

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) (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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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: 6/26/2022
 Invoice #: 0361564
 Lease Name: Spaceman
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2991
 District: Pratt

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	100.000	1.920	192.00
Heavy Eq Mileage	200.000	3.840	768.00
Ton Mileage	1,060.000	1.440	1,526.40
Cement Blending & Mixing	225.000	1.344	302.40
Depth Charge 0'-500'	1.000	960.000	960.00
Cement Data Acquisition	1.000	240.000	240.00
Service Supervisor	1.000	275.000	275.00

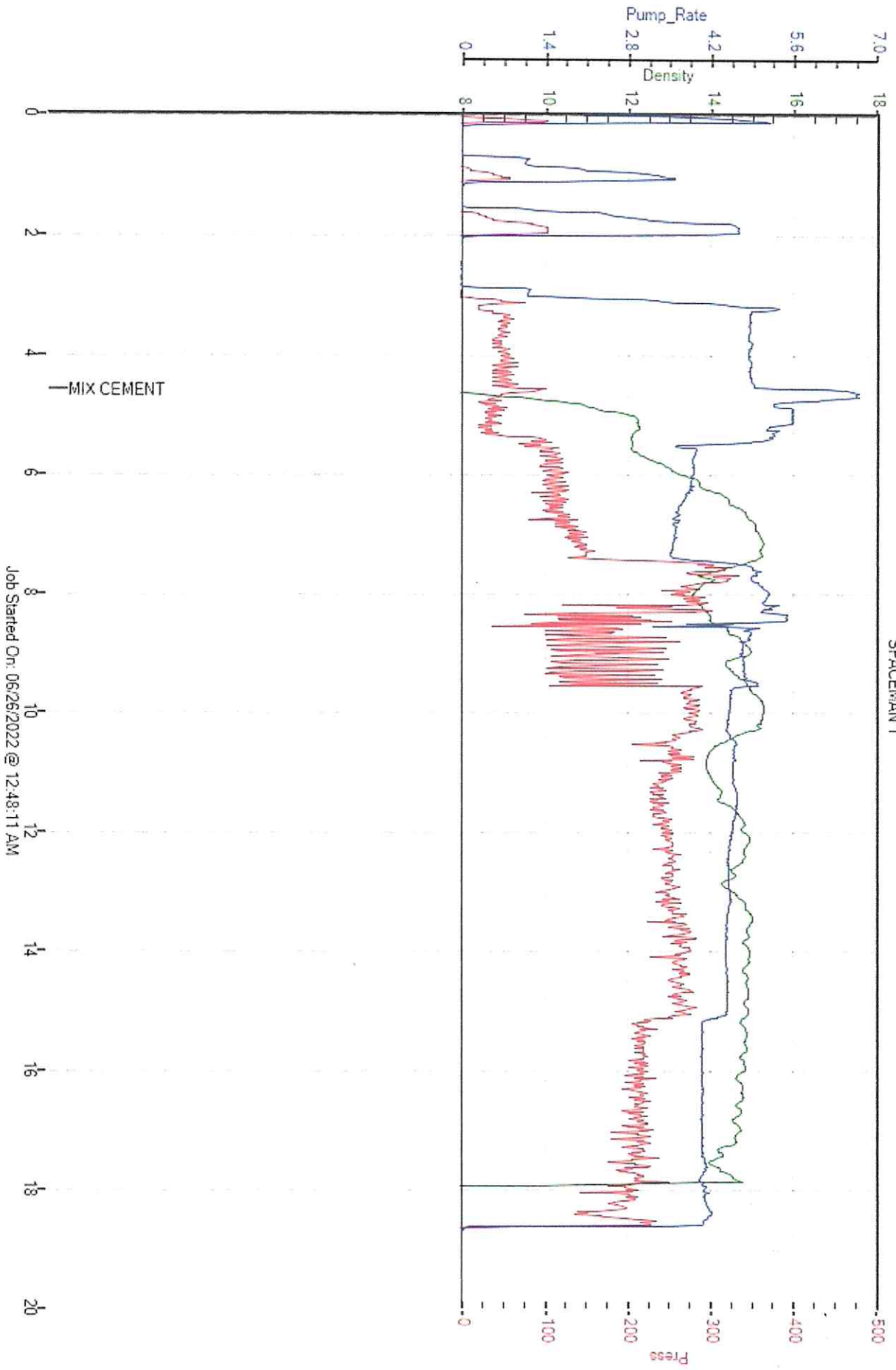
Total 9,123.80

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!

PALIMINO PETROLEUM
SPACEMAN 1



SWIFT



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

Invoice

DATE	INVOICE #
7/4/2022	34664

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



- Acidizing
- Cement
- Tool Rental



TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Space Man	Ness	L.D Drilling	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	7.00	175.00
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
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
409-5	5 1/2" Turbolizer				10	Each	100.00	1,000.00T
403-5	5 1/2" Cement Basket				1	Each	300.00	300.00T
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				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				350	Ton Miles	1.00	350.00
	Subtotal							13,038.50
	Sales Tax Ness County						6.50%	680.13
We Appreciate Your Business!						Total		\$13,718.63



CHARGE TO: Palomino Petroleum
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 34664
 PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Space man</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>7-9-22</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W. D. Drilling</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>5 1/2" horizontal</u>	WELL LOCATION <u>8-N-2-E, 14-N-1, e-info</u>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		UM	UM		
575		1			MILEAGE Truck 114	25	mi	7.00	175.00
578		1			pump charge (PC)	1	job	1600.00	1600.00
404		1			Port collar	1	Eq	2500.00	2500.00
406		1			latch Down plug & Beagle	1	Eq	250.00	250.00
407		1			Tasect Elbow shoe w/ Auto D11	1	Eq	350.00	350.00
409		1			Turbolizer	10	Eq	100.00	1000.00
403		1			CMS Basket	1	Eq	300.00	300.00

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 X [Signature]
 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	#
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				42	6863.50
WE UNDERSTOOD AND MET YOUR NEEDS?				130	38.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	13718.03
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR Patrick Moore APPROVAL _____
 Thank You!



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

TICKET CONTINUATION

TICKET No. 34664

CUSTOMER Palomares Petroleum

WELL Spaceman #1

DATE 7-4-22

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT			QTY.	UM	QTY.	UM		
325		1			STD Cement	100	SKS			15.00	1500.00
284		1			Calseal	5	SKS			50.00	250.00
283		1			Salt	500	lbs			.25	125.00
285		1			CFR-1	50	lbs			6.00	300.00
276		1			Fluoride	75	lbs			3.00	225.00
330		1			SMP Cement	125	SKS			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	3	gal			42.00	126.00
581		1								2.00	450.00
582		1								350.00	350.00

SERVICE CHARGE
MILEAGE TOTAL WEIGHT CHARGE 23,000
LOADED MILES 25

CUBIC FEET 225
TON MILES 287.5 (min)

CONTINUATION TOTAL 6863.50

JOB LOG

SWIFT Services, Inc.

DATE 7-4-22 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomares Petroleum		#1		Space man		Long String 5 1/2"		34664	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2:30								ON location 5 1/2" 14# TD 4549' Shear Jt 42.37' PC #64 1816' Basket ph #64 Turbo lizers 1,2,3,4, 115, 5, 6, 7, 8, 65
	6:30 9:00								Start 5 1/2" 14 16/FT Csg in well Drop Ball Circulate
	11:40	4 4	12 20		✓ ✓			150 Pump 500 gal Mud Flush 150 Pump 200 BBL KCL Spacer	
	11:50	3	11.5 9.5		✓			Plug BH (30 SKS)	
	12:00	4 3	9.5 28		✓ ✓			200 mix 5KS of SMD @ 12.5 ppq 200 mix 100 SKS of EAD @ 15.36 ppq	
	12:25							Wash out pump lines drop latch down plug	
	12:30	6 6 4	0 74 109		✓ ✓ ✓			100 Start displacement 200 Lift pressure 1600 max lift	
	12:50		110		✓			1700 Land plug - Release psi	
	13:00							Wash truck	
	13:30							Job Complete Thanks! Preston, Kirby, John	
								125 SKS SMD (RH-30) 100 SKS Ea 2	



Company: Palomino Petroleum, Inc.

Lease: Spaceman #1

SEC: 26 TWN: 17S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2523 GL
Field Name: Aldrich NE
Pool: Infield
Job Number: 590
API #: 15-135-26181

Operation:
Uploading recovery & pressures

DATE
July
02
2022

DST #1 Formation: Ft. Scott Test Interval: 4325 - 4375' Total Depth: 4375'

Time On: 01:31 07/02 Time Off: 08:20 07/02
Time On Bottom: 04:07 07/02 Time Off Bottom: 06:07 07/02

Electronic Volume Estimate:
0'

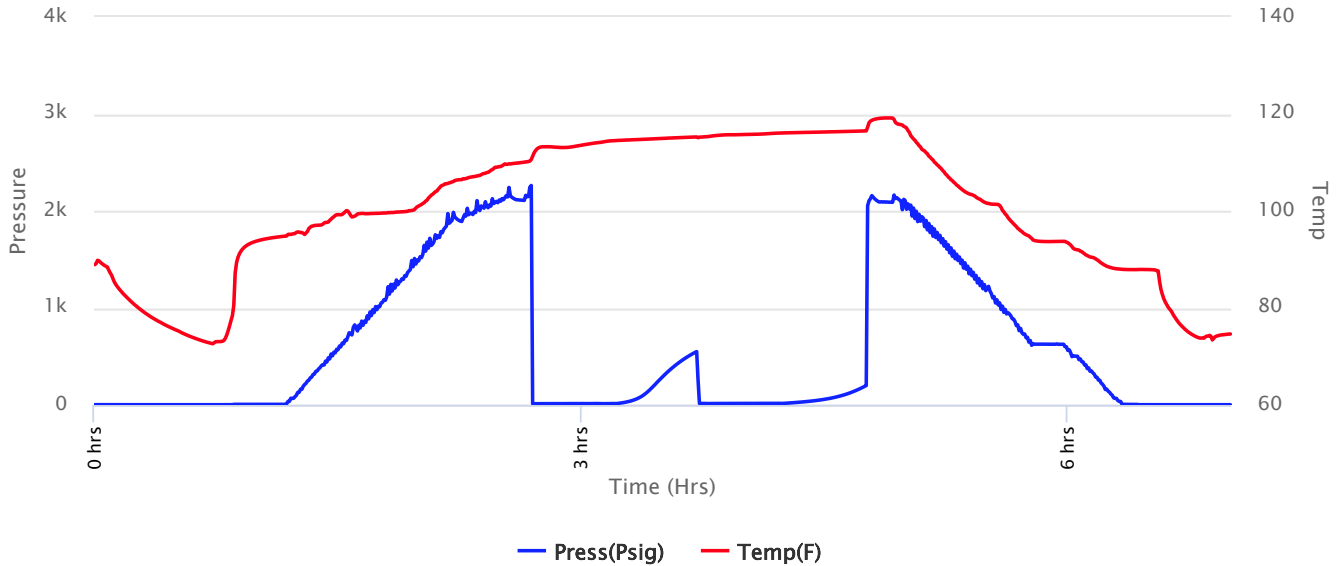
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

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: Spaceman #1

SEC: 26 TWN: 17S RNG: 25W
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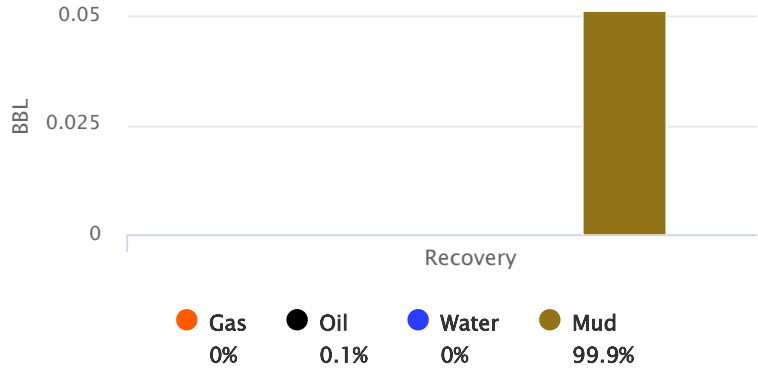
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.0513	M (trace O)	0	.1	0	99.9

Total Recovered: 5 ft
 Total Barrels Recovered: 0.0513

Reversed Out
 NO

Recovery at a glance



Initial Hydrostatic Pressure	2149	PSI
Initial Flow	11 to 14	PSI
Initial Closed in Pressure	549	PSI
Final Flow Pressure	14 to 15	PSI
Final Closed in Pressure	199	PSI
Final Hydrostatic Pressure	2142	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	63.8	%

GIP cubic foot volume: 0



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Exploration, LLC - Rig 1
Elevation: 2523 GL
Field Name: Aldrich NE
Pool: Infield
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API #: 15-135-26181

Operation:
Uploading recovery &
pressures

DATE
July
02
2022

DST #1 Formation: Ft. Scott Test Interval: 4325 - Total Depth: 4375'
4375'
Time On: 01:31 07/02 Time Off: 08:20 07/02
Time On Bottom: 04:07 07/02 Time Off Bottom: 06:07 07/02

BUCKET MEASUREMENT:

1st Open: Surface blow throughout period
1st Close: No BB
2nd Open: Weak surface blow throughout period
2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



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Elevation: 2523 GL
Field Name: Aldrich NE
Pool: Infield
Job Number: 590
API #: 15-135-26181

Operation:
Uploading recovery & pressures

DATE
July
02
2022

DST #1 **Formation: Ft. Scott** **Test Interval: 4325 - 4375'** **Total Depth: 4375'**
Time On: 01:31 07/02 Time Off: 08:20 07/02
Time On Bottom: 04:07 07/02 Time Off Bottom: 06:07 07/02

Down Hole Makeup

Heads Up: 25.53 FT	Packer 1: 4320.28 FT
Drill Pipe: 4318.24 FT <i>ID-3 1/4</i>	Packer 2: 4325.28 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4309.7 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4363 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: 49.72	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): 31.72 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



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2022

DST #1 Formation: Ft. Scott Test Interval: 4325 - Total Depth: 4375'
4375'

Time On: 01:31 07/02 Time Off: 08:20 07/02
Time On Bottom: 04:07 07/02 Time Off Bottom: 06:07 07/02

Mud Properties

Mud Type: Chemical **Weight:** 9.1 **Viscosity:** 42 **Filtrate:** 8.0 **Chlorides:** 5,000 ppm



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Operation:
Uploading recovery & pressures

DATE
July
02
2022

DST #1 Formation: Ft. Scott Test Interval: 4325 - 4375' Total Depth: 4375'
Time On: 01:31 07/02 Time Off: 08:20 07/02
Time On Bottom: 04:07 07/02 Time Off Bottom: 06:07 07/02

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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County: NESS
State: Kansas
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Elevation: 2523 GL
Field Name: Aldrich NE
Pool: Infield
Job Number: 590
API #: 15-135-26181

Operation:
Uploading recovery & pressures

DATE
July
02
2022

DST #2 **Formation: Mississippian** **Test Interval: 4408 - 4458'** **Total Depth: 4458'**
Time On: 20:18 07/02 Time Off: 03:15 07/03
Time On Bottom: 22:53 07/02 Time Off Bottom: 00:53 07/03

Electronic Volume Estimate:
380'

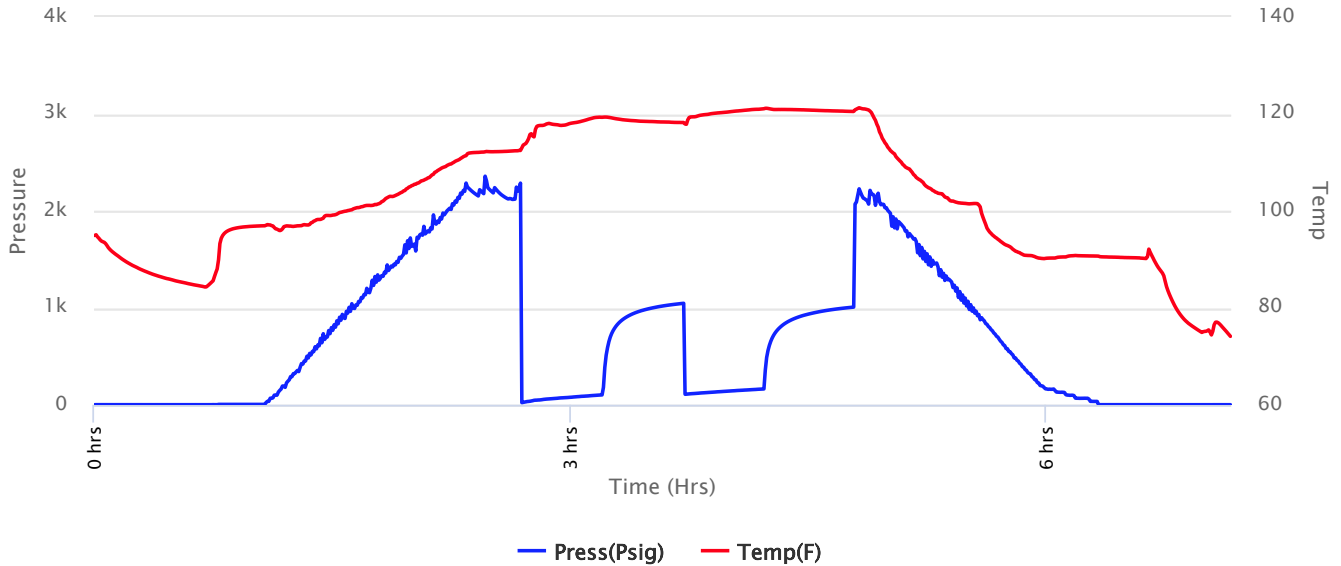
1st Open
Minutes: 30
Current Reading:
18.6" at 30 min
Max Reading: 18.6"

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

2nd Open
Minutes: 30
Current Reading:
14.3" at 30 min
Max Reading: 14.3"

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

Inside Recorder





Company: Palomino Petroleum, Inc.

Lease: Spaceman #1

SEC: 26 TWN: 17S RNG: 25W
 County: NESS
 State: Kansas
 Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
 Elevation: 2523 GL
 Field Name: Aldrich NE
 Pool: Infield
 Job Number: 590
 API #: 15-135-26181

Operation:
 Uploading recovery & pressures

DATE
 July
02
 2022

DST #2 **Formation: Mississippian** **Test Interval: 4408 - 4458'** **Total Depth: 4458'**
 Time On: 20:18 07/02 Time Off: 03:15 07/03
 Time On Bottom: 22:53 07/02 Time Off Bottom: 00:53 07/03

Recovered

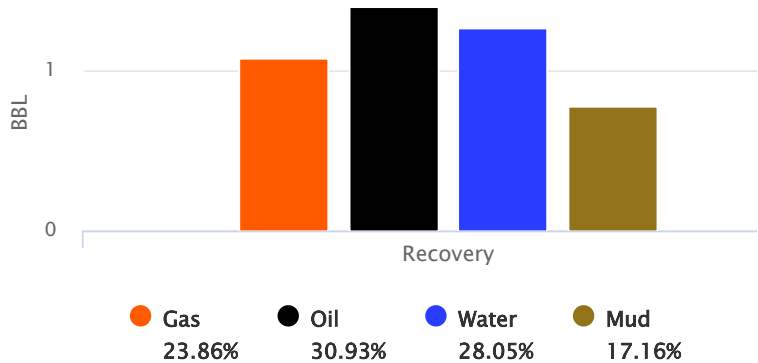
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
85	0.8721	G	100	0	0	0
80	0.8208	SLGCO	2	98	0	0
85	0.8721	SLGCWCMCO	6	50	20	24
190	1.9494	SLGCSLOCMCW	7	8	56	29

Total Recovered: 440 ft
 Total Barrels Recovered: 4.5144

Reversed Out
 NO

Initial Hydrostatic Pressure	2203	PSI
Initial Flow	23 to 102	PSI
Initial Closed in Pressure	1047	PSI
Final Flow Pressure	109 to 164	PSI
Final Closed in Pressure	1008	PSI
Final Hydrostatic Pressure	2193	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	3.7	%

Recovery at a glance



GIP cubic foot volume: 6.0485



Company: Palomino Petroleum, Inc.

Lease: Spaceman #1

SEC: 26 TWN: 17S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: L. D. Drilling & Exploration, LLC - Rig 1
Elevation: 2523 GL
Field Name: Aldrich NE
Pool: Infield
Job Number: 590
API #: 15-135-26181

Operation:
Uploading recovery & pressures

DATE
July
02
2022

DST #2 **Formation: Mississippian** **Test Interval: 4408 - 4458'** **Total Depth: 4458'**
Time On: 20:18 07/02 Time Off: 03:15 07/03
Time On Bottom: 22:53 07/02 Time Off Bottom: 00:53 07/03

BUCKET MEASUREMENT:

1st Open: 1/2" blow building to BOB 18 1/2 min.
1st Close: No BB
2nd Open: 1/4" blow building to BOB 25 min.
2nd Close: Weak surface BB

REMARKS:

Tool Sample: 12% Gas 15% Oil 60% Water 13% Mud
Gravity: 36.9 @ 60 °F
Ph: 7.5
Measured RW: .51 @ 72 degrees °F
RW at Formation Temp: 0.312 @ 122 °F
Chlorides: 10,000 ppm



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Down Hole Makeup

Heads Up: 5.28000000000004 FT	Packer 1: 4403.23 FT
Drill Pipe: 4380.94 FT <i>ID-3 1/4</i>	Packer 2: 4408.23 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4392.65 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4446 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: 49.77	Surface Choke: 1"
<u>Anchor Makeup</u>	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): 31.77 FT <i>ID-3 1/4</i>	
Change Over: 1 FT	
Perforations: (below): 13 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.0 **Viscosity:** 50 **Filtrate:** 7.8 **Chlorides:** 5,100 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D