

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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](mailto: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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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

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>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	CINDA FLAX 3
Doc ID	1439231

All Electric Logs Run

Dual Receiver Cement Bond
Dual Induction
Litho Density Neutron
Micro

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	CINDA FLAX 3
Doc ID	1439231

Tops

Name	Top	Datum
Anhy.	1877	(+ 639)
Base Anhy.	1910	(+ 606)
Heebner	3844	(-1328)
Lansing	3883	(-1367)
BKC	4180	(-1664)
Pawnee	4309	(-1793)
Ft. Scott	4384	(-1868)
Cherokee Sh.	4408	(-1892)
Miss.	4489	(-1973)
LTD	4640	(-2124)





P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

RECEIVED

NOV 26 2018

# Invoice

DATE	INVOICE #
11/20/2018	31861

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Cinda Flax	Ness	Express Well	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	5.00	100.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	16.25	2,437.50T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				1	Gallon(s)	42.00	42.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.75	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							4,804.50
	Sales Tax Ness County						6.50%	182.29

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$4,986.79
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TICKET 031861

CHARGE TO: Palmer  
 ADDRESS  
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

1. SERVICE LOCATIONS 1125 City, KS WELL/PROJECT NO. 43 LEASE Cuda Flux COUNTY/PARISH Neosho STATE KS CITY Arnold DATE 20 Nov 18 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR 4372222 RIG NAME/NO. Development SHIPPED Wet DELIVERED TO Location ORDER NO.  
 3. WELL TYPE OT WELL CATEGORY Development JOB PURPOSE concrete post collar WELL PERMIT NO.  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
576					MILEAGE	20	mi			5.00	1.00
576A					Pump Charge	1	ea			1300.00	1300.00
33D					SWD cement	150	sk			16.25	2437.50
276					Floods	50	lb			2.50	125.00
29D					D-air	1	gal			42.00	42.00
1D4					Part Colter Bearing tool rental	5	hr			200.00	200.00
581					Service Charge	200	sk			1.75	350.00
582					Drainage (WIND)	1	ea			250.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.  
 X [Signature]  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				590/52
WE UNDERSTOOD AND MET YOUR NEEDS?				480/52
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				
TOTAL				1486.00

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR [Signature] APPROVAL [Signature]  
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 20 Nov 18 PAGE NO. 1

CUSTOMER Palomares Petroleum WELL NO. #3 LEASE Cinda Flay JOB TYPE cement port collar TICKET NO. 31861

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200sk SMD cement w/ 1/4# floccule 2 7/8" x 5 1/2" port collar 1856'
	1120					1000	1000	on loc TRK 114 test to 1000 psi - held open port collar
	1145	3 1/2	2			300		inj rate, 3 1/2 bpm @ 300 psi
	1148	3 1/2				300		Mix SMD cement @ 11.2 ppq
		3 1/2	4			300		- circ fluid to surface -
		3 1/2	80			450		→ Cement to surface ← { 150sk mixed 20 to pit }
		3 1/2	9 1/2			450		Displace 9 1/2 bbl close port collar
	1220					1000	1000	test to 1000psi - held Run 4 joints
	1235							Reverse hole clean → 2 cement plugs ←
	1245							wash truck pull tool Duck up
	1315							job complete  yfrank Flint, Blaine, & squatch





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300

RECEIVED

NOV 17 2018

# Invoice

DATE	INVOICE #
11/13/2018	31858

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Cinda Flax	Ness	WW	Oil	Development	Cement Long Str...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	5.00	100.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				11	Each	85.00	935.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
325	Standard Cement				100	Sacks	13.00	1,300.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				75	Lb(s)	4.50	337.50T
276	Flocele				50	Lb(s)	2.50	125.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
582D	Minimum Drayage Charge				1	Each	250.00	250.00
581D	Service Charge Cement				225	Sacks	1.75	393.75
	Subtotal							11,331.50
	Sales Tax Ness County						6.50%	603.70

**We Appreciate Your Business!**

**Total**

\$11,935.20



Services, Inc.

TICKET 031858

CHARGE TO: Planning Petroleum  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

PAGE 1 OF 2

1. SERVICE LOCATION <u>Ness City KS</u>	WELL/PROJECT NO. <u>#3</u>	LEASE <u>Cinda Flax</u>	COUNTY/PARISH <u>Leas</u>	STATE <u>KS</u>	CITY <u>Arnold</u>	DATE <u>13 Nov 18</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	WELL CATEGORY <u>Dev</u>	RIG NAME/NO.	SHIPPED <u>W/1</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3. WELL TYPE <u>Oil</u>	INVOICE INSTRUCTIONS	JOB PURPOSE <u>convert long string</u>			WELL PERMIT NO.		
4. REFERRAL LOCATION						WELL LOCATION <u>25-16-25</u>	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	20	mi			5.00	100.00
578					Pump Charge	1	ea			1300.00	1300.00
403					Convent Basket	5	in	1	ea	275.00	1375.00
404					Port Collar	5	in	1	ea	500.00	2500.00
406					Latch down plug & baffle	5	in	1	ea	250.00	1250.00
407					Insert float shoe w/ auto fill	5	in	1	ea	325.00	1625.00
409					Turboliner	5	in	1	ea	185.00	925.00
					Rotating head rental	5	in	1	ea	200.00	1000.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X William W. Daniel  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	5685.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					5696.50
WE UNDERSTOOD AND MET YOUR NEEDS?					16381.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	11935.20
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: WJH  
 Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 13 NOV 18 PAGE NO. 1

CUSTOMER Petroleum WELL NO. #3 LEASE Conda Flax JOB TYPE cement long string TICKET NO. 31858

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD cement w/ 1/4" floccle
								100 sk ST-2 cement w/ 1/4" floccle
								5 1/2" x 14" casing 110 jts - 4639' out 11/3/12 99
								shoejt 42.14' Port Collar #66 - 1857' Brist #66
								Centralizers 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 65
	1900							on loc TRK Wt
	2035							start 5 1/2" x 14" casing in well
	2300							Drop ball - circulate - ROTATE
14 NOV	0010	4	12			300		plump 500 gal mud flush
		4	20			300		plump 20 bbl KCL flush
			5					Plug RH 30 sk
	0025	4 1/2	52			300		Mix SMD cement 95 sk @ 11.2 ppg
		4 1/2	21			300		Mix ST-2 cement 100 sk @ 15.3 ppg
	0045							Drop latch down plug
								wash out pump & line
	0050	5 3/4				30		Displace plug
		5	107			1000		
	0115	5	112			1500		hand plug
								Release pressure to truck - dived up
								wash truck
								Rack up
	0150							job complete
								Trucks
								Blaine. Flax # 15000



RECEIVED

NOV 10 2018

**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: cementing@ruraltel.net

Date: 11/7/2018  
 Invoice # 968

P.O.#:  
 Due Date: 12/7/2018  
 Division: Russell

# Invoice

**Contact:**  
 Palomino Petroleum Inc  
**Address/Job Location:**

4924 SE 84th  
 Newton Ks 67114

**Reference:**  
 CINDA FLAX 3 SEC 25-16-25

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 657.71	No				
Common-Class A	120	\$ 1,822.31	Yes				
Calcium Chloride	6	\$ 247.69	Yes				
POZ Mix-Standard	30	\$ 154.81	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 117.21	No				
Pump Truck Mileage-Job to Nearest Camp	23	\$ 76.30	No				
Premium Gel (Bentonite)	3	\$ 64.13	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	23	\$ 59.34	No				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,199.51  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (79.99)

SubTotal for Taxable Items:	\$ 2,231.72
SubTotal for Non-Taxable Items:	\$ 887.80
<b>Total:</b>	<b>\$ 3,119.52</b>
<b>Tax:</b>	<b>\$ 145.06</b>

6.50% Ness County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 3,264.58**  
**Applied Payments:**  
**Balance Due: \$ 3,264.58**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
 ©2008-2013 Straker Investments, LLC. All rights reserved.

# QUALITY OILWELL CEMENTING, INC.

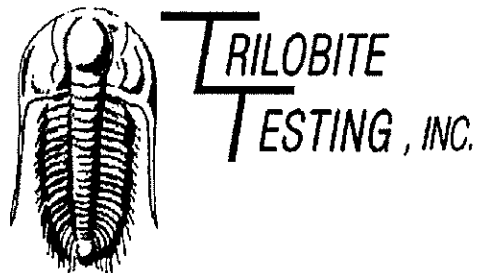
Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 968

Date	11-7-18	Sec.	25	Twp.	16	Range	25	County	Ness	State	KS	On Location		Finish	11:00 AM
Lease								Well No.		Owner					
Cinda Flax								3		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Contractor										Charge To					
W W # 22										Palomino petroleum					
Type Job										Street					
Surface										City					
Hole Size								T.D.		State					
12 1/4								221		The above was done to satisfaction and supervision of owner agent or contractor.					
Csg.								Depth		Cement Amount Ordered					
8 5/8								221		150 80/20 3% cc 2% Gel					
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg.								Shoe Joint							
20'															
Meas Line								Displace							
								12 3/4 bbl							
<b>EQUIPMENT</b>												Common			
Pumptrk 17 No. Cementer												120			
Helper Brett												30			
Bulktrk 9 No. Driver												3			
Driver Tony												6			
Bulktrk No. Driver															
Driver															
<b>JOB SERVICES &amp; REMARKS</b>												Hulls			
Remarks:												Salt			
Rat Hole												Flowseal			
Mouse Hole												Kol-Seal			
Centralizers												Mud CLR 48			
Baskets												CFL-117 or CD110 CAF 38			
D/V or Port Collar												Sand			
												Handling 159			
Ran 220' 8 5/8 casing + Est cir												Mileage			
Mix 150 sx cement												<b>FLOAT EQUIPMENT</b>			
Displaced 12 3/4 bbl												Guide Shoe			
												Centralizer			
Cement circulated!!												Baskets			
												AFU Inserts			
												Float Shoe			
												Latch Down			
												Pumptrk Charge Surface			
												Mileage 23			
												Tax			
												Discount			
												Total Charge			
Signature Raw Gonzal															



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th ST  
Newton KS 67114-8827

ATTN: Andrew Stenzel

**Cinda Flax #3**

**25-16S-25W Ness KS**

Start Date: 2018.11.12 @ 14:12:00

End Date: 2018.11.13 @ 05:21:00

Job Ticket #: 64764                      DST #: 1

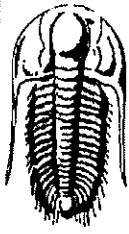
Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.11.13 @ 11:23:55





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th ST  
 Newton KS 67114-8827  
 ATTN: Andrew Stenzel

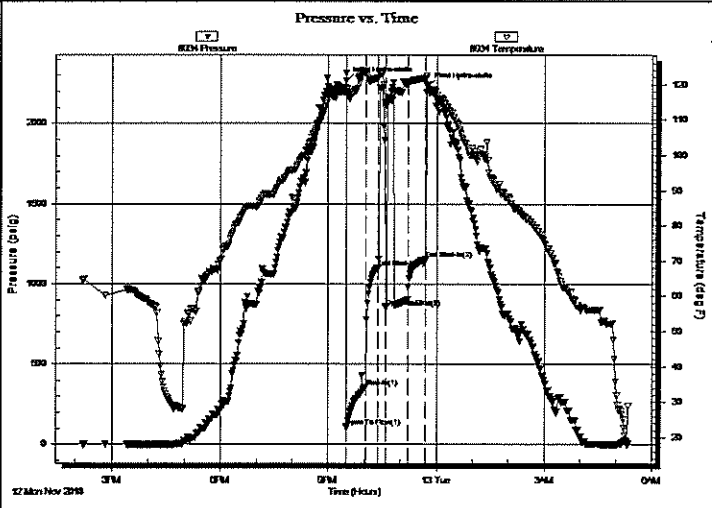
**25-16S-25W Ness KS**  
**Cinda Flax #3**  
 Job Ticket: 64764      DST#: 1  
 Test Start: 2018.11.12 @ 14:12:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 21:30:45  
 Time Test Ended: 05:21:00  
 Interval: **4427.00 ft (KB) To 4522.00 ft (KB) (TVD)**  
 Total Depth: **4640.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Spencer J. Staab  
 Unit No: 84  
 Reference Elevations: **2516.00 ft (KB)**  
    **2506.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

**Serial #: 8934**      Inside  
 Press@RunDepth: 902.38 psig @ 4428.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2018.11.12      End Date: 2018.11.13      Last Calib.: 2018.11.13  
 Start Time: 14:12:15      End Time: 05:21:00      Time On Btm: 2018.11.12 @ 21:30:15  
                   Time Off Btm: 2018.11.12 @ 23:44:00

**TEST COMMENT:** 30-IF-Strong; BOB in 6 mins; Built to 42"  
 30-ISI-Weak Surface Blow  
 30-FF-Top Packers Failed; Reset and Held; Built to 7"  
 30-FSI-Weak; Built to 1/4"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.43	118.37	Initial Hydro-static
1	108.03	118.39	Open To Flow (1)
32	356.10	123.15	Shut-In(1)
54	1102.17	121.87	End Shut-In(1)
65	855.19	114.36	Open To Flow (2)
103	902.38	120.17	Shut-In(2)
132	1157.22	121.68	End Shut-In(2)
134	2233.50	119.79	Final Hydro-static

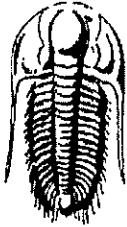
Recovery		
Length (ft)	Description	Volume (bbl)
125.00	MO 40%M 60%O	0.61
1190.00	SOCM 5%O 95%M	13.42
700.00	HOCM 25%O 75%M	9.92

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









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc  
4924 SE 84th ST  
New ton KS 67114-8827  
ATTN: Andrew Stenzel

**25-16S-25W Ness KS**  
**Cinda Flax #3**  
Job Ticket: 64764      DST#: 1  
Test Start: 2018.11.12 @ 14:12:00

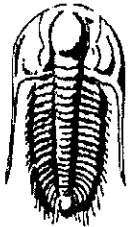
### Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.82 inches	Volume: 55.57 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 497.00 ft	Diameter: 2.25 inches	Volume: 2.44 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 58.01 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4427.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	212.00 ft			
Tool Length:	241.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4399.00	
Shut In Tool	5.00			4404.00	
Hydraulic tool	5.00			4409.00	
Jars	5.00			4414.00	
Safety Joint	3.00			4417.00	
Packer	5.00			4422.00	29.00      Bottom Of Top Packer
Packer	5.00			4427.00	
Stubb	1.00			4428.00	
Recorder	0.00	8368	Inside	4428.00	
Recorder	0.00	8934	Inside	4428.00	
Perforations	10.00			4438.00	
Change Over Sub	1.00			4439.00	
Drill Pipe	64.00			4503.00	
Change Over Sub	1.00			4504.00	
Perforations	12.00			4516.00	
Blank Off Sub	1.00			4517.00	
Top S. Packer	4.00			4521.00	
Straddle Packer	1.00			4522.00	
Stubb	1.00			4523.00	
Perforations	15.00			4538.00	
Change Over Sub	1.00			4539.00	
Recorder	0.00	9120	Below	4539.00	
Drill Pipe	96.00			4635.00	
Change Over Sub	1.00			4636.00	
Bullnose	3.00			4639.00	212.00      Bottom Packers & Anchor

**Total Tool Length: 241.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum Inc  
4924 SE 84th ST  
New ton KS 67114-8827  
ATTN: Andrew Stenzel

**25-16S-25W Ness KS**  
**Cinda Flax #3**  
Job Ticket: 64764      **DST#: 1**  
Test Start: 2018.11.12 @ 14:12:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
125.00	MO 40%M 60%O	0.615
1190.00	SOCM 5%O 95%M	13.425
700.00	HOCM 25%O 75%M	9.923

Total Length: 2015.00 ft      Total Volume: 23.963 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: 1#LCM

Serial #: 8934

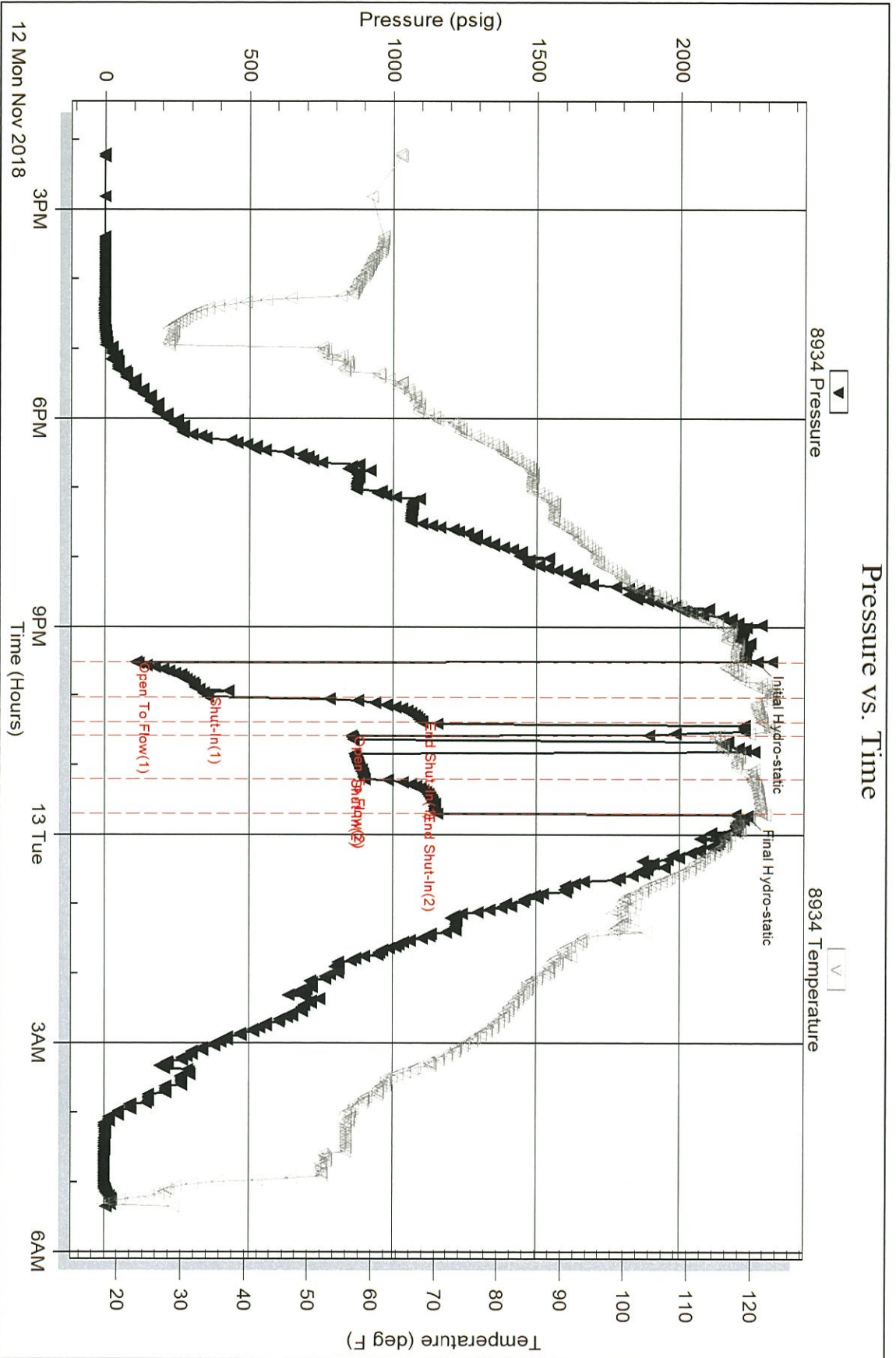
Inside

Palomino Petroleum Inc

Cinda Fax #3

DST Test Number: 1

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 64764

Printed: 2018.11.13 @ 11:23:56

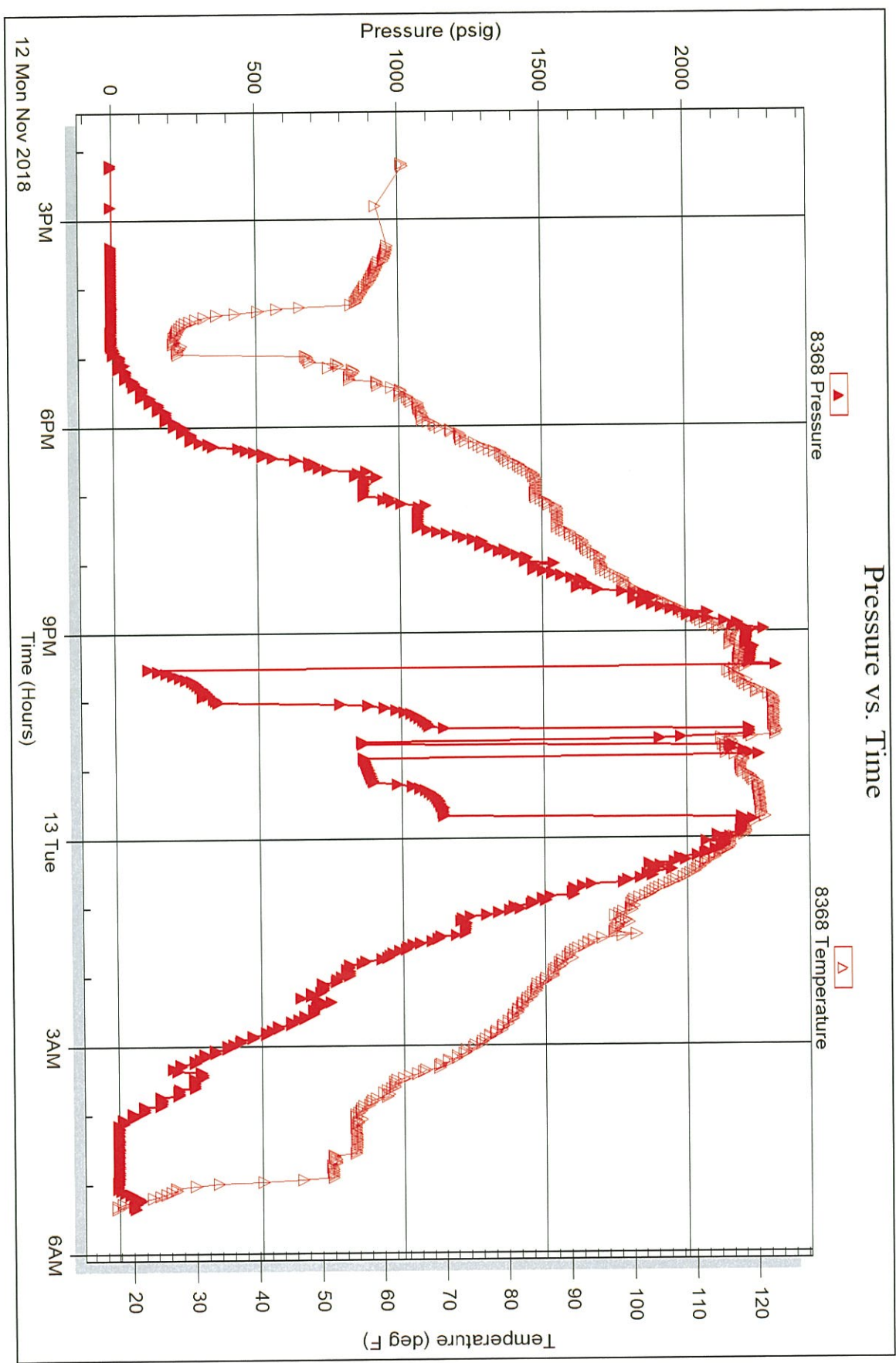
Serial #: 8368

Inside

Palomino Petroleum Inc

Cinda Flax #3

DST Test Number: 1

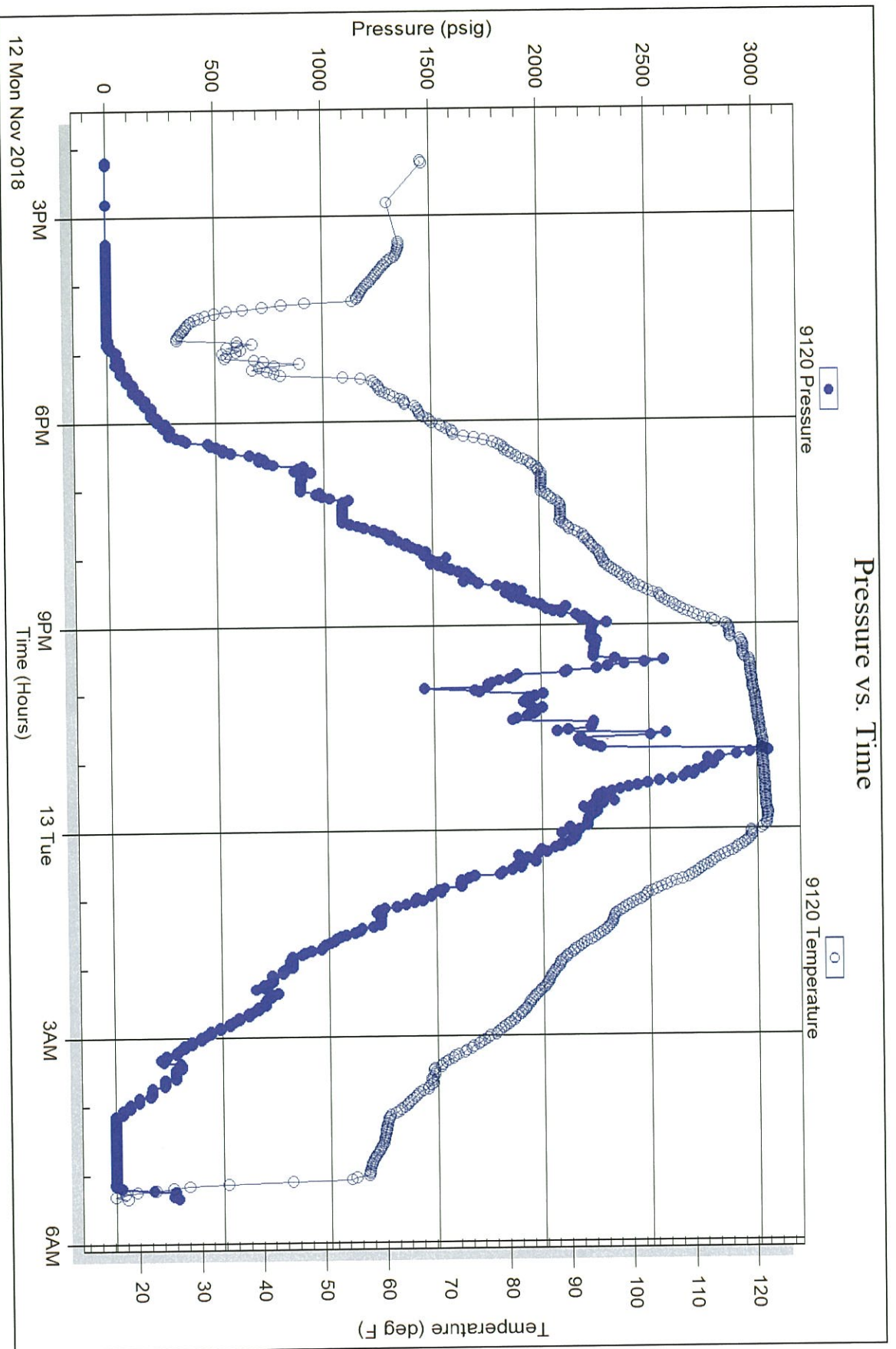


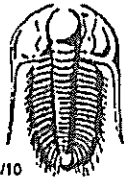
Serial #: 9120

Below (Surratt) Petroleum Inc

Cinda Fax #3

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 64764

Well Name & No. Cinda Flow #3 Test No. 1 Date 11/12/2018  
 Company Laboratory Petroleum Inc. Elevation 2516 KB 2506 GL  
 Address 4924 SE 84th ST Newton KS 67114 + 8827  
 Co. Rep / Geo. Andrew Stempel Rig 209W#20  
 Location: Sec. 25 Twp 16S Rge. 25W Co. Neos State Ks

Interval Tested 4425'-4523' Zone Tested Mississippi  
 Anchor Length 98' 11" tail Drill Pipe Run 3920' Mud Wt. 9.2  
 Top Packer Depth 4425' Drill Collars Run 497' Vls 33  
 Bottom Packer Depth 4523' Wt. Pipe Run 0' WL 7.6  
 Total Depth 4640' Chlorides 2400 ppm System LCM 1#

Blow Description 27-Strong; BOB in 6 mins; Built to 77' Top Packers Failed; Resed + Held; Built to 7" 7SD 9' Weak; Built to 4"

Rec	Feet of	%gas	%oil	%water	%mud
125	MC	10		40	
1190	500M	5		95	
700	300M	25		75	

Rec Total 2015 BHT \_\_\_\_\_ Gravity 30° API RW - @ - F Chlorides - ppm  
 (A) Initial Hydrostatic 2267  Test 1150 T-On Location 13:10  
 (B) First Initial Flow 108  Jars 250 T-Started 14:12  
 (C) First Final Flow 356  Safety Joint 75 T-Open 21:31  
 (D) Initial Shut-In 1102  Circ Sub \_\_\_\_\_ T-Pulled 23:40  
 (E) Second Initial Flow 855  Hourly Standby X6 5h 400 T-Out 05:22  
 (F) Second Final Flow 902  Mileage 120 27 120 Comments Loaded after test  
 (G) Final Shut-In 1157  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2233  Straddle 600  EM Tool \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer 320  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Day Standby \_\_\_\_\_ Sub Total 320  
 Initial Shut-In 30  Accessibility \_\_\_\_\_ Total 2915  
 Final Flow 30 Sub Total 2595 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative James J. Stutz

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0058





Home  
(785) 798-3400

# Andrew Stenzel Geologist

Ness City, Kansas



Cell  
(785) 798-5977

Scale 1:240 (5"=100") Imperial  
Measured Depth Log

Well Name: Cinda Flax #3  
API: 15-135-26029-00-00  
Location: Sec. 25-16S-25W (Ness County)  
License Number: 33076  
Spud Date: 11/7/2018  
Surface Coordinates: 1208' FSL & 2457' FEL  
Region: KANSAS  
Drilling Completed: 11/13/18

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2506  
Logged Interval (ft): 3600 To: TD  
Formation: MISSISSIPPIAN  
Type of Drilling Fluid: Mud-Co Chemical  
K.B. Elevation (ft): 2516  
Total Depth (ft): 4640

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: Palomino Petroleum, Inc.  
Address: 4924 SE 84th St.  
Newton, KS 67114

## GEOLOGIST

Name: Andrew Stenzel  
Company: Petroleum Geologist  
Address: 501 S. Franklin  
Ness City, KS 67560

## Drilling Report

### DAILY DRILLING REPORT:

11/7/18 MIRU, ran surface casing  
11/8/18 Drilling @ 842'  
11/9/18 Drilling @ 2095'  
11/10/18 Drilling @ 3442'  
11/11/18 Drilling @ 4355'  
11/12/18 Ran electric logs, DST #1  
11/13/18 Ran Production casing

## Services

RIG: WW Drilling, Rig #22  
MUD: MUDCO  
LOGS: Gemini Wireline: CNDL, DIL, ML, PE  
TESTER: Trilobite Testing

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing at 220'

PRODUCTION Casing: Ran 111 jts new 5 1/2", 14# casing at 4638'

Formation Tops

Sample Tops		LogTops	
Anhy.	1877 (+639)	Anhy.	1877 (+639)
Base Anhy.	1909 (+607)	Base Anhy.	1910 (+606)
Heebner	3843 (-1327)	Heebner	3844 (-1328)
Lansing	3884 (-1368)	Lansing	3883 (-1367)
BKC	4174 (-1658)	BKC	4180 (-1664)
Pawnee	4303 (-1787)	Pawnee	4309 (-1793)
Ft. Scott	4378 (-1862)	Ft. Scott	4384 (-1868)
Cher. Sh.	4403 (-1887)	Cher. Sh.	4408 (-1892)
Miss.	4478 (-1962)	Miss.	4489 (-1973)
RTD	4635 (-2119)	LTD	4640 (-2124)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Palomino Petroleum Inc  
4924 SE 84th ST  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

**25-16S-25W Ness KS**  
**Cinda Flax #3**  
Job Ticket: 64764      **DST#: 1**  
Test Start: 2018.11.12 @ 14:12:00

**GENERAL INFORMATION:**

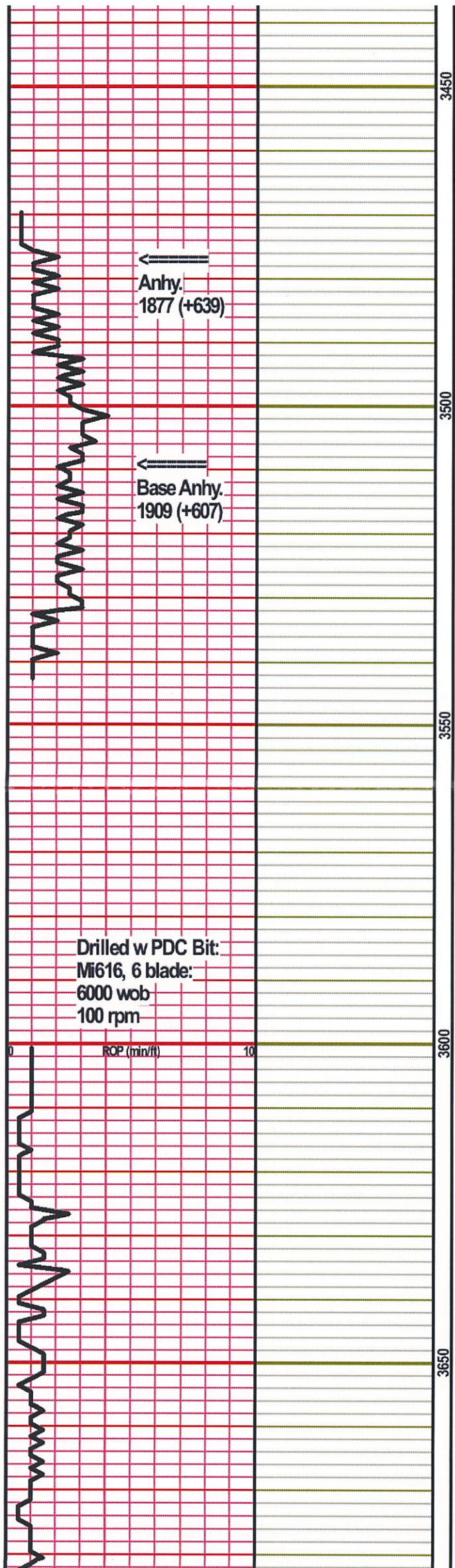
Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:30:45  
Time Test Ended: 05:21:00  
Interval: **4427.00 ft (KB) To 4522.00 ft (KB) (TVD)**

Test Type: Conventional Bottom Hole (Initial)  
Tester: Spencer J. Staab  
Unit No: 84  
Reference Elevations: 2516.00 ft (KB)









3450

3500

3550

3600

3650

←  
Anhy.  
1877 (+639)

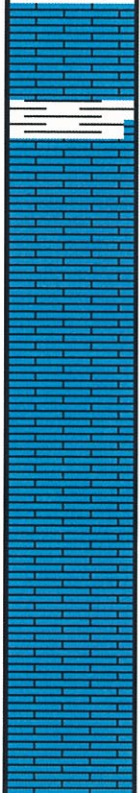
←  
Base Anhy.  
1909 (+607)

Drilled w PDC Bit:  
Mi616, 6 blade:  
6000 wob  
100 rpm

ROP (min/ft)

0

10



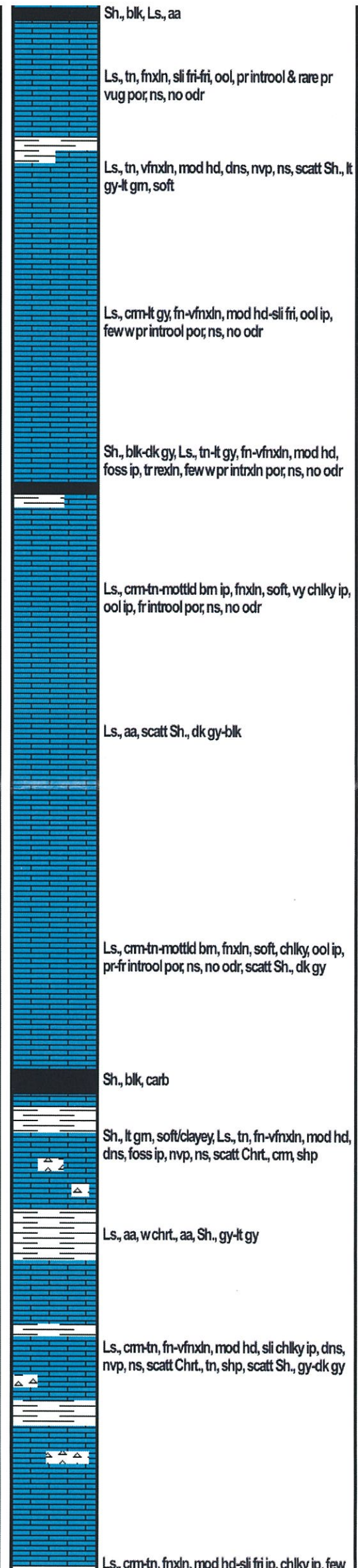
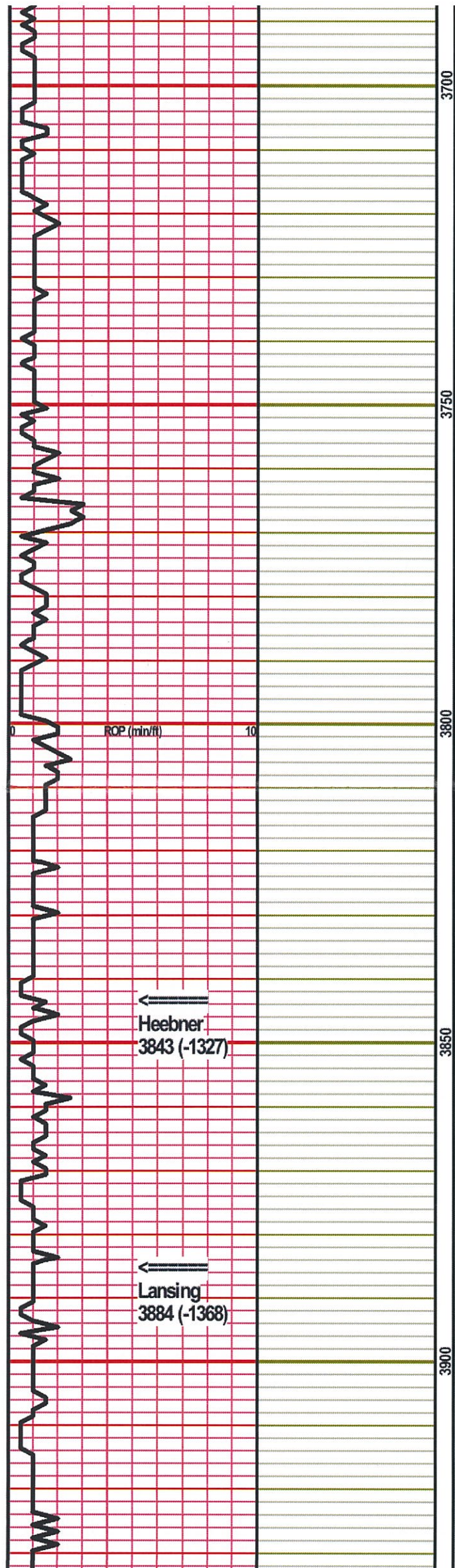
Ls., cm-lt gy-mottld bm ip, frxn, soft, foss, ool,  
pr-fr foss & intrxn por; ns, no odr, scatt Sh., gy

Ls., tn-lt gy, vfrxn, mod hd, dns, foss ip, nvp,  
ns

Ls., tn, frxn, mod hd-sli fri ip, ool, chky ip, pr-fr  
introol por; ns, no odr, scatt Sh., gy

Ls., cm-tn-mottld bm, frxn, sli fri-fri, chky, ool,  
fr introol por; ns, no odr

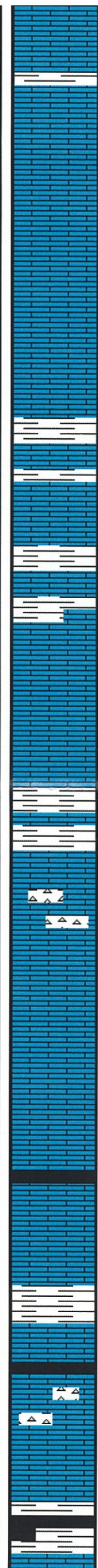
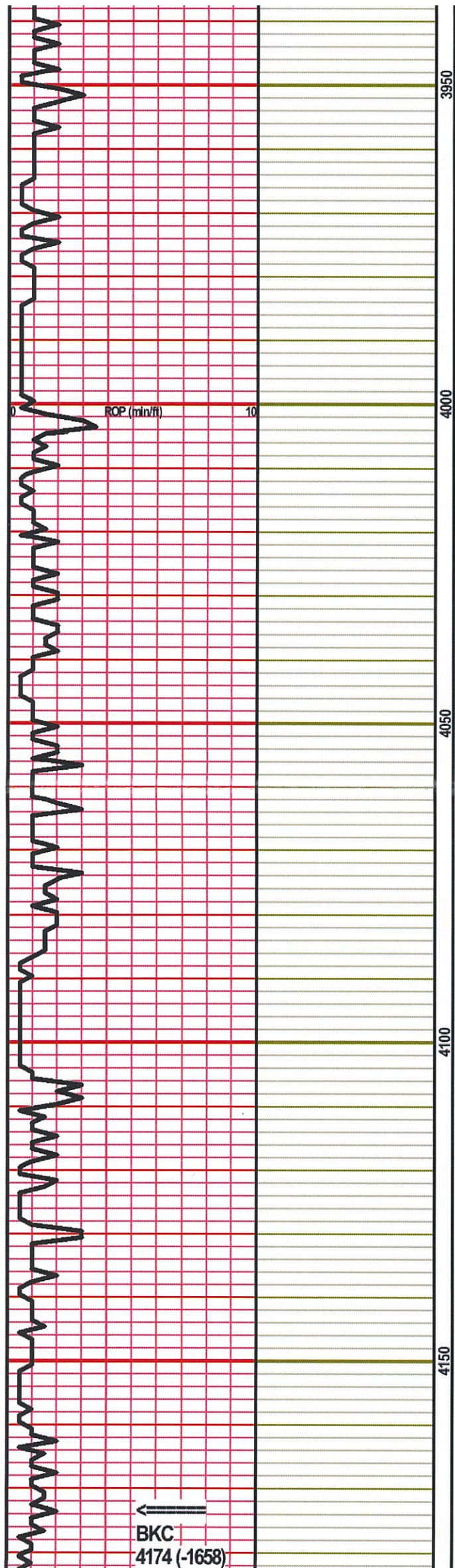




Heebner  
3843 (-1327)

Lansing  
3884 (-1368)





3950

Ls., cm, frxn, sli fri, sli chiky, pr intrxn por, ns, no odr

Ls., cm, frxn, sli fri, ool, fr ooc por, ns, no odr

4000

Ls., cm-lt gy, fn-vfrxn, mod hd, brittle, dns, nvp, ns, scatt Sh., gy-dk gy

Sh., gy-dk gy, Ls., aa wscatt Chrt., tn-lt gy, foss, weath ip

Ls., cm-tn, frxn, mod hd-sli fri, sli chiky ip, ool ip, few pcs w pr intrxn por, ns, no odr

4050

Sh., lt gm-lt gy, Ls., aa

Ls., cm, fn-vfrxn, mod hd, foss ip, dns, nvp, ns, abund Chrt., cm-tn, weath ip

4100

Ls., tn, frxn, sli fri, ool, fr-gd ooc por, ns, no odr

Ls., tn, vfrxn, mod hd-sli fri, dns, nvp, ns

Sh., blk, carb

Ls., cm-lt gy, vfrxn, mod hd-hd, foss ip, dns, nvp, ns, scatt Sh., gy

4150

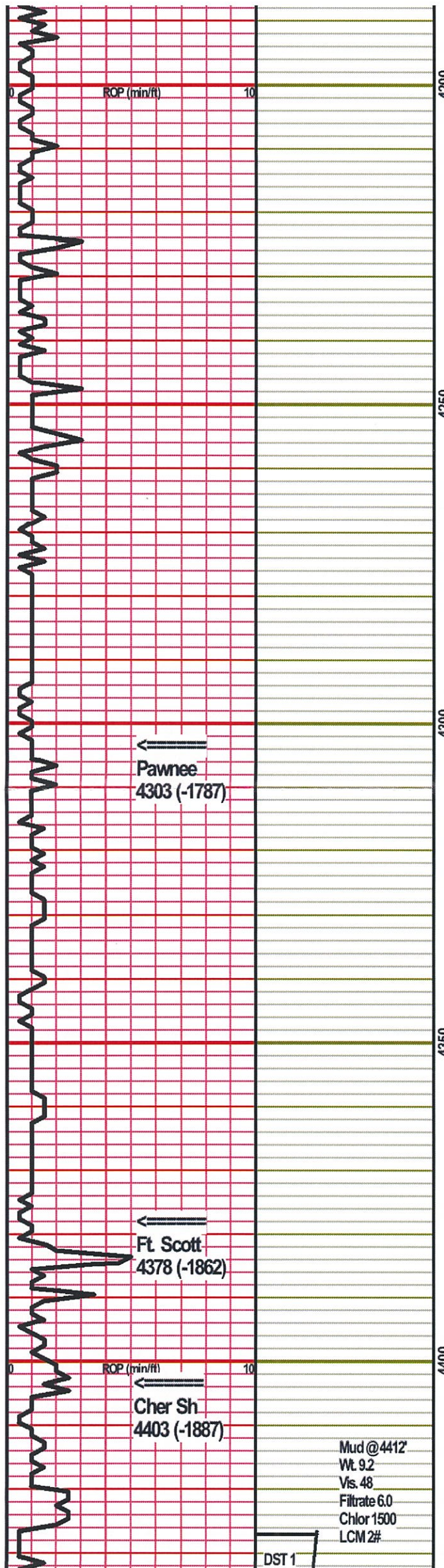
Sh., blk, carb

Ls., cm, vfrxn, mod hd, dns, nvp, ns, scatt Chrt., lt gy, shp

Sh., gy-blk, carb ip

←  
BKC  
4174 (-1658)





Ls., cm-lt gy, fn-vfnxn, mod hd, brittle, dns, nvp, ns, scatt Sh., gy-bm

Sh., gy-dk gy

Sh., bm, soft, Ls, cm, vfnxn, mod hd, shly, tr frags w shly infill, nvp, ns, no odr

Ls. & Sh., aa

Ls., cm-lt gy, fn-vfnxn, mod hd-sli fri, sli chky ip, tr frags w shly infill, ns, no odr, scatt Sh., gy

Ls., lt gy, vfnxn, mod hd, dns, nvp, ns

Sh., gy

Ls., lt gy, vfnxn, mod hd, sli chky, nvp, ns

Ls., lt gy-gy, vfnxn, mod hd, dns, nvp, ns

Sh., blk, carb

Ls., cm-tn, fnxn, mod hd, foss, few pcs w pr intrxn & occ pr vug por, SSFO, lt bm spot str, sli show gas, fr odr, abund Sh., gy-bm

Ls., cm-lt gy, fn-vfnxn, mod hd, couple pcs w fr vug por, fr rexdn along por, SSFO, lt bm spot str in por, wk odr

Sh., blk, carb

Ls., cm-lt gy, fnxn, mod hd, dns, foss ip, few pc w vy pr intrxn por, VSSFO, lt bm str, no det odr, scatt Chr., tn, sli weath, abund Sh., lt gy-lt gm

← Pawnee  
4303 (-1787)

← Ft. Scott  
4378 (-1862)

← Cher Sh  
4403 (-1887)

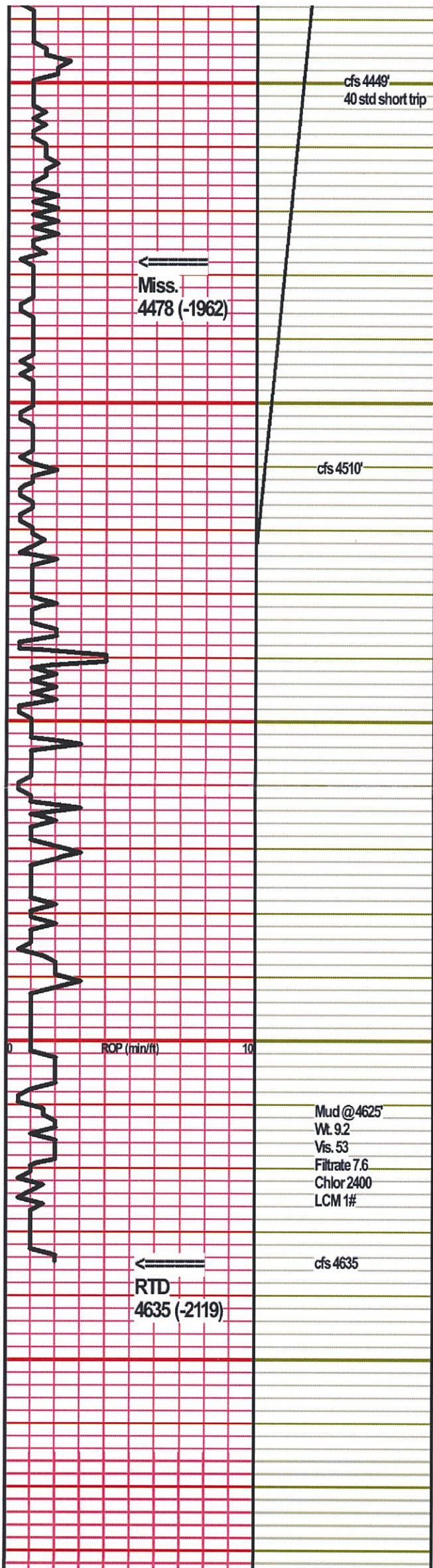
Mud @ 4412  
Wt 9.2  
Vis 48  
Filtrate 6.0  
Chlor 1500  
LCM 2#

DST 1

**DST #1 4427-4522  
Mississippi (Straddle)**

30-30-30-30  
IF: BOB in 6 min, built to 42"  
IS: WSB  
FF: Top packers failed, reset and held, built to 7"  
FS: Built to 1/4"





LS., aa, Sh., aa

SS, cm, pr-fr sort, sub md-sub ang, fr-med gm, some w nvp, many pcs chrt, w pr-fr intrgran por; GSFO, dk bm sat-sub sat stn, abund Chrt., tn-cm, vy weath, most w pr-fr intrgran & occ pr vug por; GSFO, sub sat-sat dk bm stn, sli show gas, wk bleed, wk odr

Chrt., cm-tn-org, weath, some w pr intrgran por; SSFO, sub sat blk res stn, no det odr, Ls., cm, vfnxn, mod hd, nvp, ns, Sh., vari col

Dol., cm-off white/lt yel, weath, some dns w nvp, many w pr-rare fr intrxn por; SSFO, bm sub sat stn, rare sat, wk cup odr; scatt Sh., aa

Dol., tn, fr-medxn, sli fri, fr intrxn & fr-occ gd vug por; rare fr spic cast por; GSFO, few w FSFO, most w even bm sat, vy gd odr; scatt Sh., gy

Dol., cm, fnxn, mod hd, most dns w nvp, abund Chrt., clr-wht, weath/ broken ip, nvp, ns, approx 25% of Dol w fr intrxn & vug por; GSFO, lt bm sat, fr cup odr

Dol., cm-tn, fnxn, mod hd-sli fri, pr intrxn por, few pcs w pr vug por; SSFO ip, some barren, wk odr; abund Chrt., aa, scatt Sh., gy-bm

Dol., cm, fnxn, sli fri, pr intrxn por; ns, no odr, Chrt., cm-wht, opq, weath ip, ns

Incr Chrt., aa, Dol., aa

1190' SOCM (5%O, 95%M)  
700' HOCM (25%O 75%M)

2015 TF\*

FP: 108-356; 855-902  
SIP: 1102-1157  
HP: 2267-2233

BHT: 121  
Gravity: 30  
Chlor: —

8 stds drill collars

Second flow pressures inaccurate due to packer failure

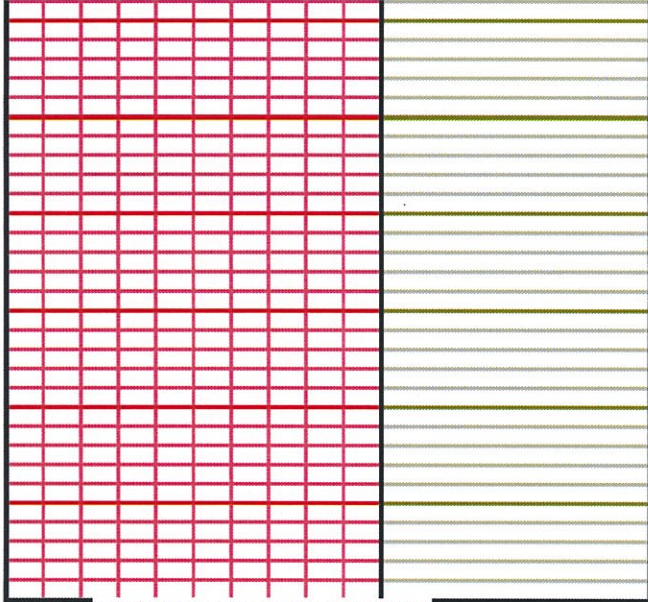
cfs 4449'  
40 std short trip

cfs 4510'

Mud @ 4625'  
Wt. 9.2  
Vis. 53  
Filtrate 7.6  
Chlor 2400  
LCM 1#

cfs 4635





4700

50

Printed from NeuraView 11/14/18