

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. 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
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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
<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	VALENTINE-PERMELIA 1
Doc ID	1411556

All Electric Logs Run

Dual Induction
Micro
Litho Density
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	VALENTINE-PERMELIA 1
Doc ID	1411556

Tops

Name	Top	Datum
Anhy.	1850	(+ 555)
Base Anhy.	1888	(+ 517)
Heebner	3676	(-1271)
Lansing	3716	(-1311)
BKC	4005	(-1600)
Marmaton	4024	(-1619)
Pawnee	4149	(-1744)
Ft. Scott	4212	(-1807)
Cherokee Sh.	4238	(-1833)
Miss.	4313	(-1908)
LTD	4451	(-2046)

RECEIVED

JUL 09 2018

Invoice



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



DATE	INVOICE #
7/3/2018	27334

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	#1	Valentine-Pe...	Trego	Cheyenne Well	Oil	Development	Port Collar	David E.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars	1	Job	1,300.00	1,300.00
290	D-Air	2	Gallon(s)	42.00	84.00T
105	Port Collar Tool Rental With Man	1	Each	275.00	275.00T
330	Swift Multi-Density Standard (MIDCON II)	165	Sacks	16.25	2,681.25T
276	Flocele	42	Lb(s)	2.50	105.00T
581D	Service Charge Cement	200	Sacks	1.75	350.00
583D	Drayage	376	Ton Miles	0.85	319.60
	Subtotal				5,314.85
	Sales Tax Trego County			8.00%	251.62

We Appreciate Your Business!	Total	\$5,566.47
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Services, Inc.

CHARGE TO: Palomino Petroleum

TICKET 27334

ADDRESS: _____
CITY, STATE, ZIP CODE: _____

CITY, STATE, ZIP CODE: _____

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Flays 18</u>	# <u>1</u>	<u>Valentine - Permian</u>	<u>Trigo</u>	<u>KS</u>		<u>7-3-18</u>	
2. <u>Ness City 18</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Chapman Well Service</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>D-1</u>	WELL CATEGORY <u>development</u>	JOB PURPOSE <u>Part collar</u>	<u>4</u>	<u>Lovington</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS				WELL LOCATION	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<u>75</u>					<u>Tr 2 # 111</u>		<u>40</u>	<u>mi</u>			<u>5.00</u>	<u>200.00</u>
<u>576 D</u>					<u>Pump Charge - Part collar</u>		<u>1</u>	<u>hr</u>			<u>1320.00</u>	<u>1320.00</u>
<u>290</u>					<u>D-Per</u>		<u>2</u>	<u>hr</u>			<u>42.00</u>	<u>84.00</u>
<u>105</u>					<u>Part collar tool rental plan</u>		<u>1</u>	<u>EA</u>			<u>275.00</u>	<u>275.00</u>
<u>330</u>					<u>Swift Multi Density</u>		<u>165</u>	<u>skt</u>			<u>16.25</u>	<u>2681.25</u>
<u>276</u>					<u>Fluic</u>		<u>42</u>	<u>lbs</u>			<u>2.50</u>	<u>105.00</u>
<u>581</u>					<u>Service Charge Cement</u>		<u>200</u>	<u>skt</u>			<u>1.75</u>	<u>350.00</u>
<u>583</u>					<u>Drillage</u>		<u>376</u>	<u>TM</u>			<u>.85</u>	<u>319.60</u>

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. _____

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

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5314.85

TOTAL: 5576.49

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: David Ekerman APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-3-18 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE Valentine-Permelia JOB TYPE Port Collar TICKET NO. 27334

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							On location
								Csg- 5 1/2 Tub- 2 7/8 Port Collar- 18 1/2'
	1045					1500		Test Tool - Good
	1050							Open Port Collar
	1055	25				400		Test - Blowing on Backside
	1100	5	0			800		Start Cmt - Snd e 11.2 ppg
		5	75			200		Circ Cmt / Raise Weight to 14.
		5	85			200		End Cmt - 165 sls pumped
		5	9			400		Disp
	1125					1500		Close Port Collar & Test
	1130					1500		Release Psi
								Run 5 Joints
	1145	3	20			200		Reverse out
	1200							Job Complete
								Thanks David, Zach & Isaac



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

RECEIVED

JUL 02 2018

Invoice

DATE	INVOICE #
6/25/2018	31598

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	#1	Valentine-Pe...	Trego	W&W DrillingRig...	Oil	Development	Cement 5 1/2 Lo...	David K.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
409-5	5 1/2" Turbolizer				11	Each	85.00	935.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
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
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
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
276	Flocele				50	Lb(s)	2.50	125.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
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
581D	Service Charge Cement				225	Sacks	1.75	393.75
583D	Drayage				457	Ton Miles	0.85	388.45
	Subtotal							11,657.45
	Sales Tax Trego County						8.00%	750.02

We Appreciate Your Business!

Total

\$12,407.47



CHARGE TO: Palomino Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 031598

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City KS</u>	<u>A1</u>	<u>Valentine-Permian</u>	<u>Logan</u>	<u>KS</u>	<u>Utica</u>	<u>6-25-18</u>	<u>Seave</u>
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.	
3.	<input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	<u>W2-12 Drilling</u>	<u>#12</u>	<u>W/AT</u>	<u>Location</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.		WELL LOCATION	
	<u>Oil</u>	<u>Development</u>	<u>Cement 5 1/2" Longstring</u>			<u>Utica - 8 1/2" by E in ho</u>	
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF		UM	UM	PRICE		
<u>575</u>					MILEAGE	<u>1</u>	<u>410</u>	<u>m</u>	<u>5</u>	<u>200</u>
<u>578</u>					<u>Tpk # 114</u>					
<u>409</u>					<u>Pump Charge - Longstring</u>	<u>1</u>	<u>1</u>	<u>job</u>	<u>1300</u>	<u>1300</u>
<u>403</u>					<u>Turbolizer</u>	<u>1</u>	<u>11</u>	<u>ea</u>	<u>85</u>	<u>935</u>
<u>406</u>					<u>Cement Basket</u>	<u>1</u>	<u>1</u>	<u>ea</u>	<u>275</u>	<u>275</u>
<u>407</u>					<u>Label Down Plug + Bottle</u>	<u>1</u>	<u>1</u>	<u>ea</u>	<u>250</u>	<u>250</u>
<u>404</u>					<u>Insert Foot Shoe w/ Aube Fill</u>	<u>1</u>	<u>1</u>	<u>ea</u>	<u>325</u>	<u>325</u>
<u>419</u>					<u>Part Collar</u>	<u>1</u>	<u>1</u>	<u>ea</u>	<u>2500</u>	<u>2500</u>
					<u>Robbing Head Renhal</u>	<u>1</u>	<u>1</u>	<u>ea</u>	<u>200</u>	<u>200</u>

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 Alan Lambert
 DATE SIGNED 6-25-18 TIME SIGNED 1:00 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 #1	5985
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	5672
WE UNDERSTOOD AND MET YOUR NEEDS?				TREAS	1169145
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				8000	75000
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	1940749
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<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 David Kuehn APPROVAL
 Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

Ticket No. 31598

CUSTOMER: Pelomina Petroleum
WELL: Madeline Petroleum H 1
DATE: 6-25-18
PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DR			QTY	U/M	QTY	U/M		
325		1				Standard Cement (EA-2)			100	SKS	13.00	1300.00
284		1				Celsool	5	%	5	SKS	35.00	175.00
283		1				S-1F	10	%	500	lbs	00.20	100.00
285		1				CFR-1	1/2	%	50	lbs	4.50	225.00
276		1				Flocel	1/4	lb	50	lbs	2.50	125.00
330		1				SMD Cement	125	SKS	16	25	2031.25	25
281		1				Mud Flush	500	gal	1	50	750	00
221		1				Liquid KCL	4	gal	25	00	100	00
290		1				D-Air	2	gal	42	00	84	00
581		1				SERVICE CHARGE			225		1.75	393.75
583		1				MILEAGE CHARGE			457		00.85	388.45

SEVICE CHARGE

MILEAGE CHARGE

LOADED MILES 40

CUBIC FEET

TON MILES

CONTINUATION TOTAL

5672.45

JOB LOG

SWIFT Services, Inc.

DATE 6-25-18 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		A1		Valentine-Permella		Longstring		31598	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1330								on location 5 1/2" 14"
									RTD - 4450' LTD - 4451'
									TP - 4451' SS - #1 43.38'
									PC - #63 1849' out - #50 #70 #109
									Tubing - #1 #3 #5 #7 #9 #11 #13 #14 #15 #17 #62
									Basket - #63
	1425								Start 5 1/2" 14" casing in well
	1630								Drop ball Rotate circulate
	1730	6	12		✓		300		Pump 500 gal Mud Flush
		6	20		✓		200		Pump 20 bbl KCL Flush
			11						Plug RH (30sts)
	1745	4	37		✓		200		Mix 95sts SMD @ 12.5 ppb
		4	24		✓		100		Mix 100sts EA-2 @ 15.5 ppb
									Wash out Pump + Lines
									Release Latch Down Plug
	1805	6	0		✓		100		Start Displacement
		6	90		✓		200		Lift Pressure
		6	106		✓		700		Max Lift Pressure
	1825	6	107.5		✓		1700		Land Latch Down Plug
									Release Pressure * Plug Hold *
									Wash up truck
	1900								Job Complete
									Thank You
									Dave Flint Kirby Gideon

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED

JUN 23 2018

Invoice

Date	Invoice #
6/21/2018	3369

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
VALENTINE PEM...	Due on receipt	

Quantity	Description	Rate	Amount
150	60/40 POZMIX CEMENT	13.75	2,062.50
5	CALCIUM-CHLORIDE	80.00	400.00T
3	BENTONITE GEL	30.00	90.00T
158	HANDLING	1.90	300.20
	BULK MILEAGE	750.00	750.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
55	HEAVY EQUIPMENT. ONE WAY	6.50	357.50
55	LMV- ONE WAY	2.75	151.25
	20% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	SCOTT CO SALES TAX	8.50%	41.65

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

Total \$5,003.10

3369

GLOBAL OIL FIELD SERVICES, LLC

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>6-18-18</u>	SEC. <u>Valentine</u>	TWP. <u>1</u>	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7-20-2018</u>
LEASE <u>Valentine</u>	WELL #.	LOCATION <u>East into</u>	<u>8 mi North of Utrich's</u>	COUNTY <u>Wago</u>	STATE <u>KS</u>		
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR WW Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 5/8 DEPTH 220'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE 25' SHOE JOINT

CEMENT LEFT IN CSG.

PERFS 12 1/4

DISPLACEMENT

OWNER Palomino Petroleum INC

CEMENT AMOUNT ORDERED 1503x 60/40 Poz

210 gal

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

EQUIPMENT

PUMP TRUCK # 704 CEMENTER Cody

HELPER Brad

BULK TRUCK # 711 DRIVER Cody

BULK TRUCK # DRIVER

REMARKS: Run 5 jt of 8 5/8 casing + Ljt hooked to rig
Broke circulation. Hooked to pump + pack pumped
150 gal cement displaced 12 1/4 hrs of H2O
and shut in.

Cement did not circulate to surface.

CHARGE TO: Palomino Petroleum INC

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

Global Oil Field Services, LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Cody Plummer

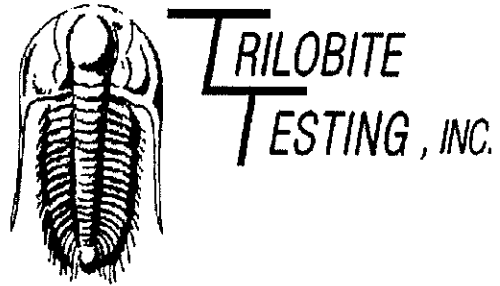
SIGNATURE Cody Plummer

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Palamino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114+8827

ATTN: Andrew Stenzel

Valentine-Permilia 1

70-15S-25W Trego,KS

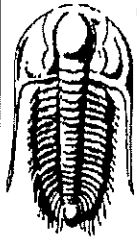
Start Date: 2018.06.22 @ 15:47:00

End Date: 2018.06.22 @ 22:45:02

Job Ticket #: 63876 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.06.25 @ 10:55:27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS

Valentine-Permilia 1

Job Ticket: 63876 DST#: 1

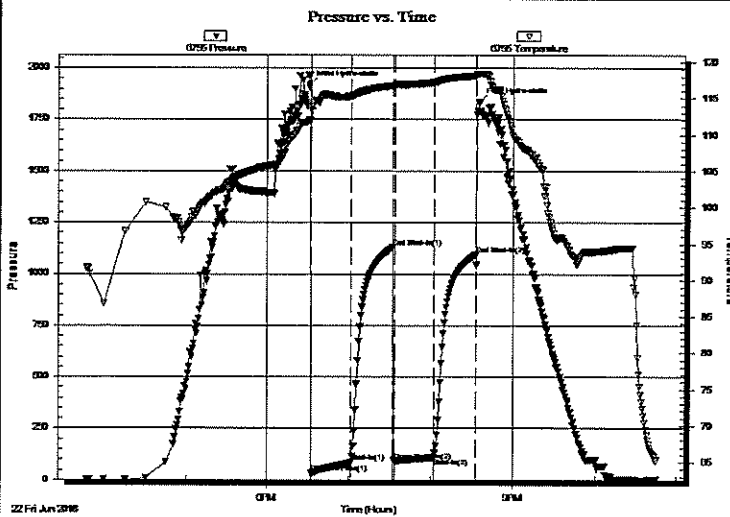
Test Start: 2018.06.22 @ 15:47:00

GENERAL INFORMATION:

Formation: **Lower LKC**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:32:02 Tester: Ken Swinney
 Time Test Ended: 22:45:02 Unit No: 72
 Interval: **3864.00 ft (KB) To 4011.00 ft (KB) (TVD)** Reference Elevations: 2405.00 ft (KB)
 Total Depth: 4011.00 ft (KB) (TVD) 2397.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 107.55 psig @ 3865.00 ft (KB) Capacity: psig
 Start Date: 2018.06.22 End Date: 2018.06.22 Last Calib.: 2018.06.22
 Start Time: 15:47:01 End Time: 22:45:02 Time On Btm: 2018.06.22 @ 18:30:47
 Time Off Btm: 2018.06.22 @ 20:34:47

TEST COMMENT: IFP 30 Minutes Blow built to 11"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Blow built to 10 3/4"
 FSI 30 Minutes 1/4" blow back



PRESSURE SUMMARY

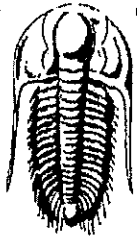
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.51	112.00	Initial Hydro-static
2	32.15	111.89	Open To Flow (1)
32	84.83	115.31	Shut-In(1)
62	1131.36	116.71	End Shut-In(1)
63	91.74	116.74	Open To Flow (2)
92	107.55	117.22	Shut-In(2)
122	1092.75	118.12	End Shut-In(2)
124	1833.15	118.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil cut Mud/ Oil 15% Mud 85%	0.30
92.00	Oil cut Watery Mud/ O 15% W 15% M 70%	0.45
62.00	Clean Oil 100%	0.65
0.00	30 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS

Valentine-Permilia 1

Job Ticket: 63876 DST#: 1

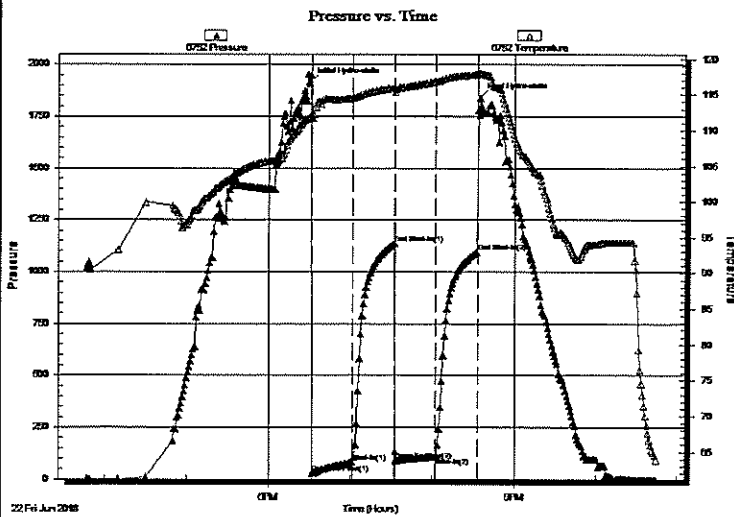
Test Start: 2018.06.22 @ 15:47:00

GENERAL INFORMATION:

Formation: **Lower LKC**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:32:02 Tester: Ken Swinney
 Time Test Ended: 22:45:02 Unit No: 72
 Interval: **3864.00 ft (KB) To 4011.00 ft (KB) (TVD)** Reference Elevations: 2405.00 ft (KB)
 Total Depth: 4011.00 ft (KB) (TVD) 2397.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: **6752** Outside
 Press@RunDepth: 1095.18 psig @ 3866.00 ft (KB) Capacity: psig
 Start Date: 2018.06.22 End Date: 2018.06.22 Last Calib.: 2018.06.22
 Start Time: 15:47:01 End Time: 22:45:02 Time On Btm: 2018.06.22 @ 18:30:17
 Time Off Btm: 2018.06.22 @ 20:34:47

TEST COMMENT: IFP 30 Minutes Blow built to 11"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Blow built to 10 3/4"
 FSI 30 Minutes 1/4" blow back



PRESSURE SUMMARY

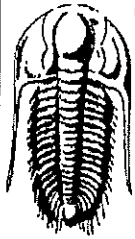
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.91	111.78	Initial Hydro-static
2	26.42	111.68	Open To Flow (1)
32	81.98	114.52	Shut-In(1)
62	1136.11	115.93	End Shut-In(1)
63	91.70	115.75	Open To Flow (2)
92	107.82	116.84	Shut-In(2)
123	1095.18	117.81	End Shut-In(2)
125	1839.73	118.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil cut Mud/ Oil 15% Mud 85%	0.30
92.00	Oil cut Watery Mud/ O 15% W 15% M 70%	0.45
62.00	Clean Oil 100%	0.65
0.00	30 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS
Valentine-Permilia 1
Job Ticket: 63876 DST#: 1
Test Start: 2018.06.22 @ 15:47:00

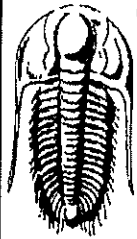
Tool Information

Drill Pipe:	Length: 3668.00 ft	Diameter: 3.80 inches	Volume: 51.45 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3864.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	146.53 ft			
Tool Length:	174.53 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3841.00	
Hydraulic tool	5.00			3846.00	
Jars	6.00			3852.00	
Safety Joint	2.00			3854.00	
Top Packer	5.00			3859.00	
Packer	5.00			3864.00	28.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	3865.00	
Recorder	1.00	6752	Outside	3866.00	
Anchor	15.00			3881.00	
Change Over Sub	1.00			3882.00	
Drill Pipe	124.53			4006.53	
Change Over Sub	1.00			4007.53	
Bullnose	3.00			4010.53	146.53 Anchor Tool

Total Tool Length: 174.53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS
Valentine-Permilia 1
Job Ticket: 63876 DST#: 1
Test Start: 2018.06.22 @ 15:47:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Oil cut Mud/ Oil 15% Mud 85%	0.305
92.00	Oil cut Watery Mud/ O 15% W 15% M 70%	0.452
62.00	Clean Oil 100%	0.651
0.00	30 feet of GIP	0.000

Total Length: 216.00 ft Total Volume: 1.408 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

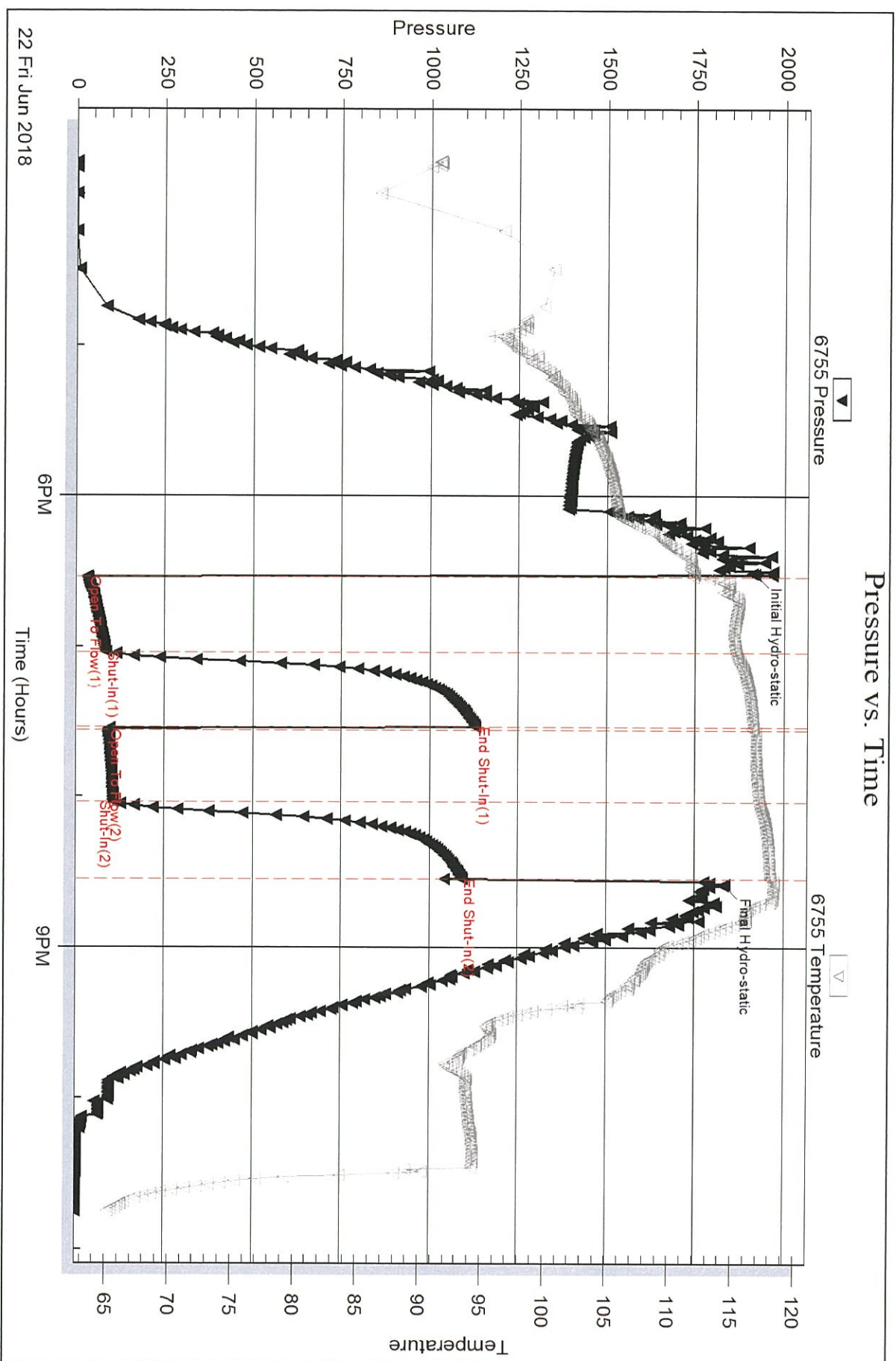
Serial #: 6755

Inside

Palamiro Petroleum Inc

Valentine-Ferrilla 1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63876

Printed: 2018.06.25 @ 10:55:29

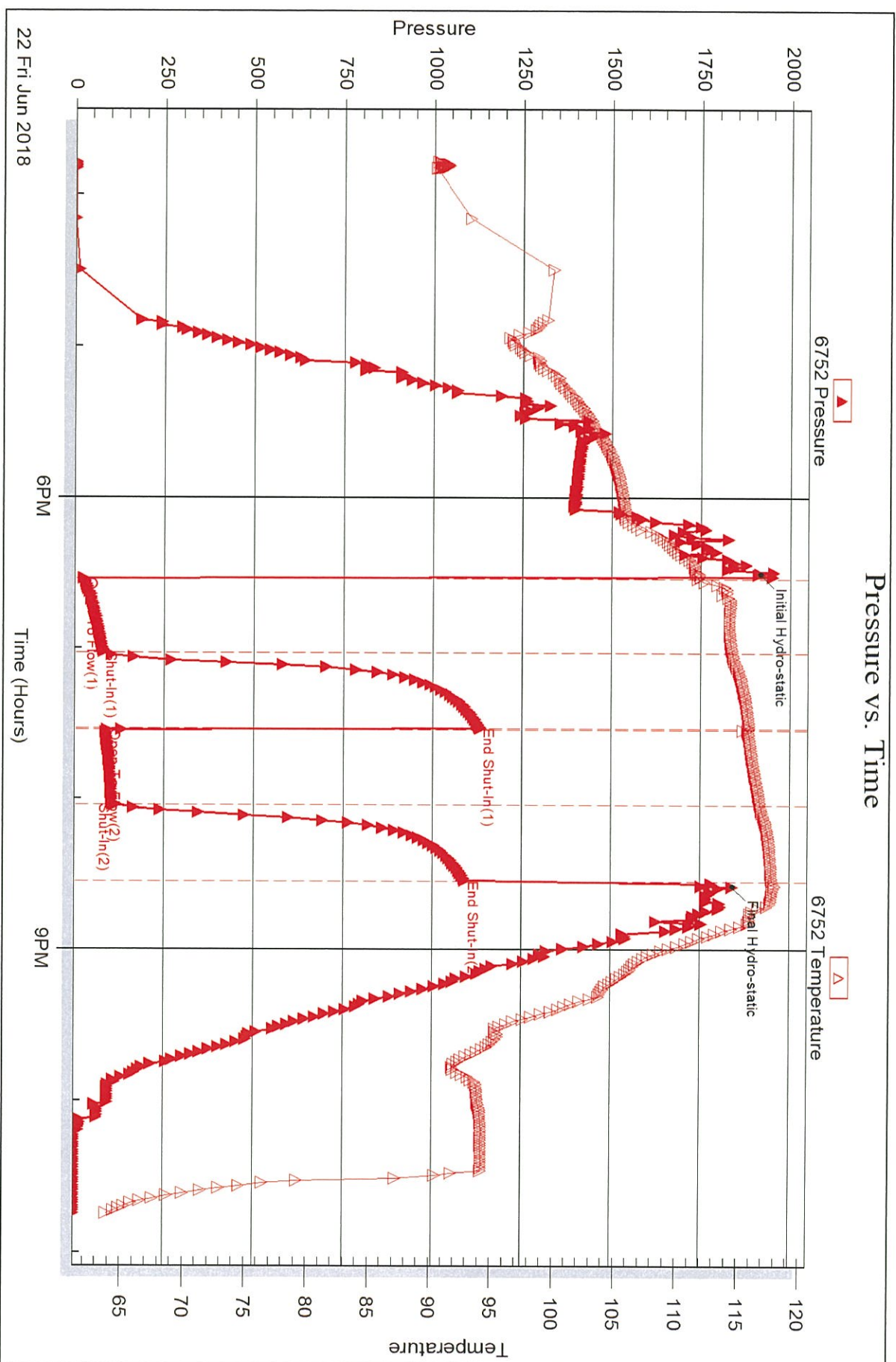
Serial #: 6752

Outside

Palamino Petroleum Inc

Valentine-Ferrilla 1

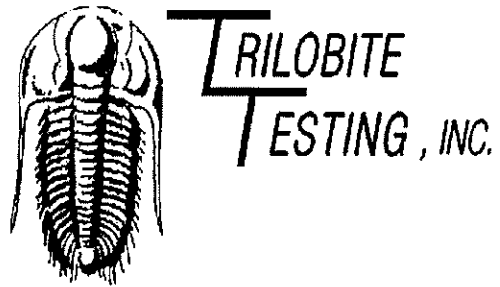
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 63876

Printed: 2018.06.25 @ 10:55:29



DRILL STEM TEST REPORT

Prepared For: **Palamino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114+8827

ATTN: Andrew Stenzel

Valentine-Permilia 1

70-15S-25W Trego,KS

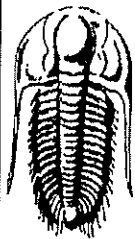
Start Date: 2018.06.24 @ 06:22:00

End Date: 2018.06.24 @ 13:36:02

Job Ticket #: 63877 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.06.25 @ 10:55:01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS

Valentine-Permilia 1

Job Ticket: 63877 **DST#: 2**

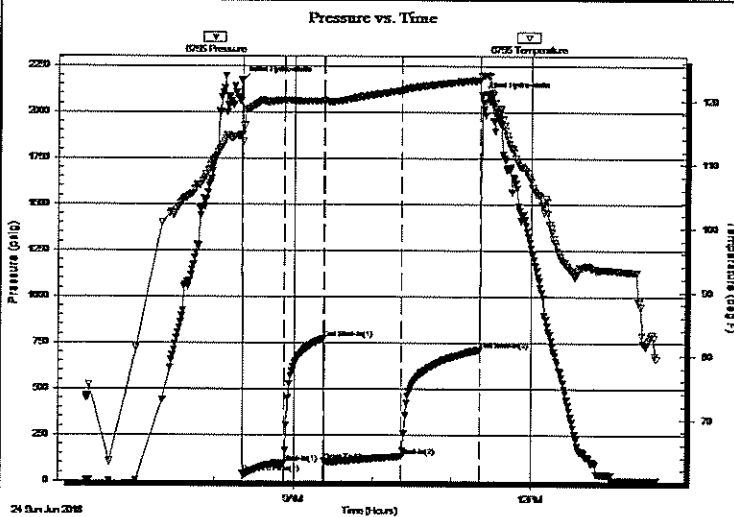
Test Start: 2018.06.24 @ 06:22:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:21:17
 Tester: Ken Swinney
 Time Test Ended: 13:36:02
 Unit No: 72
 Interval: **5258.00 ft (KB) To 4351.00 ft (KB) (TVD)**
 Reference Elevations: 2405.00 ft (KB)
 Total Depth: 4351.00 ft (KB) (TVD)
 2397.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6755 **Inside**
 Press@RunDepth: 134.35 psig @ 4259.00 ft (KB) Capacity: psig
 Start Date: 2018.06.24 End Date: 2018.06.24 Last Calib.: 2018.06.24
 Start Time: 06:22:01 End Time: 13:36:02 Time On Btm: 2018.06.24 @ 08:20:32
 Time Off Btm: 2018.06.24 @ 11:22:17

TEST COMMENT: IFP 30 Minutes Blow built to 11"
 ISI 30 Minutes 3/4" blow back
 FFP 60 Minutes Blow built to 24"
 FSI 60 Minutes 1" blow back



PRESSURE SUMMARY

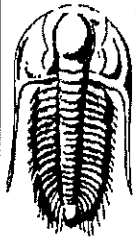
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.47	114.74	Initial Hydro-static
1	41.13	113.64	Open To Flow (1)
32	95.81	120.14	Shut-In(1)
62	770.53	119.99	End Shut-In(1)
63	105.50	120.07	Open To Flow (2)
122	134.35	121.71	Shut-In(2)
181	711.72	123.31	End Shut-In(2)
182	2088.26	123.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Oil cut Mud/ O 20% M 80%	0.99
139.00	Gassy Oil/ G 15% O 85%	1.95
0.00	355 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS

Valentine-Permilia 1

Job Ticket: 63877 DST#: 2

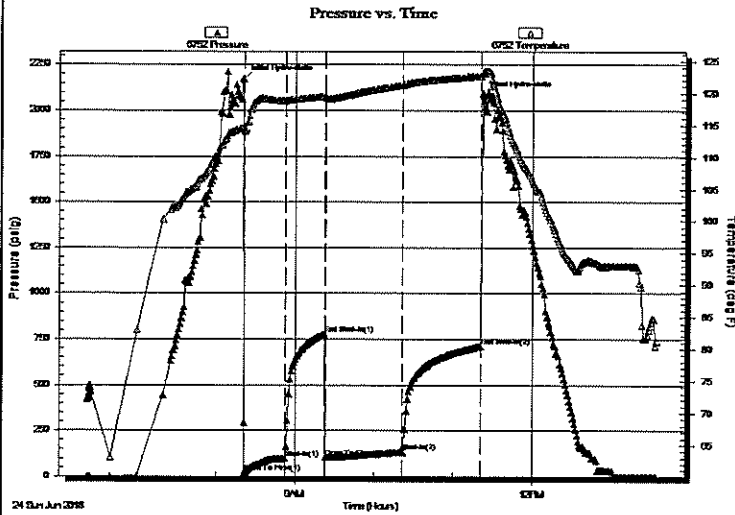
Test Start: 2018.06.24 @ 06:22:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:21:17 Tester: Ken Swinney
 Time Test Ended: 13:36:02 Unit No: 72
 Interval: **5258.00 ft (KB) To 4351.00 ft (KB) (TVD)** Reference Elevations: 2405.00 ft (KB)
 Total Depth: 4351.00 ft (KB) (TVD) 2397.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: **6752** Outside
 Press@RunDepth: 712.75 psig @ 4260.00 ft (KB) Capacity: psig
 Start Date: 2018.06.24 End Date: 2018.06.24 Last Calib.: 2018.06.24
 Start Time: 06:22:01 End Time: 13:36:02 Time On Btm: 2018.06.24 @ 08:20:32
 Time Off Btm: 2018.06.24 @ 11:22:47

TEST COMMENT: IFP 30 Minutes Blow built to 11"
 ISI 30 Minutes 3/4" blow back
 FFP 60 Minutes Blow built to 24"
 FSI 60 Minutes 1" blow back



PRESSURE SUMMARY

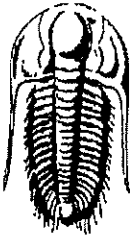
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.10	114.64	Initial Hydro-static
1	23.47	114.24	Open To Flow (1)
32	96.65	118.80	Shut-In(1)
62	776.99	119.43	End Shut-In(1)
63	104.72	119.23	Open To Flow (2)
122	133.96	121.32	Shut-In(2)
181	712.75	122.70	End Shut-In(2)
183	2082.33	123.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Oil cut Mud/ O 20% M 80%	0.99
139.00	Gassy Oil/ G 15% O 85%	1.95
0.00	355 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego, KS
Valentine-Permian 1
Job Ticket: 63877 DST#: 2
Test Start: 2018.06.24 @ 06:22:00

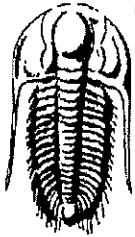
Tool Information

Drill Pipe:	Length: 4073.00 ft	Diameter: 3.80 inches	Volume: 57.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 58.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4258.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.27 ft			
Tool Length:	121.27 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4235.00	
Hydraulic tool	5.00			4240.00	
Jars	6.00			4246.00	
Safety Joint	2.00			4248.00	
Top Packer	5.00			4253.00	
Packer	5.00			4258.00	28.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	4259.00	
Recorder	1.00	6752	Outside	4260.00	
Anchor	23.00			4283.00	
Change Over Sub	1.00			4284.00	
Drill Pipe	63.27			4347.27	
Change Over Sub	1.00			4348.27	
Bullnose	3.00			4351.27	93.27 Anchor Tool

Total Tool Length: 121.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palamino Petroleum Inc
4924 SE 84th St
New ton, KS 67114+8827
ATTN: Andrew Stenzel

70-15S-25W Trego,KS
Valentine-Permilia 1
Job Ticket: 63877 DST#: 2
Test Start: 2018.06.24 @ 06:22:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Oil cut Mud/ O 20% M 80%	0.988
139.00	Gassy Oil/ G 15% O 85%	1.950
0.00	355 feet of GIP	0.000

Total Length: 325.00 ft Total Volume: 2.938 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

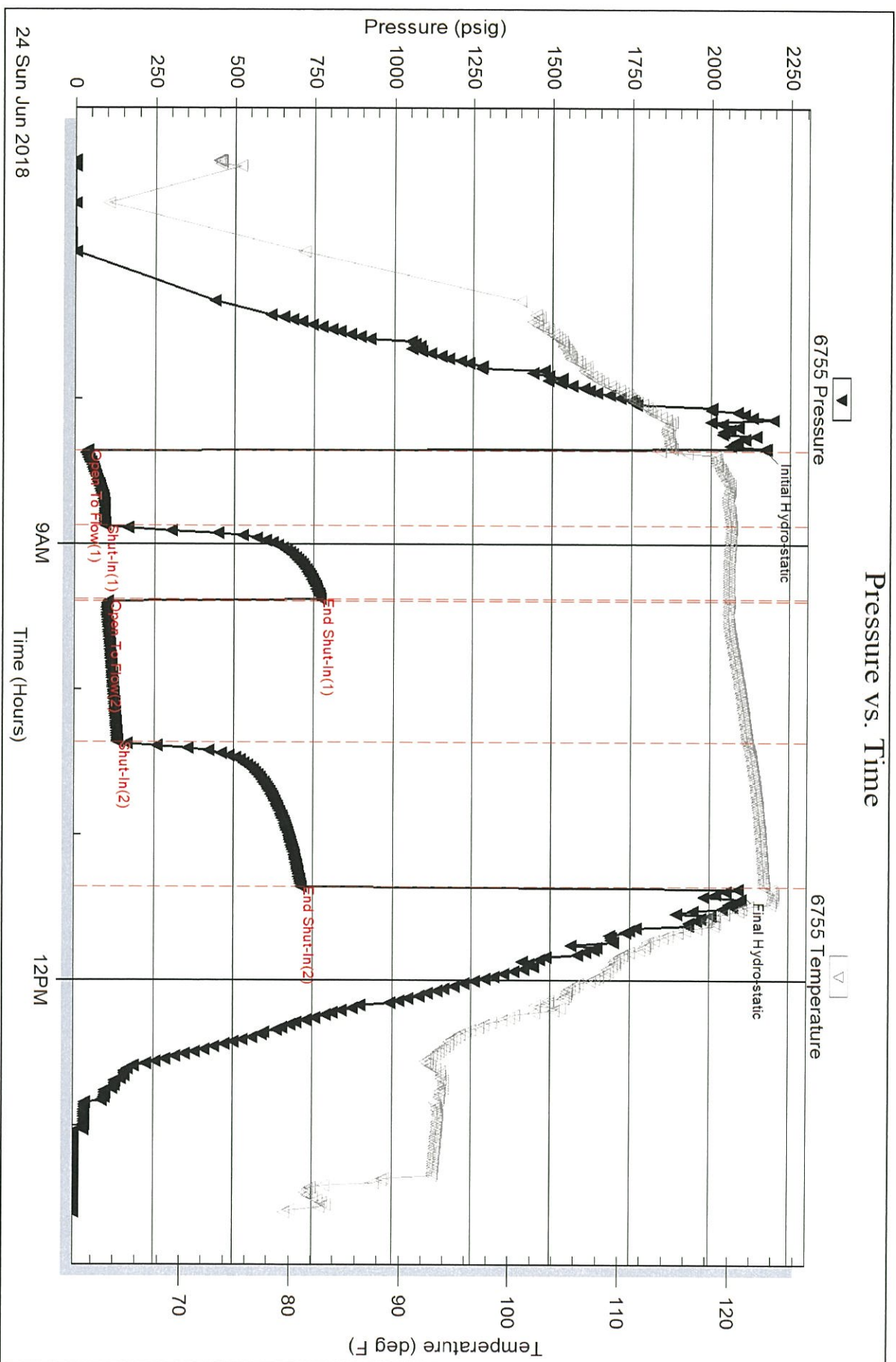
Serial #: 6755

Inside

Palamino Petroleum Inc

Valentine-Ferrilla 1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63877

Printed: 2018.06.25 @ 10:55:02

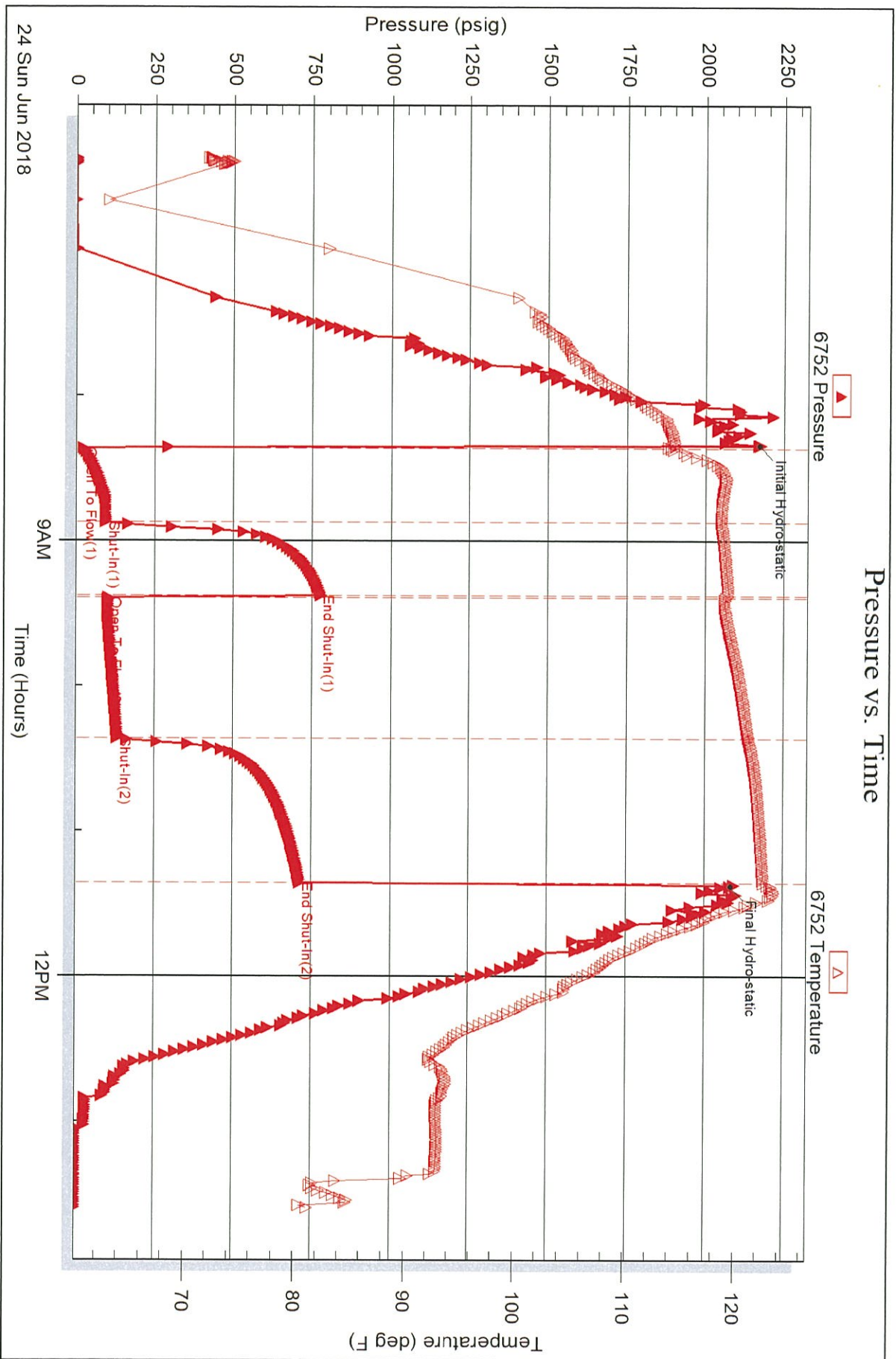
Serial #: 6752

Outside

Palamino Petroleum Inc

Valentine-Ferrilla 1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63876

Well Name & No. Valentine-Permian #1 Test No. 22 Jun 18 Date 1
 Company Petroleum Inc Elevation 2405 KB 2397 GL
 Address 4924 SE 84st Newton, Kansas 67114 + 8827
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig 12
 Location: Sec. 7 Twp 15S Rge. 25W Co. Trego State _____

Interval Tested 3864-4011 Zone Tested Lansing/Kansas City
 Anchor Length 147 Drill Pipe Run 3668 Mud Wt. 9.0
 Top Packer Depth 3859 Drill Collars Run 178.76 Vis 6.0
 Bottom Packer Depth 3864 Wt. Pipe Run - WL 6.0
 Total Depth 4011 Chlorides 3000 ppm System LCM 2#

Blow Description I.F. Blow built to 11 inches
I.S.I. No blow back
F.F. Blow built to 10 3/4 inches
F.S.I. 1/2 inch blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>GIP</u>	<u>100</u>			
<u>62</u>	<u>Clear oil</u>		<u>100</u>		
<u>62</u>	<u>Oil cut mud</u>		<u>15</u>		<u>85</u>
<u>92</u>	<u>oil cut watery mud</u>		<u>15</u>	<u>15</u>	<u>70</u>
Rec	Feet of	%gas	%oil	%water	%mud

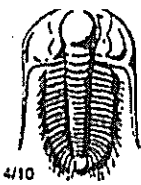
Rec Total 216 BHT 118 Gravity 31 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1916 Test 1150 T-On Location 1:58 pm
 (B) First Initial Flow 32 Jars 250 T-Started 3:47 pm
 (C) First Final Flow 84 Safety Joint 75 T-Open 6:31 pm
 (D) Initial Shut-In 1131 Circ Sub _____ T-Pulled 8:31 pm
 (E) Second Initial Flow 91 Hourly Standby _____ T-Out 10:44 pm
 (F) Second Final Flow 107 Mileage 142 116rt
 (G) Final Shut-In 1092 Sampler _____
 (H) Final Hydrostatic 1833 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1591
 MP/DST Disc't _____

Approved By [Signature] Sub Total 1591 Our Representative [Signature]

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63877

Well Name & No. Valentine-Permelig #1 Test No. 2 Date 24 June 17
 Company Palanino Petroleum Inc. Elevation 2405 KB 2397 GL
 Address 4924 SE 84th Street Newton Kansas 67114+8827
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig 12
 Location: Sec. 7 Twp 15S Rge. 25W Co. Trego State KS

Interval Tested 4258-4351 Zone Tested Mississippi
 Anchor Length 93 Drill Pipe Run 4073 Mud Wt. 9.0
 Top Packer Depth 4253 Drill Collars Run 178.76 Vis 60
 Bottom Packer Depth 4258 Wt. Pipe Run - WL 6.2
 Total Depth 4351 Chlorides 3000 ppm System LCM 277

Blow Description E.F. Blow built to 11 inches
E.S.I. 3/4 inch blow back
F.F. Blow built to 24 inches
F.S.I. 1 inch blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>0.1 cut mud</u>		<u>20</u>		<u>80</u>
<u>139</u>	<u>Cassy Oil</u>	<u>15</u>	<u>85</u>		
<u>355</u>	<u>6 IP</u>	<u>100</u>			

Rec Total 325 BHT _____ Gravity 37 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2167 Test 1150 T-On Location 3:11 am
 (B) First Initial Flow 41 Jars 250 T-Started 6:22 am
 (C) First Final Flow 95 Safety Joint 75 T-Open 8:20 am
 (D) Initial Shut-In 770 Circ Sub _____ T-Pulled 11:30 am
 (E) Second Initial Flow 105 Hourly Standby _____ T-Out 1:38 pm
 (F) Second Final Flow 134 Mileage 142 232 Comments _____
 (G) Final Shut-In 711 Sampler _____ loaded tools 6/25 8:00
 (H) Final Hydrostatic 2088 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1707

Approved By _____ Our Representative [Signature]

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.



Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Valentine-Permelia #1
API: 15-195-23058
Location: Sec. 7-15S-25W (Trego Co)
License Number: 30742
Spud Date: 6/18/18
Surface Coordinates: 94' FSL & 990' FEL
Region: KANSAS
Drilling Completed: 6/25/18

Bottom Hole
Coordinates:
Ground Elevation (ft): 2397
Logged Interval (ft): 3500 To: TD
Formation: MISSISSIPPIAN
Type of Drilling Fluid: Mud-Co Chemical
K.B. Elevation (ft): 2405
Total Depth (ft): 4550

Printed by MudLog from WellSight Systems 1-800-447-1534 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:

6/18/18 MIRU, ran surface casing
6/19/18 Drilling @ 1021'
6/20/18 Drilling @ 2527'
6/21/18 Drilling @ 3280'
6/22/18 Drilling @ 3980', DST #1
6/23/18 Drilling @ 4075'
6/24/18 Tripping out of hole for DST #2
6/25/18 Ran logs, ran 5 1/2" casing

Services

RIG: WW DRILLING, Rig #12

MUD: MUDCO

LOGS: Gemini, CNDL, DIL, ML

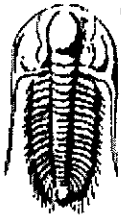
Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing at 219'.

PRODUCTION Casing: Ran 106 jts new 5 1/2", 14# casing 1' off bottom at 4449'.

Formation Tops

Sample Tops		LogTops	
Anhy.	1855 (+550)	Anhy.	1850 (+555)
Base Anhy.	1894 (+511)	Base Anhy.	1888 (+517)
Heebner	3675 (-1270)	Heebner	3676 (-1271)
Lansing	3715 (-1315)	Lansing	3716 (-1311)
BKC	4006 (-1601)	BKC	4005 (-1600)
Marmaton	4020 (-1615)	Marmaton	4024 (-1619)
Pawnee	4149 (-1744)	Pawnee	4149 (-1744)
Ft. Scott	4212 (-1807)	Ft. Scott	4212 (-1807)
Cher. Sh.	4236 (-1831)	Cher. Sh.	4238 (-1833)
Miss.	4309 (-1904)	Miss.	4313 (-1908)
RTD	4450 (-2045)	LTD	4451 (-2046)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
Newton, KS 67114+8827
ATTN: Andrew Stenzel

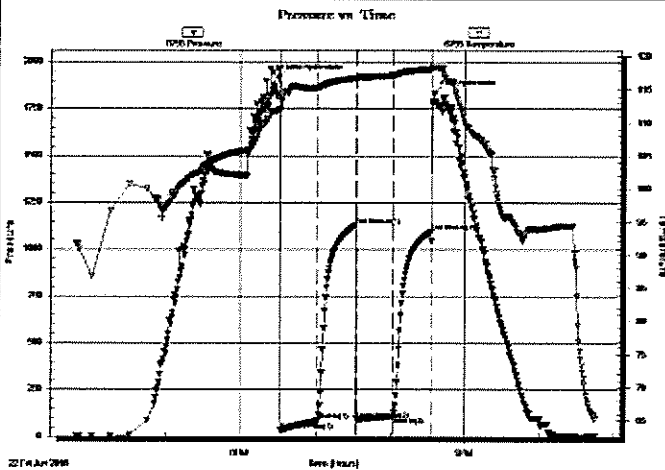
70-15S-25W Trego, KS
Valentine-Permian 1
Job Ticket: 63876 **DST#: 1**
Test Start: 2018.06.22 @ 15:47:00

GENERAL INFORMATION:

Formation: **Lower LKC**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:32:02 Tester: Ken Swinney
 Time Test Ended: 22:45:02 Unit No: 72
 Interval: **3864.00 ft (KB) To 4011.00 ft (KB) (TVD)** Reference Elevations: 2405.00 ft (KB)
 Total Depth: 4011.00 ft (KB) (TVD) 2397.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 107.55 psig @ 3865.00 ft (KB) Capacity: psig
 Start Date: 2018.06.22 End Date: 2018.06.22 Last Callb.: 2018.06.22
 Start Time: 15:47:01 End Time: 22:45:02 Time On Btm: 2018.06.22 @ 18:30:47
 Time Off Btm: 2018.06.22 @ 20:34:47

TEST COMMENT: IFP 30 Minutes Blow built to 11"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Blow built to 10 3/4"
 FSI 30 Minutes 1/4" blow back



PRESSURE SUMMARY

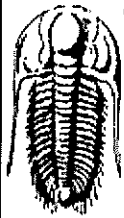
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.51	112.00	Initial Hydro-static
2	32.15	111.89	Open To Flow (1)
32	84.83	115.31	Shut-in(1)
62	1131.36	116.71	End Shut-in(1)
63	91.74	116.74	Open To Flow (2)
92	107.55	117.22	Shut-in(2)
122	1092.75	118.12	End Shut-in(2)
124	1833.15	118.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil cut Mud/ Oil 15% Mud 85%	0.30
92.00	Oil cut Watery Mud/ O 15% W 15% M 70%	0.45
62.00	Clean Oil 100%	0.65
0.00	30 feet of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Inc
4924 SE 84th St
Newton, KS 67114+8827
ATTN: Andrew Stenzel

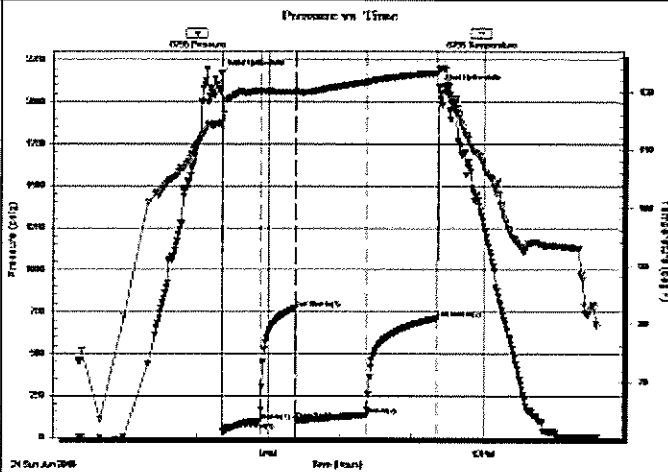
70-15S-25W Trego, KS
Valentine-Permilia 1
Job Ticket: 63877 DST#: 2
Test Start: 2018.06.24 @ 06:22:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 08:21:17 Tester: Ken Swinney
Time Test Ended: 13:36:02 Unit No: 72
Interval: 5258.00 ft (KB) To 4351.00 ft (KB) (TVD) Reference Elevations: 2405.00 ft (KB)
Total Depth: 4351.00 ft (KB) (TVD) 2397.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
Press@RunDepth: 134.35 psig @ 4259.00 ft (KB) Capacity: psig
Start Date: 2018.06.24 End Date: 2018.06.24 Last Callb.: 2018.06.24
Start Time: 06:22:01 End Time: 13:36:02 Time On Btm: 2018.06.24 @ 08:20:32
Time Off Btm: 2018.06.24 @ 11:22:17

TEST COMMENT: IFP 30 Minutes Blow built to 11"
ISI 30 Minutes 3/4" blow back
FFP 60 Minutes Blow built to 24"
FSI 60 Minutes 1" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.47	114.74	Initial Hydro-static
1	41.13	113.64	Open To Flow (1)
32	95.81	120.14	Shut-In(1)
62	770.53	119.99	End Shut-In(1)
63	105.50	120.07	Open To Flow (2)
122	134.35	121.71	Shut-In(2)
181	711.72	123.31	End Shut-In(2)
182	2088.26	123.94	Final Hydro-static

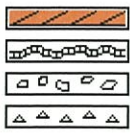
Recovery

Length (ft)	Description	Volume (bbl)
186.00	Oil cut Mud/ O 20% M 80%	0.99
139.00	Gassy Oil/ G 15% O 85%	1.95
0.00	355 feet of GP	0.00

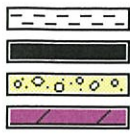
Gas Rates

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

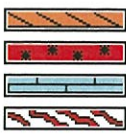
ROCK TYPES



Anhy
Bent
Brec
Cht



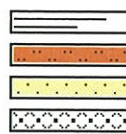
Clyst
Carb shale
Congl
Dol



Gyp
Igne
Lmst
Meta



Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till

ROP

ROP (min/ft)

Misc

Depth

Oil Shows

% Lithology

Geological Descriptions

DST

ROP (min/ft)

10

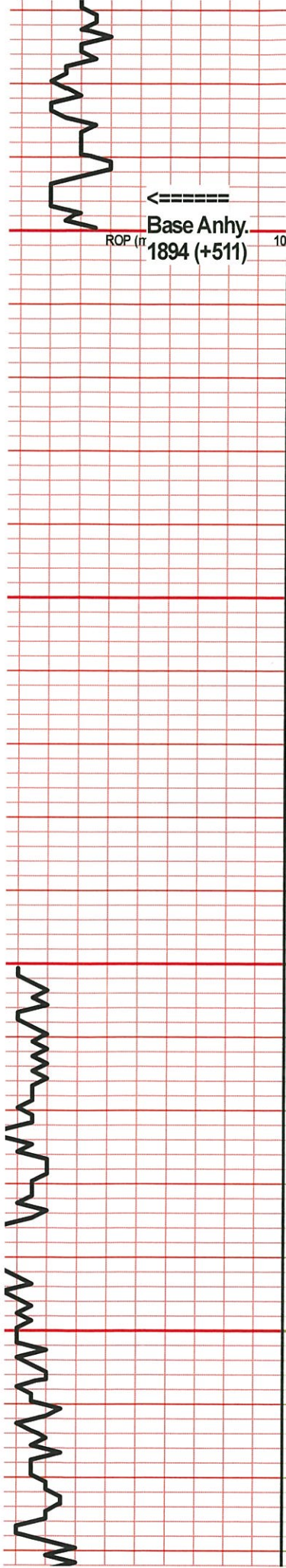
32

3250

3300

3350

←-----
Anhy.
1055 (+ 550)

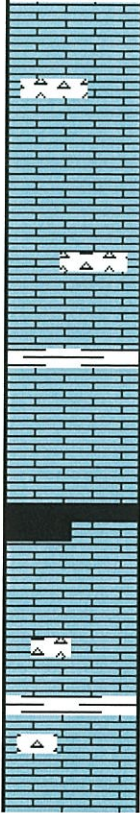


3400

3450

3500

3550

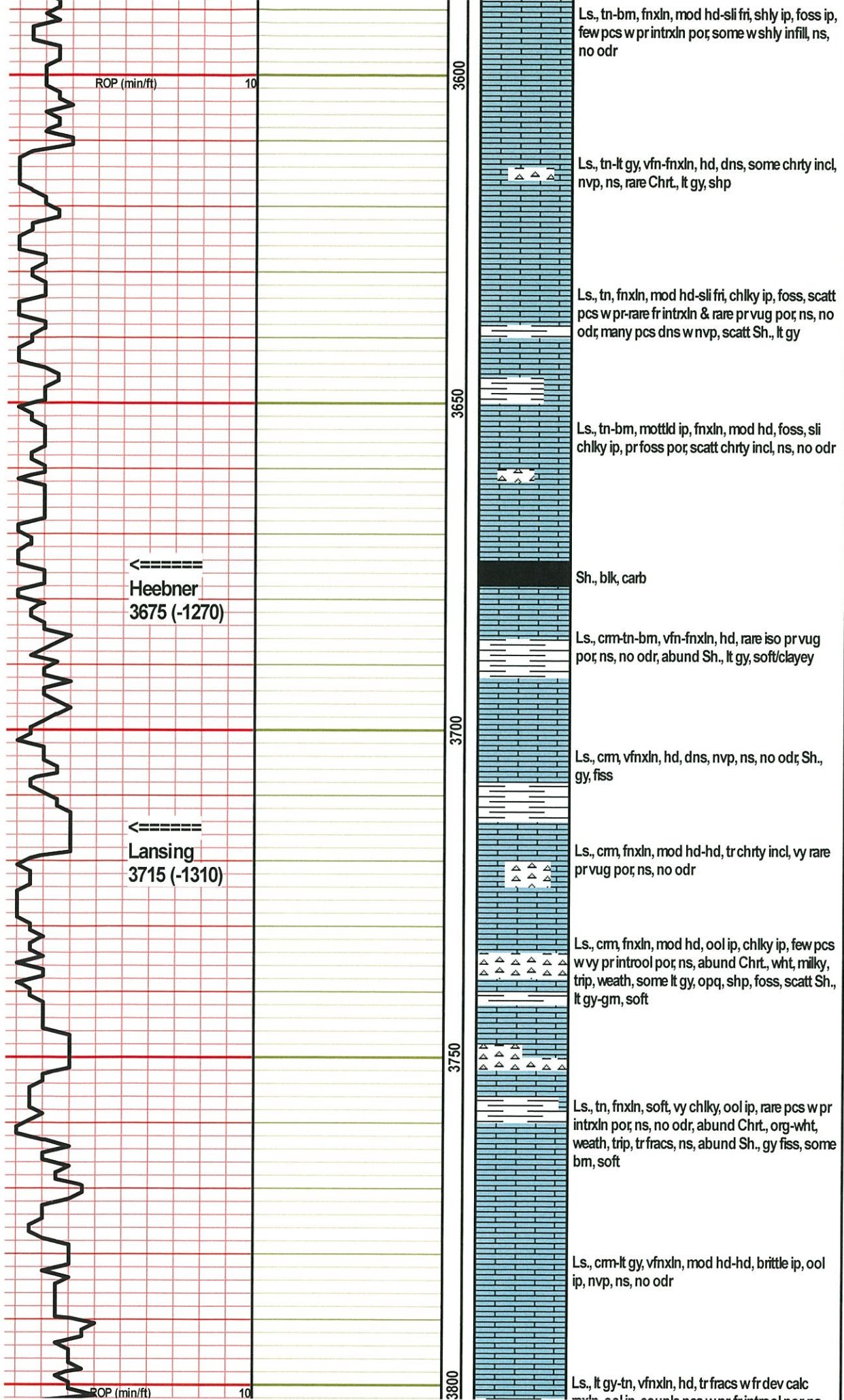


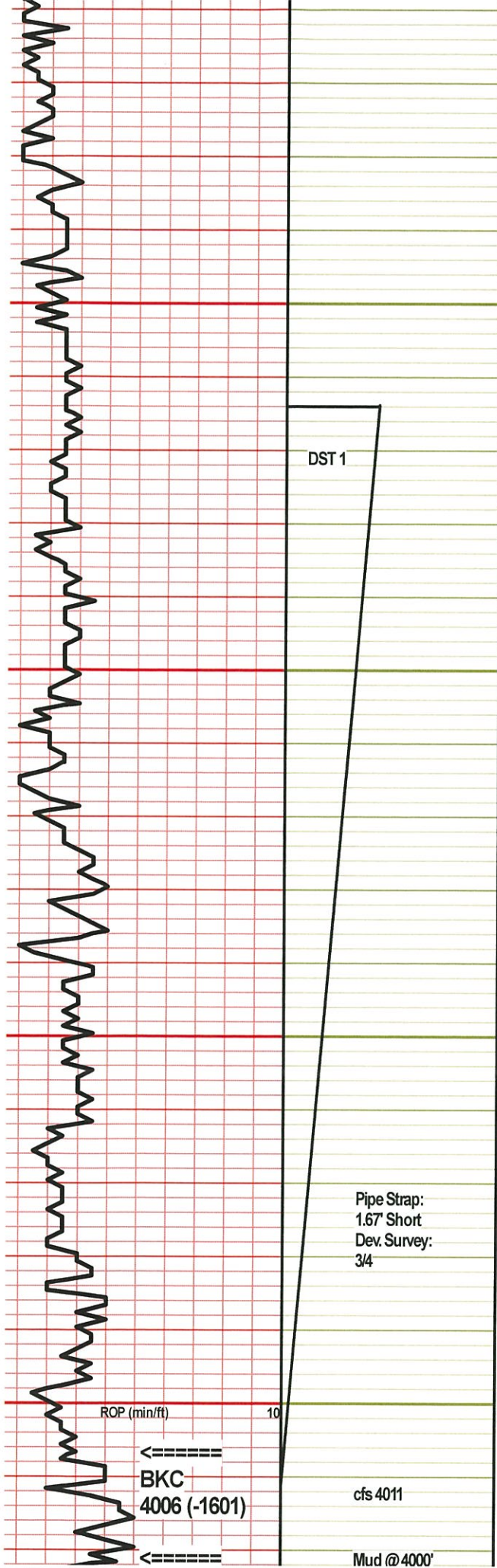
Ls., cm-lt gy, fmxln, mod hd, brittle ip, foss, some chrtly incl, scatt pcs w pr intrxn por, ns, no odr

Ls., tn-cm, fmxln, mod hd, chlky ip, ool ip, dk gy ooids, scatt pcs w pr-fr intrxn & occ pr foss por, ns, no odr, scatt Sh., gy

Ls., tn, fmxln, mod hd, shly ip, foss, pr-fr intrxn & occ foss por, ns, no odr, scatt Sh., blk, carb

Ls., cm-lt gy, vfnxln, hd, foss ip, dns, few chty incl, nvp, ns, scatt Sh., lt gy, silty



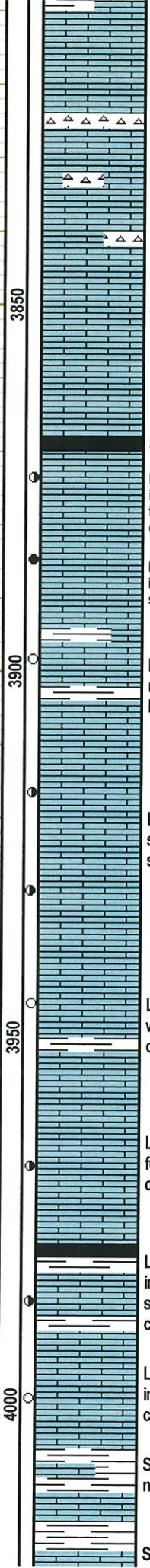


DST 1

Pipe Strap:
1.67' Short
Dev. Survey:
3/4

cfs 4011

Mud @ 4000'



Ls., tn, fnxn, mod hd, ool, pr intrxn & pr-fr ooc por, ns, no odr, abund Chrt., wht-lt org, milky, trip, weath, ns

Ls., tn-lt gy, vfnxn, mod hd-hd, ool ip, few pcs w prooc por, ns, no odr

Sh., blk, carb

Ls., crm-tn-lt gy, fnxn, mod hd, ool, scatt pcs w pr-fr introol por, tr rexln along por, FSFO, dk bm stn in por, fr cup odr, fr odr on brk, dull yel fluoro, brt yel/blue strn cut

Ls., crm-tn, fn-vfnxn, mod hd, foss/ool ip, scatt pcs w fr introol & foss por, occ pr vug por, GSFO, bm spot-sub sat stn, sli show gas, fr cup odr

Ls., cm, vfn-fnxn, mod hd-hd, most dns w nvp, few pcs w pr intrxn & foss por, FSFO, lt bm spot stn, wk cup odr; scatt Sh., gy

Ls., crm-lt gy, fn-vfnxn, sli fri-mod hd, chky ip, scatt pcs w fr intrxn & ppt por, FSFO, sub sat stn, wk cup odr, dull yel fluoro, fr brt yel strn cut

Ls., lt gy-tn, vfnxn, mod hd-hd, ool ip, few pcs w vy pr introol por, SSFO, lt bm spot stn, wk cup odr; scatt Sh., dk gy

Ls., crm-lt gy, fnxn, mod hd, most dns w nvp, few pcs ool w pr-fr introol por, GSFO, sat stn, fr cup odr

Ls., crm-tn, fnxn, mod hd, ool ip, pr-rare fr intrxn & introol por; rare pr ooc por, FSFO, bm sub sat stn, fr cup odr; abund Sh., dk gy-blk, carb ip

Ls., tn-lt gy, vfnxn, mod hd-hd, couple pcs w pr introol & intrxn por, SSFO, lt bm spot stn, fr cup odr

Sh., gy, Ls., lt gy-gy, vfnxn, hd, shly ip, foss, nvp, ns, no odr

Sh., gy-bm, Ls., tn-lt gy, vfnxn, hd, ool ip, silty

DST #1 3864-4011

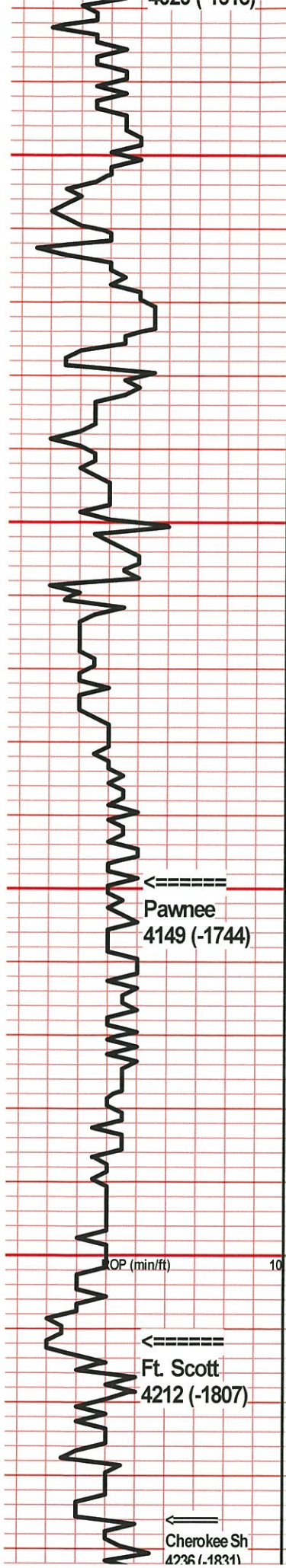
30-30-30
IF: Built to 11"
IS: No blow
FF: Built to 10 3/4"
FS: 1/4" Blow

Recovery:
30' GIP
62' CO (100%O)
62' OCM (15%O, 85%M)
92' OCWM (15%O, 15%W, 70%M)

216' TF

FP: 32-85; 92-108
SIP: 1131-1093
HP: 1917-1833

BHT: 118
Gravity: 31
Chlor: —



Filtrate 6.0
Chlor 3000
LCM 2#

Mud @ 4112'
Wt. 9.0
Vis. 60
Filtrate 6.2
Chlor 3000
LCM 2#

← Pawnee
4149 (-1744)

← Ft. Scott
4212 (-1807)

← Cherokee Sh
4236 (-1831)

4050
4100
4150
4200

Ls., lt gy-cm, fnxn, mod hd-hd, chky ip, shly ip, nvp, ns, abund Sh., bm, soft, some gy, fiss

Sh., gy, Ls., cm-lt gy, fnxn, hd, dns, nvp, ns, no odr

Sh., gy-bm, Ls., cm-tn, fn-vfnxn, mod hd-hd, chky ip, ool/foss ip, one pc w vy pr introol & foss por, FSFO, clr stm oil, no vis stn, no det odr, dull yel fluoro, fr stm cut

Ls., cm-tn, fnxn, mod hd, foss, reef mat, few pcs w vy pr foss por, ns, no odr or fluoro, scatt Sh., aa

Ls., lt gy-cm, vfnxn, hd, dns, tr fracs w rexln, nvp, ns, no odr

Ls., cm-lt gy, vfnxn, hd, shly ip, tr fracs w shly infill, scatt Sh., gy

Sh., gy-dk gy

Ls., tn-lt gy, vfnxn, mod hd-hd, dns, couple pcs w tr rexln, nvp, ns, no odr

Ls., lt gy, vfnxn, hd, dns, nvp, ns, scatt Sh., gy, soft

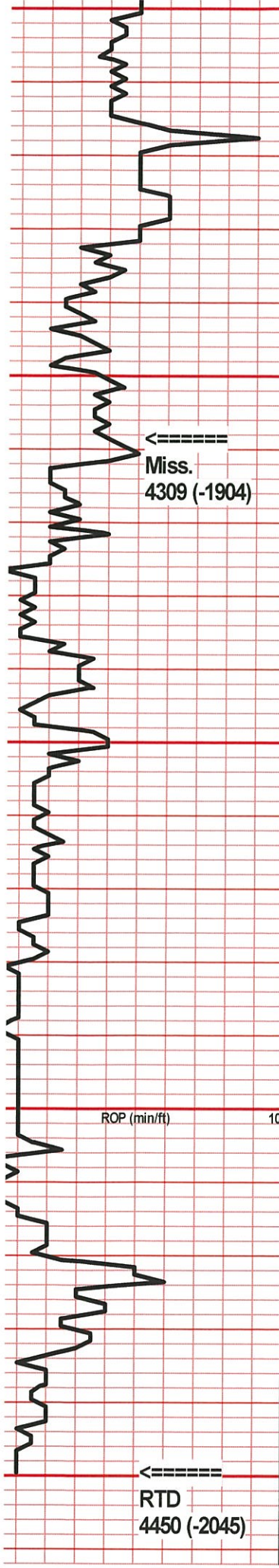
Ls., gy-lt gy, vfnxn, hd, dns, nvp, ns, scatt Sh., aa

Sh., blk, carb

Ls., cm-tn-bm, fnxn, mod hd-hd, foss/ool ip, few pcs w vy pr intrxn & foss por, SSFO, lt bm sub sat stn, wk odr on brk w sli show gas, vy wk cup odr

Ls., cm-tn, fnxn, mod hd-hd, ool ip, most dns w nvp, ns, few pcs w vy pr intrxn & introol por, VSSFO, few clr oil drops, tr lt bm stn, no det odr, scatt Sh., gy

Sh., blk, carb



DST 2

Miss. 4309 (-1904)

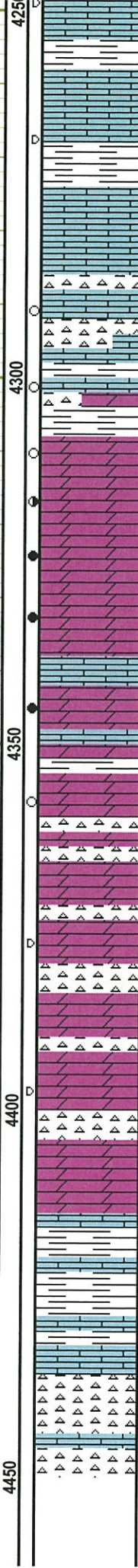
cfs 4351

Mud @ 4351'
 Wt. 9.0
 Vis. 60
 Filtrate 6.4
 Chlor 3500
 LCM 2#

ROP (min/ft) 10

cfs 4450

RTD 4450 (-2045)



vy wk cup odr, scatt Sh., gy-dk gy, fss

Ls., crm-lt gy, vfnxn, mod hd, chlky ip, few pcs w vy pr intrxn por, SSFO, tr lt bm stn, no odr, scatt Sh., gy-lt gm

Ls., crm-lt gy, vfnxn, mod hd, dns, nvp, ns, Chrt., yel-org-purp, pr vug & intrxn por, SSFO, abund blk tar stn, vy wk odr

Ls. & Chrt., aa, scatt Sh., dk gy-gm, scatt Dol., tn, weath, fnxln, hd, tight, vy pr intrxn por, VSSFO, blk stn, no det cup odr

Dol., tn, vfnxn, hd, dns, weath ip, few pcs w vy pr intrxn por, SSFO, blk spot stn, wk cup odr, scatt Sh., gy-gm

Dol., crm, fnxln, mod hd-sli fri ip, chlky ip, pr-fr intrxn & vug por, FSFO, blk sub sat stn, sli show gas, fr cup odr

Dol., tn, fnxln, sli fri-mod hd ip, sucr ip, spic ip, fr sucr & rare gd spic cast & ppt por, GSFO, fr bleed ip, dk brn-lt brn even sat stn, sli show gas, gd cup odr

Dol., crm-tn, fnxln, sli fri, sucr ip, fr-gd intrxn & fr vug por, VGSFO, fr bleed ip, gd even brn sat stn, gd show gas, vy gd cup odr

Ls., crm, fnxln, mod hd, dns, nvp, ns, Dol, crm-tn, fnxln, mod hd-sli fri, few pcs sucr, some dns w no-vy pr intrxn por, rest w fr intrxn & gd vug & spic cast por, F-GSFO, dk brn sub sat-sat stn, gd show gas, vy gd cup odr

Dol., crm, fn-vfnxn, mod hd, firm, chrt, ip, many dns w nvp, scatt pcs w pr intrxn por, FSFO, blk sub sat stn, abund Chrt, wht, opq, fresh, shp, some sli weath, trip, no vis por, NSFO, couple pcs w dk brn edge stn, fr cup odr, scatt Sh., gy, fss

Dol, crm, vfnxn, mod hd, firm, vy few pcs w pr iso vug por, blk res stn, NSFO, scatt Chrt., wht-opq clr, broken/weath ip, no vis por, ns, no det cup odr

Dol & Chrt., aa

Sh., gy-bm, few pcs Ls., tn, fnxln, mod hd, nvp, ns, no odr

Chrt., wht-lt gy, opq, some weath, rest fresh, shp, foss ip, nvp, ns, scatt Ls., aa

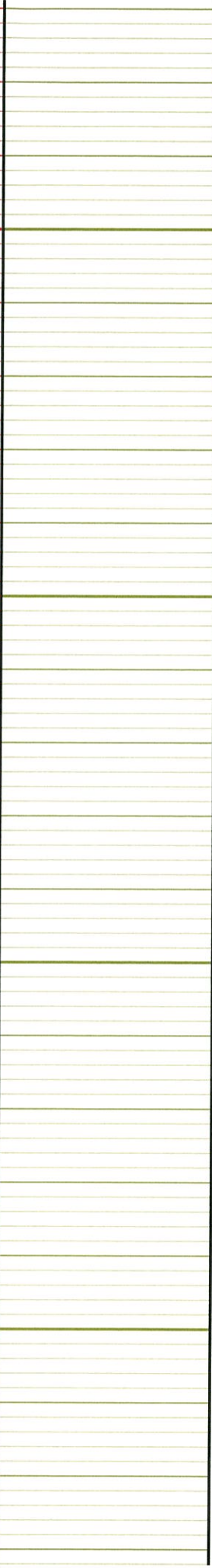
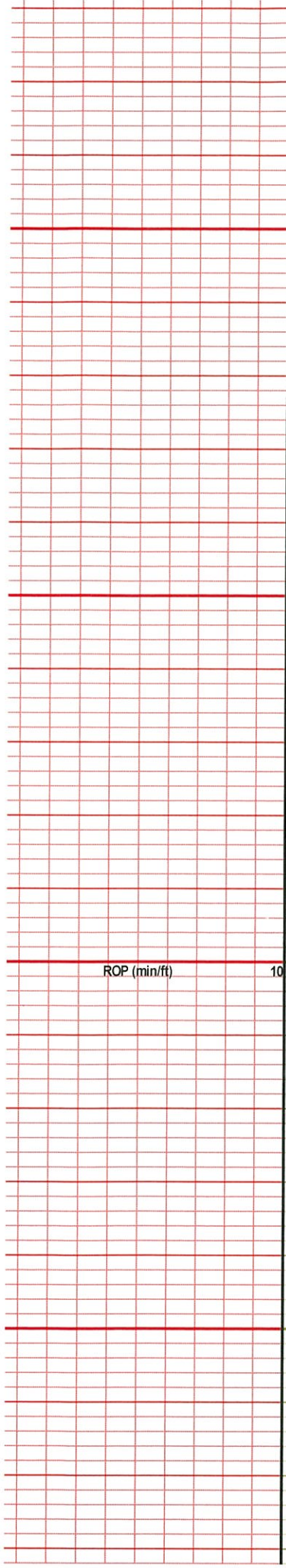
DST #2 4258-4351
 30-30-60-60
 IF: Built to 11"
 IS: Built to 3/4"
 FF: Built to 24"
 FS: Built to 1"

Recovery:
 355' GIP
 139' GO (15%G, 85%O)
 186' OCM (15%O, 85%M)

325' TF

FP: 23-97; 105-134
 SIP: 777-713
 HP: 2170-2082

BHT: 118
 Gravity: 37
 Chlor: —



4500
4550
4600
4650

ROP (min/ft)

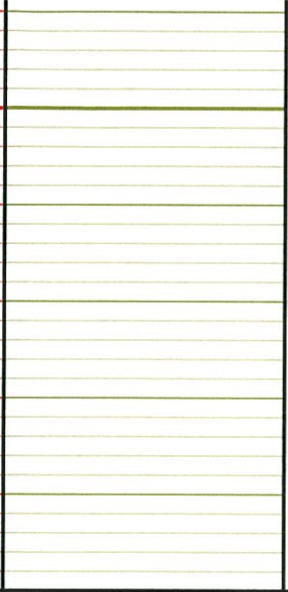
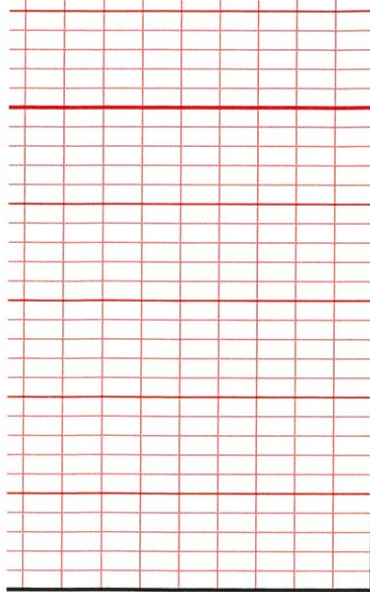
10

4500

4550

4600

4650



50

4700

