

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. </div>							
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: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i> <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i></p>	<p>PRODUCTION INTERVAL:</p> <p>Top Bottom</p>	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

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

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	RIVERSIDE-CAMBRON 1
Doc ID	1427600

All Electric Logs Run

Radiation Guard
Dual Induction
Micro
Sonic
Compensated Density/Neutron
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	RIVERSIDE-CAMBRON 1
Doc ID	1427600

Tops

Name	Top	Datum
Anhy.	2064	(+ 589)
Base Anhy.	2100	(+ 553)
Heebner	3894	(-1241)
Lansing	3934	(-1281)
Stark Sh.	4179	(-1526)
BKC	4236	(-1583)
Marmaton	4285	(-1632)
Pawnee	4374	(-1721)
Ft. Scott	4434	(-1781)
Cherokee Sh.	4457	(-1804)
Miss.	4535	(-1882)
LTD	4722	(-2069)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	RIVERSIDE-CAMBRON 1
Doc ID	1427600

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.250	8.625	23	854	Common	400	2% gel. 3% c.c.
Production	7.875	5.5	14	4719	SMD/EA-2	195	2% gel. 3% c.c.



REMIT TO

QES Pressure Pumping LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

813923

Invoice Date: 08/22/18

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
NEWTON KS 67114-8827
USA

AUG 25 2018

RIVERSIDE-CAMBRON 1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	35.000	7.1500	30.000	175.18
CE0710	Cement Delivery Charge	1.000	1,098.2100	30.000	768.75
CC5828	Lite-Weight Blend IV (65:35:6), 3% CaCl	250.000	20.0000	30.000	3,500.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	150.000	24.0000	30.000	2,520.00
CC6075	Celloflake	63.000	3.0000	30.000	132.30
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50

Subtotal 11,802.46

Discounted Amount 3,540.74

SubTotal After Discount 8,261.72

Amount Due 12,384.47 If paid after 09/21/18

Tax: 407.41

Total: 8,669.14

PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

$$\begin{array}{r} 11396 \\ \hline 11284 \end{array}$$

TICKET NUMBER 55265
LOCATION Oakland, CA
FOREMAN Miles Shaw

FIELD TICKET & TREATMENT REPORT

CEMENT

Invoice #813723

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-21-18	6285	Riverside-Cambrian #1	19	16 S	26 W	Ness
CUSTOMER						
Palomino Petroleum						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
4924 SE 84th			753	Corey W		
			5281F-127	Ned W		
			703	M. Lee Shaw		
CITY	STATE	ZIP CODE				
Newton	Ks	67114-8827				

JOB TYPE <u>Surf</u>	HOLE SIZE <u>12.25"</u>	HOLE DEPTH <u>854'</u>	CASING SIZE & WEIGHT <u>8 3/4" 23 #</u>
CASING DEPTH <u>853'</u>	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT <u>12.7/14.8</u>	SLURRY VOL <u>184/1.36</u>	WATER gal/sk _____	CEMENT LEFT in CASING <u>30'</u>
DISPLACEMENT <u>526K</u>	DISPLACEMENT PSI <u>500</u>	MIX PSI _____	RATE _____

REMARKS: Safety meeting and Reopen Woodruffes Box #2 Circulate casing
m.a 2805x 4.6 weight blend IV 65/35 per Casing 1 1/4" 38" casing failed in with
Surface blend # Class A cement w/ 32" casing 2805x Shut-down Release plus discharge
52 b/s water shut-in Cement did Circulate 10 b/s to pit

Thanks Miles & crew

[illegible]

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



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

Invoice

DATE	INVOICE #
8/30/2018	31766

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	Riverside-Ca...	Ness	W & W Drilling #2	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-D	Pump Charge - Deep Squeeze (> 1500 Ft.)			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	
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	
290	D-Air			2	Gallon(s)	42.00	84.00T	
221	Liquid KCL (Clayfix)			4	Gallon(s)	25.00	100.00T	
281	Mud Flush			500	Gallon(s)	1.50	750.00T	
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 Ness County					6.50%	609.39
We Appreciate Your Business!						Total	\$12,266.84	



Off: 785-798-2300

TICKET
No. 31766

[illegible]

SWIFT Services, Inc.

DATE _____

8-30-18

PAGE NO.

1

CUSTOMER

Palomino Petroleum

WELL NO.

○ 眞

LEASE

Riverside - Cambrian

108 TYPE	
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JOB TYPE
5 1/2" Lowastrim

TICKET NO.

0 #31766

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							on location 5 1/2" 14"
								RTD - 4720' LTD - 4722' TP - 4721' SJ - #1 43.42' P.C. - #64 2036' out - #83 #104 #115 Turboes - #1 #3 #5 #7 #9 #11 #13 #15 #17 #19 #63 Basket - #64
	1600							Start 5 1/2" 14" casing in well
	1900							Drop Ball Circulate *Rotate*
	2000	6 1/2	12	✓		350		Pump 500 gal Mud Flush
		6 1/2	20	✓		350		Pump 20 bbl KCL Flush
			11					Plug RH - 30 sks
	2015	4 1/2	36	✓		200		mix 95 sks SMD 1/4" Flo @ 12.5 ppg
		4 1/2	24	✓		100		mix 100 sks EA-2 @ 15.5 ppg
								Wash out Pump + Lines Release Latch Down Plug
	2040	6 1/2	Ø	✓		100		Start Displacement - KCL in 1st Tank
		6 1/2	85	✓		250		Lift Pressure
		6 1/2	113	✓		800		Max Lift Pressure
	2100	6 1/2	114	✓		1800		Land Latch Down Plug
								Release Pressure *Plug Hold*
								Wash up truck
	2130							Job Complete
								Thank You Dave Preston Kirby



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



Invoice

DATE	INVOICE #
9/12/2018	31774

BILL TO

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

RECEIVED

SEP 17 2018

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Riverside-Ca...	Ness	Express Well	Oil	Development	Cement 5 1/2 Por...	David K
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
330		Swift Multi-Density Standard (MIDCON II)			175	Sacks	16.25	2,843.75T
276		Flocele			50	Lb(s)	2.50	125.00T
290		D-Air			2	Gallon(s)	42.00	84.00T
105		Port Collar Tool Rental With Man			1	Each	275.00	275.00T
581D		Service Charge Cement			225	Sacks	1.75	393.75
583D		Drayage			447	Ton Miles	0.85	379.95
		Subtotal						5,601.45
		Sales Tax Ness County					6.50%	216.30
We Appreciate Your Business!						Total		
						\$5,817.75		



Services, Inc.

CHARGE TO:

Palomino Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET 031774

PAGE 1 OF 1

SERVICE LOCATIONS

1. Ness City KS

WELL/PROJECT NO. #1

LEASE

Riverside - Carbon

COUNTY/PARISH

2655

STATE

KS

CITY

Utica

DATE

9-12-18

OWNER

Same

2. Ness City KS

TICKET TYPE

CONTRACTOR

Express Well Service

RIG NAME/NO.

SHIPPED

VIA

CT

DELIVERED TO

LOCATION

WELL PERMIT NO.

WELL LOCATION

Utica - 3/4 y. well

3. Ness City KS

WELL TYPE

SALES

Development

WELL CATEGORY

Job PURPOSE

Cement 5 1/2" Port Collar

WELL PERMIT NO.

WELL LOCATION

Utica - 3/4 y. well

4. Ness City KS

WELL TYPE

SALES

Development

WELL CATEGORY

Job PURPOSE

Cement 5 1/2" Port Collar

WELL PERMIT NO.

WELL LOCATION

Utica - 3/4 y. well

REFERRAL LOCATION

INVOICE INSTRUCTIONS

WELL TYPE

SALES

Development

WELL CATEGORY

Job PURPOSE

Cement 5 1/2" Port Collar

WELL PERMIT NO.

WELL LOCATION

Utica - 3/4 y. well

PRICE REFERENCE

SECONDARY REFERENCE/ PART NUMBER

ACCOUNTING

LOC

ACCT

DF

DESCRIPTION

QTY.

U/M

QTY.

U/M

UNIT PRICE

AMOUNT

575

1

MILEAGE

TH # 112

40

1

57

200

110

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

576D

1

Pump Charge - Port Collar

5MP Cement

175

1

175

175

175

175

175

175

175

175

175

175

175

175

175

175

175

330

1

Flare

1/4 lb

50

1

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

276

1

D-Air

2 gal

42

1

42

42

42

42

42

42

42

42

42

42

42

42

42

42

42

290

1

Port Collar Opening Tool Rental

5 1/2 in

1

275

275

275

275

275

275

275

275

275

275

275

275

275

275

275

275

105

1

Port Collar Opening Tool Rental

5 1/2 in

1

275

275

275

275

275

275

275

275

275

275

275

275

275

275

275

275

581

1

Service Charge Cement

225

1

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

583

1

Dragage

225

1

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

581

1

Service Charge Cement

225

1

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

583

1

Dragage

225

1

225

225

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225

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225

225

225

225

225

225

225

225

581

1

Service Charge Cement

225

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225

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225

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225

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225

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225

225

225

225

225

225

583

1

Dragage

225

1

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

225

581

1

Service Charge Cement

225

1

225

225

225

225

225

225

225

225

JOB LOG

SWIFT Services, Inc.

DATE

9-12-18

PAGE NO.

1

CUSTOMER

Palomino Petroleum

WELL NO.

#1

LEASE

Riverside-Cambrian

JOB TYPE

5 1/2" Port Collar

TICKET NO.

#31774

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							on location 2 7/8" 5 1/2"
								P.C. - 2036
	1230	Ø	Ø	✓	✓	1000		Pressure Test *Hold*
								Open P.C.
	1235	3	4	✓		200		Injection Rate
	1240	4	97	✓		200		mix 175 sks SMD 1/4" Flo @ 11.2 ppg circulate cement to surface - *25 sks*
	1300	4	11	✓		400		Displace Cement
	1305	Ø	Ø	✓		1000	1000	Close P.C. Test *Hold*
								Run 4 Jts
	1320	3 1/2	25	✓		300		Reverse Clean
								wash up truck
								175 sks SMD 1/4" Flo Total
								25 sks To Pit
								Job Complete
								Thank You
								Dave Preston Gideon Kirby



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

22

2018

DST #1

Formation:
Toronto/Lans "A&B"

Test Interval: 3914 -
3985'

Total Depth: 3985'

Time On: 11:55 08/22

Time Off: 18:08 08/22

Time On Bottom: 14:00 08/22

Time Off Bottom: 16:00 08/22

Electronic Volume
Estimate:

141'

1st Open

Minutes: 30

Current Reading:

3.5" at 30 min

Max Reading: 3.5"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

2.4" at 30 min

Max Reading: 2.4"

2nd Close

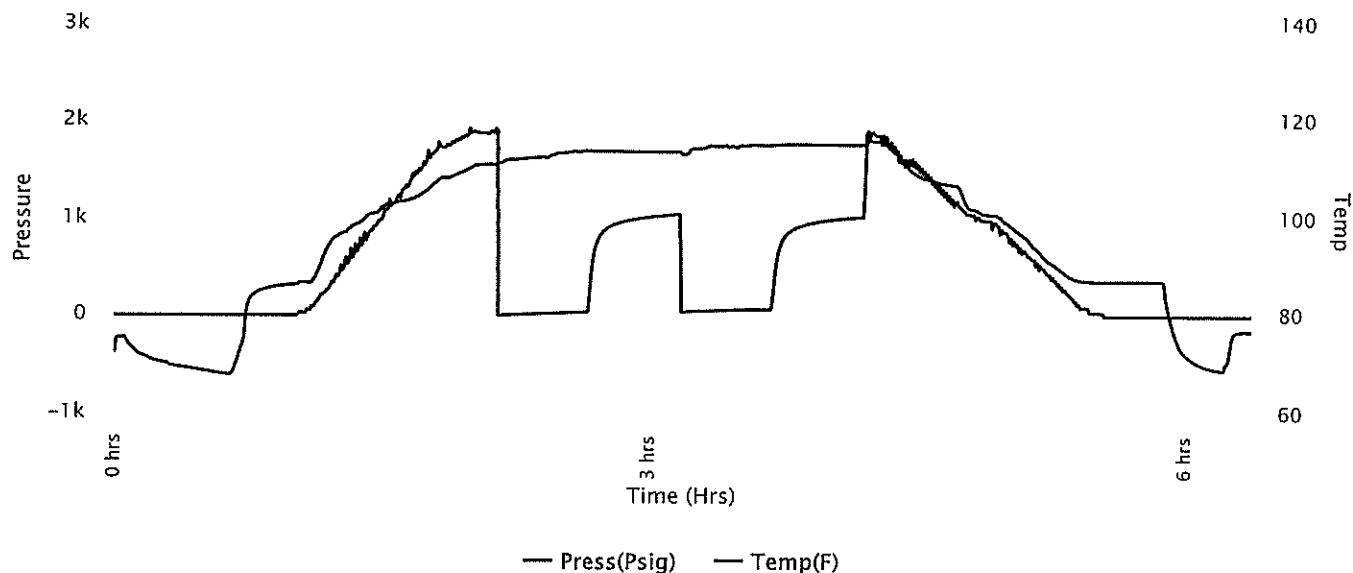
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
 County: GOVE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rlg 10
 Elevation: 2862 GL
 Field Name: Butterfield-Overland
 Pool: Pool Ext
 Job Number: 218

Operation:

Test Complete

DATE

August

22

2018

DST #1

Formation:
Toronto/Lans "A&B"

Test Interval: 3914 -
3985'

Total Depth: 3985'

Time On: 11:55 08/22

Time Off: 18:08 08/22

Time On Bottom: 14:00 08/22

Time Off Bottom: 16:00 08/22

Recovered

Foot

BBLs

125

0.6477712

Description of Fluid

M

Gas %

0

Oil %

0

Water %

0

Mud %

100

Total Recovered: 125 ft

Total Barrels Recovered: 0.6477712

Reversed Out

NO

Recovery at a glance

Initial Hydrostatic Pressure

1882

PSI

0.5

Initial Flow

11 to 46

PSI

BBL

Initial Closed in Pressure

1055

PSI

0.25

Final Flow Pressure

49 to 73

PSI

Final Closed in Pressure

1024

PSI

0

Final Hydrostatic Pressure

1876

PSI

Temperature

116

°F

Pressure Change Initial

2.9

%

Close / Final Close

Recovery

● Gas
0%

● Oil
0%

● Water
0%

● Mud
100%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 T1WN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

22

2018

DST #1

**Formation:
Toronto/Lans "A&B"**

**Test Interval: 3914 - Total Depth: 3985'
3985'**

Time On: 11:55 08/22

Time Off: 18:08 08/22

Time On Bottom: 14:00 08/22 Time Off Bottom: 16:00 08/22

BUCKET MEASUREMENT:

1st Open: Surface blow building to a 3 in. blow.

1st Close: No blow back.

2nd Open: Surface blow building to a 2 in. blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .3% Oil 0% Water 99.7% Mud



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

22

2018

DST #1

Formation:
Toronto/Lans "A&B"

Test Interval: 3914 -
3985'

Total Depth: 3985'

Time On: 11:55 08/22

Time Off: 18:08 08/22

Time On Bottom: 14:00 08/22

Time Off Bottom: 16:00 08/22

Down Hole Makeup

Heads Up: 17.99 FT

Packer 1: 3909.14 FT

Drill Pipe: 3778.08 FT

Packer 2: 3914.14 FT

ID-3 1/2

Top Recorder: 3898.56 FT

Weight Pipe: FT

Bottom Recorder: 3953 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 70.86

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.86 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 33 FT

4 1/2-FH



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:
Test Complete

DATE

August

22

2018

DST #1

Formation:
Toronto/Lans "A&B"

**Test Interval: 3914 -
3985'**

Total Depth: 3985'

Time On: 11:55 08/22

Time Off: 18:08 08/22

Time On Bottom: 14:00 08/22

Time Off Bottom: 16:00 08/22

Mud Properties

Mud Type: Chemical

Weight: 8.8

Viscosity: 57

Filtrate: 6.0

Chlorides: 1,000 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 T1WN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rlg 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #2 Formation: Lans "C" Test Interval: 3982 - 4005' Total Depth: 4005'

Time On: 00:18 08/23

Time Off: 05:25 08/23

Time On Bottom: 01:56 08/23

Time Off Bottom: 03:56 08/23

Electronic Volume Estimate:

49'

1st Open

Minutes: 30

Current Reading:

1.6" at 30 min

Max Reading: 1.6"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

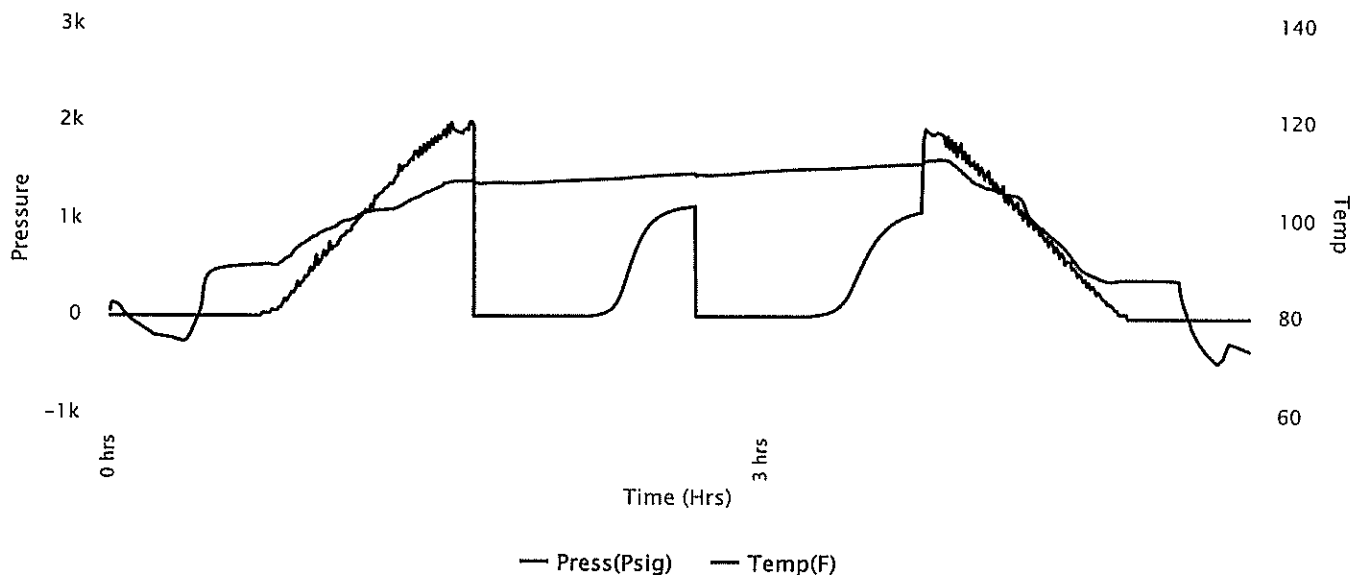
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
 County: GOVE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 10
 Elevation: 2862 GL
 Field Name: Butterfield-Overland
 Pool: Pool Ext
 Job Number: 218

Operation:
 Test Complete

DATE
 August
23
 2018

DST #2 Formation: Lans "C" Test Interval: 3982 - 4005' Total Depth: 4005'

Time On: 00:18 08/23 Time Off: 05:25 08/23
 Time On Bottom: 01:56 08/23 Time Off Bottom: 03:56 08/23

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.0984	SLOCM	0	4	0	96

Total Recovered: 20 ft

Total Barrels Recovered: 0.0984

Reversed Out
 NO

Recovery at a glance

Initial Hydrostatic Pressure	1891	PSI	
Initial Flow	10 to 14	PSI	BBL 0.05
Initial Closed in Pressure	1148	PSI	
Final Flow Pressure	15 to 18	PSI	
Final Closed in Pressure	1090	PSI	0
Final Hydrostatic Pressure	1889	PSI	
Temperature	112	°F	
Pressure Change Initial Close / Final Close	5.0	%	

Recovery

Gas	Oil	Water	Mud
0%	4%	0%	96%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWP: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:
Test Complete

DATE
August
23
2018

DST #2 Formation: Lans "C" Test Interval: 3982 - Total Depth: 4005'
4005'

Time On: 00:18 08/23 Time Off: 05:25 08/23
Time On Bottom: 01:56 08/23 Time Off Bottom: 03:56 08/23

BUCKET MEASUREMENT:

1st Open: Surface blow building to a 1 in. blow.
1st Close: No blow back.
2nd Open: Surface blow.
2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 4% Oil 0% Water 96% Mud



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #2 Formation: Lans "C" Test Interval: 3982 - Total Depth: 4005'
4005'

Time On: 00:18 08/23

Time Off: 05:25 08/23

Time On Bottom: 01:56 08/23

Time Off Bottom: 03:56 08/23

Down Hole Makeup

Heads Up: 13.64 FT

Packer 1: 3977 FT

Drill Pipe: 3841.59 FT

Packer 2: 3982 FT

ID-3 1/2

Top Recorder: 3966.42 FT

Weight Pipe: 0 FT

Bottom Recorder: 3984 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 23

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT

4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT

ID-3 1/2

Change Over: 0 FT

Perforations: (below): 22 FT

4 1/2-FH

**Operation:**

Test Complete

DATE

August

23

2018

**Company: Palomino Petroleum,
Inc.****Lease: Karol Swart #1**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

DST #2 Formation: Lans "C" Test Interval: 3982 - Total Depth: 4005'
4005'

Time On: 00:18 08/23

Time Off: 05:25 08/23

Time On Bottom: 01:56 08/23 Time Off Bottom: 03:56 08/23

Mud Properties**Mud Type:** Chemical**Weight:** 9.1**Viscosity:** 57**Filtrate:** 6.4**Chlorides:** 2,100 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 T4/N: 14S R4G: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #3

Formation: Lans "D-
F"

Test Interval: 4000 -
4074'

Total Depth: 4074'

Time On: 13:25 08/23

Time Off: 18:59 08/23

Time On Bottom: 15:06 08/23

Time Off Bottom: 17:06 08/23

Electronic Volume
Estimate:

25'

1st Open

Minutes: 30

Current Reading:

.8" at 30 min

Max Reading: .8"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

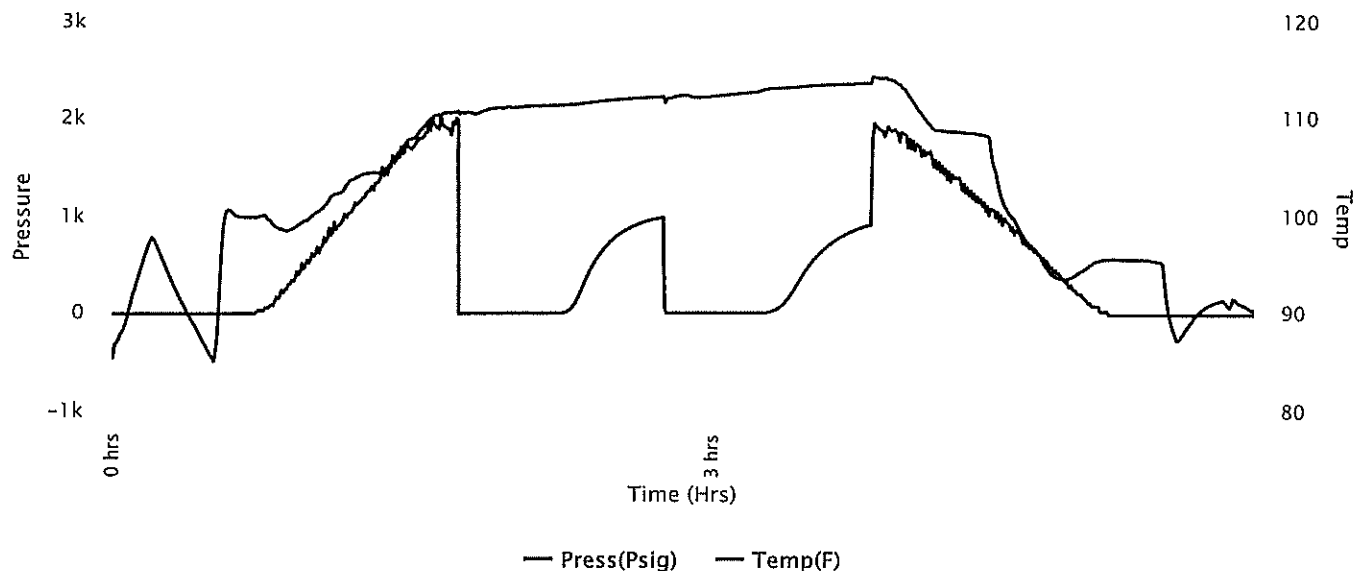
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
 County: GOVE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC -
 Rig 10
 Elevation: 2862 GL
 Field Name: Butterfield-Overland
 Pool: Pool Ext
 Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #3

Formation: Lans "D-F"

Test Interval: 4000 - 4074'

Total Depth: 4074'

Time On: 13:25 08/23

Time Off: 18:59 08/23

Time On Bottom: 15:06 08/23

Time Off Bottom: 17:06 08/23

Recovered

Foot

BBLs

20

0.0984

Description of Fluid

SLOCM

Gas %

0

Oil %

1

Water %

0

Mud %

99

Total Recovered: 20 ft

Total Barrels Recovered: 0.0984

Reversed Out

NO

0.1

Recovery at a glance

Initial Hydrostatic Pressure

1955

PSI

Initial Flow

11 to 19

PSI

BBL 0.05

Initial Closed in Pressure

1006

PSI

Final Flow Pressure

22 to 27

PSI

Final Closed in Pressure

927

PSI

0

Final Hydrostatic Pressure

1948

PSI

Temperature

114

°F

Pressure Change Initial

7.9

%

Close / Final Close

Recovery

● Gas
0%

● Oil
1%

● Water
0%

● Mud
99%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S ,RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #3

**Formation: Lans "D-
F"**

**Test Interval: 4000 -
4074'**

Total Depth: 4074'

Time On: 13:25 08/23

Time Off: 18:59 08/23

Time On Bottom: 15:06 08/23

Time Off Bottom: 17:06 08/23

BUCKET MEASUREMENT:

1st Open: Surface blow building to a 1/4 in. blow.

1st Close: No blow back.

2nd Open: Surface blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S, RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #3

Formation: Lans "D-F"

Test Interval: 4000 - 4074'

Total Depth: 4074'

Time On: 13:25 08/23

Time Off: 18:59 08/23

Time On Bottom: 15:06 08/23

Time Off Bottom: 17:06 08/23

Down Hole Makeup

Heads Up: 27.18 FT

Packer 1: 3995.2 FT

Drill Pipe: 3873.33 FT

Packer 2: 4000.2 FT

ID-3 1/2

Top Recorder: 3984.62 FT

Weight Pipe: 0 FT

Bottom Recorder: 4039 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 73.8

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.80 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 36 FT

4 1/2-FH



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

23

2018

DST #3 Formation: Lans "D-
F" Test Interval: 4000 - Total Depth: 4074'
4074'

Time On: 13:25 08/23

Time Off: 18:59 08/23

Time On Bottom: 15:06 08/23

Time Off Bottom: 17:06 08/23

Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 62

Filtrate: 6.4

Chlorides: 2,600 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 T1WN: 14S R1NG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rlg 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

24

2018

DST #4

Formation: Lans "H-J"

Test Interval: 4110 - 4207'

Total Depth: 4207'

Time On: 08:44 08/24

Time Off: 14:24 08/24

Time On Bottom: 10:31 08/24

Time Off Bottom: 12:31 08/24

Electronic Volume
Estimate:

22'

1st Open

Minutes: 30

Current Reading:

.6" at 30 min

Max Reading: .7"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

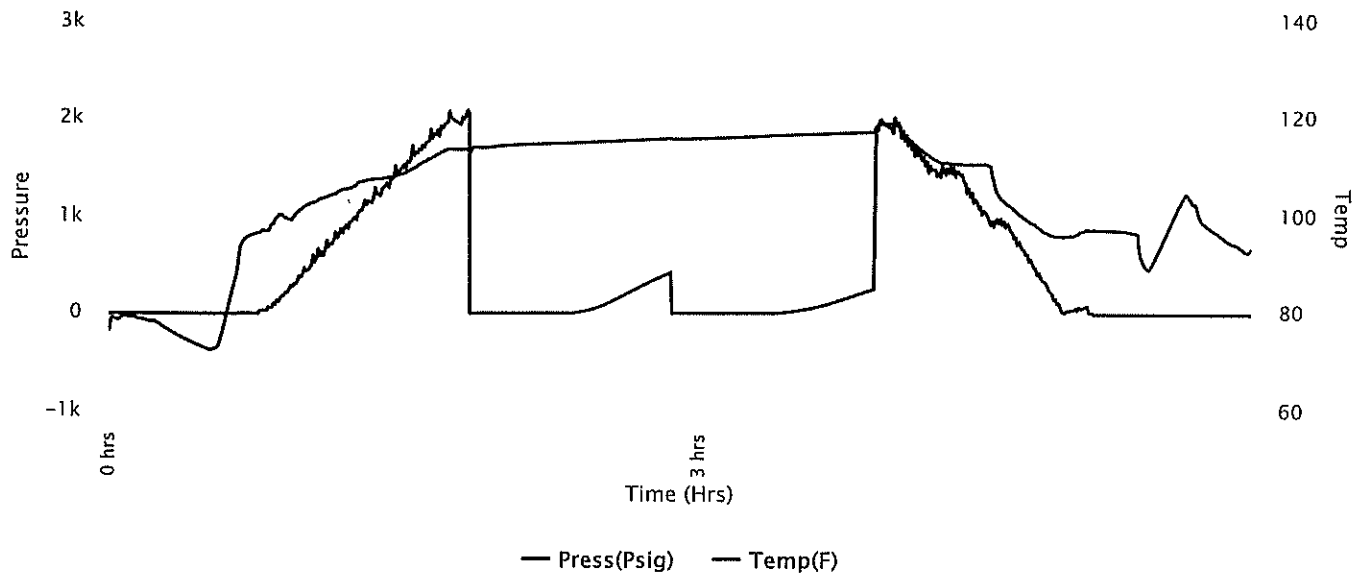
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

24

2018

DST #4 Formation: Lans "H-J" Test Interval: 4110 - 4207' Total Depth: 4207'

Time On: 08:44 08/24

Time Off: 14:24 08/24

Time On Bottom: 10:31 08/24

Time Off Bottom: 12:31 08/24

Recovered

Foot

BBLs

Description of Fluid

Gas %

Oil %

Water %

Mud %

10

0.0492

M (trace oil)

0

.3

0

99.7

Total Recovered: 10 ft

Total Barrels Recovered: 0.0492

Reversed Out

NO

Recovery at a glance

0.05

Initial Hydrostatic Pressure

2007

PSI

Initial Flow

12 to 16

PSI

BBL 0.025

Initial Closed in Pressure

434

PSI

Final Flow Pressure

16 to 19

PSI

Final Closed in Pressure

269

PSI

0

Final Hydrostatic Pressure

1991

PSI

Temperature

118

°F

Pressure Change Initial

37.9

%

Close / Final Close

Recovery

● Gas
0%

● Oil
0.3%

● Water
0%

● Mud
99.7%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

24

2018

DST #4

**Formation: Lans "H-
J"**

**Test Interval: 4110 -
4207'**

Total Depth: 4207'

Time On: 08:44 08/24

Time Off: 14:24 08/24

Time On Bottom: 10:31 08/24

Time Off Bottom: 12:31 08/24

BUCKET MEASUREMENT:

1st Open: Surface blow building to a 1/4 in. blow.

1st Close: No blow back.

2nd Open: No blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .5% Oil 0% Water 99.5% Mud



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

24

2018

DST #4 Formation: Lans "H-
J" Test Interval: 4110 -
4207' Total Depth: 4207'

Time On: 08:44 08/24

Time Off: 14:24 08/24

Time On Bottom: 10:31 08/24

Time Off Bottom: 12:31 08/24

Down Hole Makeup

Heads Up: 13.28 FT

Packer 1: 4104.73 FT

Drill Pipe: 3968.96 FT

Packer 2: 4109.73 FT

ID-3 1/2

Top Recorder: 4094.15 FT

Weight Pipe: 0 FT

Bottom Recorder: 4180 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 97.27

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 63.27 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 28 FT

4 1/2-FH

**Operation:**

Test Complete

DATE

August

24

2018

**Company: Palomino Petroleum,
Inc.****Lease: Karol Swart #1**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

**DST #4 Formation: Lans "H-
J" Test Interval: 4110 - Total Depth: 4207'**
4207'

Time On: 08:44 08/24

Time Off: 14:24 08/24

Time On Bottom: 10:31 08/24 Time Off Bottom: 12:31 08/24

Mud Properties**Mud Type: Chemical****Weight: 9.2****Viscosity: 62****Filtrate: 6.4****Chlorides: 2,600 ppm**



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #5

Formation: Lans
"K&L"

Test Interval: 4200 -
4290'

Total Depth: 4290'

Time On: 00:13 08/25

Time Off: 05:43 08/25

Time On Bottom: 02:03 08/25

Time Off Bottom: 04:03 08/25

Electronic Volume
Estimate:
365'

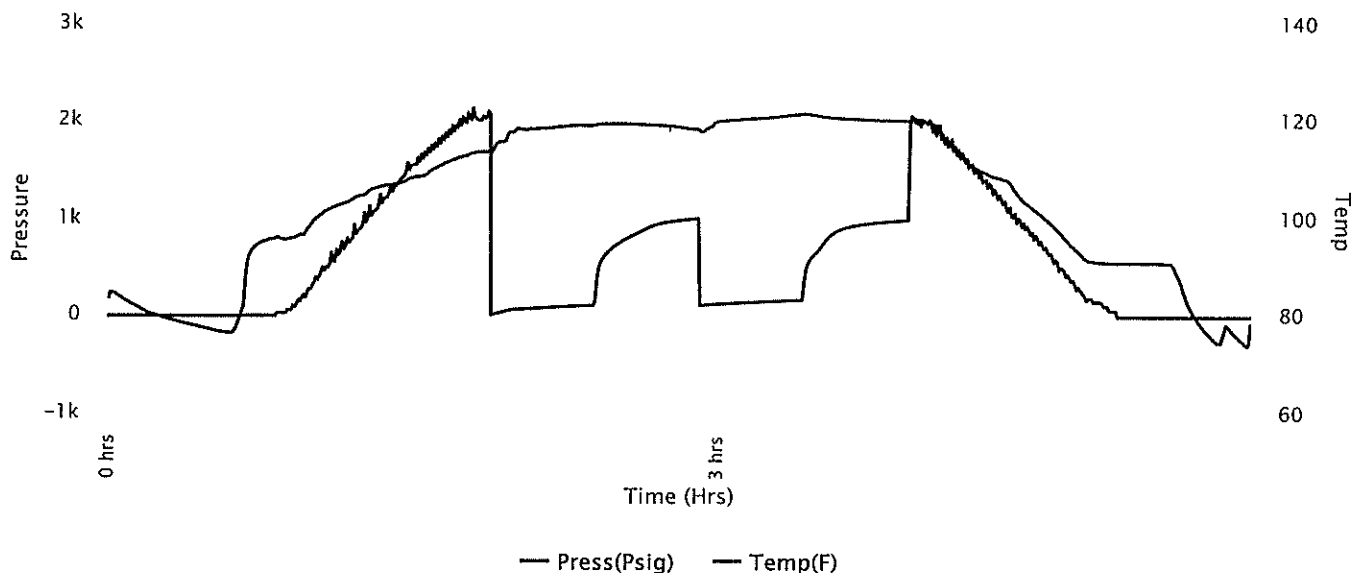
1st Open
Minutes: 30
Current Reading:
14.9" at 30 min
Max Reading: 14.9"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
11.0" at 30 min
Max Reading: 11.0"

2nd Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
 County: GOVE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 10
 Elevation: 2862 GL
 Field Name: Butterfield-Overland
 Pool: Pool Ext
 Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #5

Formation: Lans
"K&L"

Test Interval: 4200 -
4290'

Total Depth: 4290'

Time On: 00:13 08/25

Time Off: 05:43 08/25

Time On Bottom: 02:03 08/25

Time Off Bottom: 04:03 08/25

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
170	2.4191	HWCM (trace oil)	0	.1	39.9	60
65	0.9111712	SLWCM (trace oil)	0	.1	8.9	91
120	0.5904	HMCW	0	0	70	30

Total Recovered: 355 ft

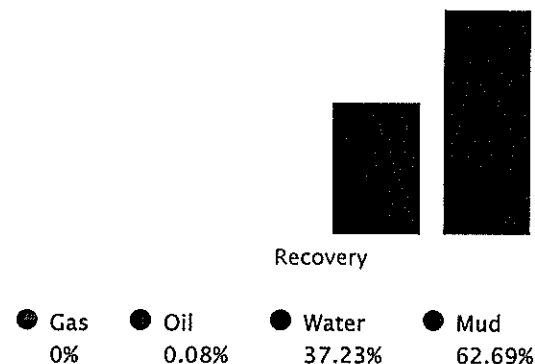
Total Barrels Recovered: 3.9206712

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2039	PSI
Initial Flow	19 to 120	PSI
Initial Closed in Pressure	1011	PSI
Final Flow Pressure	124 to 176	PSI
Final Closed in Pressure	994	PSI
Final Hydrostatic Pressure	2034	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	1.7	%

BBL





**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #5

**Formation: Lans
"K&L"**

**Test Interval: 4200 -
4290'**

Total Depth: 4290'

Time On: 00:13 08/25

Time Off: 05:43 08/25

Time On Bottom: 02:03 08/25

Time Off Bottom: 04:03 08/25

BUCKET MEASUREMENT:

1st Open: 1/2 in. blow building. BOB in 25 mins.

1st Close: No blow back.

2nd Open: Surface blow building to a 10 3/4 in. blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .1% Oil 55.9% Water 44% Mud

Ph: 7.5

Measured RW: .24 @ 86 degrees °F

RW at Formation Temp: 0.173 @ 122 °F

Chlorides: 30,000 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #5

Formation: Lans
"K&L"

Test Interval: 4200 -
4290'

Total Depth: 4290'

Time On: 00:13 08/25

Time Off: 05:43 08/25

Time On Bottom: 02:03 08/25

Time Off Bottom: 04:03 08/25

Down Hole Makeup

Heads Up: 18.68 FT

Packer 1: 4194.73 FT

Drill Pipe: 4064.36 FT
ID-3 1/2

Packer 2: 4199.73 FT

Weight Pipe: 0 FT
ID-2 7/8

Top Recorder: 4184.15 FT

Bottom Recorder: 4270 FT

Collars: 121.48 FT
ID-2 1/4

Well Bore Size: 7 7/8

Surface Choke: 1"

Test Tool: 33.57 FT
ID-3 1/2-FH
Jars
Safety Joint

Bottom Choke: 5/8"

Total Anchor: 90.27

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT
4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 63.27 FT
ID-3 1/2

Change Over: 1 FT

Perforations: (below): 21 FT
4 1/2-FH

**Operation:**

Test Complete

DATE

August

25

2018

**Company: Palomino Petroleum,
Inc.****Lease: Karol Swart #1**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

DST #5**Formation: Lans
"K&L"****Test Interval: 4200 -
4290'****Total Depth: 4290'**

Time On: 00:13 08/25

Time Off: 05:43 08/25

Time On Bottom: 02:03 08/25

Time Off Bottom: 04:03 08/25

Mud Properties**Mud Type:** Chemical**Weight:** 9.4**Viscosity:** 55**Filtrate:** 6.8**Chlorides:** 2,700 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #6

Formation:
Pawnee/Myrick
Station

Test Interval: 4393 -
4458'

Total Depth: 4458'

Time On: 23:32 08/25

Time Off: 05:25 08/26

Time On Bottom: 01:44 08/26

Time Off Bottom: 03:44 08/26

Electronic Volume
Estimate:
47'

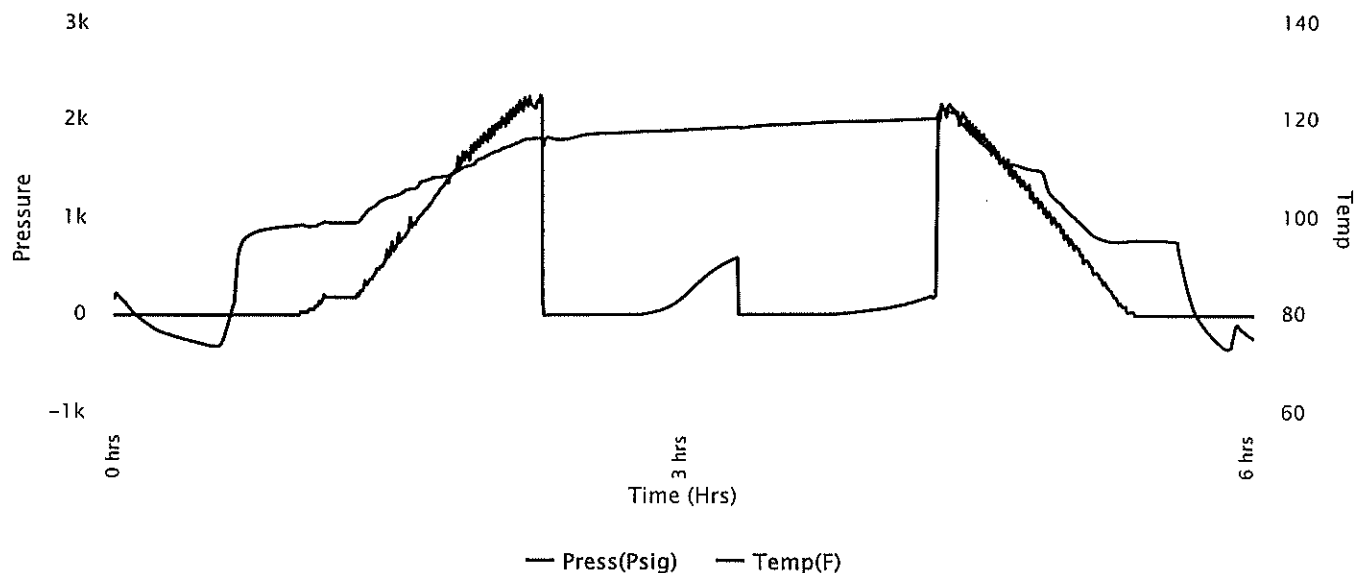
1st Open
Minutes: 30
Current Reading:
1.4" at 30 min
Max Reading: 1.4"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #6

Formation:
Pawnee/Myrick
Station

Test Interval: 4393 -
4458'

Total Depth: 4458'

Time On: 23:32 08/25

Time Off: 05:25 08/26

Time On Bottom: 01:44 08/26 Time Off Bottom: 03:44 08/26

Recovered

Foot

30

BBLs

0.1476

Description of Fluid

M (trace oil)

Gas %

0

Oil %

.3

Water %

0

Mud %

99.7

Total Recovered: 30 ft

Total Barrels Recovered: 0.1476

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2139	PSI	0.1
Initial Flow	12 to 17	PSI	BBL
Initial Closed in Pressure	605	PSI	
Final Flow Pressure	19 to 24	PSI	
Final Closed in Pressure	209	PSI	0
Final Hydrostatic Pressure	2128	PSI	
Temperature	121	°F	

Pressure Change Initial
Close / Final Close

65.4 %

Recovery

● Gas	● Oil	● Water	● Mud
0%	0.3%	0%	99.7%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC. 20 TWIN: 145 KING: 30VV
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #6

**Formation:
Pawnee/Myrick
Station**

**Test Interval: 4393 - Total Depth: 4458'
4458'**

Time On: 23:32 08/25

Time Off: 05:25 08/26

Time On Bottom: 01:44 08/26 Time Off Bottom: 03:44 08/26

BUCKET MEASUREMENT:

1st Open: Surface blow building to a 1 1/4 in. blow.

1st Close: No blow back.

2nd Open: Surface blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas .5% Oil 0% Water 99.5% Mud



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

25

2018

DST #6

Formation:
Pawnee/Myrick
Station

Test Interval: 4393 -
4458' Total Depth: 4458'

Time On: 23:32 08/25

Time Off: 05:25 08/26

Time On Bottom: 01:44 08/26 Time Off Bottom: 03:44 08/26

Down Hole Makeup

Heads Up: 15.59 FT

Packer 1: 4388.31 FT

Drill Pipe: 4254.85 FT

Packer 2: 4393.31 FT

ID-3 1/2

Top Recorder: 4377.73 FT

Weight Pipe: 0 FT

Bottom Recorder: 4432 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 64.69

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.69 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 27 FT

4 1/2-FH

**Operation:**

Test Complete

DATE

August

25

2018

**Company: Palomino Petroleum,
Inc.****Lease: Karol Swart #1**

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

DST #6**Formation:**
Pawnee/Myrick
Station**Test Interval: 4393 -
4458'****Total Depth: 4458'**

Time On: 23:32 08/25

Time Off: 05:25 08/26

Time On Bottom: 01:44 08/26 Time Off Bottom: 03:44 08/26

Mud Properties**Mud Type:** Chemical**Weight:** 9.1**Viscosity:** 60**Filtrate:** 6.4**Chlorides:** 2,900 ppm



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 ,TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

26

2018

DST #7 Formation: Johnson Test Interval: 4447 - 4553' Total Depth: 4553'

Time On: 16:27 08/26

Time Off: 22:41 08/26

Time On Bottom: 18:41 08/26

Time Off Bottom: 20:41 08/26

Electronic Volume
Estimate:

0'

1st Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

1st Close

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open

Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

2nd Close

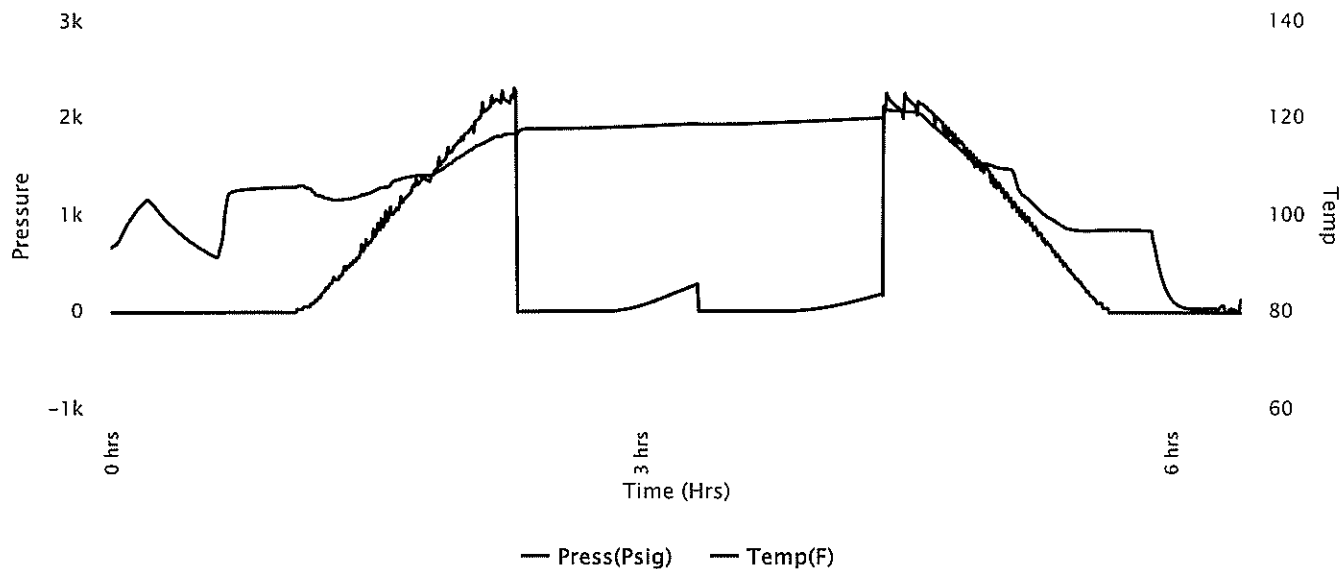
Minutes: 30

Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20, TWN: 14S, RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August
26
2018

DST #7 Formation: Johnson Test Interval: 4447 - 4553' Total Depth: 4553'

Time On: 16:27 08/26 Time Off: 22:41 08/26
Time On Bottom: 18:41 08/26 Time Off Bottom: 20:41 08/26

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M	0	0	0	100

Total Recovered: 5 ft

Total Barrels Recovered: 0.0246

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2224	PSI	0.02
Initial Flow	14 to 17	PSI	0.01
Initial Closed in Pressure	298	PSI	0
Final Flow Pressure	17 to 19	PSI	
Final Closed in Pressure	193	PSI	
Final Hydrostatic Pressure	2222	PSI	
Temperature	121	°F	
Pressure Change Initial Close / Final Close	35.1	%	

BBL

Recovery

● Gas 0% ● Oil 0% ● Water 0% ● Mud 100%



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

26

2018

DST #7 Formation: Johnson Test Interval: 4447 - Total Depth: 4553'
4553'

Time On: 16:27 08/26

Time Off: 22:41 08/26

Time On Bottom: 18:41 08/26 Time Off Bottom: 20:41 08/26

BUCKET MEASUREMENT:

1st Open: Surface blow.

1st Close: No blow back.

2nd Open: No blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Company: Palomino Petroleum, Inc.

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

26

2018

DST #7 Formation: Johnson Test Interval: 4447 - 4553' Total Depth: 4553'

Time On: 16:27 08/26

Time Off: 22:41 08/26

Time On Bottom: 18:41 08/26 Time Off Bottom: 20:41 08/26

Down Hole Makeup

Heads Up: 25.63 FT

Packer 1: 4441.73 FT

Drill Pipe: 4318.31 FT

Packer 2: 4446.73 FT

ID-3 1/2

Top Recorder: 4431.15 FT

Weight Pipe: 0 FT

Bottom Recorder: 4517 FT

ID-2 7/8

Collars: 121.48 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 106.27

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 63.27 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 37 FT

4 1/2-FH



**Company: Palomino Petroleum,
Inc.**

Lease: Karol Swart #1

SEC: 20 TWN: 14S RNG: 30W
County: GOVE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Operation:

Test Complete

DATE

August

26

2018

DST #7

Formation: Johnson

**Test Interval: 4447 -
4553'**

Total Depth: 4553'

Time On: 16:27 08/26

Time Off: 22:41 08/26

Time On Bottom: 18:41 08/26

Time Off Bottom: 20:41 08/26

Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 60+

Filtrate: 7.2

Chlorides: 2,900 ppm

Field Log Field Log Geologist

815 S. Tonaka

Mass 01/18/18 67560

(782) 788-5088

BECKMAN'S HISTORY WELLING THE WELL SAMPLE LOG

LOCATION Palomero Petroleum

LEISE Karol Stuart #1

FIELD

LOCATION 2256' FNL + 1085' FNL

STC 20 TWP 14S RCE 30W

COUNTY Gove STATE KS

WELLER WU Drilling R.g. #10

DATE 8/18/18 8/28/18

4718 4721

3500' TO RTD

3500' RTD

3500' RTD

3400' Chemical

15-063-2233.5

Anhydrite	2327 (-1040)	2339 (-1028)
Heebner	3920 (-1053)	3918 (-1051)
Lansing	3940 (-1093)	3958 (-1091)
Stark	4205 (-1308)	4204 (-1307)
B.K.C.	4280 (-1413)	4282 (-1415)
Darmaton	4307 (-1440)	4305 (-1438)
Paulina	4401 (-1534)	4399 (-1532)
Ft. Scott	4459 (-1592)	4457 (-1590)
Chas. Keasler	4485 (-1618)	4480 (-1613)
Mississippi	4570 (-1707)	4568 (-1701)

ELEVATION

2867'

2862'

Measurements are all

From KB

CASING RECORD

8 5/8" @

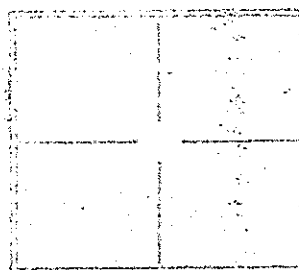
212'

N/A

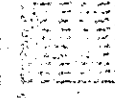
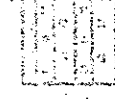
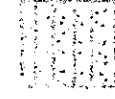
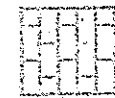
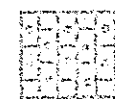
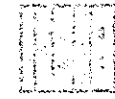
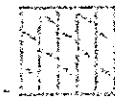
WELL LOG SUMMARY

CND, OIL,

M: CRO



LEGEND



100' = 100'

HF-2224 # 2222-
IPD-14 # IPD-
ISI-298 # ISI-

Sh. 908-611

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The image displays a dense, high-contrast grid pattern, characteristic of a microfilm frame or a heavily textured surface. The grid is composed of numerous small, dark squares arranged in a regular, repeating pattern across the entire frame. The lines forming the grid are thin and dark, creating a stark contrast against the lighter background. The overall appearance is that of a highly detailed, repetitive texture.