

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
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

KIM B. SHOEMAKER

CONSULTING GEOLOGIST
318-604-9709 WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Palomino Petroleum, Inc.**
LEASE: **#1 THUNDERBALL**
FIELD: **W/LOCAT**
LOCATION: **1641 FWL # 1808' FEL**
SEC: **19** TWP: **19S** RGE: **25W**
COUNTY: **NEOS** STATE: **KANSAS**
OPERATOR: **L.D. Drilling, Inc.**
DATE: **6-14-22** TO: **6-23-22**
RTD: **4504** LTR: **4504**
HAND UP: **3571** TYPE AND CHEMICAL

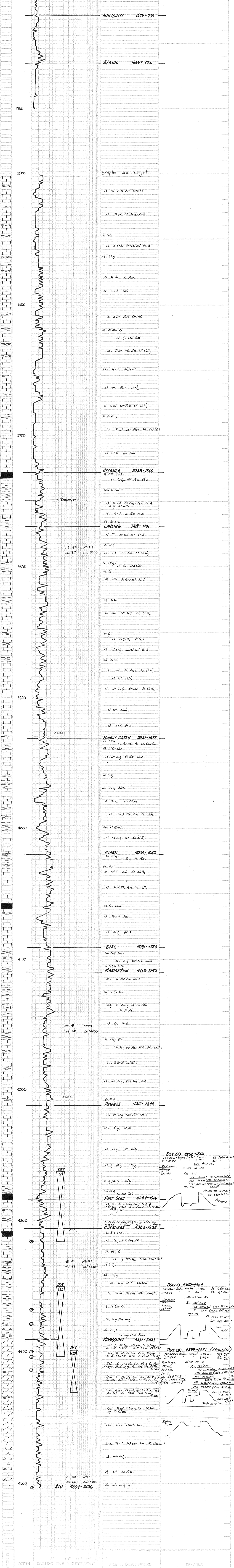
NO: **2308**
DF: **2303**
Measurements: **As of 21**
FROM: **2368** TO: **4504**
Casing: **8 5/8" @ 221'**
Production: **5 1/2" @ 221'**
Diameter: **5 1/2" @ 221'**
Diameter: **5 1/2" @ 221'**
Diameter: **5 1/2" @ 221'**

SAVES SAVED FROM: **3500 TO 4504**
DRILLING TIME FROM: **3600 TO 4504**
SAVES EXPANDED FROM: **3600 TO 4504**
GEOTECHNICAL SUPERVISION FROM: **3100 TO 4504**
APPROX. COST ON WELL: **Kim B. Shoemaker**

FORMATION TOPS	LOG	STRAVERS
ANHYDRITE	1629-739	1629-739
HEEBNER	3728-1360	3728-1360
LANSING	3728-1401	3728-1401
B/KC	4091-1723	4091-1723
MARMATON	4111-1743	4111-1743
PAWNEE	4212-1844	4212-1844
FORT SCOTT	4285-1915	4285-1915
CHEROKEE	4306-1938	4306-1938
RTD	4390-2022	4391-2023

REMARKS: 6-14-22 SPUD 224' API: 15-135-26176
6-15 @ 1500'
6-16 @ 2500'
6-17 @ 3000'
6-18 @ 3670'
6-19 @ 4130'
6-20 @ 4316'
6-21 @ 4404'
6-22 @ 4504'
6-23 @ 4504'

LEGEND



COMPANY: **Palomino Petroleum, Inc.** ELEVATION: **2368 KB**
LEASE: **#1 THUNDERBALL**
LOCATION: **1641 FWL # 1808' SEC. 19 TWP. 19S RGE. 25W**
COUNTY: **NEOS** STATE: **KANSAS**



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 PALOMINO PETROLEUM INC
 4924 SE 84TH ST
 NEWTON, KS 67114-8827

Invoice Date: 6/15/2022
 Invoice #: 0361245
 Lease Name: Thunderball
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2936
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	225.000	21.600	4,860.00
Light Eq Mileage	95.000	2.000	190.00
Heavy Eq Mileage	190.000	4.000	760.00
Ton Mileage	1,007.000	1.500	1,510.50
Depth Charge 0'-500'	1.000	960.000	960.00
Cement Blending & Mixing	225.000	1.344	302.40
Service Supervisor	1.000	264.000	264.00

Total 8,846.90

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

SWIFT



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



Invoice

DATE	INVOICE #
6/23/2022	34658

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

RECEIVED
JUN 27 2022
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Thunderball	Ness	L.D. Drilling	Oil	Development	5 1/2 Longstring	{Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	7.00	140.00
578D-L	Pump Charge - Long String				1	Job	1,600.00	1,600.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
403-5	5 1/2" Cement Basket				1	Each	300.00	300.00T
409-5	5 1/2" Turbolizer				12	Each	100.00	1,200.00T
325	Standard Cement				100	Sacks	15.00	1,500.00T
284	Calseal				5	Sack(s)	50.00	250.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	6.00	300.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	19.50	2,437.50T
281	Mud Flush				500	Gallon(s)	2.00	1,000.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				4	Gallon(s)	42.00	168.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	350.00	350.00
	Subtotal							13,245.50
	Sales Tax Ness County						6.50%	695.86

long string for #1
6/23

We Appreciate Your Business!	Total	\$13,941.36
-------------------------------------	--------------	-------------



CHARGE TO: *Palomino Petroleum*

ADDRESS

CITY, STATE, ZIP CODE

TICKET **34658**

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Ness City</i>	WELL/PROJECT NO. <i>#1</i>	LEASE <i>Thunderball</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>KS</i>	CITY	DATE <i>6-23-22</i>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>L.D.</i>	RIG NAME/NO.	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>location</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>long string 5 1/2"</i>	WELL PERMIT NO.	WELL LOCATION <i>Laird 3-5, 39-E, N-into</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE Truck 114</i>	<i>20</i>	<i>mi</i>			<i>7.00</i>	<i>140.00</i>
<i>578</i>		<i>1</i>			<i>Pump change (longstring)</i>	<i>1</i>	<i>Job</i>			<i>1600.00</i>	<i>1600.00</i>
<i>404</i>		<i>1</i>			<i>Port Collar</i>	<i>1</i>	<i>Eq.</i>	<i>5 1/2"</i>		<i>2500.00</i>	<i>2500.00</i>
<i>407</i>		<i>1</i>			<i>Insert Float shoe w/Auto Fill</i>	<i>1</i>	<i>ea.</i>	<i>5 1/2"</i>		<i>350.00</i>	<i>350.00</i>
<i>406</i>		<i>1</i>			<i>Latch down plug & Baffle</i>	<i>1</i>	<i>ea.</i>	<i>5 1/2"</i>		<i>250.00</i>	<i>250.00</i>
<i>403</i>		<i>1</i>			<i>CMT Basket</i>	<i>1</i>	<i>ea.</i>	<i>5 1/2"</i>		<i>300.00</i>	<i>300.00</i>
<i>409</i>		<i>1</i>			<i>Turbo Lizer</i>	<i>12</i>	<i>ea.</i>	<i>5 1/2"</i>		<i>100.00</i>	<i>1200.00</i>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

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

X

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY				AGREE	UNDECIDED	DISAGREE	PAGE TOTAL <i>#1 \$6340.00</i> <i>#2 \$6905.50</i> <i># 13245.50</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?							
WE UNDERSTOOD AND MET YOUR NEEDS?							
OUR SERVICE WAS PERFORMED WITHOUT DELAY?							
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?							<i>Ness</i> <i>69586</i>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO							
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND							TOTAL <i>1394136</i>

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

SWIFT OPERATOR *Patrick Lane*

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 34658

CUSTOMER *Palomares Petroleum* WELL *Thunder ball #1* DATE *6-23-22* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
325		1				STD Cement	100	SKS			15.00	1500.00
284		1				Cal Seal	5	SKS			50.00	250.00
283		1				Salt	500	LBS			0.25	125.00
285		1				CFR-1	50	LBS			6.00	300.00
276		1				Flacele	75	LBS			3.00	225.00
330		1				SMD Cement	125	SK			19.50	2437.50
281		1				Mud Flush	500	gal			2.00	1000.00
221		1				Liquid KCL	4	gal			25.00	100.00
290		1				D-Air	4	gal			42.00	168.00
581		1				SERVICE CHARGE						
582		1				CMT						
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
							23,000	20	230 (min)			
						CUBIC FEET						
										225 SKS	2.00	450.00
											350.00	350.00

CONTINUATION TOTAL \$6905.50



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2363 GL
 Field Name: Chrif East
 Pool: WILDCAT
 Job Number: 579
 API #: 15-135-26176

Operation:
 Uploading recovery & pressures

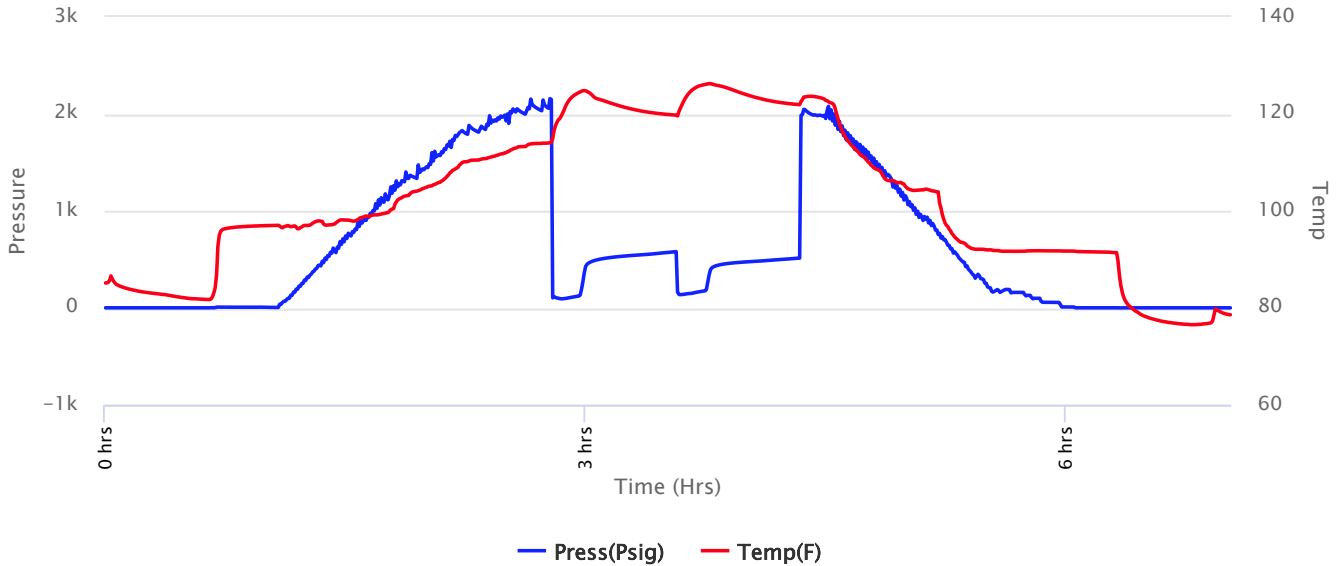
DATE
 June
21
 2022

DST #1 **Formation: Ft. Scott** **Test Interval: 4262 - 4316'** **Total Depth: 4316'**
 Time On: 01:32 06/21 Time Off: 08:20 06/21
 Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

Electronic Volume Estimate:
 N/A

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 10	Minutes: 30	Minutes: 10	Minutes: 30
Current Reading: 178" at 10 min	Current Reading: 70" at 30 min	Current Reading: 117" at 10 min	Current Reading: 90" at 30 min
Max Reading: 178"	Max Reading: 70"	Max Reading: 117"	Max Reading: 90"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2363 GL
 Field Name: Chrif East
 Pool: WILDCAT
 Job Number: 579
 API #: 15-135-26176

Operation:
 Uploading recovery & pressures

DATE
 June
21
 2022

DST #1 **Formation: Ft. Scott** **Test Interval: 4262 - 4316'** **Total Depth: 4316'**
 Time On: 01:32 06/21 Time Off: 08:20 06/21
 Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

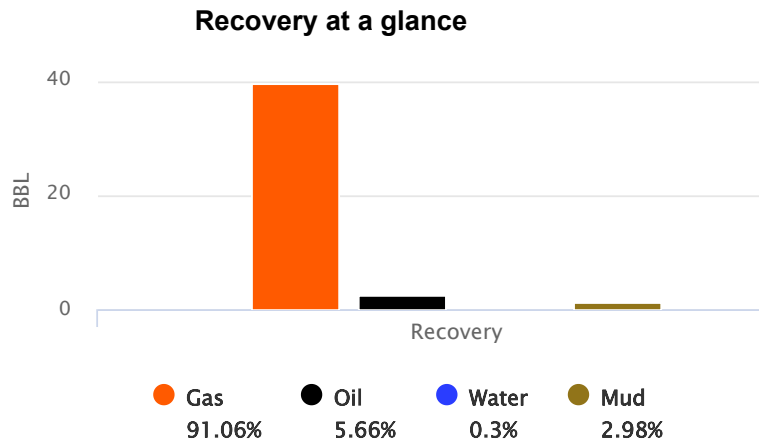
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3789	38.87514	G	100	0	0	0
63	0.64638	O	0	100	0	0
252	2.58552	SLGCMCO	15	65	0	20
126	1.29276	SLWCSLOGGCM	20	10	10	60

Total Recovered: 4230 ft
 Total Barrels Recovered: 43.3998

Reversed Out
 NO

Initial Hydrostatic Pressure	2058	PSI
Initial Flow	103 to 130	PSI
Initial Closed in Pressure	580	PSI
Final Flow Pressure	136 to 175	PSI
Final Closed in Pressure	513	PSI
Final Hydrostatic Pressure	2048	PSI
Temperature	127	°F
Pressure Change Initial Close / Final Close	11.6	%



GIP cubic foot volume: 221.89357



**Company: Palomino Petroleum,
Inc.**

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery &
pressures

DATE
June
21
2022

DST #1 Formation: Ft. Scott Test Interval: 4262 - Total Depth: 4316'
4316'
Time On: 01:32 06/21 Time Off: 08:20 06/21
Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

BUCKET MEASUREMENT:

1st Open: 1" Blow. BOB in 12 minutes
1st Close: BBBB
2nd Open: 1" Blow. BOB in 2 minutes
2nd Close: BBBB

REMARKS:

Tool Sample: 10% Gas 10% Oil 0% Water 80% Mud
Gravity: 41.4 @ 60 °F



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #1 Formation: Ft. Scott Test Interval: 4262 - 4316' Total Depth: 4316'
Time On: 01:32 06/21 Time Off: 08:20 06/21
Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

Down Hole Makeup

Heads Up: 24.95 FT	Packer 1: 4257 FT
Drill Pipe: 4254.38 FT <i>ID-3 1/4</i>	Packer 2: 4262 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4246.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4299 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: 54	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 18 FT <i>4 1/2-FH</i>	



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #1 Formation: Ft. Scott Test Interval: 4262 - 4316' Total Depth: 4316'
Time On: 01:32 06/21 Time Off: 08:20 06/21
Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

Mud Properties

Mud Type: Chem **Weight:** 9.1 **Viscosity:** 48 **Filtrate:** 8.8 **Chlorides:** 4000 ppm



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #1 Formation: Ft. Scott Test Interval: 4262 - 4316' Total Depth: 4316'
Time On: 01:32 06/21 Time Off: 08:20 06/21
Time On Bottom: 04:12 06/21 Time Off Bottom: 05:32 06/21

Gas Volume Report

Remarks: Gas at surface in 10 minutes on final flow.

1st Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

2nd Open

Time	Orifice	PSI	MCF/D
10	0.0625	Too weak to measure	Weak

MCF/D



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

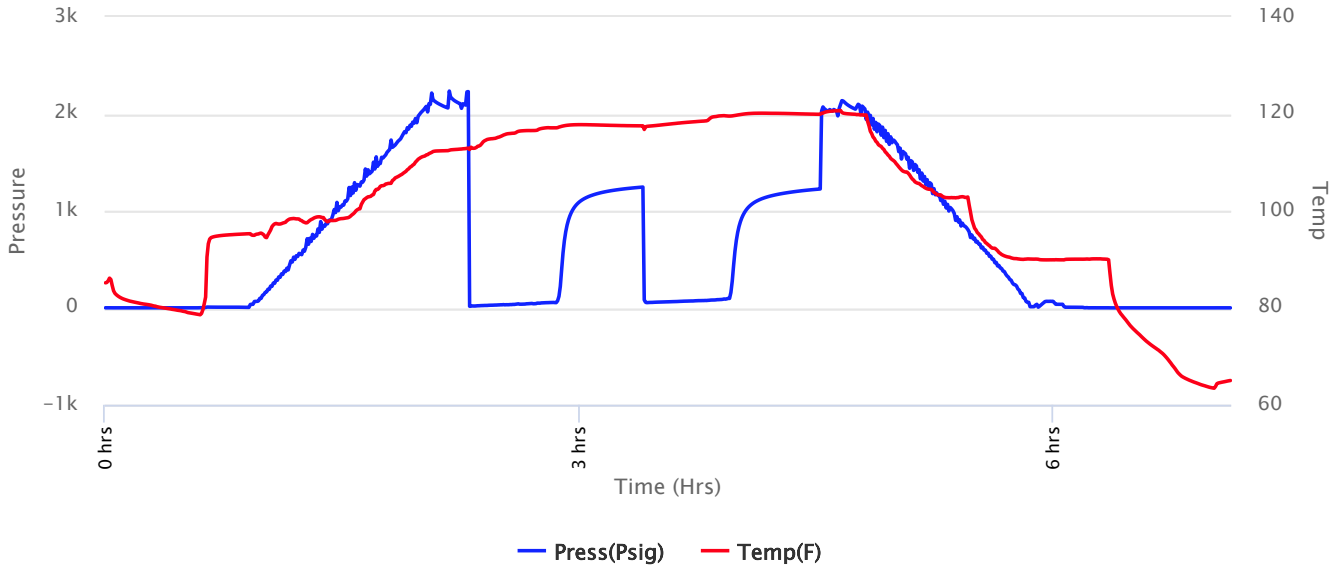
DATE
June
21
2022

DST #2 **Formation: Miss** **Test Interval: 4350 - 4404'** **Total Depth: 4404'**
Time On: 20:35 06/21 Time Off: 03:30 06/22
Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

Electronic Volume Estimate:
293'

<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: 13.2" at 30 min	Current Reading: .1" at 30 min	Current Reading: 12" at 30 min	Current Reading: .25" at 30 min
Max Reading: 13.2"	Max Reading: .1"	Max Reading: 12"	Max Reading: .25"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2363 GL
 Field Name: Chrif East
 Pool: WILDCAT
 Job Number: 579
 API #: 15-135-26176

Operation:
 Uploading recovery & pressures

DATE
 June
21
 2022

DST #2 **Formation: Miss** **Test Interval: 4350 - 4404'** **Total Depth: 4404'**
 Time On: 20:35 06/21 Time Off: 03:30 06/22
 Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

Recovered

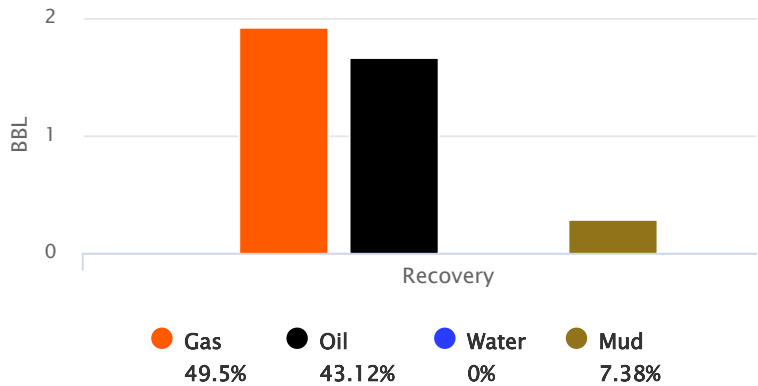
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
184	1.88784	G	100	0	0	0
163	1.67238	O	0	100	0	0
31	0.31806	SLGCM	10	0	0	90

Total Recovered: 378 ft
 Total Barrels Recovered: 3.87828

Reversed Out
 NO

Initial Hydrostatic Pressure	2062	PSI
Initial Flow	16 to 56	PSI
Initial Closed in Pressure	1246	PSI
Final Flow Pressure	57 to 97	PSI
Final Closed in Pressure	1226	PSI
Final Hydrostatic Pressure	2062	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	1.6	%

Recovery at a glance



GIP cubic foot volume: 10.77785



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #2 Formation: Miss Test Interval: 4350 - 4404' Total Depth: 4404'
Time On: 20:35 06/21 Time Off: 03:30 06/22
Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

BUCKET MEASUREMENT:

1st Open: 1/2" Blow. BOB in 27 minutes
1st Close: Weak Blow Back
2nd Open: WSB. BOB in 30 minutes
2nd Close: 1/4" Blow Back

REMARKS:

Tool Sample: 10% Gas 30% Oil 0% Water 60% Mud
Gravity: 37.2 @ 60 °F



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #2 **Formation: Miss** **Test Interval: 4350 - 4404'** **Total Depth: 4404'**
Time On: 20:35 06/21 Time Off: 03:30 06/22
Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

Down Hole Makeup

Heads Up: 30.77 FT	Packer 1: 4345 FT
Drill Pipe: 4348.2 FT <i>ID-3 1/4</i>	Packer 2: 4350 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4334.42 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4387 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: 54	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 2 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 31.5 FT <i>ID-3 1/4</i>	
Change Over: .5 FT	
Perforations: (below): 18 FT <i>4 1/2-FH</i>	



**Company: Palomino Petroleum,
Inc.**

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling &
Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery &
pressures

DATE
June
21
2022

DST #2 Formation: Miss Test Interval: 4350 - Total Depth: 4404'
4404'
Time On: 20:35 06/21 Time Off: 03:30 06/22
Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

Mud Properties

Mud Type: Chem **Weight:** 8.9 **Viscosity:** 52 **Filtrate:** 9.6 **Chlorides:** 5300 ppm



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Uploading recovery & pressures

DATE
June
21
2022

DST #2 Formation: Miss Test Interval: 4350 - 4404' Total Depth: 4404'
Time On: 20:35 06/21 Time Off: 03:30 06/22
Time On Bottom: 22:49 06/21 Time Off Bottom: 00:49 06/22

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Test Complete

DATE
June
22
2022

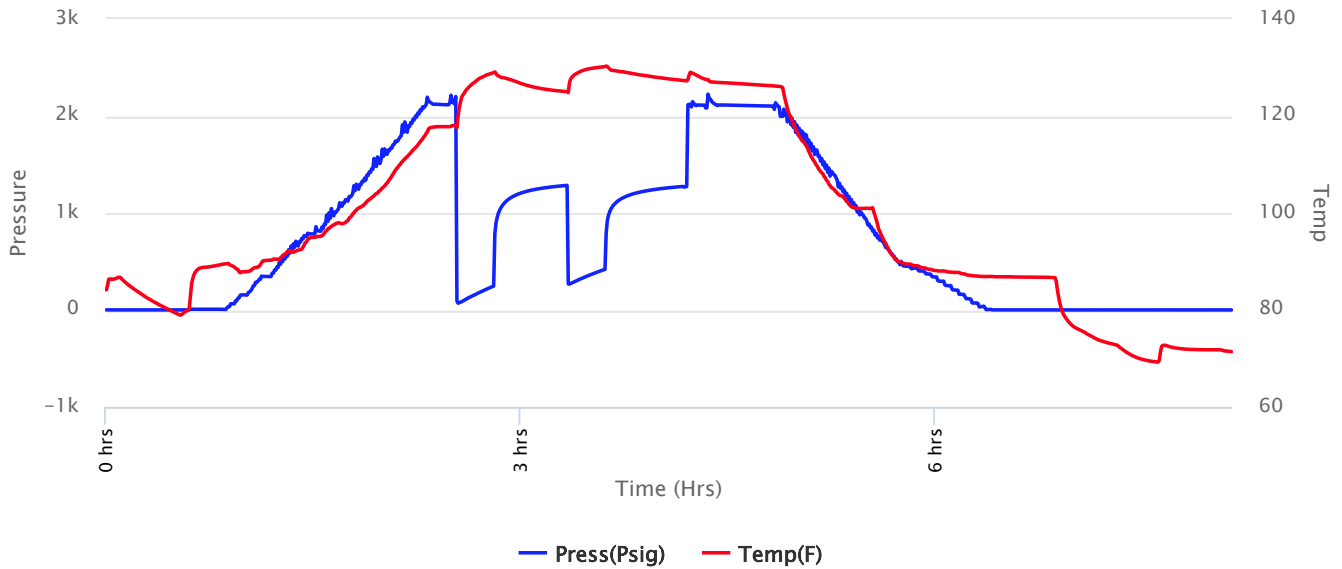
DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**

Time On: 18:38 06/22 Time Off: 02:32 06/23
Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

Electronic Volume Estimate:
997'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 15	Minutes: 30	Minutes: 15	Minutes: 30
Current Reading: 48.2" at 15 min	Current Reading: .1" at 30 min	Current Reading: 42" at 15 min	Current Reading: .1" at 30 min
Max Reading: 48.2"	Max Reading: .1"	Max Reading: 42"	Max Reading: .1"

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2363 GL
 Field Name: Chrif East
 Pool: WILDCAT
 Job Number: 579
 API #: 15-135-26176

Operation:
 Test Complete

DATE
 June
22
 2022

DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**
 Time On: 18:38 06/22 Time Off: 02:32 06/23
 Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

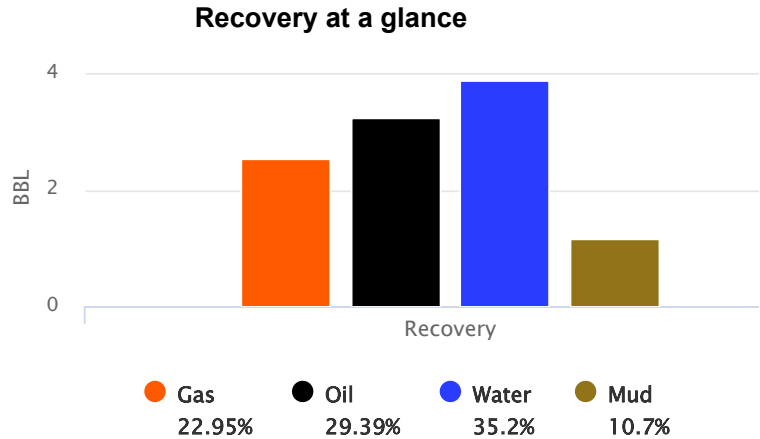
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
174	1.78524	G	100	0	0	0
47	0.48222	O	0	100	0	0
283	2.90358	SLGCSLWCSLMCO	12	57	15	16
189	1.93914	SLWCGCOCM	20	25	15	30
126	1.29276	SLMCHOCW	0	45	45	10
252	2.58552	SLOCW	0	1	99	0

Total Recovered: 1071 ft
 Total Barrels Recovered: 10.98846

Reversed Out
 NO

Initial Hydrostatic Pressure	2116	PSI
Initial Flow	70 to 246	PSI
Initial Closed in Pressure	1285	PSI
Final Flow Pressure	268 to 418	PSI
Final Closed in Pressure	1274	PSI
Final Hydrostatic Pressure	2113	PSI
Temperature	131	°F
Pressure Change Initial Close / Final Close	0.9	%



GIP cubic foot volume: 14.15695



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Test Complete

DATE
June
22
2022

DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**
Time On: 18:38 06/22 Time Off: 02:32 06/23
Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

BUCKET MEASUREMENT:

1st Open: 1" Blow. BOB in 2 1/4 minutes
1st Close: Weak Blow Back
2nd Open: 1" Blow. BOB in 3 3/4 minutes
2nd Close: Weak Blow Back

REMARKS:

Below Straddle Recorder: 1419 PSI: Bottom Packer Held

Tool Sample: 0% Gas 15% Oil 0% Water 85% Mud

Gravity: 37.2 @ 60 °F

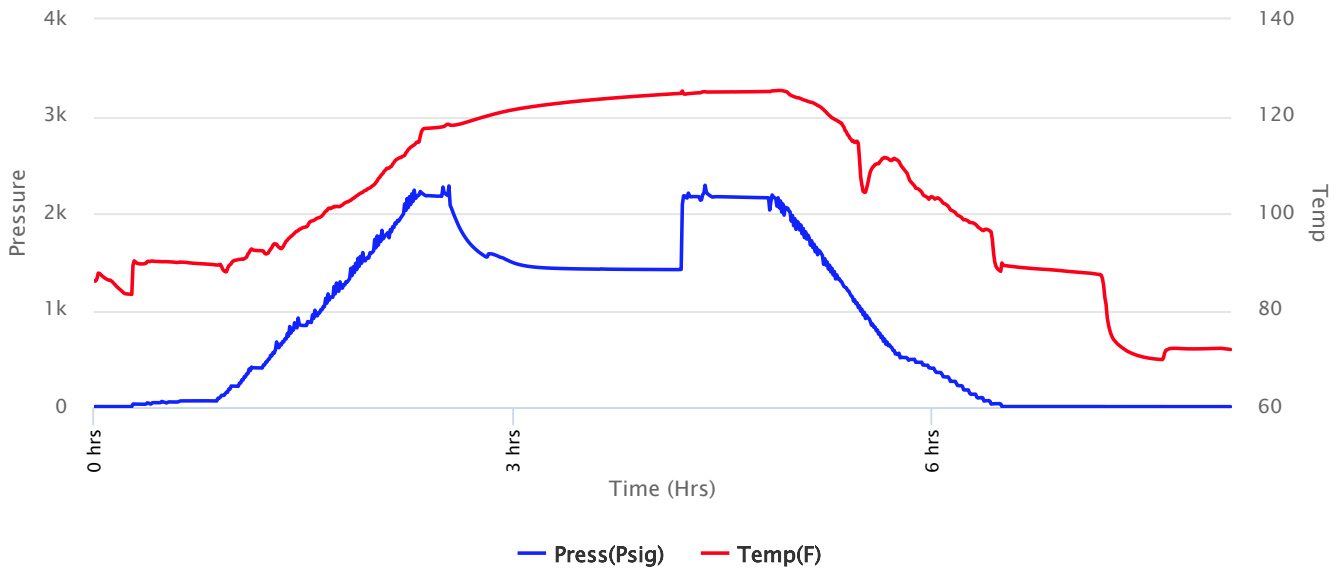
Ph: 7

Measured RW: .68 @ 72 degrees °F

RW at Formation Temp: 0.389 @ 131 °F

Chlorides: 200000 ppm

Below Straddle Recorder





Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Test Complete

DATE
June
22
2022

DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**
Time On: 18:38 06/22 Time Off: 02:32 06/23
Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

Down Hole Makeup

Heads Up: 12.77 FT	Packer 1: 4394 FT
Drill Pipe: 4379.2 FT <i>ID-3 1/4</i>	Packer 2: 4399 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Packer 3: 4431 FT
Collars: 0 FT <i>ID-2 1/4</i>	Top Recorder: 4383.42 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Bottom Recorder: 4403 FT
	Below Straddle Recorder: 4497 FT
	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 32

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: FT

Drill Pipe: (in anchor): FT
ID-3 1/4

Change Over: FT

Perforations: (below): 29 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: .5 FT

Drill Pipe: 62.97 FT
ID-3 1/2"

Change Over: .5 FT

Perforations (in tail pipe): 8 FT
4 1/2-FH



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Test Complete

DATE
June
22
2022

DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**
Time On: 18:38 06/22 Time Off: 02:32 06/23
Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

Mud Properties

Mud Type: Chem **Weight:** 9.1 **Viscosity:** 50 **Filtrate:** 9.2 **Chlorides:** 4400 ppm



Company: Palomino Petroleum, Inc.

Lease: Thunderball #1

SEC: 14 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2363 GL
Field Name: Chrif East
Pool: WILDCAT
Job Number: 579
API #: 15-135-26176

Operation:
Test Complete

DATE
June
22
2022

DST #3 **Formation: Miss** **Test Interval: 4399 - 4431'** **Total Depth: 4504'**
Time On: 18:38 06/22 Time Off: 02:32 06/23
Time On Bottom: 21:06 06/22 Time Off Bottom: 22:36 06/22

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------