### KOLAR Document ID: 1427594

Confiden	tiality 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	& I FASE
	III JIONI	- DESCRIF HOR		a LLASL

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:
Gas DH EOR	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:      SWD Permit #:	
	Location of fluid disposal if hauled offsite:
EOR         Permit #:           GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion Date	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:					

### KOLAR Document ID: 1427594

Operator Name:	Lease Name: Well #:
Sec TwpS. R East 🗌 West	County:

Page Two

**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 (Attach Additional Sh	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I		] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Perforate		Туре	e of Cement	# Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the is</li> <li>Was the hydraulic fractu</li> <li>Date of first Production/Inj</li> </ol>	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes Yes Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	/IPLE	TION:			ON INTERVAL:
Vented Sold Used on Lease Open Hole (If vented, Submit ACO-18.)		Open Hole		-		mingled	Тор	Bottom	
		Perforation Bridge Plug Bridge Plug Bottom Type Set At			Acid,		ementing Squeeze		
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	KAROL SWART 1
Doc ID	1427594

Tops

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

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	KAROL SWART 1
Doc ID	1427594

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.250	8.625	23	217	Common	2% gel. 3% c.c.

QUALITY OILWEL CEMENTING

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

# Invoice

AUG 31 2018

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	
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: SubTotal: \$ 3,980.58 Net 30 Discount Available ONLY if Invoice is Paid & Received \$ (99.51)within listed terms of invoice: 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%)

Item

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved. Date: 8/28/2018 Invoice # 894

P.O.#:

Quantity

Price

Taxable

Due Date: 9/27/2018 Division: Russell

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

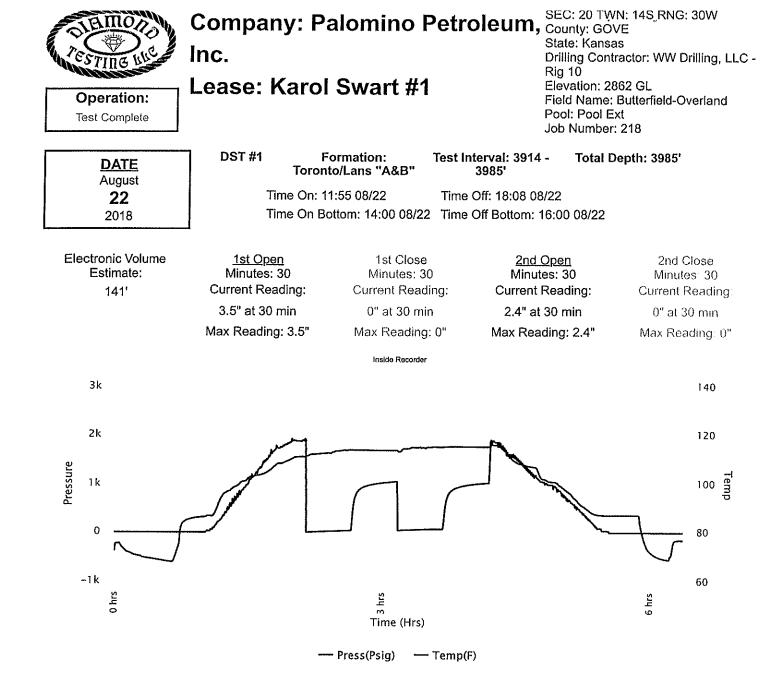
Phone 785-483-2025 Cell 785-324-1041	Home Office P.O. B	ox 32 Russell, KS 67665	No. 894		
Sec.			ocation Finish		
Date 8-28-18 20	14 30 Gol	e KS	1,00Am		
	Locati	ION GOVE JOS IKU QW R	into		
Lease Karo Swart	Well No. /	Owner			
Contractor/N/W#10	· · · · · · · · · · · · · · · · · · ·	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing	equipment and furnish		
Type Job Kotar Mug	·	cementer and helper to assist owner or contra	ractor to do work as listed.		
Hole Size	T.D. 4718	Charge Falomino			
Csg.	Depth	Street			
Tbg. Size	Depth	City State			
Tool	Depth	The above was done to satisfaction and supervision	on of owner agent or contractor.		
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 240 00/40	41. CE2 1/4#FF10		
Meas Line	Displace		· · ·		
EQUIP	<u>ÆNT</u>	Common/45			
Pumptrk 20 Helper CP	ig	Poz. Mix 95			
Bulktrk No. Driver		Gel. 9			
Bulktrk 14 No. Driver	·/	Calcium	· · · ·		
JOB SERVICES	& REMARKS	Hulls			
Remarks:	ц.	Salt			
Rat Hole 3051C	gente - son er er bester ante ante der beregt	Flowseal 607			
Mouse Hole		Kol-Seal			
Centralizers		Mud CLR 48			
Baskets		CFL-117 or CD110 CAF 38			
D/V or Port Collar	2000	Sand			
1/2 23.50 50	15K	Handling 24 C			
22, 1390 1009	sil and a second second	Mileage			
3 270 50%	E	FLOAT EQUIPMENT			
412 40 105K		Guide Shoe 85/8 Dal White DW	na l		
		Centralizer	3		
A.::20		Baskets			
		AFU Inserts			
	/>	Float Shoe			
t na	NKS	Latch Down			
	11 3 3 4 W 3 11	C Break age is there was			
		Pumptrk Charge			
		Mileage 35			
			Tax		
			Discount		
X Signature		Tota	al Charge		

	REMIT TO	MAIN OFFICE
PRESSURE PUMPING LLC	QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston,TX 77210-4346	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	RECEIVED: Net 30	Page 1
PALOMINO PETROLEUM, INC.	SEP 0 1 2018	
4924 SE 84TH STREET NEWTON KS 67114-8827 USA	KAROLS	SWART #1

	=======================================			==================	=======================================
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
			Discounte SubTotal After Amount E		5,984.50 1,795.35 4,189.15 d after 09/28/18
				Toxi	005.00
				Tax:	235.62
				Total:	4,424.77
	1999년 1917년 - 1919년 1919년 1917년 1917년 1917년 1918년 - 1919년 1917년 - 1917년 - 1917년 - 1917년 - 1917년 - 1917년 1917년 1 1917년 - 1917년 - 1917년 1917년 1917년 1917년 1917년 - 1917년 1917년 - 19				

	LC				11330	TICKET NUM	ber <u>552</u>	52
					1000	LOCATION_	- 1	15
2 K						FOREMAN	Walt D	Sikel
	RE PUMPING LLC	, FIEI	LD TICKE	T & TREA	TMENT REP	ORT		
620-431-92	Chanute, KS 6672 10 or 800-467-8676			CEMEN	IT			
DATE	CUSTOMER #	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
8-18-18	6285	Karo	Sulai	+ #1	20	149	300	Gove
CUSTOMER D. /	min Dat	calour -	Tur	Southto	TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDR	SS HA ( LA	al al	fi Actua	CUNC	731	Cory Do	115	
4924 SE	84-1 DTK	6		26000	528-T12	Evic Wi	liques	
CITY		STATE	ZIP CODE	an -pu	697	Walt D	ikel	
	Ur Face	KS	12 14	HOLE DEPT	0176	CASING SIZE & 1	MEICHT \$5	18-237
JOB TYPE	0101	HOLE SIZE	12.19	TUBING	- ZI	GASING SIZE &	OTHER	2 0 2-2-
SLURRY WEIGH		SLURRY VOL		WATER gal	sk	CEMENT LEFT in		-20'
DISPLACEMEN	1 - 11	DISPLACEMEN	TPSI	MIX PSI			3Pm	
REMARKS:	Satet. Mes	fine in	e ud au	· 114#	10 . Circ	Casine ou	· bottom	
mix	165 SKS (	Con 3%	ac ne	blel,	Daplace 1	21/2 BBL H	a, shiti	<del>ž</del>
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			Cartle	et D	e Cinc	J		
		and the second	11			n.f.		
			-p,	prox	3 BBL to	FIL	- Chevron and a state of the st	
		and a second		-11	te Van			
				- The	ula You	)		
ACCOUNT	QUANITY	or UNITS	· DE	ESCRIPTION O	IC HOND	) ODUCT	UNIT PRICE	TOTAL
CODE	QUANITY	or UNITS			Marke Vers Jan H. 4000 of SERVICES or PR	) ODUCT		
CODE C00471	QUANITY	or UNITS	PUMP CHARG		n (c. Vero Ja H Jero of SERVICES or PR	) oduct	1,150-00	6,650.
CODE C00471 C0002	30	anter a supervision and the supervision of the supe	PUMP CHARG	3E	1,555,555,555,555,555,555,555,555,555,5		1,100-00	TOTAL 1,157)- 2145
CODE C00471	30	anter a supervision and the supervision of the supe	PUMP CHARG	3E	ALIVERY		1,150-00	1,150- 214 5
CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	660 S
CODE C00471 C0002	- 30 7.7	anter a supervision and the supervision of the supe	PUMP CHARG	3E	Delivery		1,100-00	6,650-
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CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	660 S
CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	660 S
CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	660 S
CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	1,150- 2145 660
CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileass	Delivery		1,150-00 7:5 1 5	660 S
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CODE CODE	- 30 7.7	б	PUMP CHARG	BE Whileaso Cae Bla	Delivery and IT		1,150-00 7:55 1 75 2404	660 S

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.



Operation: Test Complete	Inc.	/: Palomin arol Swart		EUM, Co Sta Drii Rig Ele Fie Poo	unty: GÓVE ite: Kansas lling Contract   10 vation: 2862	terfield-Overland
DATE August	DST #1	Formation: Toronto/Lans "A8	Test Interv B" 398		Total Dept	h: 3985'
22	Time	e On: 11:55 08/22	Time Off:	18:08 08/22		
2018	Time	e On Bottom: 14:00	08/22 Time Off 8	Bottom: 16:0	0 08/22	
Foot BBLS		ription of Fluid	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>6 Mud %</u>
125 0.64777 Total Recovered: 12 Total Barrels Recove	25 ft	M 2 Reversed Out NO	0	0 Recover	0 ry at a gland	100 ce
Total Recovered: 12	25 ft ered: 0.647771	2 Reversed Out	0.5	-	-	
Total Recovered: 12 Total Barrels Recove	25 ft ered: 0.647771 sure 1882	2 Reversed Out NO PSI	0.5 ਛ	-	-	
Total Recovered: 12 Total Barrels Recove	25 ft ered: 0.647771 sure 1882 Flow 11 to 46	2 Reversed Out NO PSI	0.5	-	-	
Total Recovered: 12 Total Barrels Recove Initial Hydrostatic Press Initial F Initial Closed in Press Final Flow Press	25 ft ered: 0.647771 sure 1882 Flow 11 to 46 sure 1055 sure 49 to 73	12 Reversed Out NO PSI 6 PSI <b>PSI</b> 3 PSI	0.5 ਛ	-	-	
Total Recovered: 12 Total Barrels Recove Initial Hydrostatic Press Initial F Initial Closed in Press Final Flow Press Final Closed in Press	25 ft ered: 0.647771 sure 1882 Flow 11 to 48 sure 1055 sure 49 to 73 sure 1024	12 Reversed Out NO PSI 6 PSI 9SI 3 PSI PSI PSI	0.5 ਛ	-	'y at a gland	ce
Total Recovered: 12 Total Barrels Recover Initial Hydrostatic Press Initial F Initial Closed in Press Final Flow Press Final Closed in Press Final Hydrostatic Press	25 ft ered: 0.647771 sure 1882 Flow 11 to 48 sure 1055 sure 49 to 73 sure 1024 sure 1876	12 Reversed Out NO PSI 6 PSI 3 PSI 9SI PSI	0.5 뼕 0.25	-	'y at a gland	
Total Recovered: 12 Total Barrels Recove Initial Hydrostatic Press Initial F Initial Closed in Press Final Flow Press Final Closed in Press	25 ft ered: 0.647771 sure 1882 Flow 11 to 46 sure 1055 sure 49 to 73 sure 1024 sure 1876 ature 116	12 Reversed Out NO PSI 6 PSI 9SI 3 PSI PSI PSI	0.5 뼕 0.25	-	ry at a gland Re ● Oil ● V	ce

SIBIIO DO	Compa	ny: Palomino F	Petroleum,	Cour	
resting the	Inc.				e: Kansas ng Contractor: WW Drilling, LLC · 10
Operation:	Lease:	Karol Swart #1		Elev Field	ation: 2862 GL I Name: Butterfield-Overland
Test Complete					: Pool Ext Number: 218
DATE August	DST #1	Formation: Toronto/Lans "A&B"	Test Interval: 3914 3985'	-	Total Depth: 3985'
22	Т	'ime On: 11:55 08/22	Time Off: 18:08 08	/22	
2018	Т	ime On Bottom: 14:00 08/22	Time Off Bottom: 1	16:00	08/22

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

AMON
Per la
CSTING W

Test Complete

### Company: Palomino Petroleum, SEC: 20 TWN: 14S RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling,

Lease: Karol Swart #1

County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

Total Depth: 3985'

 	_
DATE	
August	
22	
2018	

DST #1 Formation: Toronto/Lans "A&B"

Test Interval: 3914 -3985'

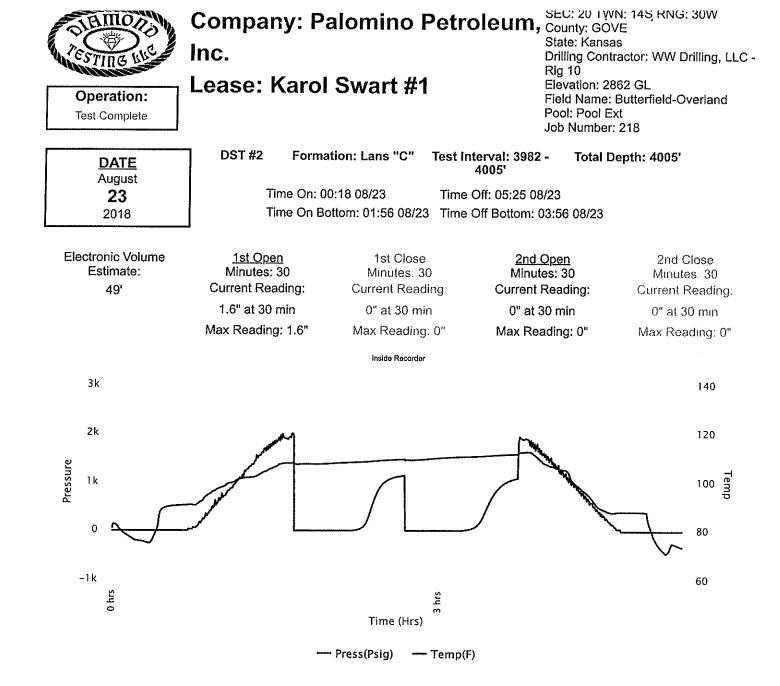
0.00.00/00

 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

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: ID-2 7/8	FT	Bottom Recorder:	3953 FT
Collars:	121.48 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
<b>Test Tool:</b> ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	70.86		
Anchor	Makeup		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	31.86 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	33 FT		

Operation: Test Complete	Inc.	ny: Palomino F Karol Swart #1	retroieum,	SEC: 20 TWN: 145 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
DATE August	DST #1	Formation: Toronto/Lans "A&B"	Test Interval: 3914 3985'	- Total Depth: 3985'
<b>22</b>	-	Time On: 11:55 08/22	Time Off: 18:08 08	/22
2018	-	Time On Bottom: 14:00 08/22	Time Off Bottom: 1	6:00 08/22
	-	Mud Proper	ties	
Mud Type: Chemical	Weight: 8.8	Viscosity: 57	Filtrate: 6.0	Chlorides: 1,000 ppm



resting hue	Inc.	y: Palomin arol Swart		EUIN, Cou Stai Drill Rig Elev Fiel Poo	te: Kansas ling Contractor: N	WW Drilling, LLC -
DATE August	DST #2	Formation: Lans '	'C" Test Interv 40		Total Depth: 4	005'
23	Tim	e On: 00:18 08/23	Time Off:	05:25 08/23		
2018	Tim	e On Bottom: 01:56	08/23 Time Off	Bottom: 03:56	6 08/23	
<u>Recovered</u> <u>Foot BBLS</u> 20 0.0984		ri <u>ption of Fluid</u> SLOCM	<u>Gas %</u> 0	<u>Oil %</u> 4	<u>Water %</u> 0	<u>Mud %</u> 96
Total Recovered: 20 Total Barrels Recove		Reversed Out NO		Recover	y at a glance	
Initial Hydrostatic Press	sure 1891	PSI				
Initial F			ಷ್ <u>ឋ</u> 0.05			
Initial Closed in Press		PSI	8			
Final Flow Press	ure 15 to 1					
Final Closed in Press	ure 1090	PSI	0			
Final Hydrostatic Pressu	ure 1889	PSI	, , , , , , , , , , , , , , , , , , ,		Recove	iry
Temperat	ure 112	°F		<b>A</b> -		•
Pressure Change In Close / Final Clo		%		Gas 0%	● Oil ● Wate 4% 0%	er ● Mud 96%

\*

En s	amo	734
	₩	
ALLES .	TING	

**Test Complete** 

#### Company: Palomino Petroleum, SEC: 20 TWN: 145 RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling,

Lease: Karol Swart #1

County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

	DATE	
	August	
	23	
	2018	
·		

DST #2 Formation: Lans "C"

'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

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



Test Complete

Company:	Palomino	Petroleur
Inc.		

Lease: Karol Swart #1

m, 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

DATE	
August	
23	
2018	

DST #2 Formation: Lans "C"

a: 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

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

Operation: Test Complete	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	-
DATE August	DST #2 Formation: Lans "C" Test Interval: 3982 - Total Depth: 4005' 4005'	
23	Time On: 00:18 08/23 Time Off: 05:25 08/23	
2018	Time On Bottom: 01:56 08/23 Time Off Bottom: 03:56 08/23	
	Mud Properties	

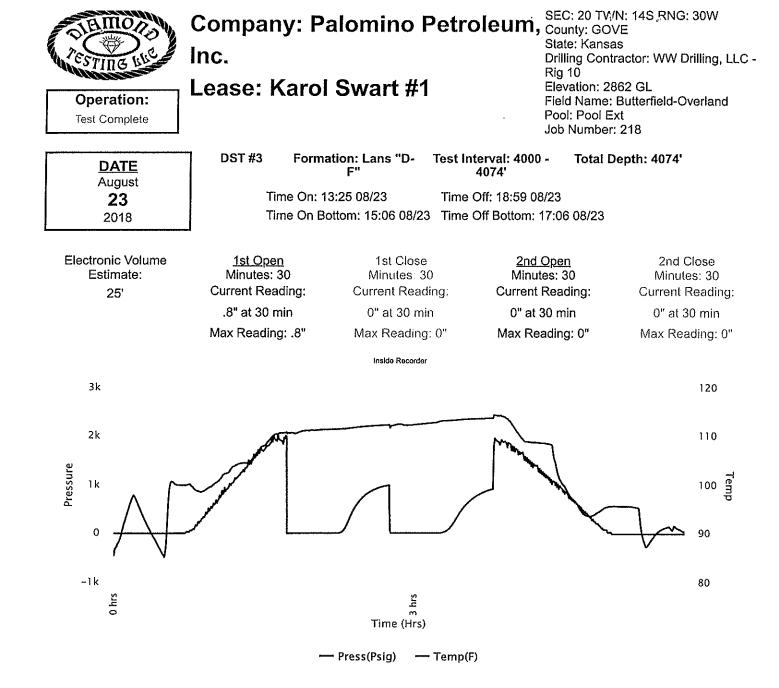
Mud Type: Chemical

Weight: 9.1

Viscosity: 57

Filtrate: 6.4

Chlorides: 2,100 ppm



Operation: Test Complete	Inc.	iy: Palom (arol Swa			<b>Eum,</b> Co Sta Dri Rig Ele Fie Po	unty: GO ate: Kans Iling Con J 10 vation: 2	as tractor: W 862 GL Butterfiel Ext	NG: 30W W Drilling, LLC - d-Overland
<u>DATE</u> August	DST #3	Formation: La F"	ins "D-	Test Interv 407		Total I	Depth: 40	74'
23	Tir	ne On: 13:25 08/:	23	Time Off:	18:59 08/23			
2018	Tir	ne On Bottom: 15	5:06 08/2	3 Time Off	Bottom: 17:0	6 08/23		
Recovered Foot BBLS 20 0.098		cription of Fluid SLOCM		<u>Gas %</u> 0	<u>Oil %</u> 1		ter % 0	<u>Mud %</u> 99
Total Recovered: 20 Total Barrels Recov		Reversed NO	Out	0.1	Recove	ry at a g	lance	
Initial Hydrostatic Pres	sure 195	5 PSI						
Initial				0.05				
Initial Closed in Pres			88	0.05				
Final Flow Pres								
Final Closed in Pres				0				
Final Hydrostatic Press				Ų			Recovery	,
Tempera		°F						
Pressure Change I Close / Final C	nitial 7.9	%			Gas 0%	<ul> <li>Oil</li> <li>1%</li> </ul>	Water 0%	Mud 99%

Operation: Test Complete	Company: Palomino Petroleum,SEC: 20 TWN: 14S ,RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC - 
<u>DATE</u> August	DST #3 Formation: Lans "D- Test Interval: 4000 - Total Depth: 4074' F" 4074'
<b>23</b> 2018	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 b 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



Test Complete

## Company: Palomino Petroleum, SEC: 20 TWN: 145 RNG: 30W County: GOVE Inc.

Lease: Karol Swart #1

State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

DATE	
August	
23	
2018	

Formation: Lans "D-F" **DST #3** 

Test Interval: 4000 -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

4074'

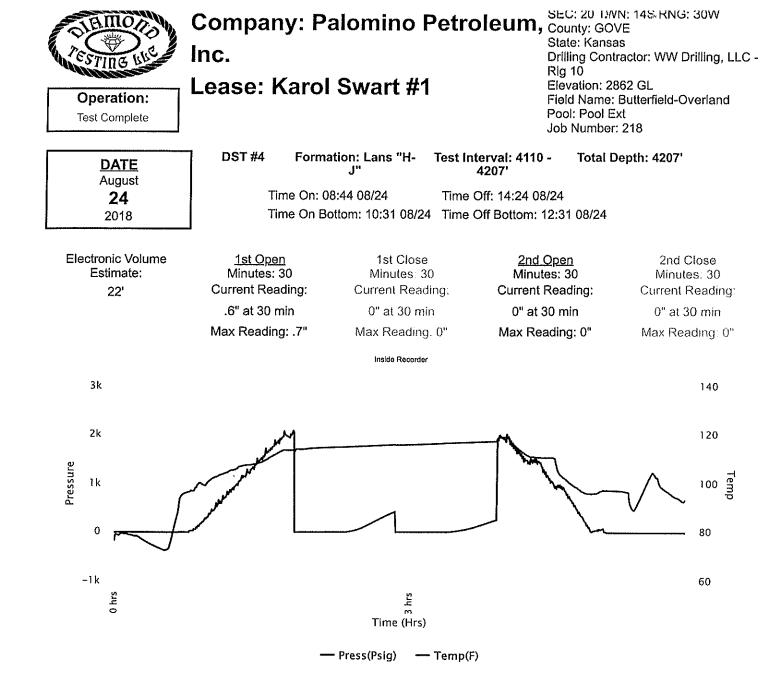
Heads Up:	27.18 FT	Packer 1:	3995.2 FT
Drill Pipe:	3873.33 FT	Packer 2:	4000.2 FT
ID-3 1/2		Top Recorder:	3984.62 FT
Weight Pipe: ID-2 7/8	0 FT	Bottom Recorder:	4039 FT
Collars:	121.48 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool:	33.57 FT	Bottom Choke:	5/8"
ID-3 1/2-FH Jars			
Safety Joint			
Total Anchor:	73.8		
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top):	3 FT		
4 1/2-FH			
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	31.80 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	36 FT		

Operation: Test Complete	Inc.	ny: Palomino P Karol Swart #1	'etroleum,	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
DATE August	DST #3	Formation: Lans "D- F"	Test Interval: 4000 4074'	- Total Depth: 4074'
23		Time On: 13:25 08/23	Time Off: 18:59 08	0/23
2018		Time On Bottom: 15:06 08/23	Time Off Bottom: 1	17:06 08/23
L	-	Mud Proper	ties	

Mud Type: Chemical Weight: 9.2

Viscosity: 62 Filtrate: 6.4

Chlorides: 2,600 ppm



Operation: Test Complete	Inc.	y: Palomir (arol Swar			eum	County: State: K Drilling ( Rig 10 Elevatio Field Na Pool: Po	ansas Contractor: W n: 2862 GL me: Butterfie	/W Drilling, LLC -
DATE	DST #4	Formation: Lans J"	"Н-	Test Inter 42	rval: 411 207'	D- To	tal Depth: 42	207'
August <b>24</b> 2018	1	ne On: 08:44 08/24 ne On Bottom: 10:31	1 08/24	Time Of	f: 14:24 C	8/24 12:31 08/	24	
Recovered Foot BBLS 10 0.049		cription of Fluid M (trace oil)		<u>Gas %</u> 0	<u>Oil</u>	<u>%</u> 3	<u>Water %</u> 0	<u>Mud %</u> 99.7
Total Recovered: 10 Total Barrels Recove		Reversed Out NO	t	0.05	Rec	overy at	a glance	
Initial Hydrostatic Pres Initial I Initial Closed in Pres	Flow 12 to sure 434	16 PSI PSI	BBL	0.025				
Final Flow Pres Final Closed in Press Final Hydrostatic Press	sure 269	PSI		0			Recove	ry
Tempera Pressure Change Ir Close / Final C	nitial 37.9	°F %			Gas 0%	• Oil 0.3	● Wate % 0%	● Mud 99.7%

Coperation: Test Complete	Inc.	ny: Palomino F Karol Swart #1	etroleum,	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
DATE	DST #4	Formation: Lans "H- J"	Test Interval: 4110	Job Number: 218 - Total Depth: 4207'
August <b>24</b> 2018		Time On: 08:44 08/24 Time On Bottom: 10:31 08/24	Time Off: 14:24 08/	
BUCKET MEASUREMENT 1st Open: Surface blow b		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



Test Complete

### Company: Palomino Petroleum, SEC: 20 TWN: 14S RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling,

Lease: Karol Swart #1

County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

DATE	
August	
24	
2018	

DST #4 Formation: Lans "H-J"

- Test Interval: 4110 -4207'

0 - Total Depth: 4207'

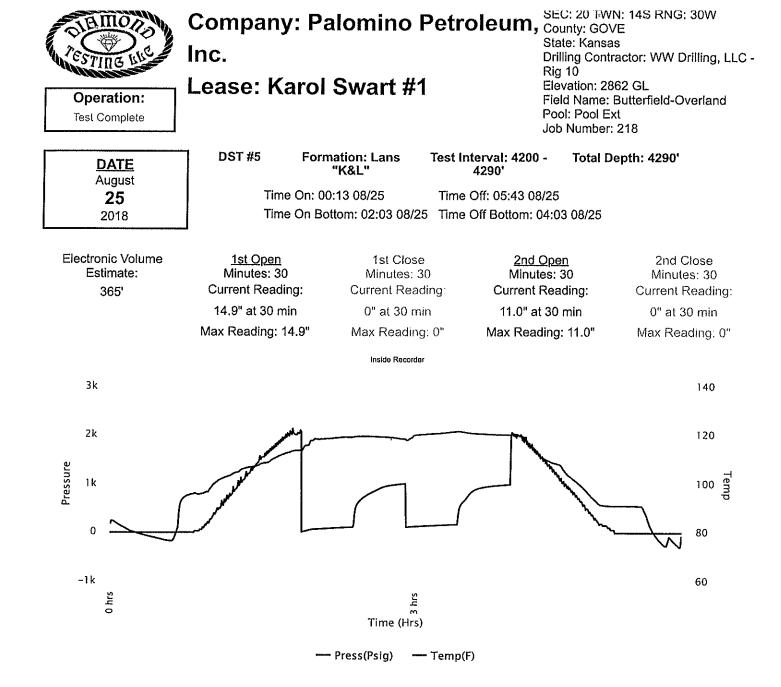
 Time On: 08:44 08/24
 Time Off: 14:24 08/24

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

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

Operation: Test Complete	Inc.	iy: Palomino F Karol Swart #1	etroleum,	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
DATE August	DST #4	Formation: Lans "H- J"	Test Interval: 4110 - 4207'	• Total Depth: 4207'
24	Ti	me On: 08:44 08/24	Time Off: 14:24 08/	24
2018	Ti	me On Bottom: 10:31 08/24	Time Off Bottom: 12	2:31 08/24
	<u> </u>	Mud Proper	rties	

Mud Type: ChemicalWeight: 9.2Viscosity: 62Filtrate: 6.4Chlorides: 2,600 ppm



resting the	Company: Inc. Lease: Kar			EUM, Cou Sta Drill Rig Elev Fiel Poo	te: Kansas ling Contractor: \	WW Drilling, LLC -
DATE	DST #5	Formation: Lans "K&L"	Test Interv 429		Total Depth: 4	1290'
August 25	Time O	n: 00:13 08/25		05:43 08/25		
2018		n Bottom: 02:03 0		Bottom: 04:0:	3 08/25	
<u>Recovered</u> Foot BBLS	Descripti	on of Fluid	Gas %	<u>Oil %</u>	<u>Water %</u>	Mud %
170 2.4191		(trace oil)	0	.1	39.9	60
65 0.911171		(trace oil)	0	.1	8.9	91
120 0.5904		icw í	0	0	70	30
Total Recovered: 355 Total Barrels Recove		Reversed Out NO		Recover	y at a glance	
Initial Lurdrastatia Drasa	ure 2039	001	2			
Initial Hydrostatic Press Initial F		PSI PSI	<del></del>		_	
Initial Closed in Press		PSI	l BBL			
Final Flow Press		PSI				
Final Closed in Press		PSI	0			
Final Hydrostatic Pressu		PSI	0		Recover	у У
Temperat		°F	_			•
Pressure Change Ini Close / Final Clo		%			Dil • Wate 0.08% 37.2	

Sec.	a mo	
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A CONTRACTOR	TING	

Test Complete

#### Company: Palomino Petroleum, SEC: 20 1 WN: 14S RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling

## Lease: Karol Swart #1

County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

 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, SEC: 20 TWN: 145 RING: 3000 County: GOVE State: Kansas Drilling Contractor: WW Drilling,

## Lease: Karol Swart #1

**DST #5** 

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	

Formation: Lans "K&L"

Test Interval: 4200 -4290'

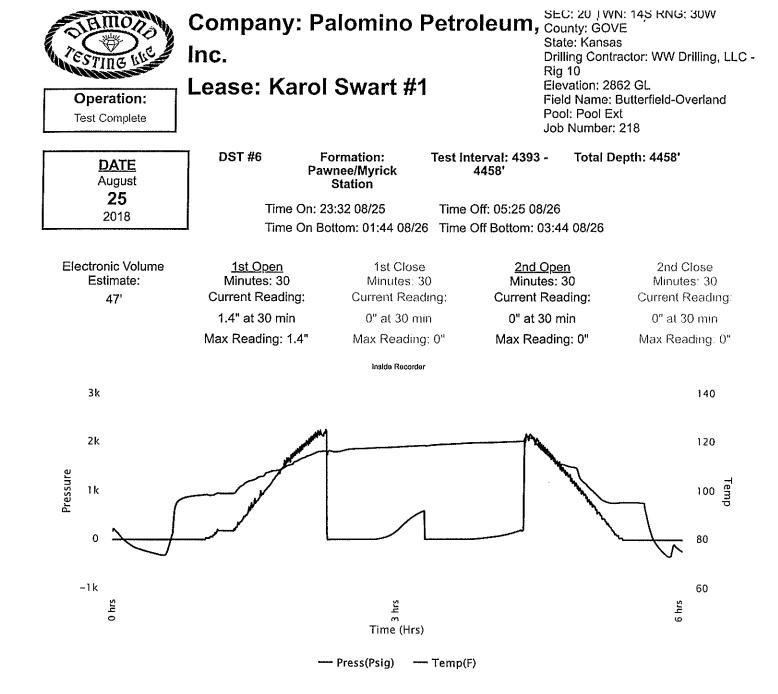
Total Depth: 4290'

 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

Heads Up:	18.68 FT	Packer 1:	4194.73 FT
Drill Pipe:	4064.36 FT	Packer 2:	4199.73 FT
ID-3 1/2		Top Recorder:	4184.15 FT
Weight Pipe: /D-2 7/8	0 FT	Bottom Recorder:	4270 FT
Collars:	121.48 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
<b>Test Tool:</b> ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	90.27		
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	63.27 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	21 FT		

SIAMORS	Compan	y: Palomino F	Petroleum, ໍູ	SEC: 20 J WN: 14S RNG: 30W County: GOVE
resting the	Inc.		C	State: Kansas Drilling Contractor: WW Drilling, LLC - Rig 10
Operation: Test Complete	Lease: K	arol Swart #1	E F F	Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext ob Number: 218
DATE August	DST #5	Formation: Lans "K&L"	Test Interval: 4200 - 4290'	Total Depth: 4290'
<b>25</b>		ne On: 00:13 08/25	Time Off: 05:43 08/	
2018	Tin	ne On Bottom: 02:03 08/25	5 Time Off Bottom: 04	1:03 08/25
		Mud Prope	rties	
Mud Type: Chemical	Weight: 9.4	Viscosity: 55	Filtrate: 6.8	Chlorides: 2,700 ppm



Operation: Test Complete	Inc.	r: Palomin arol Swart		Sta Sta Dr Rig Ela Fia Po	ate: Kansas	WW Drilling, LLC -
DATE August 25 2018		Formation: Pawnee/Myrick Station On: 23:32 08/25 On Bottom: 01:44	Time Off:	6 <b>8'</b> 05:25 08/26	-	4458'
<u>Recovered</u> Foot BBLS 30 0.147	6 M	<u>ption of Fluid</u> (trace oil)	<u>Gas %</u> 0	<u>Oil %</u> .3	<u>Water %</u> 0	<u>Mud %</u> 99.7
Total Recovered: 30 Total Barrels Recove		Reversed Out NO		Recove	ry at a glance	
Initial Hydrostatic Pres Initial I Initial Closed in Press	Flow 12 to 17	PSI PSI <b>PSI</b>	0.1 ឆ្ល			
Final Flow Pres Final Closed in Press Final Hydrostatic Press	sure 209	PSI PSI PSI	0		Recove	ery
Tempera Pressure Change Ir Close / Final C	nitial 65.4	°F %		Gas 0%	● Oil  ● Wat 0.3%   0%	er • Mud 99.7%

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THIONS	Compa	ny: Palomin	o Petroleum,	
resting hue	Inc.		I	State: Kansas Drilling Contractor: WW Drilling, LLC -
Operation: Test Complete	Lease:	Karol Swart	#1	Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218
DATE August	DST #6	Formation: Pawnee/Myrick Station	Test Interval: 4393 - 4458'	- Total Depth: 4458'
<b>25</b> 2018		Time On: 23:32 08/25 Time On Bottom: 01:44 0	Time Off: 05:25 08/ 8/26 Time Off Bottom: 03	

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



**Operation:** 

**Test Complete** 

## Company: Palomino Petroleum, SEC: 20 TWN: 145 RNG: 30W County: GOVE State: Kansas Drilling Contractor: WW Drilling,

Lease: Karol Swart #1

County: GOVE State: Kansas Drilling Contractor: WW Drilling, LLC -Rig 10 Elevation: 2862 GL Field Name: Butterfield-Overland Pool: Pool Ext Job Number: 218

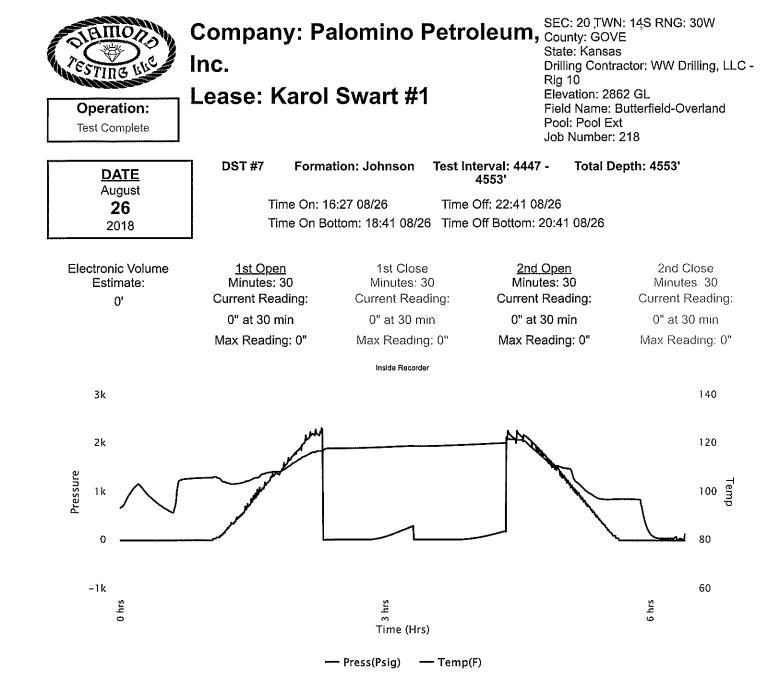
Total Depth: 4458'

Time On: 23:32 08/25	Time Off: 05:25 08/26	00/00
		Time On: 23:32 08/25         Time Off: 05:25 08/26           Time On Bottom: 01:44 08/26         Time Off Bottom: 03:44

# **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: ID-2 7/8	0 FT	Bottom Recorder:	4432 FT
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		
<u>Anchor</u> Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top):	3 FT		
4 1/2-FH	011		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	31.69 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	27 FT		

Operation: Test Complete	Inc.	any: Palomino F Karol Swart #1	'etroleum,	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
DATE August	DST #6	Formation: Pawnee/Myrick Station	Test Interval: 4393 4458'	- Total Depth: 4458'
<b>25</b> 2018		Time On: 23:32 08/25	Time Off: 05:25 08	/26
<u> </u>	<b>_</b>	Time On Bottom: 01:44 08/26	Time Off Bottom: 0	3:44 08/26
		Mud Proper	ties	
Mud Type: Chemical	Weight: 9.1	Viscosity: 60	Filtrate: 6.4	Chlorides: 2,900 ppm



resting the	Company: Inc. Lease: Kar			Sta Sta Dr Rij Ela Fia Pc	ounty: GC ate: Kans illing Con g 10 evation: 2	as tractor: WW 862 GL : Butterfield Ext	/ Drilling, LLC -
DATE	DST #7 Fo	rmation: Johnsor	n Test Interv 455		Total	Depth: 455	3'
August	Time O	- 46-07 00/00	Time Off	00.44.00/0/			
26		n: 16:27 08/26 n Bottom: 18:41 08		22:41 08/26 Bottom: 20:4			
2018	nine O			50110111: 20:4	+1 00/20		
<u>Recovered</u> <u>Foot BBLS</u> 5 0.0246	I	<u>on of Fluid</u> M	<u>Gas %</u> 0	<u>Oil %</u> 0	<u>Wa</u>	<u>iter %</u> 0	<u>Mud %</u> 100
Total Recovered: 5 f Total Barrels Recove	-	Reversed Out NO		Recove	ery at a g	glance	
			0.02				
Initial Hydrostatic Press		PSI					
Initial F		PSI	ਛ 0.01				
Initial Closed in Press		PSI	0.01				
Final Flow Press		PSI					
Final Closed in Press		PSI	0			Recovery	
Final Hydrostatic Press		PSI °F				Recovery	
Tempera Pressure Change Ir Close / Final C	nitial 35.1	%		Gas 0%	Oil 0%	Water 0%	Mud 100%

Operation: Test Complete	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
DATE August	DST #7 Formation: Johnson Test Interval: 4447 - Total Depth: 4553' 4553'
26	Time On: 16:27 08/26 Time Off: 22:41 08/26
2018	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.	м Т

### **REMARKS:**

2nd Close: No blow back.

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

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Yune	STING	

# Lease: Karol Swart #1

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

Operation:
Test Complete

DATE August 26 2018

DST #7	Formation: Johnson	Test Interval: 4447 - 4553'	Total Depth: 4553'
	e On: 16:27 08/26 e On Bottom: 18:41 08/26	Time Off: 22:41 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: ID-2 7/8	0 FT	Bottom Recorder:	4517 FT
Collars:	121.48 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
<b>Test Tool:</b> ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	106.27		
	Makeup		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	63.27 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	37 FT		

Operation: Test Complete	Inc.	y: Palomino F (arol Swart #1	etroieum,	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						
DATE August	DST #7	Formation: Johnson	Test Interval: 4447 4553'	- Total Depth: 4553'						
<b>26</b>										
2018	Tir	ne On Bottom: 18:41 08/26	5 Lime Off Bottom: 2	20:41 08/26						
August         Time On: 16:27 08/26         Time Off: 22:41 08/26           26         Time On: 16:27 08/26         Time Off: 22:41 08/26										
Mud Type: Chemical	Weight: 9.2	Viscosity: 60+	Filtrate: 7.2	Chlorides: 2,900 ppm						

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