

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 Recompletion Date _____ 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
--	---

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
---	---	------------------------------------

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	JOHNSON-BYRD-WHITE UNIT 1
Doc ID	1408209

All Electric Logs Run

Dual Induction
Micro
Litho Density
Dual Receiver Cement

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	JOHNSON-BYRD-WHITE UNIT 1
Doc ID	1408209

Tops

Name	Top	Datum
Anhy.	1858	(+ 729)
Base Anhy.	1896	(+ 691)
Heebner	3909	(-1322)
Lansing	3953	(-1366)
BKC	4270	(-1683)
Marmaton	4311	(-1724)
Pawnee	4390	(-1803)
Ft. Scott	4458	(-1871)
Cherokee Sh.	4480	(-1893)
Miss. Porosity	4555	(-1968)
LTD	4700	(-2113)



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



Invoice

DATE	INVOICE #
3/9/2018	31330

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	Johnson-Byr...	Ness	Express Well	Oil	Development	Cement 5 1/2 Por...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	5.00	150.00
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)	125	Sacks	16.25	2,031.25T
276	Flocele	25	Lb(s)	2.50	62.50T
290	D-Air	1	Gallon(s)	42.00	42.00T
105	Port Collar Tool Rental With Man	1	Each	275.00	275.00T
581D	Service Charge Cement	200	Sacks	1.75	350.00
583D	Drayage	299.25	Ton Miles	0.85	254.36
	Subtotal				4,465.11
	Sales Tax Ness County			6.50%	156.70

We Appreciate Your Business!	Total	\$4,621.81
-------------------------------------	--------------	------------



Services, Inc.

CHARGE TO:

ADDRESS: Plummer Plummer

TICKET 031330

CITY, STATE, ZIP CODE

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City 145</u>	WELL/PROJECT NO. <u>A1</u>	LEASE <u>Johnson, Bryd-White Unit</u>	COUNTY/PARISH <u>Jess</u>	STATE <u>KS</u>	CITY <u>Beeler</u>	DATE <u>3-9-18</u>	OWNER <u>Seane</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Express Well Service</u>	RIG NAME/NO.	SHIPPED <u>CT</u>	DELIVERED TO <u>Beeler</u>	ORDER NO.	WELL LOCATION <u>Beeler - 3s, 2s, Emb</u>	
3. WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Port Collar</u>	WELL PERMIT NO.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. / U/M			UNIT PRICE	AMOUNT	
		LOG	ACCT	DF		QTY.	U/M	QTY.			U/M
575					MILEAGE			30	mi	5.00	150.00
576D					Pump Charge - Port Collar			1	job	1300.00	1300.00
330					SMD Cement			125	bags	16.25	2031.25
276					Flocel			1/4	lb	251.50	62.50
290					D-Air			1	gal	42.00	42.00
105					Port Collar Tool Rental			1	job	275.00	275.00
581					Service Charge Cement					1.75	350.00
583					Drayage			1950	lbs	299.25	11.11

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.

REMIT PAYMENT TO:

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED 3-9-18 TIME SIGNED 1:30 A.M. P.M.

Allen Chamberlind

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?	AGREE	UNDecided	DISAGREE	PAGE TOTAL	TOTAL
					<input type="checkbox"/> YES <input type="checkbox"/> NO				4465.11	4421.81

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

SWIFT OPERATOR: Devon Mucha APPROVAL: _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-4-18	PAGE NO. 1
TICKET NO. 31330	

CUSTOMER Pelamine Petroleum	WELL NO. #1	LEASE Johnson-Burd-White Unit	JOB TYPE Port Collar
--------------------------------	----------------	----------------------------------	-------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							on location 2 3/8" x 5 1/2"
								P.C. - 1840'
	1030	∅	∅			1000		Pressure Test *Hold*
								Open P.C.
	1035	3 1/2						Injection Rate
	1040	3 1/2	69					mix 125 sks SMD 1/4" Fl @ 11.2 ppv circulate cement to Surface *20 sks*
	1100	3 1/2	6 1/2					Displace Cement
	1105	∅	∅			1000		Close P.C. *Test Hold*
		3 1/2						Run 4/3 sks
	1115	3 1/2	20			300		Reverse Clean
								wash up truck *125 sks total* *20 to pit*
	1145							Job Complete

Thank You
Dave Preston Kirby

SWIFT



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



Invoice

DATE	INVOICE #
3/2/2018	31327

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

RECEIVED

MAR 08 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Johnson/Byrd...	Ness	WW Drilling Rig ...	Oil	Development	Cement 5 1/2 Lo...	David K.
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
409-5	5 1/2" Turbolizer				10	Each	85.00	850.00T
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
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
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
582D	Minimum Drayage Charge				1	Each	250.00	250.00
581D	Service Charge Cement				225	Sacks	1.75	393.75
	Subtotal							11,334.00
	Sales Tax Ness County						6.50%	603.87

We Appreciate Your Business!

Total

\$11,937.87



Services, Inc.

CHARGE TO: Plevin Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 031327

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO.	LEASE <u>Johnson - Byrd White Unit</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Baker</u>	DATE <u>3-2-18</u>	OWNER <u>Scanz</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W & W Drilling</u>	RIG NAME/NO. <u># 10</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Lengthening</u>	WELL LOCATION <u>Baker - 35 2g 5/E/20 w/b 3 1/2 miles</u>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M			UNIT PRICE		AMOUNT	
		LOC	ACCT	DF								
575					MILEAGE				20	mi	5.00	100.00
578					Pump Charge - Lengthening				1	job	1300.00	1300.00
409					Turborizer				10	ea	85.00	850.00
403					Cement Bucket				1	ea	275.00	275.00
406					Labh Down Plug + Backfill				1	ea	250.00	250.00
407					Insert Float Shoe w/ Auto Fill				1	ea	325.00	325.00
404					Part Collar				1	ea	2500.00	2500.00
419					Retracting Head Rental				1	job	200.00	200.00

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.

DATE SIGNED 3-2-18 TIME SIGNED 0800 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	5800.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL #2	5534.00
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"/> YES	<input type="checkbox"/> NO		TOTAL	11937.87
<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

CUSTOMER: Johnson-Byrd-White Unit #1
Well: Byrd-White Unit #1

DATE: 3-2-18
PAGE: 2 OF 2

TICKET CONTINUATION

TICKET No. R 31327

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		1				Standard Cement (EA-2)			100	slks	13.00	1300.00
284		1				Cal Seal	5	%	5	slks	35.00	175.00
283		1				Silt	10	%	500	llbs	0.20	100.00
285		1				CFR-1	1/2	%	50	llbs	4.50	225.00
276		1				Flocel	1/4	lb	50	llbs	2.50	125.00
330		1				SPMD Cement			25	slks	16.25	2031.25
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
582		1				Minimum Drayage			1	ea	250.00	250.00
581		1				Service Charge			225		1.75	393.75
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET	TON MILES		

CONTINUATION TOTAL 5534.00

JOB LOG

SWIFT Services, Inc.

DATE 3-2-18 PAGE NO. 1

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE Johnson-Byrd-White Unit JOB TYPE 5 1/2" Longstring TICKET NO. #31327

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							on location 5 1/2" 14"
								RTD- 4700' LTD- 4700'
								TP- 4702' ST- #1 4335'
								P.C. - #68 1840' out- #109 #113 #114 #115
								Turbos- #1 #2 #3 #5 #7 #9 #11 #13 #15 #67
								Bushet - #68
	0330							Start 5 1/2" 14" casing in well
	0530							Drop Ball circulate * Rotate *
	0635	6 1/2	12		✓	300		Pump 500 gal Mud Flush
		6 1/2	20		✓	300		Pump 20 bbl KCl Flush
			11					Plug R-H (30 sks)
	0650	4 1/2	35		✓	200		mix 95 sks SMD @ 12.7 ppg
		4 1/2	24		✓	150		mix 100 sks EA-2 @ 15.5 ppg
								wash out Pump + Lines
								Release Latch Down Plug
	0710	6 1/2	∅		✓	100		Start Displacement - KCl in 1st tank -
		6 1/2	76		✓	300		Lift Pressure
		6 1/2	113		✓	750		Max Lift Pressure
	0730	6 1/2	113.7		✓	1800		Land Latch Down Plug
								Release Pressure * Plug Hold *
								wash up truck
	0800							Job Complete

Thank You
Dave Preston Isaac



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

RECEIVED
FEB 24 2018

Date: 2/22/2018
 Invoice # 659
 P.O.#:
 Due Date: 3/24/2018
 Division: Russell

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 JOHNSON BYRD WHITE UNIT

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 616.83	No				
Common-Class A	130	\$ 1,851.46	Yes				
Calcium Chloride	6	\$ 232.30	Yes				
POZ Mix-Standard	30	\$ 145.19	Yes				
Bulk Truck Matl-Material Service Charge	169	\$ 116.84	No				
Pump Truck Mileage-Job to Nearest Camp	27	\$ 84.00	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 65.33	No				
Premium Gel (Bentonite)	3	\$ 60.15	Yes				

Invoice Terms:

Net 30

	<i>SubTotal:</i>	\$ 3,172.09
	<i>Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (79.30)
		SubTotal for Taxable Items: \$ 2,231.86
		SubTotal for Non-Taxable Items: \$ 860.93
		Total: \$ 3,092.79
		Tax: \$ 145.07
		6.50% Ness County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,237.86
Applied Payments:
Balance Due: \$ 3,237.86

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.

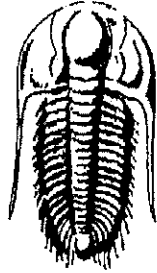
Federal Tax I.D.# 20-2886107

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

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

No. 659

Date <u>2.22.18</u>	Sec. <u>17</u>	Twp. <u>19</u>	Range <u>25</u>	County <u>Ness</u>	State <u>Ks</u>	On Location	Finish <u>10:30 PM</u>
Lease <u>Johnson - Byrd - white unit</u>				Location <u>Beeler - 30 to 100 Rd, 3E to Cattle guard</u>			
Contractor <u>W W 10</u>			Well No. <u>1</u>	Owner <u>3.2 miles to Rig Follow trail</u>			
Type Job <u>Surface</u>			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.				
Hole Size <u>12 1/4"</u>	T.D. <u>218'</u>		Charge To <u>Palamino Petroleum</u>				
Csg. <u>8 5/8"</u>	Depth <u>218'</u>		Street				
Tbg. Size	Depth		City				
Tool		Depth		State			
Cement Left in Csg. <u>15'</u>			Shoe Joint <u>15'</u>		The above was done to satisfaction and supervision of owner agent or contractor.		
Meas Line			Displace <u>12 3/4 BLS</u>		Cement Amount Ordered <u>160 5x 8 1/2 3+2</u>		
EQUIPMENT							
Pumptrk <u>20</u> No.	Cementer <u>Travis</u>	Common <u>130</u>					
Bulktrk <u>9</u> No.	Helper <u>Travis</u>	Poz. Mix <u>30</u>					
Bulktrk <u>p.u.</u> No.	Driver <u>Jordan</u>	Gel. <u>3</u>					
	Driver <u>Rick</u>	Calcium <u>6</u>					
JOB SERVICES & REMARKS							
Remarks: <u>Cement did Circulate.</u>				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
				Sand			
				Handling <u>169</u>			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>27</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>Rick</u>							



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th ST
Newton KS 67114+8827

ATTN: Ryan Seib

7-19S-25W Ness KS

Johnson-Byrd-White Unit #1

Start Date: 2018.02.28 @ 06:01:00

End Date: 2018.02.28 @ 13:34:15

Job Ticket #: 63753 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.03.02 @ 08:20:02

Palomino Petroleum, Inc.

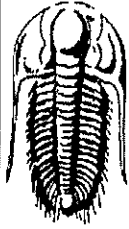
Johnson-Byrd-White Unit #1

7-19S-25W Ness KS

JS1 #1

Mississippi

2018.02.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
 4924 SE 84th ST
 Newton KS 67114+8827
 ATTN: Ryan Seib

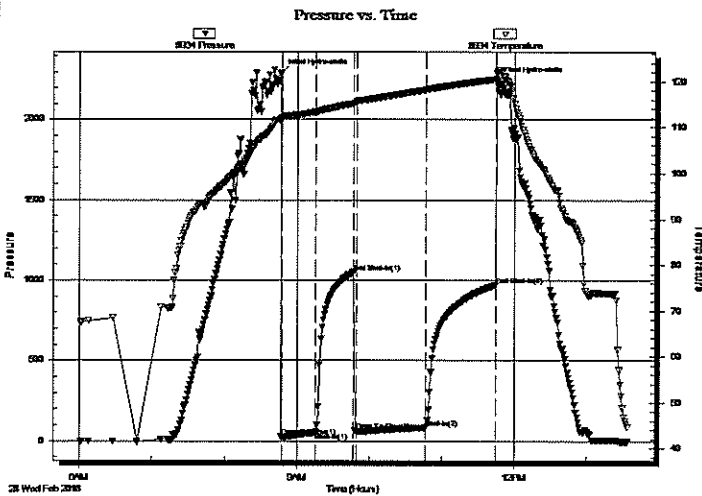
Johnson-Byrd-White Unit #1
7-19S-25W Ness KS
 Job Ticket: 63753 DST#: 1
 Test Start: 2018.02.28 @ 06:01:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:47:30
 Time Test Ended: 13:34:15
 Interval: **4558.00 ft (KB) To 4569.00 ft (KB) (TVD)**
 Total Depth: **4569.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Spencer J. Staab**
 Unit No: **84**
 Reference Elevations: **2587.00 ft (KB)**
2583.00 ft (CF)
 KB to GR/CF: **4.00 ft**

Serial #: 8934 **Outside**
 Press@RunDepth: **83.15 psig @ 4559.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2018.02.28** End Date: **2018.02.28** Last Calib.: **2018.02.28**
 Start Time: **06:01:15** End Time: **13:34:15** Time On Btm: **2018.02.28 @ 08:46:30**
 Time Off Btm: **2018.02.28 @ 11:46:00**

TEST COMMENT: 30-IF-Fair Blow ; BOB in 25 mins
 30-IS-Surface Blow
 60-FF-Fair Blow ; BOB in 30 mins
 60-FSI-Surface Blow



PRESSURE SUMMARY

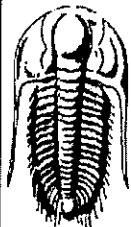
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2287.92	111.93	Initial Hydro-static
1	24.51	112.10	Open To Flow (1)
29	51.06	113.34	Shut-In(1)
60	1050.65	115.19	End Shut-In(1)
63	60.52	115.62	Open To Flow (2)
120	83.15	118.15	Shut-In(2)
179	971.66	120.48	End Shut-In(2)
180	2243.00	122.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GOCM 10%G 20%O 70%M	0.07
200.00	GO 40%G 60%O	1.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

Johnson-Byrd-White Unit #1

4924 SE 84th ST
New ton KS 67114+8827

7-19S-25W Ness KS

Job Ticket: 63753 DST#: 1

ATTN: Ryan Seib

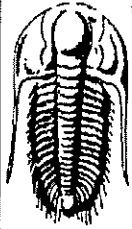
Test Start: 2018.02.28 @ 06:01:00

Tool Information

Drill Pipe:	Length: 4430.00 ft	Diameter: 3.80 inches	Volume: 62.14 bbl	Tool Weight: 2500.00 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 62.74 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4558.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4531.00	
Shut In Tool	5.00			4536.00	
Hydraulic tool	5.00			4541.00	
Jars	5.00			4546.00	
Safety Joint	3.00			4549.00	
Packer	5.00			4554.00	28.00 Bottom Of Top Packer
Packer	4.00			4558.00	
Stubb	1.00			4559.00	
Recorder	0.00	9120	Inside	4559.00	
Recorder	0.00	8934	Outside	4559.00	
Perforations	7.00			4566.00	
Bullnose	3.00			4569.00	11.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.
4924 SE 84th ST
New ton KS 67114+8827
ATTN: Ryan Seib

Johnson-Byrd-White Unit #1
7-19S-25W Ness KS
Job Ticket: 63753 DST#: 1
Test Start: 2018.02.28 @ 06:01:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	GOCM 10%G 20%O 70%M	0.074
200.00	GO 40%G 60%O	1.840

Total Length: 215.00 ft Total Volume: 1.914 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM

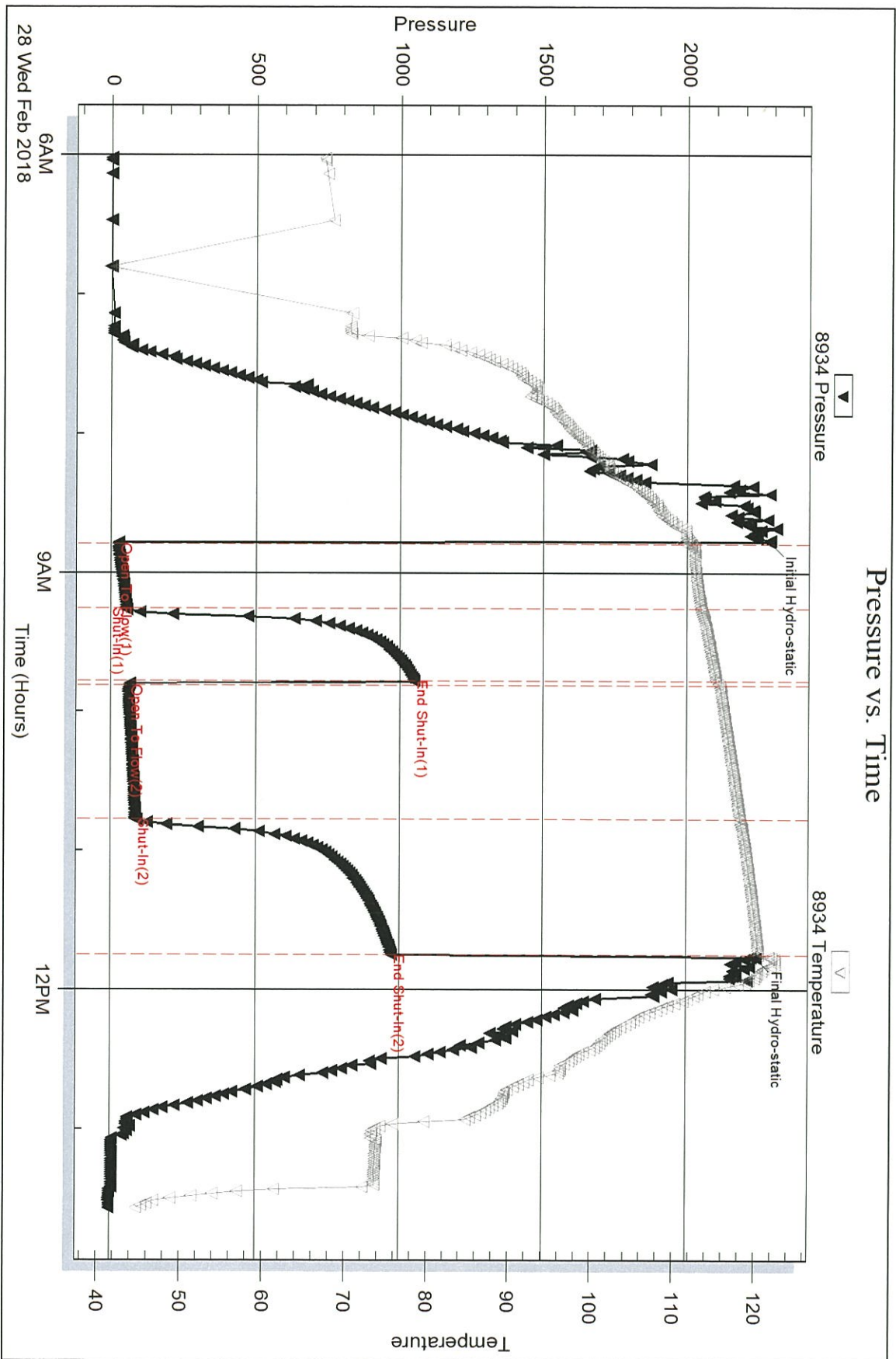
Serial #: 8934

Outside

Palomino Petroleum, Inc.

7-19S-25W Ness KS

DST Test Number: 1



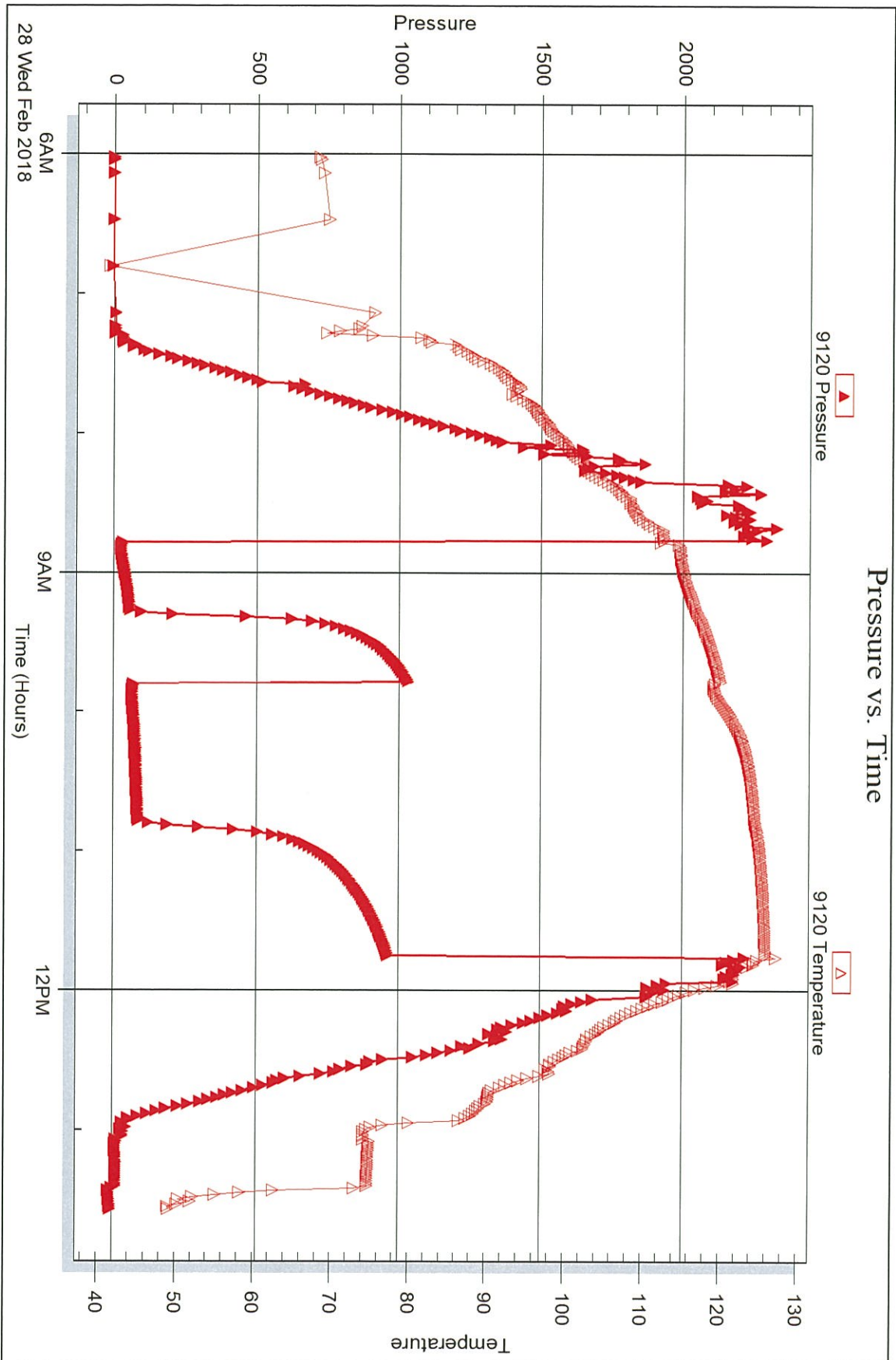
Serial #: 9120

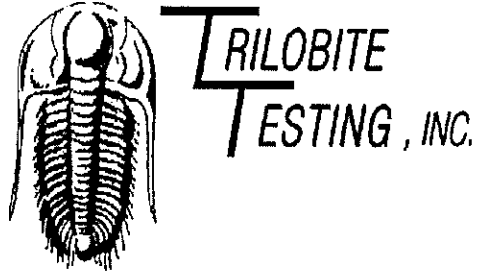
Inside

Palomino Petroleum, Inc.

7-19S-25W Ness KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th ST
Newton KS 67114+8827

ATTN: Ryan Seib

7-19S-25W Ness KS

Johnson-Byrd-White Unit #1

Start Date: 2018.02.28 @ 19:59:00

End Date: 2018.03.01 @ 02:47:00

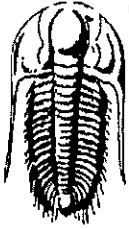
Job Ticket #: 63754 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.03.02 @ 08:17:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
 4924 SE 84th ST
 Newton KS 67114+8827
 ATTN: Ryan Seib

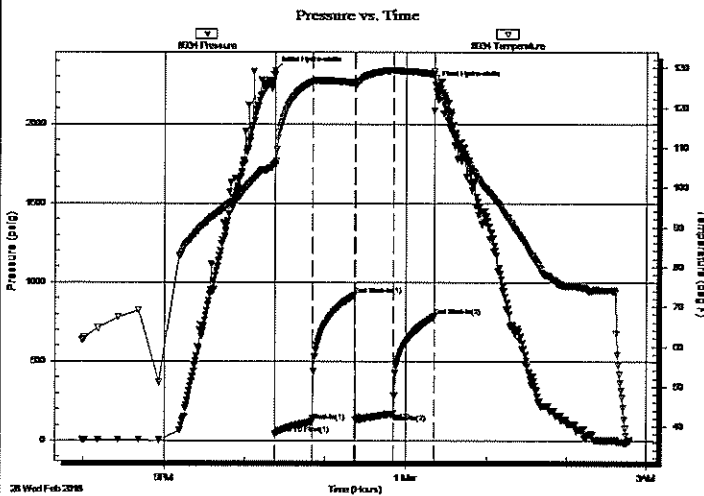
Johnson-Byrd-White Unit #1
7-19S-25W Ness KS
 Job Ticket: 63754 DST#: 2
 Test Start: 2018.02.28 @ 19:59:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:22:45
 Time Test Ended: 02:47:00
 Interval: **4569.00 ft (KB) To 4584.00 ft (KB) (TVD)**
 Total Depth: 4584.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 2587.00 ft (KB)
 2583.00 ft (CF)
 KB to GR/CF: 4.00 ft

Serial #: 8934 **Outside**
 Press@RunDepth: 172.51 psig @ 4570.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.02.28 End Date: 2018.03.01 Last Calib.: 2018.03.01
 Start Time: 19:59:15 End Time: 02:47:00 Time On Btm: 2018.02.28 @ 22:22:30
 Time Off Btm: 2018.03.01 @ 00:21:30

TEST COMMENT: 30-IF-Strong Blow ; BOB in 5 mins
 30-ISI-Weak Blow ; Built to 3&1/2"
 30-FF-Strong Blow ; BOB in 9 mins
 30-FSI-Weak Blow ; Built to 1&1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.69	106.09	Initial Hydro-static
1	40.29	105.59	Open To Flow (1)
28	120.27	126.47	Shut-In(1)
60	919.21	126.17	End Shut-In(1)
60	130.40	125.66	Open To Flow (2)
88	172.51	129.28	Shut-In(2)
118	782.80	128.42	End Shut-In(2)
119	2244.09	127.31	Final Hydro-static

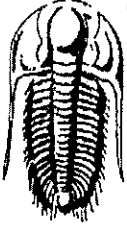
Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM 5%O 95%M	0.32
400.00	GO 40%G 60%O	5.10
0.00	240' GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.
4924 SE 84th ST
New ton KS 67114+8827
ATTN: Ryan Seib

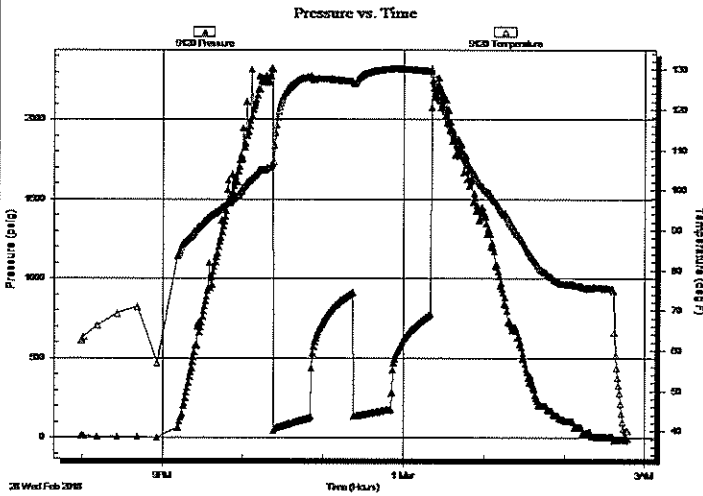
Johnson-Byrd-White Unit #1
7-19S-25W Ness KS
Job Ticket: 63754 DST#: 2
Test Start: 2018.02.28 @ 19:59:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:22:45
Time Test Ended: 02:47:00
Interval: **4569.00 ft (KB) To 4584.00 ft (KB) (TVD)**
Total Depth: 4584.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J. Staab
Unit No: 84
Reference Elevations: 2587.00 ft (KB)
2583.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 9120 Inside
Press@RunDepth: psig @ 4570.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.02.28 End Date: 2018.03.01 Last Calib.: 2018.03.01
Start Time: 19:59:15 End Time: 02:47:00 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Strong Blow ; BOB in 5 mins
30-ISI-Weak Blow ; Built to 3&1/2"
30-FF-Strong Blow ; BOB in 9 mins
30-FSI-Weak Blow ; Built to 1&1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

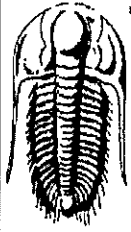
Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM 5%O 95%M	0.32
400.00	GO 40%G 60%O	5.10
0.00	240' GIP 100%G	0.00

* Recovery from multiple tests

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
Newton KS 67114+8827
ATTN: Ryan Seib

Johnson-Byrd-White Unit #1
7-19S-25W Ness KS
Job Ticket: 63754 DST#: 2
Test Start: 2018.02.28 @ 19:59:00

Tool Information

Drill Pipe:	Length: 4430.00 ft	Diameter: 3.80 inches	Volume: 62.14 bbl	Tool Weight: 2500.00 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 62.74 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4569.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			4542.00	
Shut In Tool	5.00			4547.00	
Hydraulic tool	5.00			4552.00	
Jars	5.00			4557.00	
Safety Joint	3.00			4560.00	
Packer	5.00			4565.00	28.00 Bottom Of Top Packer
Packer	4.00			4569.00	
Stubb	1.00			4570.00	
Recorder	0.00	9120	Inside	4570.00	
Recorder	0.00	8934	Outside	4570.00	
Perforations	11.00			4581.00	
Bullnose	3.00			4584.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

Johnson-Byrd-White Unit #1

4924 SE 84th ST
New ton KS 67114+8827

7-19S-25W Ness KS

Job Ticket: 63754 DST#: 2

ATTN: Ryan Seib

Test Start: 2018.02.28 @ 19:59:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SOCM 5%O 95%M	0.320
400.00	GO 40%G 60%O	5.101
0.00	240' GIP 100%G	0.000

Total Length: 465.00 ft Total Volume: 5.421 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

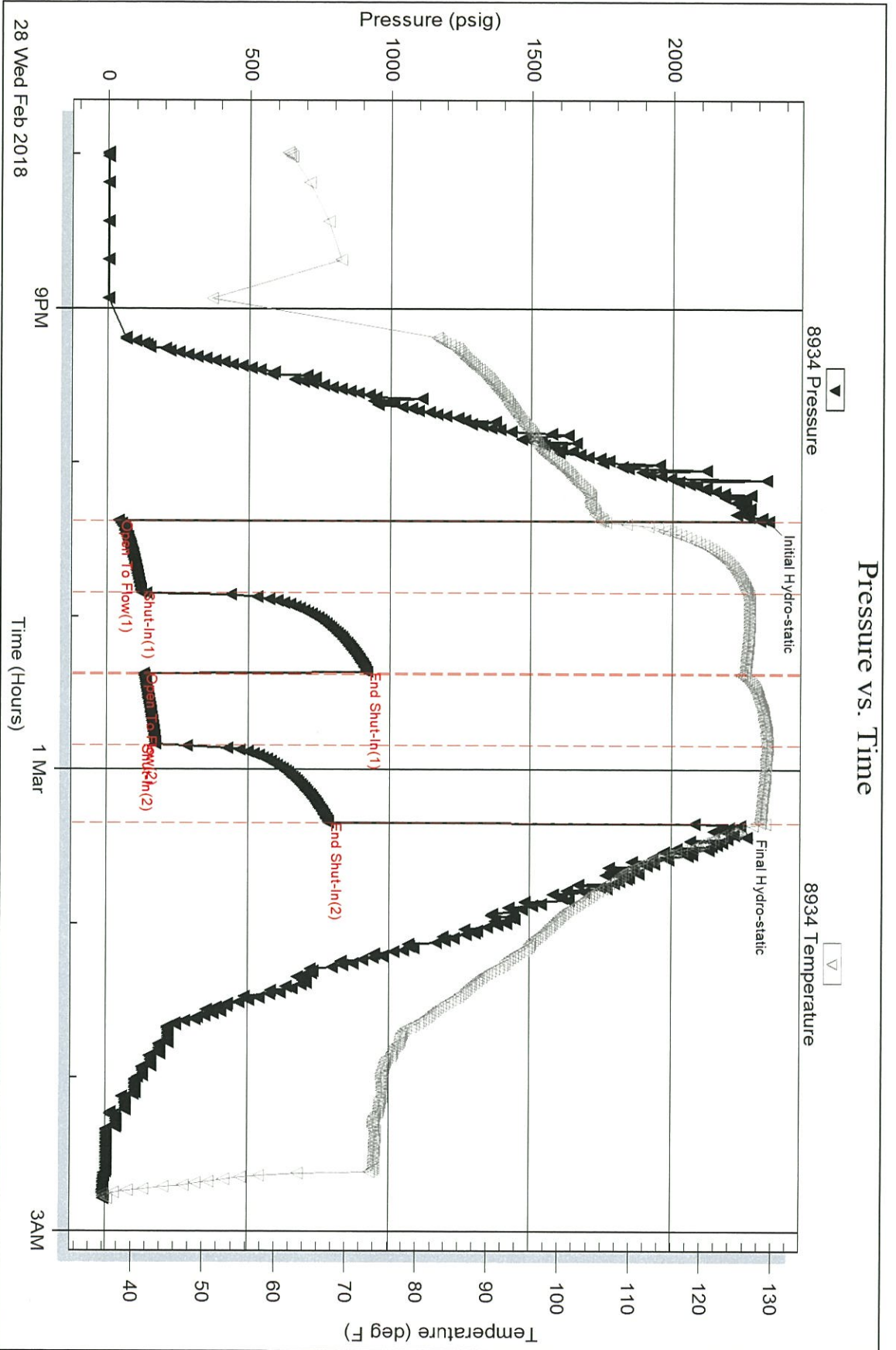
Serial #: 8934

Outside

Palomino Petroleum, Inc.

7-19S-25W Ness KS

DST Test Number: 2



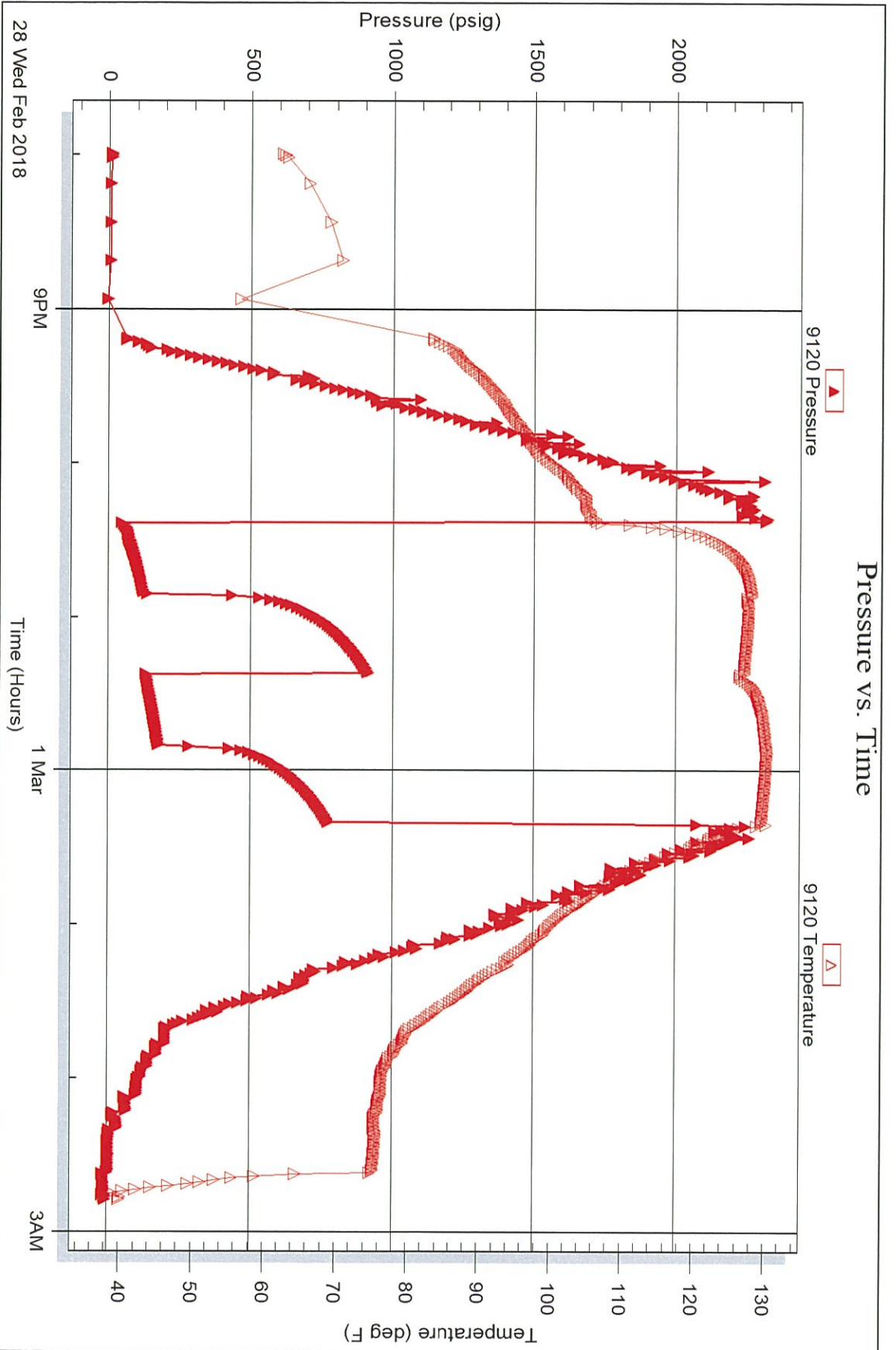
Serial #: 9120

Inside

Palomino Petroleum, Inc.

7-19S-25W Ness KS

DST Test Number: 2



Tribotite Testing, Inc

Ref. No: 63754

Printed: 2018.03.02 @ 08:17:35



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63753

Well Name & No. Johnson - Byrd - White Unit Test No. 1 Date 02/28/2018
 Company Palomina Petroleum Inc. Elevation 2587 KB 2588 GL
 Address 4924 SE 84th ST Newton KS 67114 + 8827
 Co. Rep / Geo. Ryan Seib Rig WW#10
 Location: Sec. 7 Twp 19N Rge. 25W Co. Wes State KS

Interval Tested 4558' - 4569' Zone Tested Mississippi
 Anchor Length 11' Drill Pipe Run 4430' Mud Wt. 9.2
 Top Packer Depth 4553' Drill Collars Run 121' Vis 58
 Bottom Packer Depth 4558' Wt. Pipe Run — WL 6.8
 Total Depth 4569' Chlorides 3,300 ppm System LCM 1#

Blow Description 17 - Fair Blow; BOPB in 25 mins
150 - Weak Surface Blow
77 - Fair Blow; BOPB in 30 mins
78 - Surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>2100CM</u>	<u>10</u>	<u>20</u>	<u>70</u>	
<u>200'</u>	<u>Heavy Oil</u>	<u>40</u>	<u>60</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 215 BHT 120° Gravity 36° API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 2287
- (B) First Initial Flow 24
- (C) First Final Flow 51
- (D) Initial Shut-In 1050
- (E) Second Initial Flow 60
- (F) Second Final Flow 83
- (G) Final Shut-In 971
- (H) Final Hydrostatic 2243

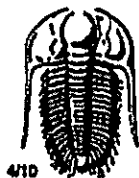
- Test 1150
- Jars 250
- Safety Joint 75
- Ciro Sub
- Hourly Standby
- Mileage 174.27 86rt 86
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1561

T-On Location 05:15
 T-Started 06:01
 T-Open 08:45
 T-Pulled 11:45
 T-Out 13:32
 Comments Stayed @ West
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1561
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Approved By _____ Our Representative Spencer J. Staal Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63754

Well Name & No. Johnson-Byrd-White Unit Test No. 2 Date 02/25/2018
 Company Palomino Petroleum, Inc. Elevation 2587 KB 2582 GL
 Address 4924 SE 84th ST Newton KS 67114+8827
 Co. Rep / Geo. Ryan Seib Rig WW#10
 Location: Sec. 7 Twp 19A Rge. 25W Co. Neos State Ks

Interval Tested 4569 - 4584' Zone Tested Mississippi
 Anchor Length 15' Drill Pipe Run 4430 Mud Wt. 9.2
 Top Packer Depth 4564' Drill Collars Run 121' Vis 58
 Bottom Packer Depth 4569' Wt. Pipe Run - WL 6.8
 Total Depth 4584' Chlorides 3,300 ppm System LCM 1#

Blow Description 17- Strong Blow, BOB in 5 mins
1SD- Weak Blow, Built to 3 1/2"
77- Strong Blow, BOB in 9 mins
7SD- Weak Blow, Built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>65'</u>	<u>SOCM</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u></u>
<u>400'</u>	<u>NO</u>	<u>40</u>	<u>60</u>	<u></u>	<u></u>
<u></u>	<u>240' MDP</u>	<u>100</u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

Rec Total 465' BHT 128° Gravity 36° API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 2339 Test 1150 T-On Location 19:25
 (B) First Initial Flow 40 Jars 250 T-Started 19:59
 (C) First Final Flow 120 Safety Joint 75 T-Open 22:20
 (D) Initial Shut-In 919 Circ Sub T-Pulled 00:20 03/01/2018
 (E) Second Initial Flow 130 Hourly Standby T-Out 02:45
 (F) Second Final Flow 172 Mileage 174 R7x2 172 Comments loaded tools
 (G) Final Shut-In 782 Sampler @ 20:00 03/01/2018
 (H) Final Hydrostatic 2244 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1647
 MP/DST Disc't
 Sub Total 1647

Approved By _____ Our Representative Spencer J. Jacobs Thanks!
 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.

785-259-0056

Palomino Petroleum
 Petroleum Geologist

15 W. Tobacco

Case City, MO 67201

(705) 707-2010

Palomino Petroleum
 Johnson-Byrd-White Unit #7

1900' FNL + 2488' FEL

7 195 AGE 250

Ness KS

W. Drilling Rig #10

2/22/18 3/2/18

4700' 4700'

3600' RTD

3600' RTD

3600' RTD

3700' RTD

3550' Chemical

15-135-25771

Anhydrite	1858 (+729)	1896 (+701)
Heebner	3109 (-1322)	3912 (-1325)
Lansing	3953 (-1366)	3957 (-1370)
BKC	4270 (-1683)	4277 (-1690)
Marmaton	4311 (-1724)	4340 (-1723)
Pawnee	4390 (-1803)	4288 (-1801)
Fb. Scott	4458 (-1871)	4460 (-1873)
Cherokee sh	4480 (-1893)	4482 (-1895)
Mississippian	4555 (-1968)	4557 (-1970)

2587'

2582'

KB

CASING 8 5/8" @

218'

5 1/2"

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr

- 30

- 40

- 50

- 60

- 70

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr

- 80

- 90

3700

- 10

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr

- 20

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr

- 30

- 40

- 50

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr

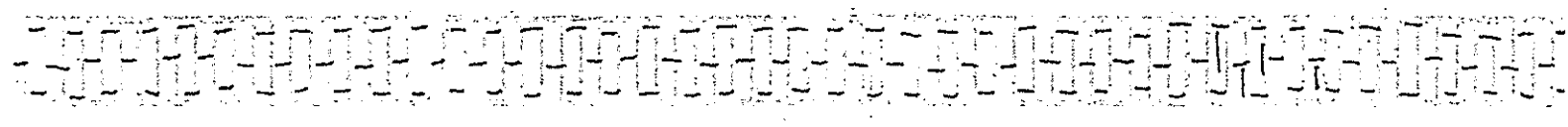
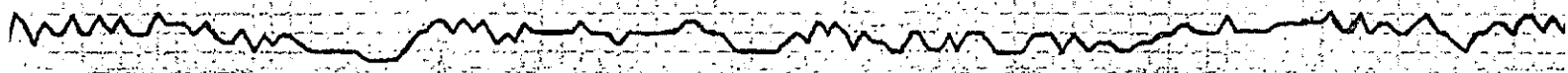
- 60

5.1, 974

- 70

- 80

4.5 cm - 16 gms. to 1 hr, dense /
head, 10 - 15 p.p., 1 hr



70

4x5cm - white, 5x5cm - black, 10x10cm - black

3800

- 10

4x5cm - brown, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 20

- 30

4x5cm - brown, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 40

50

- 60

4x5cm - white, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 70

- 80

4x5cm - black, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 90

3900

Sh., B.K. Carb

- 10

(1335)

4x5cm - black, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 20

- 30

4x5cm - black, 5x5cm - black, 10x10cm - black
Sh., B.K. - 57

- 40

50

Hebner 3912

- 20
- 30
- 40
50
- 60
- 70
- 80
- 90
4200
- 10
- 20
- 30
- 40
50
- 60
- 70
- 80

45 gr - 100% ϕ , n.s. dense

shyry
45 gr - 100% ϕ , n.s. dense/hard,
p-n v.s. ϕ , n.s.

45 gr - 100% ϕ , n.s. dense

shyry
45 gr - 100% ϕ , n.s. dense/hard,
p-n v.s. ϕ , n.s.

45 gr - 100% ϕ , n.s. dense

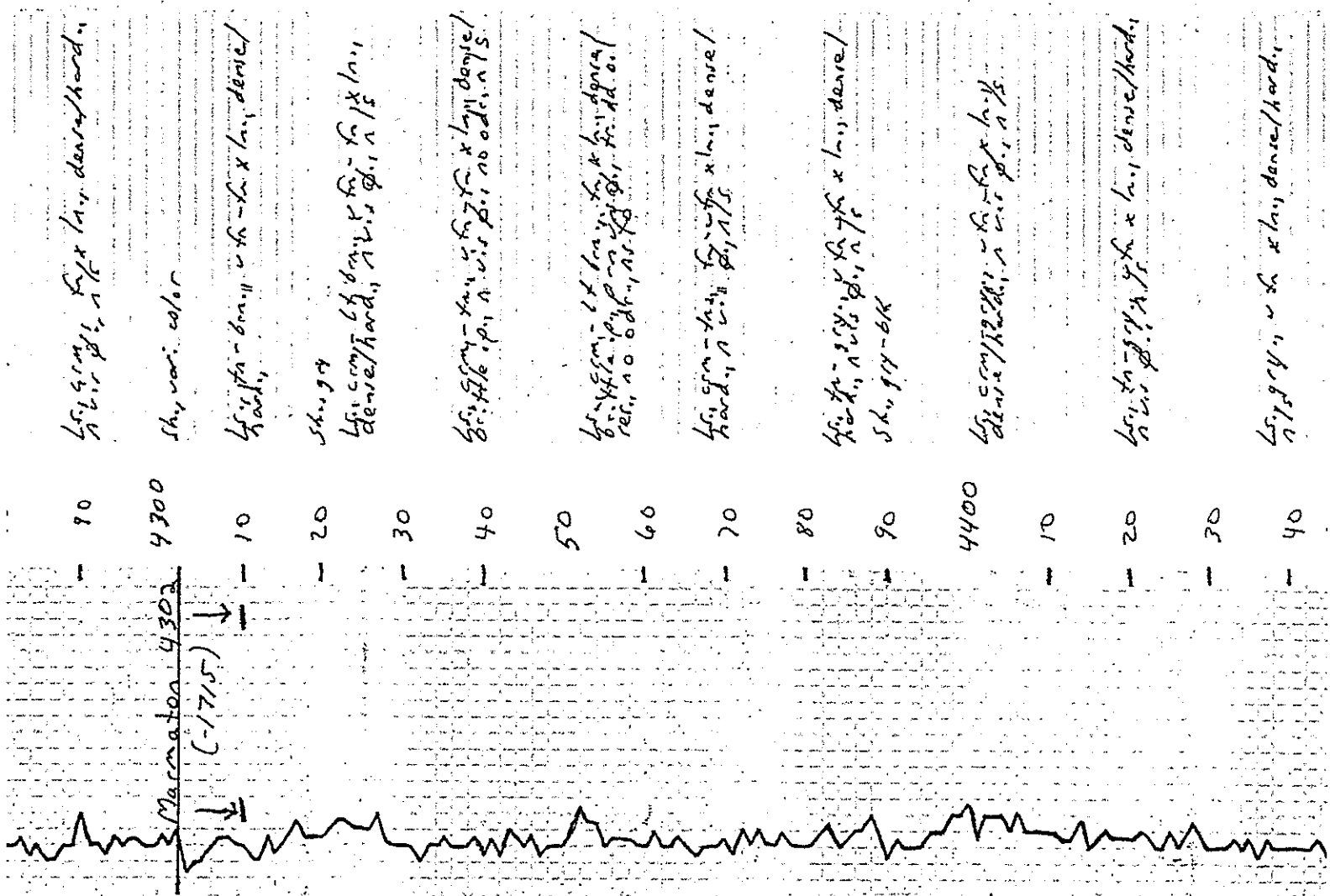
45 gr - 100% ϕ , n.s. dense/
br. sh. ϕ , n.s. ϕ , n.s.

45 gr - 100% ϕ , n.s. dense/hard,
p-n v.s. ϕ , n.s.

45 gr - 100% ϕ , n.s. dense

45 gr - 100% ϕ , n.s. dense/hard,
p-n v.s. ϕ , n.s.
shyry - 61K

A/KC 4273
↓ (-1686) ↓



80
 ls, gms, sh, n/s x ls, dense/hard,
 n/s, n/s

shy, var. color

10
 ls, sh - bn, n/s - sh x ls, dense/
 hard,

20
 sh, gms

ls, com, sh, bn, n/s, sh - ls x ls,
 dense/hard, n/s, n/s

40
 ls, gms - sh, n/s, sh x ls, dense/
 brittle, n/s, n/s, n/s

60
 ls, gms - sh, n/s, sh x ls, dense/
 sh, n/s, n/s, n/s, n/s, n/s

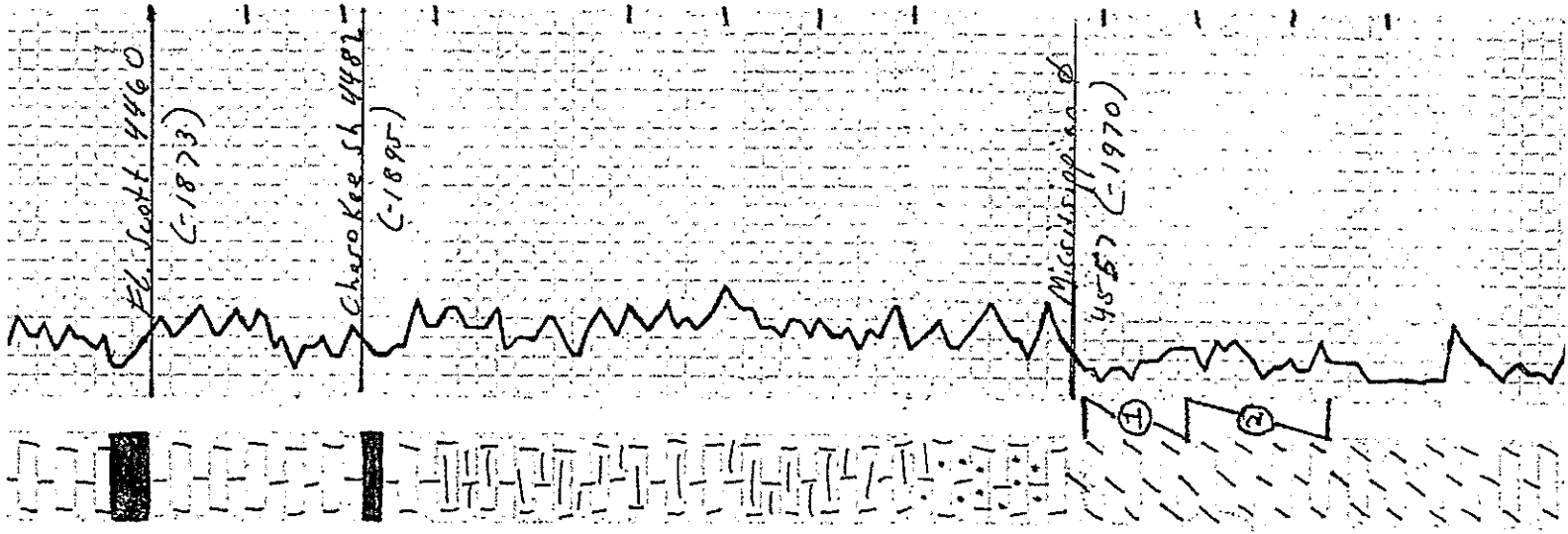
70
 ls, gms - sh, n/s, sh x ls, dense/
 hard, n/s, n/s, n/s

80
 ls, sh - gms, sh, n/s x ls, dense/
 sh, n/s, n/s, n/s

4400
 dense/hard, n/s, n/s, n/s

20
 ls, sh - gms, sh, n/s x ls, dense/hard,
 n/s, n/s

40
 ls, gms, n/s x ls, dense/hard,
 n/s, n/s



light grey-dk grey, v. x h., dense
hard, 1/5
sh., blk carb

light grey-dk brown, v. x h., dense
dense/hard, 1/5, v. x h.,
ool when broken, 9-10 h., f. grey,
v. x h.

light grey-dk brown, v. x h., dense
friable, 1/5, v. x h.,
grey, 1/5, v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h.,
sh., blk carb

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5
sh., v. x h. color

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

sh., AA

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

sh., v. x h., 1/5, v. x h.,
p. v. x h., 1/5, v. x h.,
sh., v. x h.

sh., AA, 1/5, v. x h.,
friable, 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

light grey-dk brown, v. x h., dense/hard,
1/5, v. x h., 1/5, v. x h.,
sh., v. x h.

DST # 1 4558-4569
70-30-60-60
Rec. 2151 TF
IF-B.O.D.-25" ISE-Surface
PF-B.O.D.-30" FSE-Surface
15' 90cm (10%), 2000, 700m
200' 90 (40%), 6000
HP-2287#-2243#
IFP-2455N PFA-604-83#
ISEP-1050FF FSE-971#

DST # 2 4561-4584
70-30-70-30
Rec. 280' 6IP 465' 7F
IF-B.O.D. 5' ISE-3 1/2"
FEED 1.94

65' 50cm (5760, 8570m)
 400' 90 (4070g, 60700)
 HP-2039# 2244#
 IFF-40#-120# PFF-130#-172#
 ISIP-919# FJIA-282#

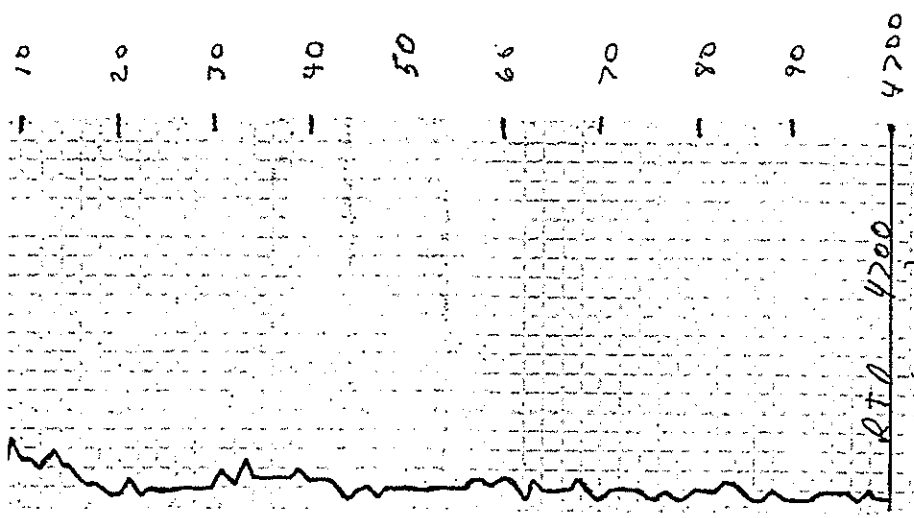
Del. egg - 1st brood, 1st
 downy head, 1st, 1st, 1st

Del. egg - 1st brood, 1st
 downy head, 1st, 1st, 1st

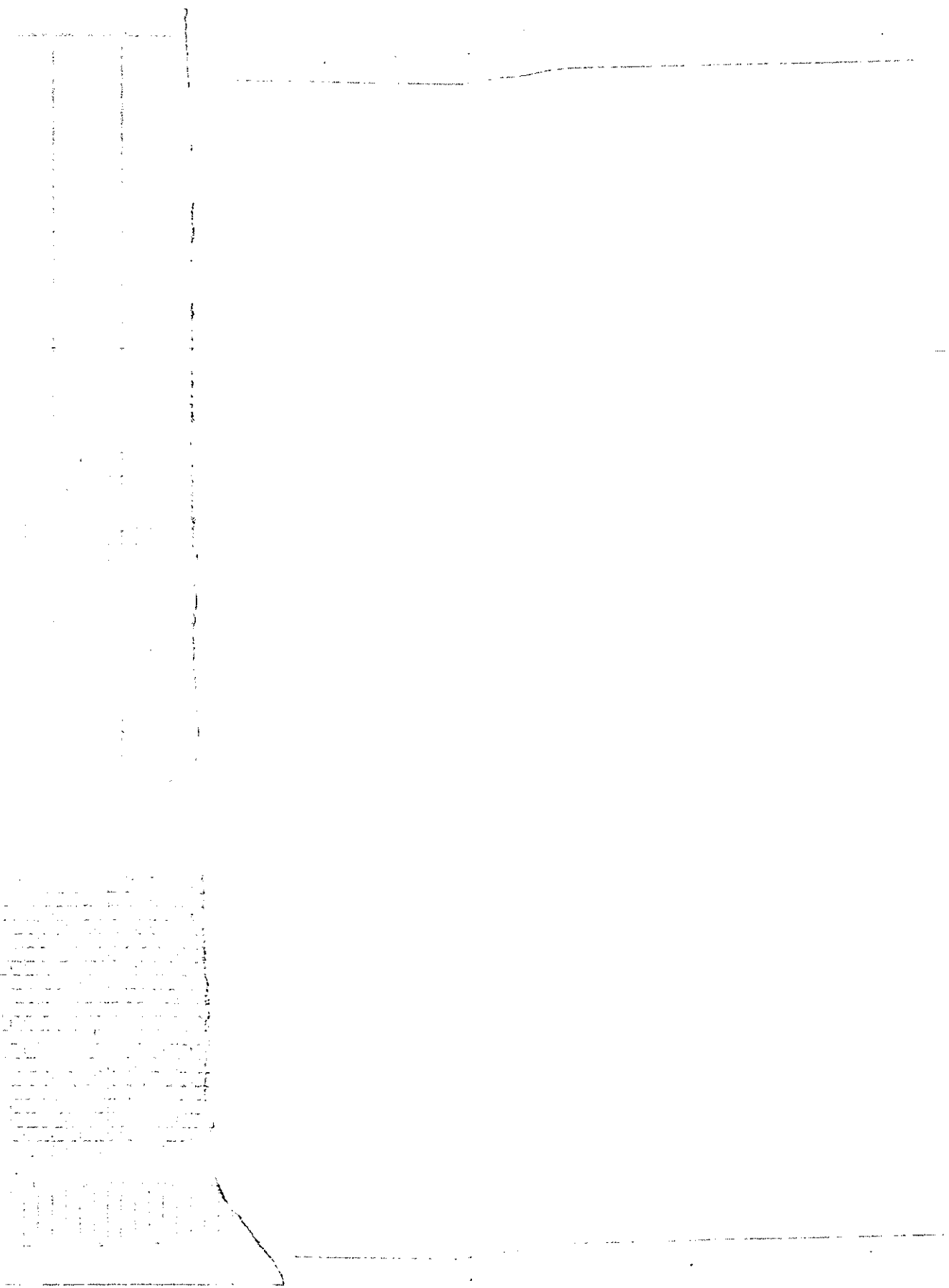
Del. egg - 1st brood, 1st
 downy head, 1st, 1st, 1st

Del. egg - 1st brood, 1st
 downy head, 1st, 1st, 1st

Del. egg - 1st brood, 1st
 downy head, 1st, 1st, 1st



RTD 4700
 (2113)



Johnson-Byrd-White Unit #2

1800' FNL & 2488' FEL

7 195 250

KB

2-12-18
 4200'

218' 8 1/2"
 5 1/2"

3600' RTD
 3400' RTD
 3000' RTD

3550' Chemical
 15-135-25771

- Andy d. C. the 1858 (4729) 1886 (4720)
- Heedness 3109 (61322) 3813 (61325)
- Massing 3953 (61344) 3857 (61370)
- Blk 4270 (61683) 4277 (61640)
- Marmaton 4341 (61724) 4340 (61723)
- Pavnee 4390 (61803) 4288 (61801)
- Fd. Scott 4458 (61871) 4460 (61873)
- Cherokee Sh. 4480 (61893) 4482 (61895)
- Mississippi 4555 (61928) 4557 (61930)