

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	KAROL SWART 1
Doc ID	1427594

Tops

Name	Top	Datum
Anhy.	2327	(+ 540)
Base Anhy.	2361	(+ 506)
Heebner	3920	(-1053)
Toronto	3942	(-1075)
Lansing	3960	(-1093)
Muncie Creek	4115	(-1248)
Stark	4205	(-1338)
BKC	4280	(-1413)
Marmaton	4307	(-1440)
Pawnee	4401	(-1534)
Ft. Scott	4459	(-1592)
Cherokee Sh.	4485	(-1618)
Miss.	4570	(-1703)
LTD	4721	(-1854)

AUG 31 2018



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

Date: 8/28/2018
Invoice # 894

P.O.#:
Due Date: 9/27/2018
Division: *Russell*

Invoice

Contact:
Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
Newton Ks 67114

Reference:
KAROL SWART 1 SEC 20-154-13

Description of Work:
PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 641.27	Yes				
Common-Class A	145	\$ 2,146.91	Yes				
POZ Mix-Standard	95	\$ 477.97	Yes				
Premium Gel (Bentonite)	9	\$ 187.59	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 178.97	Yes				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 113.20	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 88.05	Yes				
Flo Seal	60	\$ 86.25	Yes				
Dry Hole Plug	1	\$ 60.38	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,980.58

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (99.51)

SubTotal for Taxable Items: \$ 3,881.07

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,881.07

Tax: \$ 329.89

8.50% Gove County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,210.96

Applied Payments:

Balance Due: \$ 4,210.96

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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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. 894

Date	8-25-18	Sec.	20	Twp.	14	Range	30	County	Leone	State	KS	On Location		Finish	1:00AM
Lease								Karol Sweet				Well No. 1			
Contractor								NW #10				Owner			
Type Job								Rotary Plug				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								T.D. 4718				Charge To			
Csg.								Depth				Palemino			
Tbg. Size								Depth				Street			
Tool								Depth				City			
Cement Left in Csg.								Shoe Joint				State			
Meas Line								Displace				The above was done to satisfaction and supervision of owner agent or contractor.			
EQUIPMENT								Common				145			
Pumptrk 20 No.								Cementor				Poz. Mix			
								Helper				95			
Bulktrk No.								Driver				Gel.			
								DRTT				9			
Bulktrk 14 No.								Driver				Calcium			
								Driver							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole 305K								Flowseal				60#			
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
1st 2350 50SK								Handling				24#			
2nd 1390 100SK								Mileage							
3rd 270 50SK								FLOAT EQUIPMENT							
4th 40 10SK								Guide Shoe				8 5/8 Dry Hole Plug			
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge				plug			
								Mileage				35			
								Tax							
								Discount							
								Total Charge							
X Signature															

Thanks



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# 813973

Invoice Date: 08/29/18

Terms: Net 30

Page 1

RECEIVED
 SEP 01 2018

KAROL SWART #1

PALOMINO PETROLEUM, INC.
 4924 SE 84TH STREET
 NEWTON KS 67114-8827
 USA

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	30.000	805.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	30.000	150.15
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	165.000	24.0000	30.000	2,772.00

Subtotal 5,984.50

Discounted Amount 1,795.35

SubTotal After Discount 4,189.15

Amount Due 6,321.10 If paid after 09/28/18

Tax: 235.62

Total: 4,424.77



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

11413
11330

TICKET NUMBER 55252
LOCATION Oakley, KS
FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-18-18	6285	Karol Smart #1	20	14 ⁹	30 ^W	Goose
CUSTOMER Palomino Petroleum, Inc			ORION SOUTH TO COWE 2 East 44-62			
MAILING ADDRESS 4924 SE 84th Street			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Newton			STATE KS	ZIP CODE 67114-8817	731	Cory Davis
					528-T125	Eric Williams
					697	Walt Dinkel

JOB TYPE Sur Face HOLE SIZE 12 1/4 HOLE DEPTH 217' CASING SIZE & WEIGHT 8 5/8-23#
 CASING DEPTH 219' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety Meeting, rig up on WJ #10, circ casing on bottom
Mix 165 sks com, 3% cc - 7% bel, Displace 12 1/2 BBL H₂O, Shut in
Cement Did Circ
Approx 3 BBL to pit

Thank You
Walt Dinkel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C00471	1	PUMP CHARGE	1,650 ⁰⁰	1,650 ⁰⁰
C00002	30	MILEAGE	7.15	214.50
C00711	7.76	Tow Mileage Delivery	1.75	660 ⁰⁰
17809 CC5871	16.5 sks	Surface Blend II	24 ⁰⁰	3960 ⁰⁰
				5,981 ⁵⁰
			Less 30% Disc	1,795 ³⁵
				4,186 ¹⁵
			8.5%	SALES TAX 235.62
				ESTIMATED TOTAL \$4,421.77

SCANNED

RAVIN 3737 AUTHORIZATION Air Hlu 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.



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

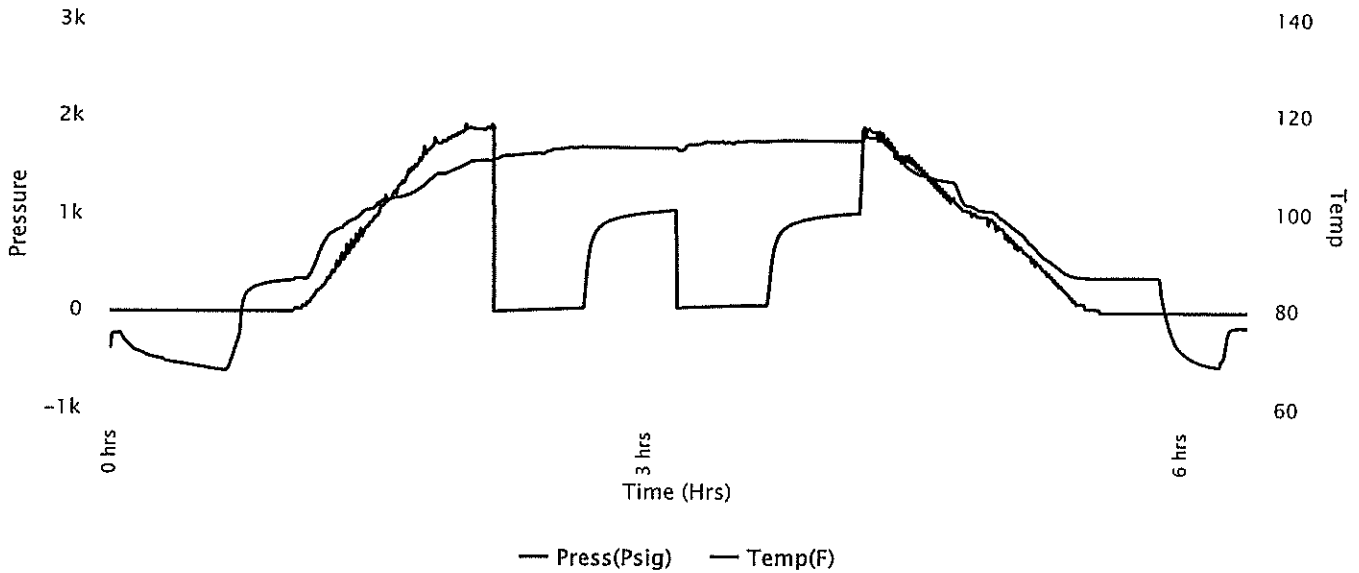
DATE
 August
22
 2018

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'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 3.5" at 30 min	Current Reading: 0" at 30 min	Current Reading: 2.4" at 30 min	Current Reading: 0" at 30 min
Max Reading: 3.5"	Max Reading: 0"	Max Reading: 2.4"	Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

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	Description of Fluid	Gas %	Oil %	Water %	Mud %
125	0.6477712	M	0	0	0	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 Close / Final Close	2.9	%	

● 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
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	

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.

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

Lease: Karol Swart #1

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 ID-3 1/2 Packer 2: 3914.14 FT
Weight Pipe: FT ID-2 7/8 Top Recorder: 3898.56 FT
Collars: 121.48 FT ID-2 1/4 Bottom Recorder: 3953 FT
Test Tool: 33.57 FT ID-3 1/2-FH Jars Well Bore Size: 7 7/8
Safety Joint Bottom Choke: 5/8"
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 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: Test Interval: 3914 - Total Depth: 3985'
 Toronto/Lans "A&B" 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.

SEC: 20 TWN: 14S RNG: 30W
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Elevation: 2862 GL
Field Name: Butterfield-Overland
Pool: Pool Ext
Job Number: 218

Lease: Karol Swart #1

Operation:
Test Complete

DATE
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23
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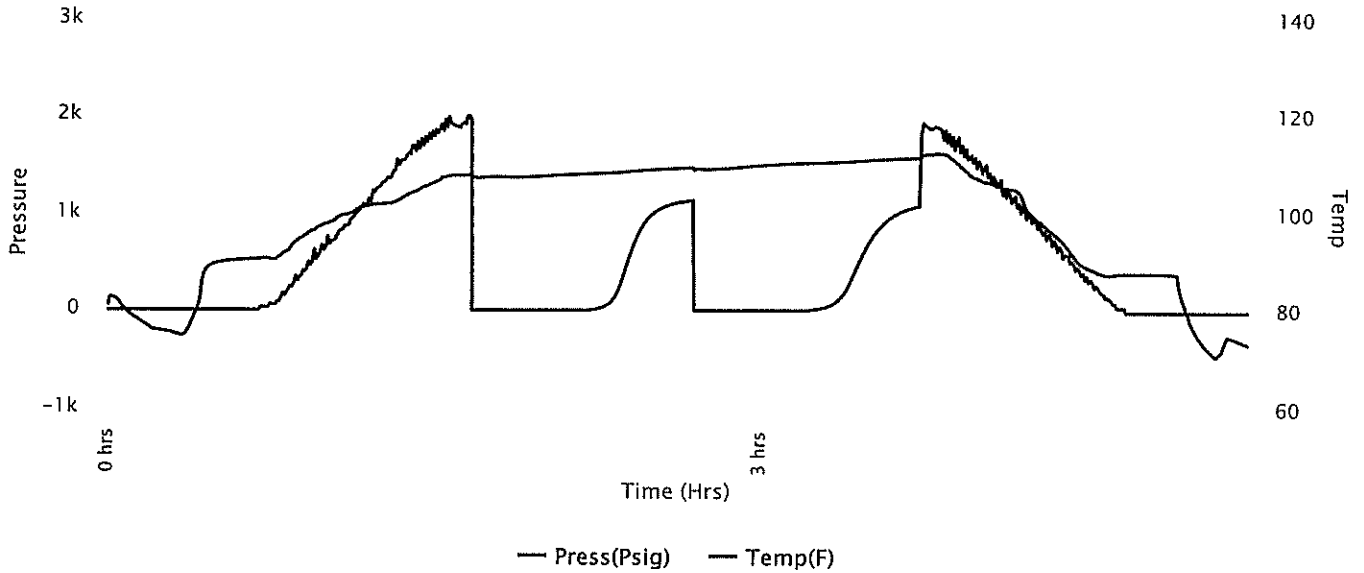
DST #2 **Formation: Lans "C"** **Test Interval: 3982 - 4005'** **Total Depth: 4005'**

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'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 1.6" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 1.6"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

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 0%
- Oil 4%
- Water 0%
- Mud 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.

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

Lease: Karol Swart #1

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

Down Hole Makeup

Heads Up: 13.64 FT	Packer 1: 3977 FT
Drill Pipe: 3841.59 FT <i>ID-3 1/2</i>	Packer 2: 3982 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3966.42 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 3984 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 23	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 22 FT <i>4 1/2-FH</i>	



**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

Mud Properties

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



Company: Palomino Petroleum, Inc.

SEC: 20 T₁/N: 14S R₁NG: 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

Lease: Karol Swart #1

Operation:
Test Complete

DATE
August
23
2018

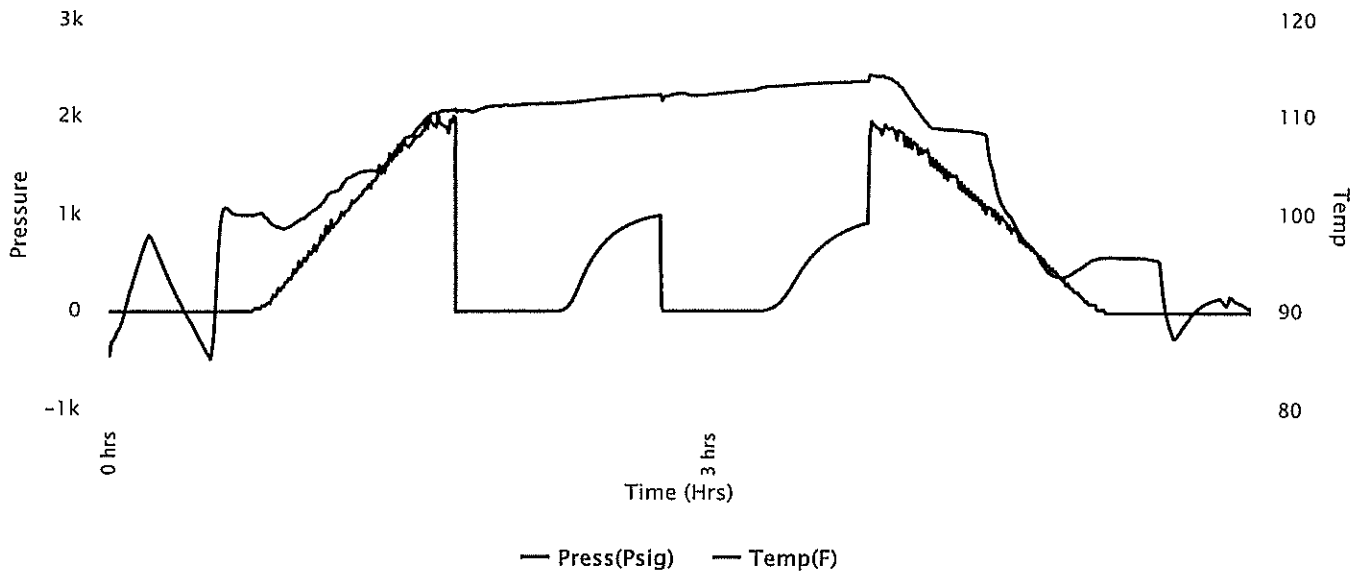
DST #3 Formation: Lans "D-F"
Test Interval: 4000 - 4074' Total Depth: 4074'

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'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: .8" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: .8"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

Operation:
Test Complete

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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

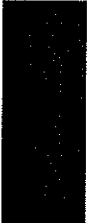
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.0984	SLOCM	0	1	0	99

Total Recovered: 20 ft
Total Barrels Recovered: 0.0984

Reversed Out
NO

Recovery at a glance

0.1



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 Close / Final Close	7.9	%	

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
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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
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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 <i>ID-3 1/2</i>	Packer 2: 4000.2 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3984.62 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 4039 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 73.8	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.80 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 36 FT <i>4 1/2-FH</i>	



Company: Palomino Petroleum, Inc.

SEC: 20 1/4N: 14S: R4G: 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

Lease: Karol Swart #1

Operation:
Test Complete

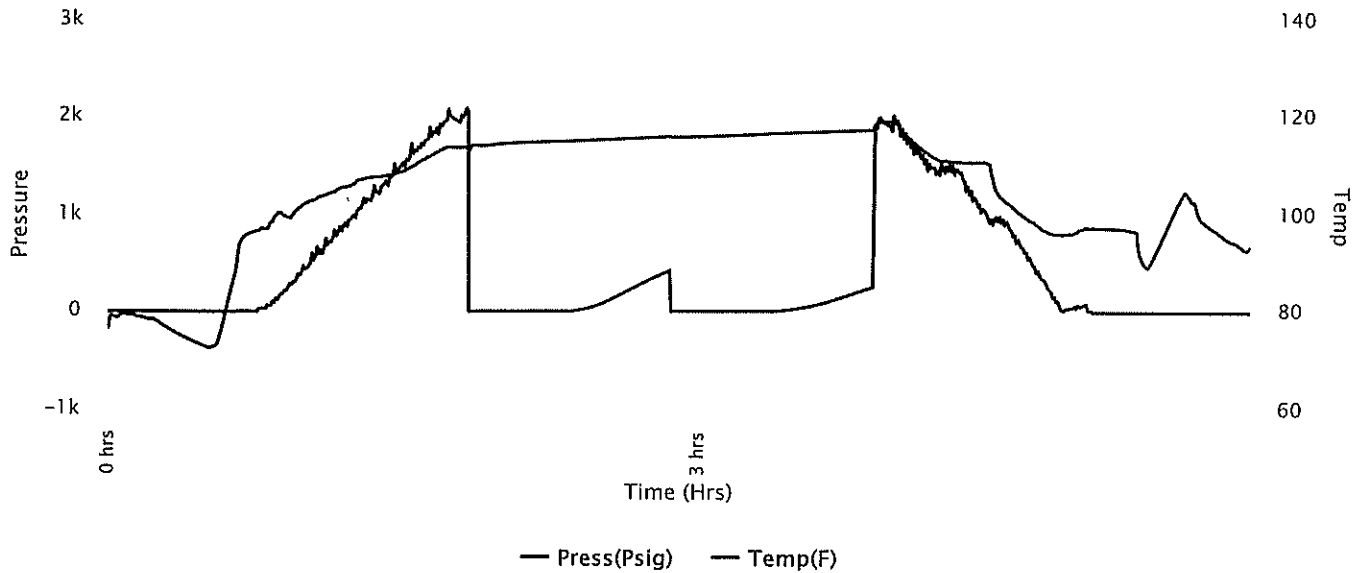
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DST #4 **Formation: Lans "H-J"** **Test Interval: 4110 - 4207'** **Total Depth: 4207'**
Time On: 08:44 08/24 Time Off: 14:24 08/24
Time On Bottom: 10:31 08/24 Time Off Bottom: 12:31 08/24

Electronic Volume Estimate:
22'

1st Open	1st Close	2nd Open	2nd Close
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: .6" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: .7"	Max Reading: 0"	Max Reading: 0"	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

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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

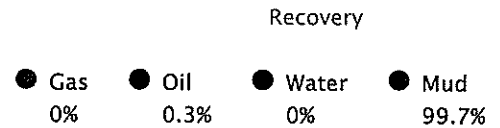
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0492	M (trace oil)	0	.3	0	99.7

Total Recovered: 10 ft
Total Barrels Recovered: 0.0492

Reversed Out
NO

Recovery at a glance

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 Close / Final Close	37.9	%	





**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
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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
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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 <i>ID-3 1/2</i>	Packer 2: 4109.73 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4094.15 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 4180 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 97.27	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.27 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 28 FT <i>4 1/2-FH</i>	



Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

Operation:
Test Complete

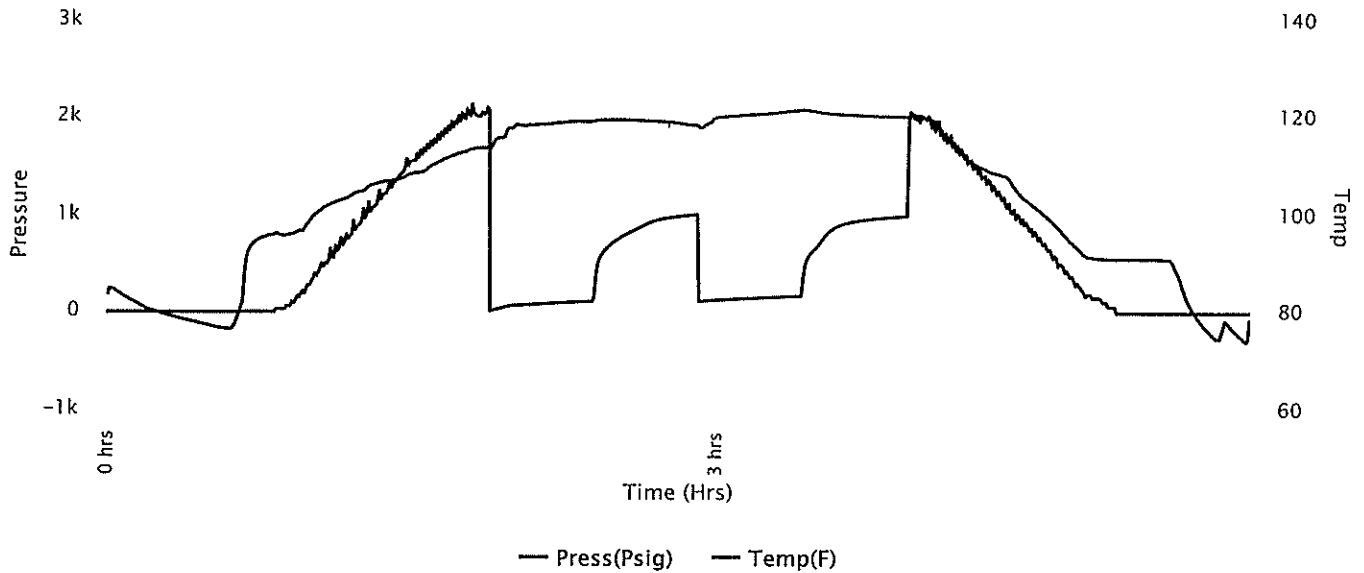
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DST #5 **Formation: Lans "K&L"** **Test Interval: 4200 - 4290'** **Total Depth: 4290'**
Time On: 00:13 08/25 Time Off: 05:43 08/25
Time On Bottom: 02:03 08/25 Time Off Bottom: 04:03 08/25

Electronic Volume Estimate:
365'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 14.9" at 30 min	Current Reading: 0" at 30 min	Current Reading: 11.0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 14.9"	Max Reading: 0"	Max Reading: 11.0"	Max Reading: 0"

Inside Recorder





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

Operation:
 Test Complete

DATE
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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

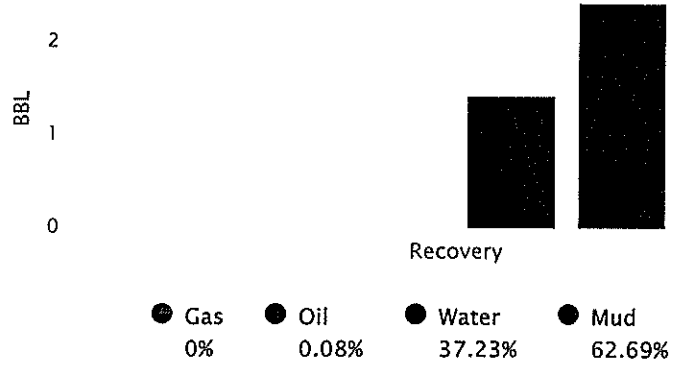
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
170	2.4191	HWCM (trace oil)	0	.1	39.9	60
65	0.9111712	SLWCM (trace oil)	0	.1	8.9	91
120	0.5904	HMCW	0	0	70	30

Total Recovered: 355 ft
 Total Barrels Recovered: 3.9206712

Reversed Out
 NO

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	%

Recovery at a glance





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
25
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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.

SEC: 20 TWN: 14S R1G: 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

Lease: Karol Swart #1

Operation:
Test Complete

DATE
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25
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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 <i>ID-3 1/2</i>	Packer 2: 4199.73 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4184.15 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 4270 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 90.27	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 63.27 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 21 FT <i>4 1/2-FH</i>	



Company: Palomino Petroleum, Inc.

SEC: 20 | WN: 14S | R&G: 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

Lease: Karol Swart #1

Operation:
Test Complete

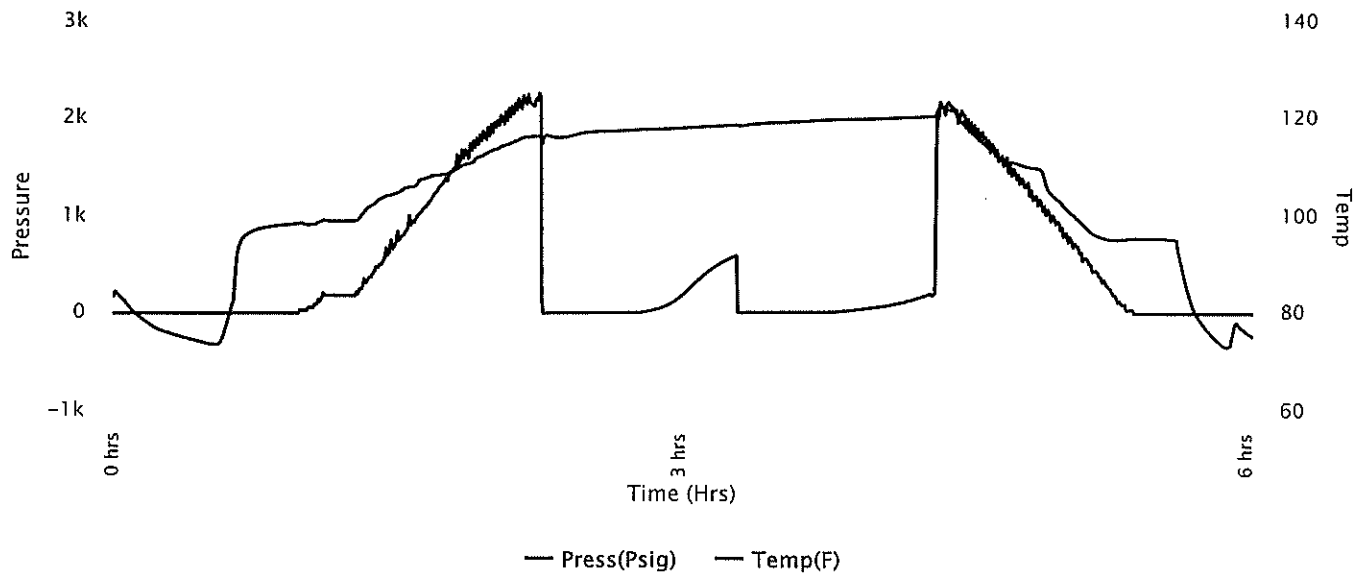
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DST #6 **Formation:** Pawnee/Myrick Station **Test Interval:** 4393 - 4458' **Total Depth:** 4458'
Time On: 23:32 08/25 Time Off: 05:25 08/26
Time On Bottom: 01:44 08/26 Time Off Bottom: 03:44 08/26

Electronic Volume Estimate:
47'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 30	Minutes: 30	Minutes: 30
Current Reading: 1.4" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min	Current Reading: 0" at 30 min
Max Reading: 1.4"	Max Reading: 0"	Max Reading: 0"	Max Reading: 0"

Inalda Recorder





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

Operation:
Test Complete

DATE
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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	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
30	0.1476	M (trace oil)	0	.3	0	99.7

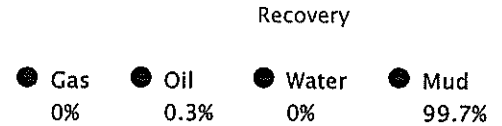
Total Recovered: 30 ft
Total Barrels Recovered: 0.1476

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	%	





Company: Palomino Petroleum, Inc.

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

Lease: Karol Swart #1

Operation:
Test Complete

DATE
August
25
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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

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.

SEC: 20 T1WN: 14S R1NG: 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

Lease: Karol Swart #1

Operation:
Test Complete

DATE
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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 <i>ID-3 1/2</i>	Packer 2: 4393.31 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4377.73 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 4432 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 64.69	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.69 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 27 FT <i>4 1/2-FH</i>	



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
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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
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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'

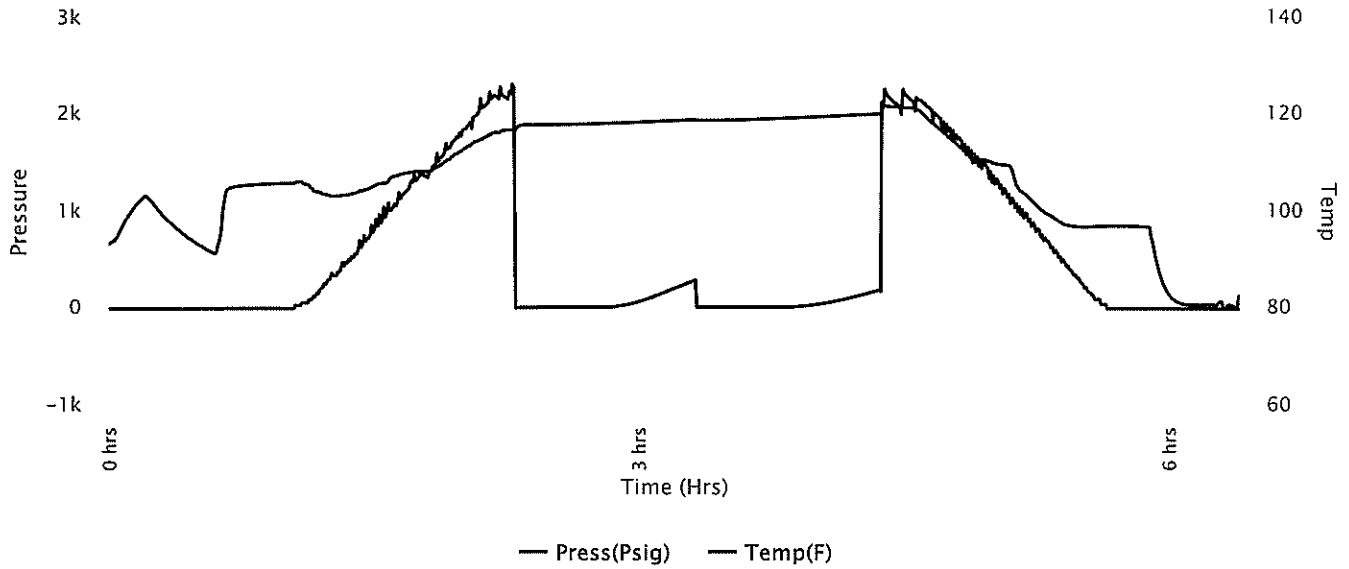
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

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
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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

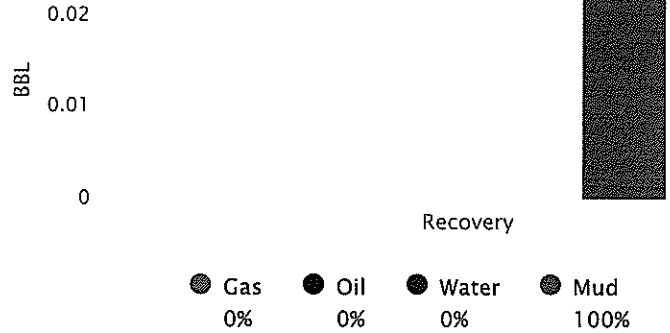
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0246	M	0	0	0	100

Total Recovered: 5 ft
Total Barrels Recovered: 0.0246

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2224	PSI
Initial Flow	14 to 17	PSI
Initial Closed in Pressure	298	PSI
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	%





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

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

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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 <i>ID-3 1/2</i>	Packer 2: 4446.73 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4431.15 FT
Collars: 121.48 FT <i>ID-2 1/4</i>	Bottom Recorder: 4517 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 106.27	Surface Choke: 1"
	Bottom Choke: 5/8"

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
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Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 60+ **Filtrate:** 7.2 **Chlorides:** 2,900 ppm

Field Geologist

815 S. Tonaka

Mass 01943 07560

(782) 788-6088

BEKINS'S HISTORY
DRIILLING THE WELLS AND SAMPLE LOG

OPERATOR Palentino Petroleum

LEASE Karol Swart # 1

FIELD _____

LOCATION 2256' FNL + 1085' FNL

SEC. 20 TWP. 14S RGE. 30W

COUNTY Gove STATE KS

DRILLER WU Drilling R.g. # 10

DATE 8/18/18 TO 8/28/18

DEPTH 4718 TO 4721

DEPTH TO TOP OF _____ 3500' TO RTD

DEPTH TO TOP OF _____ 3500' TO RTD

DEPTH TO TOP OF _____ 3500' TO RTD

DEPTH TO TOP OF _____ 3400' TO RTD

DEPTH TO TOP OF _____ 15-063-2233.5 TO Chemical

DEPTH TO TOP OF _____ _____ TO _____

ANHYDRITE 2327 (-1040) 2339 (-1028)

Heebner 3920 (-1053) 3918 (-1051)

Lansing 3940 (-1093) 3958 (-1091)

Stark 4205 (-1308) 4204 (-1307)

B.K.C. 4280 (-1473) 4282 (-1415)

Darmaton 4307 (-1440) 4305 (-1438)

Paulina 4401 (-1584) 4399 (-1532)

Ed. Scott 4459 (-1592) 4457 (-1590)

Chas. Keesh 4485 (-1618) 4480 (-1613)

Mississippian 4570 (-1707) 4568 (-1701)

ELEVATION

2867'

2862'

Measurements are all

From KB

CASING RECORD

THROU 8 5/8" @

217'

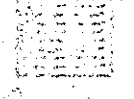
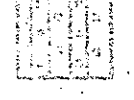
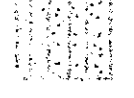
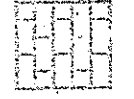
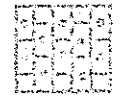
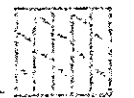
THROU N/A

WELL LOG SURFACES

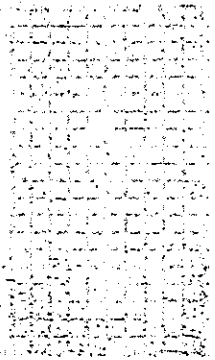
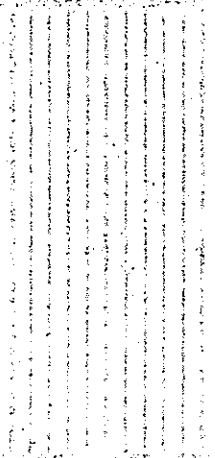
CND, OIL,

MICRO

LEGEND



SCALE = 100'



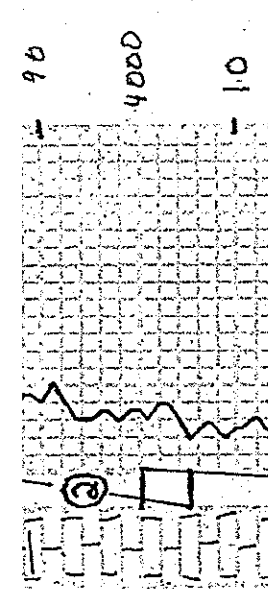
3500
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12/31/51 @ 3645
 wt. - 8.8
 V. - 5.7
 wt. - 6.0
 chl. - 1.000
 com. - 2#

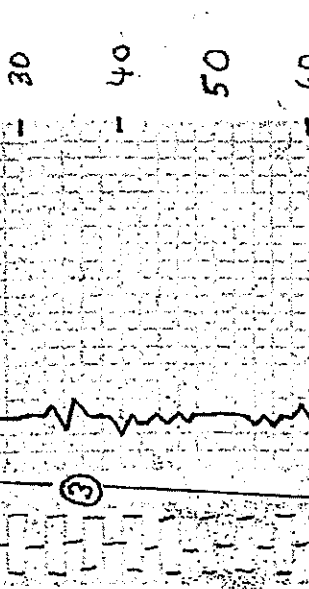
REC. 20' SOC. (V700, 9670m)
 IF-1"
 FF-Surface N. Return
 HP-1891# 1889#
 FFP-10#14# FFP-15#19#
 ISFP-1148# FFP-1090#

ls, cmy, wh, v. f. - sh. x h.
 dense, hand, v. s. on top
 x h. s. 5-10
 prod. 15-20
 ls, cmy, wh, v. f. - sh. x h.
 dense, hand, v. s. on top
 prod. 15-20



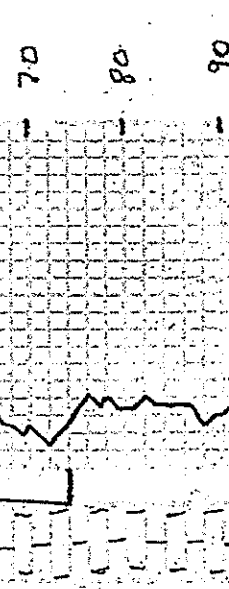
DST #3 4000'-4074'
 20-20-30-30
 Rec. 20' soc. (1700, 9720)
 FF-1/4" N. Return
 FF-Surface
 HP-1955# 1848#
 FFP-11#19# FFP-22#27#
 ISFP-1006# FFP-927#

ls, AA
 dense, hand, v. s. on top
 prod. 15-20



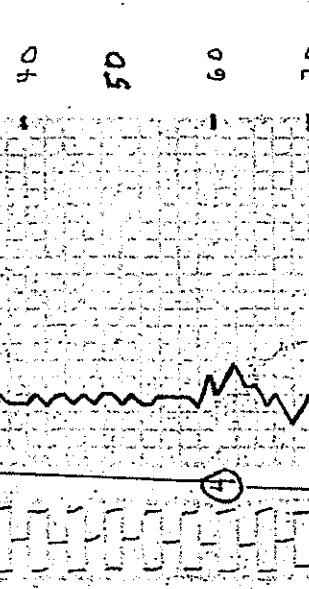
Mud v @ 4074'
 wt-9.2
 vis-62
 UL-6.4
 CAL-2.600
 LCM-I#

ls, cmy, wh, v. f. - sh. x h.
 dense, hand, v. s. on top
 prod. 15-20



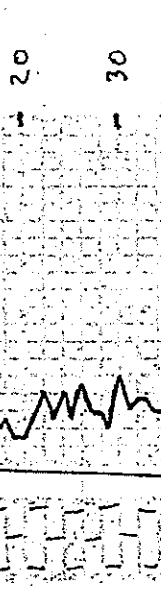
DST #4 4110'-4207'
 20-30-30-30
 Rec. 10' mud. v. sh. of oil
 IF-1/4" N. Return
 FF-Deck
 HP-2007# 1991#
 FFP-12#16# FFP-14#11#
 ISFP-43V# FFP-269#

ls, cmy, wh, v. f. - sh. x h.
 dense, hand, v. s. on top
 prod. 15-20



DST #5 4200'-4290'
 20-30-30-30
 Rec. 35' TF
 FF-10.6 25" .1 .1

ls, cmy, wh, v. f. - sh. x h.
 dense, hand, v. s. on top
 prod. 15-20



Mud v Creek
 4114 (-1247)

Stick 4804
 (-1337)

170' ucm (1080, 31, 200, 6020)
 65' ucm (1800, 8, 1700, 9130m)
 120' ucm (70, 200, 3020m)
 HP-2038 # - 2034 #
 FFP-194, 120 # FFP-124 # 176 #
 IJFF-1011 # FJFF-1-824 #

Sh., Blk Carb
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

70
 50
 40
 30
 20
 10
 4300
 10
 20
 30
 40
 50
 60
 70
 80
 90
 4400
 10
 20
 30
 40
 50
 60
 70
 80

Sh., 917-61K
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 Sh., AA
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Sh., 917-61K
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 Sh., AA
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4287 (-1415)
 Massillon
 4305 (-1438)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Mud v @ 4330'
 wt. - 9.1
 v. - 60
 WL - 6.4
 chl - 2,900
 CCM - 2 #

Sh., 917-dik 91
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4399 (-1532)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

DST # 6 4393-4405'
 Rec. 30' mud w/ to oil
 FF-114"
 FF-Surface
 HP-2139 # 2128 #
 FFP-194 # FFP-194-24 #
 IJFF-605 # FJFF-209 #

Sh., Blk Carb
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 Sh., Blk Carb
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4457 (-1590)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

DST # 7 4447-4453'
 Rec. 5' mud
 FF-114"

Sh., Blk Carb
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4480 (-1617)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4287 (-1415)
 Massillon
 4305 (-1438)
 Blk Carb 4399 (-1532)
 F.I. Scott
 4457 (-1590)
 Cherokee SL
 4480 (-1617)

Sh., Blk Carb
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

Blk Carb 4457 (-1590)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15
 Blk Carb 4480 (-1617)
 dense, gray, sh. - f. ab. 10m
 10.0 L.C. 1/15

