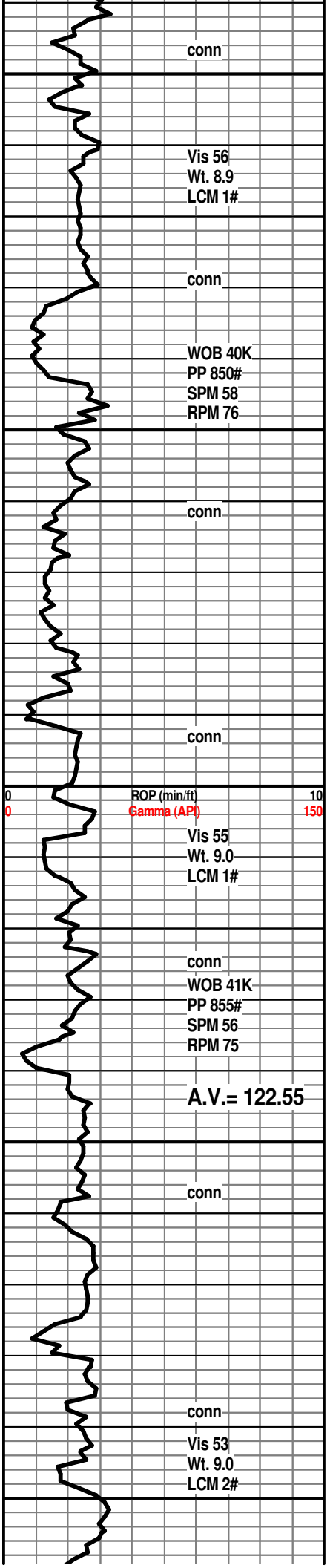
0.5 TG, C1-C5 5 50 500



0.5 TG, C1-C5 5 50 500







SH; med gy, gy grn, fiss

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

SH; dk gy, fiss to flakey, occ pyr

LM; lt to med brn, scat foss mat, mos well cem, no vis por, no fluor, ns.

SH; med to dk gy, firm

LM; off wh, wh, buff, med to cse xln, scat foss mat, scat cse opaque spar calc, fair to occ gd interxln w/vug por, soft chalky mtx in some, lt yel fluor, no stn or odor, no gas kick, ns.

LM; lt to med brn, most dense, blocky, micritic, rare dk gy micrite, no vis por, ns.

SH; lt gy grn, grn, silty, foss ip.

**HOWARD 3581(-1394)**

LM; lt brn, tan, cse foss frags w/scat oolitic lmst, vug w/some oomoldic por, lt to occ med yel fluor, no stn, no gas kick, ns.

LM; tan to lt brn, fxln w/some foss mat, scat poor to fair interpart por, interbdd hd brn micrite, lt yel fluor, no stn, ns.

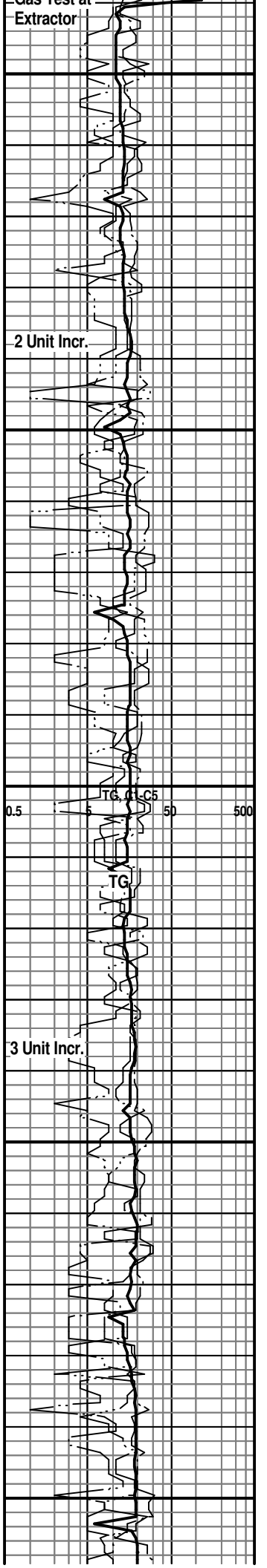
LM; tan to buff, lt brn, foss-oolitic, med size molds, gd oomoldic por, brittle ip, med yel min fluor, no stn or odor, ns.

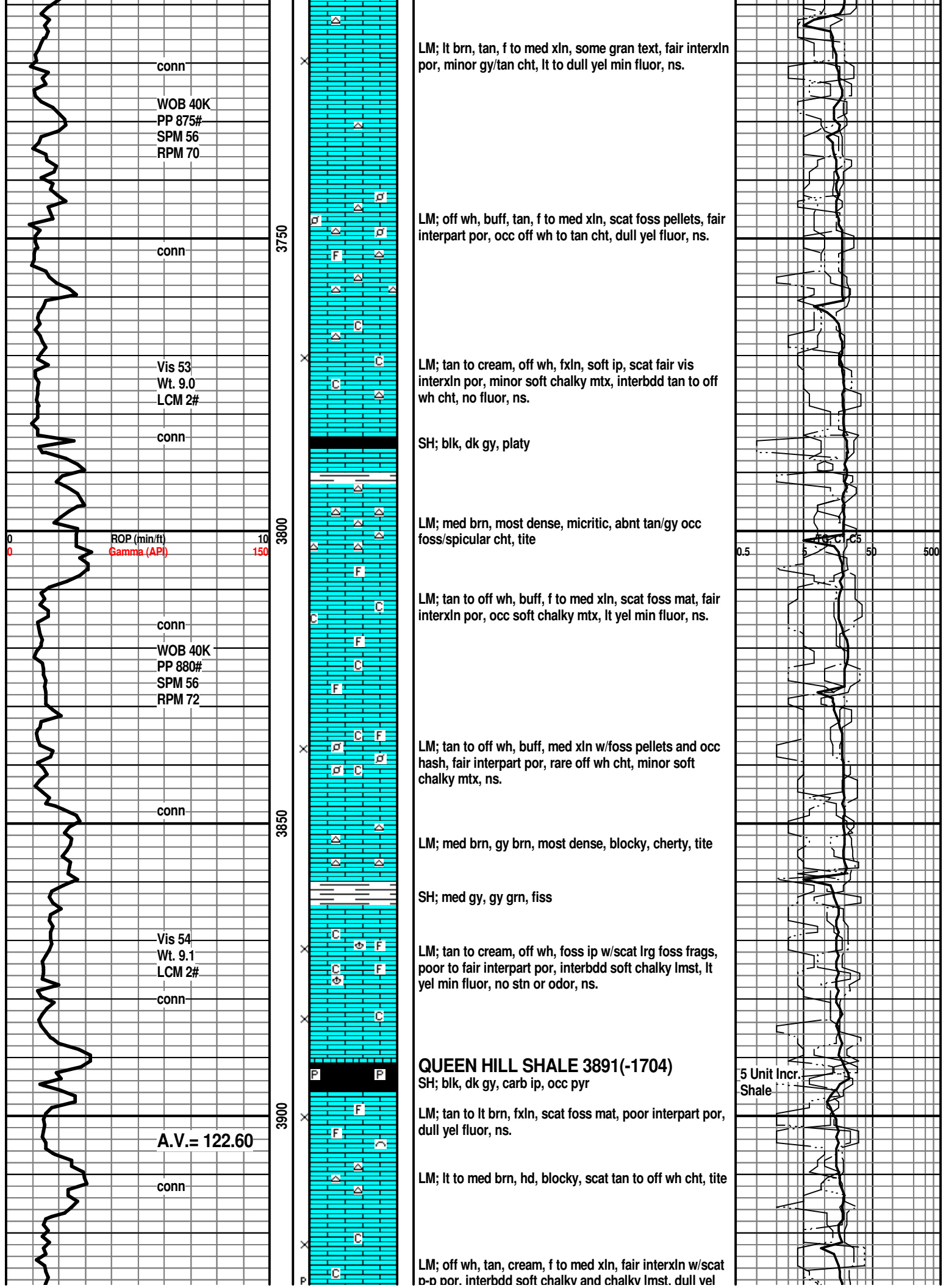
LM; tan to buff, cream, foss w/scat small pellets and ooids, fair interpart por, no stn, lt yel min fluor, ns.

LM; tan to lt brn, med xln to gran text, gd interxln por, lt yel fluor, ns.

SH; med to dk gy, fiss

LM; lt brn, tan, fxln to dense, interbdd hd micrite, scat lt yel min fluor, no vis por, ns.





conn  
WOB 40K  
PP 875#  
SPM 56  
RPM 70

LM; lt brn, tan, f to med xln, some gran text, fair interxln por, minor gy/tan cht, lt to dull yel min fluor, ns.

conn

LM; off wh, buff, tan, f to med xln, scat foss pellets, fair interpart por, occ off wh to tan cht, dull yel fluor, ns.

Vis 53  
Wt. 9.0  
LCM 2#

LM; tan to cream, off wh, fxln, soft ip, scat fair vis interxln por, minor soft chalky mtx, interbdd tan to off wh cht, no fluor, ns.

conn

SH; blk, dk gy, platy

ROP (min/ft)  
Gamma (API)

LM; med brn, most dense, micritic, abnt tan/gy occ foss/spicular cht, tite

conn  
WOB 40K  
PP 880#  
SPM 56  
RPM 72

LM; tan to off wh, buff, f to med xln, scat foss mat, fair interxln por, occ soft chalky mtx, lt yel min fluor, ns.

conn

LM; tan to off wh, buff, med xln w/foss pellets and occ hash, fair interpart por, rare off wh cht, minor soft chalky mtx, ns.

Vis 54  
Wt. 9.1  
LCM 2#

LM; med brn, gy brn, most dense, blocky, cherty, tite

SH; med gy, gy grn, fiss

conn

LM; tan to cream, off wh, foss ip w/scat lrg foss frags, poor to fair interpart por, interbdd soft chalky lmst, lt yel min fluor, no stn or odor, ns.

**QUEEN HILL SHALE 3891(-1704)**  
SH; blk, dk gy, carb ip, occ pyr

5 Unit Incr. Shale

A.V. = 122.60

LM; tan to lt brn, fxln, scat foss mat, poor interpart por, dull yel fluor, ns.

conn

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

LM; off wh, tan, cream, f to med xln, fair interxln w/scat por, interbdd soft chalky and chalky lmst, dull vel

WOB 40K  
PP 900#  
SPM 56  
RPM 70  
conn

3950

Vis 55  
Wt. 9.1  
LCM 2#  
conn

4000

ROP (min/ft) 10  
Gamma (API) 150  
WOB 40-42K  
PP 900#  
SPM 56  
RPM 73  
conn

A.V. = 122.65

conn  
Vis 55  
Wt. 9.3  
LCM 1#

4050

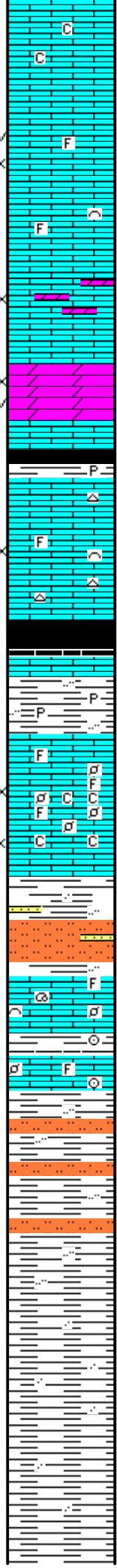
conn  
WOB 40-42K  
PP 900#  
SPM 56  
RPM 80

Vis 50  
Wt. 9.5  
LCM 1#

4100

conn  
MudCo. Mud  
Check at 4105'  
Vis 46 Wt. 9.5+  
WL 12.0 Cl 5000  
PH 9.5 LCM Trc.

conn



PP 900#, interbedded calc. cherty and cherty mat, tan yel  
min fluor, ns.

LM; tan to lt gy, fxln w/scat foss mat, fair interxln w/scat  
vug por, lt yel min fluor, no stn or odor, ns.

10 Unit Incr.

LM; tan to off wh, buff, f to med xln, scat foss mat, trc  
sucrosic text, partly dolomitic, lt yel min fluor, no stn or  
odor, ns.

DOL; lt brn, sucrosic, fair interxln w/rare small vug por,  
lt to med yel min fluor, no stn/odor, ns.

7 Unit Incr.

SH; dk gy, blk, platy to flakey, trc pyr

LM; tan to cream, buff, fxln w/scat foss mat, poor to fair  
interpart por, occ off wh to gy cht, dull yel fluor, no stn  
or odor, ns.

ITC G-C5 50 500

**HEEBNER SHALE 4016(-1829)**

SH; blk, carb, platy, soft to blocky  
LM; med to dk brn, hd, micritic

14 Unit Incr.  
Shale

SH; grn, gy grn, silty ip, occ dissem. pyr

**TORONTO 4032(-1845)**

LM; off wh, wh, buff, f to med xln w/foss mat, small  
pellets, chalky mtx ip, lt yel fluor, no stn or odor, no gas  
kick, ns.

LM; off wh, foss to med xln, gd interxln por, minor  
chalky mtx, lt yel fluor, ns.

**DOUGLAS SHALE 4052(-1865)**

SH; lt to med gy, some varic sh - red, brn, grn

SLTST; lt gy, soft ip, mica w/trc vf gr qtz ss

Gas Test at  
Extractor

LM; med brn, foss, well cem, most dense, tite

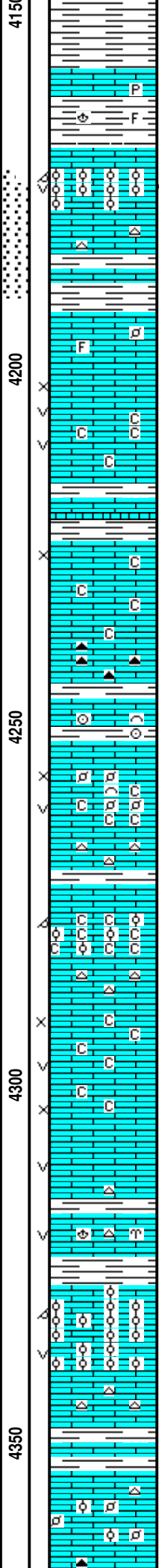
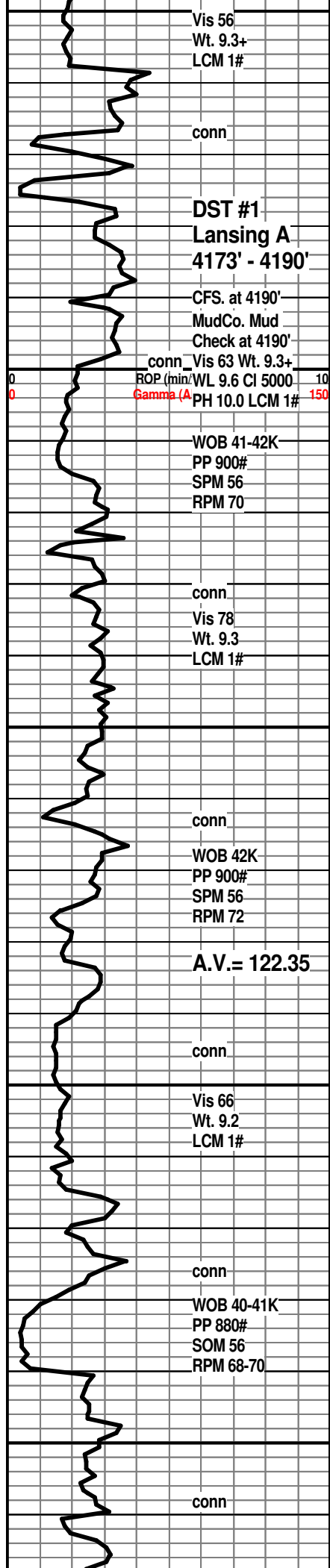
LM; med to dk brn, gy brn, foss ip, hd

SH; lt to med gy, silty w/interbdd sltst.

SH; lt to med gy, fiss to flakey, silty ip.

SH; lt to med gy, fiss, occ silty

SH; med gy, platy to flakey, some sticky



**BROWN LMST. 4158(-1971)**

LM; med to dk brn, dense, micritic, pyr ip.

SH; med gy, gy grn, firm, foss ip.

**LANSING 'A' 4169(-1982)**

LM; med brn, oolitic, med size molds, gd oomoldic w/occ vug por, med golden to brite yel fluor, faint to fair odor, gas bubbles, spotted lt brn oil stn w/Trc. FO., fair cut

LM; off wh, tan, most dense, oolitic cht, tite

**DST #1: Lansing 'A' 4173' - 4190'**

**LANSING 'B' 4192(-2005)**

LM; lt gy, lt gy brn, foss, interbdd f to med xln, spar calc xtals, fair interxln w/vug por, dull yel fluor, no vis stn, no odor, ns.

LM; off wh, wh, lt gy, fxln, v. chalky ip, fair interxln w/occ vug por, lt yel fluor, ns.

SH; dk gy, platy, foss ip, interbdd med to dk brn dense lmst.

LM; off wh, wh, f to med xln, scat cse spar calc xtals, poor to fair interxln por, scat soft chalky mtx, dull yel fluor, no stn or odor, ns.

LM; lt to med brn, pyr ip, some hd, interbdd dk gy/blk and brn cht, no vis por, ns.

SH; med gy, gy grn, platy, foss ip.

LM; off wh, tan, cream, foss ip, scat small pellets and foss hash, poor to fair interpart w/occ vug por, occ chalky mtx, no fluor, ns.

LM; lt gy, tan, hd, micritic, blocky, cherty

**LANSING 'G' PORO. 4274(-2087)**

LM; wh, off wh, oolitic ip, small to med size molds, v. chalky mtx w/much pure chalk, no fluor, no stn or odor, ns.

LM; off wh, buff, med to cse xln, scat cse spar calc xtals, fair interxln w/scat lrg vug por w/calc overgrowths, interbdd soft chalky mtx, no fluor, no stn or odor, barren, ns.

LM; wh, off wh, tan, med to cse xln, v. chalky mtx, interbdd wh cht, scat fair vug por, no fluor, no stn, ns.

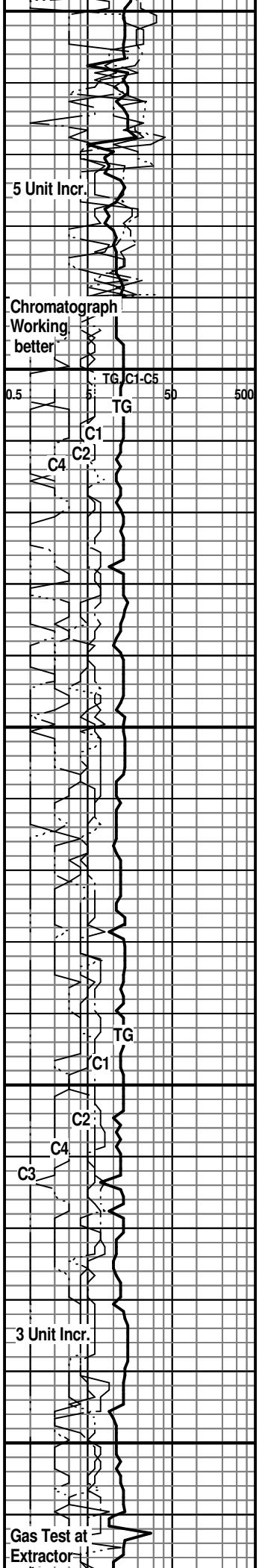
LM; lt to med brn, foss ip, scat vug por, lt yel min fluor, cherty ip, ns.

**LANSING/K.C. 'H' 4328(-2141)**

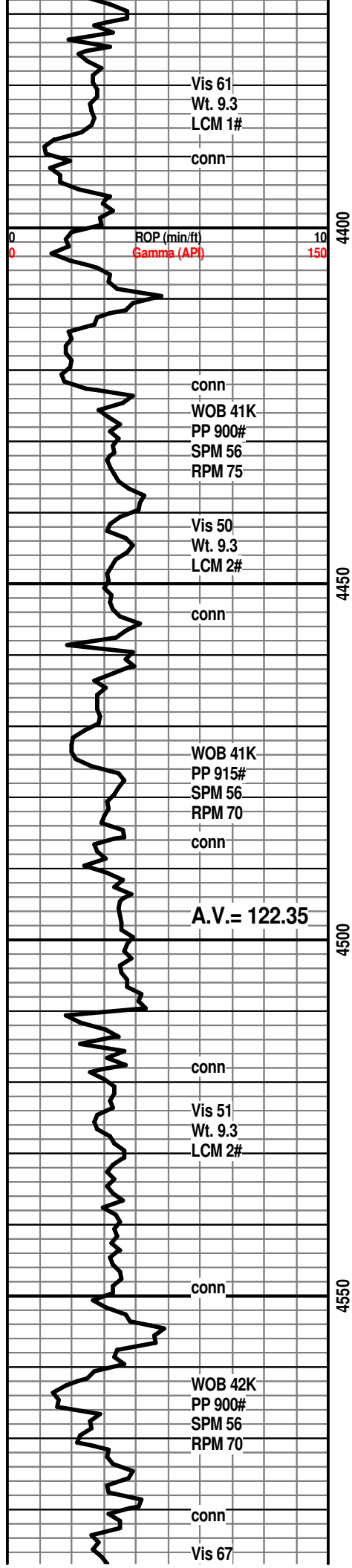
LM; lt to med brn, oolitic, med to lrg molds, v. gd oomoldic w/scat vug por, dull yel fluor, brittle, some rextalized, no stn or odor, no sample shows

SH; dk gy, trc gy grn, platy

LM; tan to lt brn, buff, foss to fxln, scat small pellets and oolites, most well cem, interbdd gy to brn/amber cht, dull yel fluor, no stn or odor, ns.







Vis 61  
Wt. 9.3  
LCM 1#  
conn

ROP (min/ft)  
Gamma (AP)

conn  
WOB 41K  
PP 900#  
SPM 56  
RPM 75

Vis 50  
Wt. 9.3  
LCM 2#  
conn

WOB 41K  
PP 915#  
SPM 56  
RPM 70  
conn

A.V. = 122.35

conn  
Vis 51  
Wt. 9.3  
LCM 2#

conn

WOB 42K  
PP 900#  
SPM 56  
RPM 70

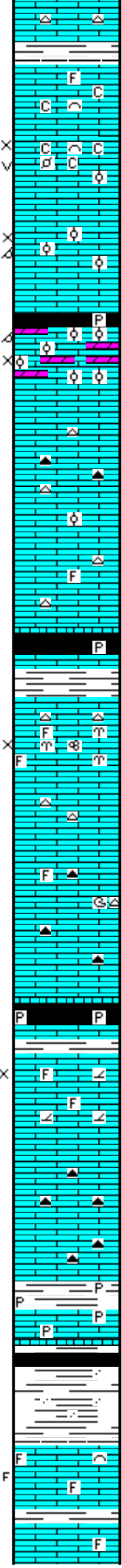
conn  
Vis 67

4400

4450

4500

4550



**K.C. 'I' ZONE 4377(-2190)**

LM; off wh, wh, fxln, rare foss, well cem, no vis por, partly chalky, no stn or odor, ns.

LM; tan to buff, off wh, foss w/fair to gd interpart por, scatvug por, chalky mtx, soft, lt yel min fluor, no stn or odor, no gas kick, ns.

LM; off wh, buff, foss/party oolitic, scat oolitic cht, poor to fair interpart/moldic por, rare lt yel fluor, no stn, ns.

**K.C. 'J' DENNIS 4414(-2227)**

LM; tan to lt brn, foss - oolitic ip, scat sucrosic text - interbdd dolo w/fair interxln por, fair oomoldic por, dull yel min fluor, no stn, no gas kick, ns.

LM; tan to lt brn, most dense, blocky, scat tan to amber cht, no vis por, no fluor, ns.

LM; wh to off wh, fxln w/scat foss mat, most dense, blocky, rare wh cht, no fluor, ns.

**STARK SHALE 4457(-2270)**

SH; blk, platy, pyr ip.

**SWOPE 4466(-2279)**

LM; lt brn, buff, foss, scat bryozoans/small pellets, fair interpart por, dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, rarely foss, most micritic, hd, blocky, scat brn to amber/smoky cht, no vis por, ns.

LM; tan to off wh, buff, fxln, hd, scat brn cht, tite

SH; blk, carb, platy, occ pyr

**HERTHA 4515(-2328)**

LM; tan to cream, off wh, foss ip, scat fxln w/trc sucrosic text, party dolomitic, v. poor to no vis por, lt yel min fluor, no stn or odor, ns.

LM; med to dk brn, hd, micritic, scat dk gy/smoky cht, no vis por, ns.

**BASE KANSAS CITY 4548(-2361)**

SH; grn, gy grn, pyr

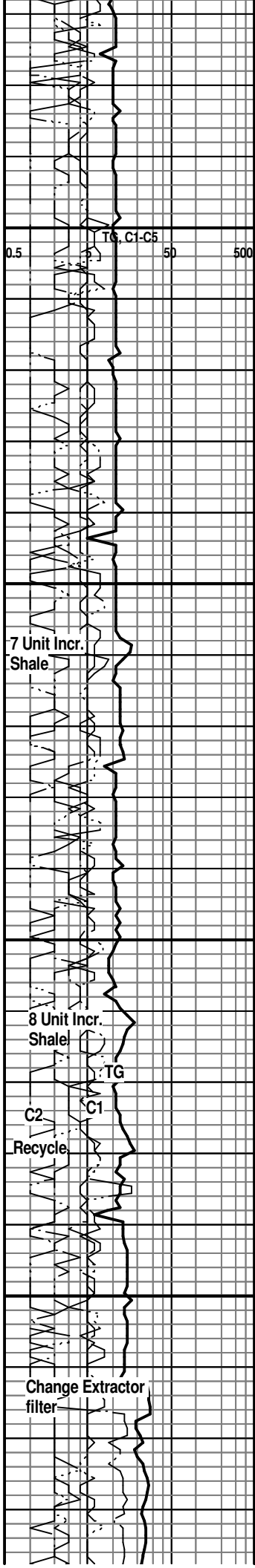
LM; med to dk brn, pyr, hd

SH; varic, blk, grn, rust red, maroon, platy, occ silty, some very soft

**PLEASANTON 4571(-2384)**

LM; lt brn, blocky, hd, scat well cem foss mat, trc frags w/edge calc xtals, most dense, interbdd med to dk gy shale, no fluor, no stn or odor, ns.

LM; off wh, buff, med xln, scat foss mat, well cem, lt yel



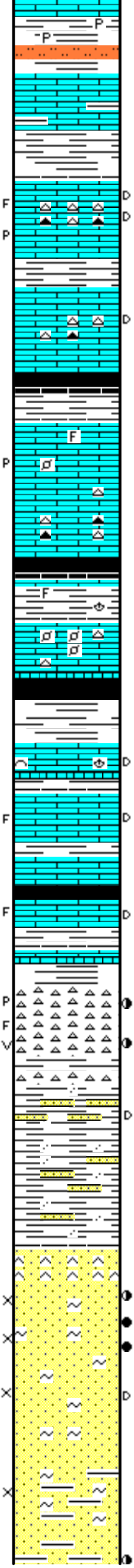
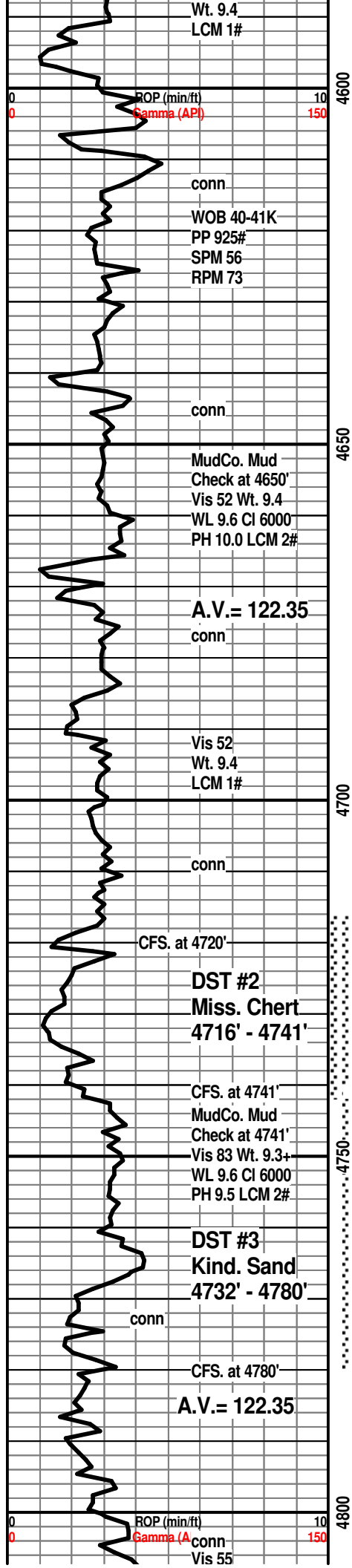
TG, C1-C5

7 Unit Incr. Shale

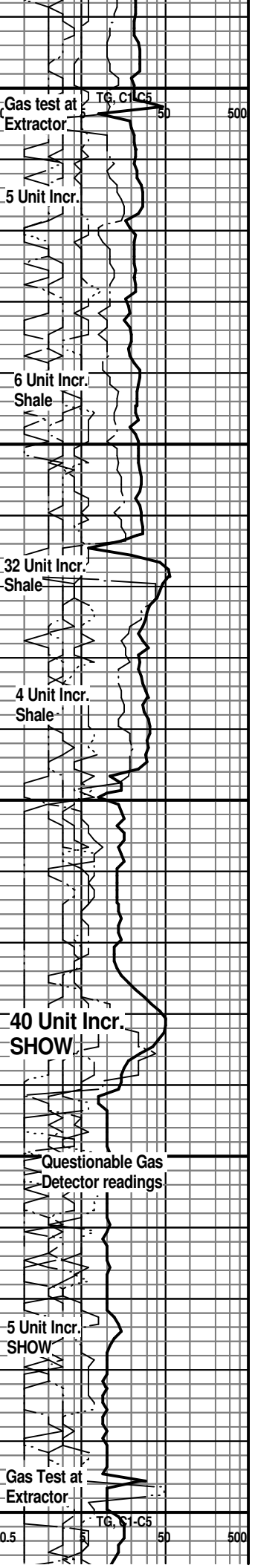
8 Unit Incr. Shale

TG  
C2  
C1  
Recycle

Change Extractor filter



min fluor, ns.  
 SH; varic, grn, brn, dk rust red, yel, pyr ip, interbdd sltst.  
**MARMATON 4598(-2411)**  
 LM; med brn, some w/grn tint, argil ip, hd, no vis por, dull yel min fluor, ns.  
 SH; varic, grn, yel, gy, platy to flakey  
**ALTAMONT 4613(-2426)**  
 LM; off wh, tan, fxln, fracs w/scat blk tar/dead oil, rare p-p por, no odor, spotty med yel fluor, scat cht w/oil stn - bleeding oil  
 LM; off wh, buff, fxln, scat tan w/rare org cht, most micritic, blocky, no vis por, few pcs w/blk tar/gilsonite spots, no gas kick  
 SH; blk, v. dk gy, platy  
**PAWNEE 4647(-2460)**  
 LM; off wh, tan, f to med xln, rare foss mat, few pcs w/dk brn/blk stn, trc poor p-p por, no odor, spotted lt yel fluor, looks tite  
 LM; off wh, tan, fxln to micritic, occ amber to tan cht, rare lt yel fluor, no vis por, no stn, ns.  
 SH; blk, carb - coaly, gassy w/gas odor  
 SH; med gy, grn, foss ip.  
 LM; tan to lt brn, foss - finely pelletal ip, well cem, blocky, no vis por, scat tan cht, ns.  
**CHEROKEE SHALE 4683(-2496)**  
 SH; blk, dk gy, carb, platy w/varic platy-flakey sh  
 LM; tan to cream, fxln w/rare foss, trc. blk tar/gils, dull yel fluor, no live shows, no gas kick  
 LM; tan to buff, fxln to micritic, poss. fracs w/trc edge stn - gilsonite. no fluor, no live shows, no gas kick  
 LM; off wh, tan, fxln, dense, no vis por, ns.  
 LM; off wh, tan, foss ip, trc fracs w/rare pcs. w/tar/gilsonite, dull yel to no fluor, no odor  
 SH; varic, flakey, interbdd off wh/grn lmst  
**MISSISSIPPI CHERT 4726(-2539)**  
 CHT; wh, transl, fresh and trip, fracs w/med brn spotted live oil stn, fair p-p/vug por, no odor, few gas bubbles, no F.O., spotted med yel fluor  
**DST #2: Miss. Chert 4716' - 4741'**  
**KINDERHOOK SHALE 4741(-2554)**  
 SH; grn, gy grn, sandy, intergdd vf to f gr qtz ss, some w/sat. blk tar/dead oil, dull yel fluor, no live shows, no gas kick  
 SH; varic ip, some red/brn, grn, sandy ip, platy, interbdd vf to f gr ss strngs.  
**KINDERHOOK SAND 4763(-2576)**  
 SS; lt gy, clr, qtzitic, v. hd, siliceous, tite  
 SS; clr to lt gy, f gr w/occ med gr qtz, clusters, fair intergran por, fri ip, spotted to occ even med brn stn, v. faint odor, med to brite yel fluor, SSFO, trc gas bubbles, occ glau, calc cmt.  
**DST #3: Kinderhook SS 4732' - 4780'**  
 SS; wh, lt gy, pred f gr qtz, clusters, occ grn glau, fair intergran por, rare dk brn/blk oil stn, med yel fluor, no odor, no gas kick  
 SS; wh to grn, argil ip, most f gr qtz, some w/abnt glau, poor to fair intergran por, no fluor, no stn or odor, ns.  
 SS; red brn, brn, f gr, clusters, argil ip, v. firm, poor interaran por. trc v. spotted lt brn live oil stn. no odor



Wt. 9.2+  
LCM 2#

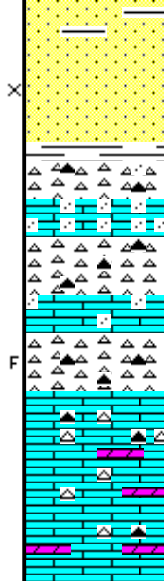
conn

MudCo. Mud  
Check at 4862'  
Vis 62 Wt. 9.2  
WL 9.0 Cl 5500  
PH 10.5 LCM 2#

CFS. at RTD.

4850

4900



SS; brn, red brn, off wh, f to med gr qtz, fair intergran por, clusters, barren, no stn, ns.

**VIOLA 4824(-2637)**

CHT; varic, org, red, yel, lmy ip w/interbdd red and red/brn sandy lmst

CHT; varic, sandy ip, with hd red/rose red cherty hd lmst, no fluor, ns.

CHT; org, red, brn, fresh - sharp, hd, poss frags, no fluor, ns.

LM; wh, off wh, some red/brn, hd, interbdd cherty lmst, trc off wh dolomitic lmst, no vis por, no fluor, ns.

RTD. 4868' at 9:40 AM. 1/15/13

LTD.

Halliburton DIL, NEU/DEN w/PE,  
Microlog, Sonic

7 Unit Incr.

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 03, 2013

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

Re: ACO1  
API 15-097-21742-00-00  
Cretia Barnes 1-10  
SE/4 Sec.10-27S-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 Kinney