

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>

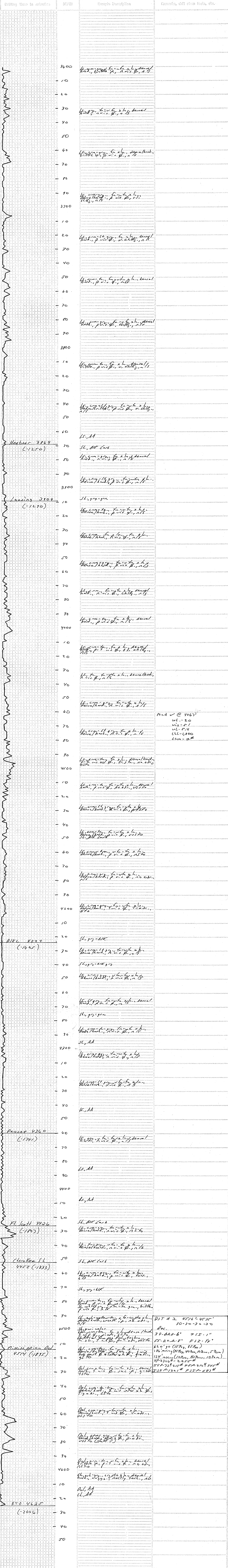
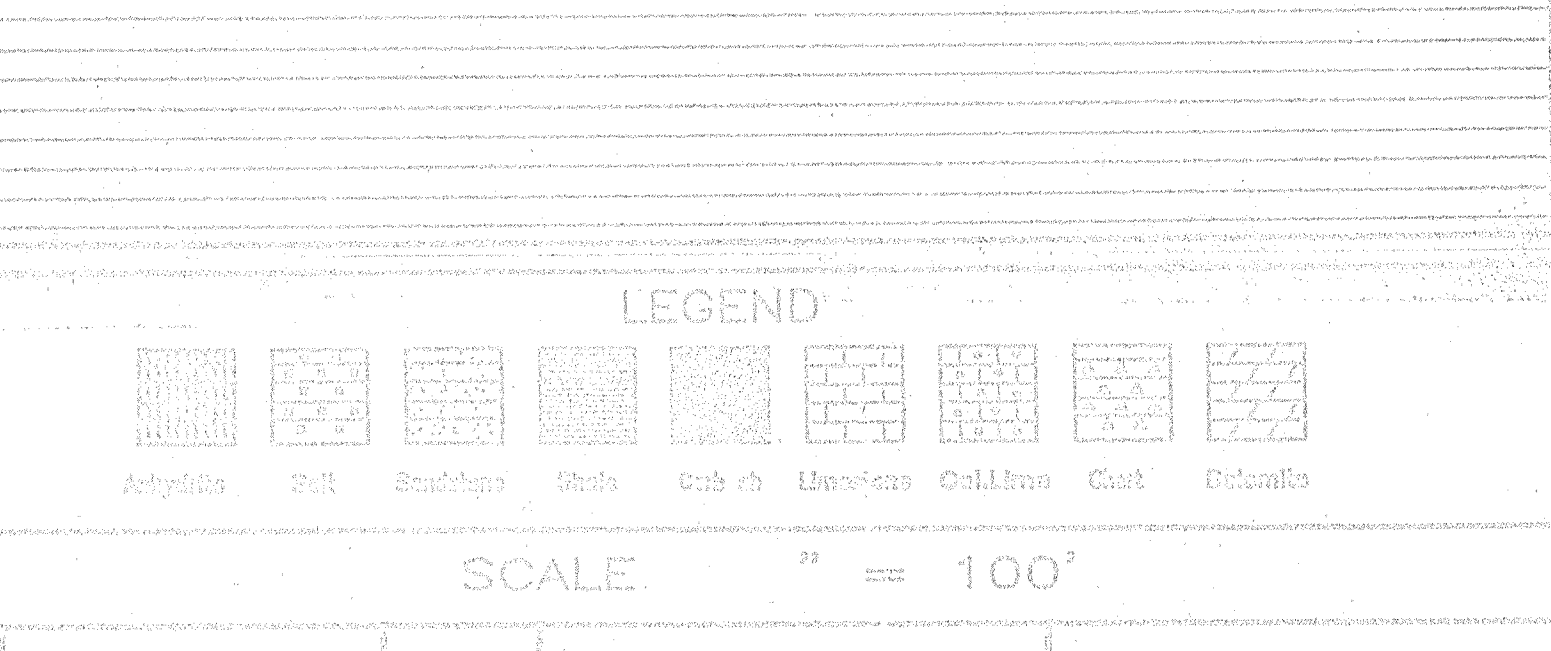
TUBING RECORD:	Size:	Set At:	Packer At:	
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Office: Topeka, Kansas
 Phone: (785) 793-5393
 Address: 2611
 City: Lawrence, KS
 State: KS
 Zip: 66044

Client: All Along the Water Tower #2
 Location: 420 FSL & 1704' FWL
 Section: 2
 Township: 16S
 Range: 26E
 County: Ness
 State: KS

Well Name: 420 FSL
 Date: 11/11/11
 Well Type: Oil
 Completion: 2/12/12
 Depth: 3600'
 Production: 5.12 bbl/d
 Formation: 209'

Operator: 2099 (L-209)
 Lease: 3869 (L-1250)
 Well: 420 FSL
 Completion: 2/12/12
 Production: 5.12 bbl/d



Mud @ 4067'
 wt - 9.0
 vis - 5.1
 ul - 1,800
 cm - 2"

DST # 2 4514-4535'
 30-30-30-30
 Rec.
 FF-0.0-6" FSI-1"
 FF-0.0-8" FSI-14"
 620' 90 (1570, 1580)
 186' 100 (1570, 4020, 1020, 1520)
 124' 100 (1070, 1070, 1070)
 110-2316# - 2255#
 ISIP-732215# FSI-211# 215#
 ISIP-1221# FSI-1127#



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: 2/16/2022
 Invoice #: 0358907
 Lease Name: All Along the Watchtower
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2424
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	18.400	3,680.00
Light Eq Mileage	75.000	1.840	138.00
Heavy Eq Mileage	75.000	3.680	276.00
Ton Mileage	705.000	1.380	972.90
Depth Charge 0'-500'	1.000	920.000	920.00
Cement Blending & Mixing	200.000	1.288	257.60

Total 6,244.50

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!



Customer	Palomino Petroleum	Lease & Well #	All along the watchtower # 1		Date	2/16/2022	
Service District	Oakley KS	County & State	Ness KS	Legals S/T/R	2-16S-26W	Job #	
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #	WP-2424

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures				
78	Jesse J	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging	
230	Michael R	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection	
194/235	Jose V	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations	
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations	
		<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below		

Comments

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	200.00	\$3,680.00
M015	Light Equipment Mileage	mi	75.00	\$138.00
M010	Heavy Equipment Mileage	mi	75.00	\$276.00
M020	Ton Mileage	tn	705.00	\$972.90
D010	Depth Charge: 0'-500'	job	1.00	\$920.00
C060	Cement Blending & Mixing Service	sack	200.00	\$257.60

Customer Section: On the following scale how would you rate Hurricane Services Inc.?					Net: \$6,244.50
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Total Taxable	\$ -	Tax Rate:	
		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax:	\$ -
				Total:	\$ 6,244.50
HSI Representative: <i>Jesse Jones</i>					

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: Palomino Petroleum	Well: All along the watchtower # 1	Ticket: WP-2424
City, State: Oakley KS	County: Ness KS	Date: 2/16/2022
Field Rep: Deon	S-T-R: 2-16S-26W	Service: Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	210 ft
Casing Size:	8 5/8 in
Casing Depth:	210 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	12.1 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
10:35p			-	-	Arrival
10:35p				-	Safety meeting
10:40p				-	Rig up
12:40a				-	Circulate hole
12:47a	4.7	130.0	5.0	5.0	H2O ahead
12:49a	5.5	270.0	50.2	55.2	Mix 200 sks @ 14.8 ppg @ 210'
12:54a	3.8	180.0	12.1	67.3	Displace H2O
1:00a				67.3	Plug down
1:03a				67.3	Wash up
1:10a				67.3	Rig down
1:30a				67.3	Depart location
					Circulated 5 bbl back to pit

CREW		UNIT	SUMMARY		
Cementer:	Jesse J	78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael R	230	4.7 bpm	193 psi	67 bbls
Bulk #1:	Jose V	194/235			
Bulk #2:					



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



Invoice

DATE	INVOICE #
2/22/2022	34258

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

RECEIVED
MAR 03 2022
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	All along the ...	Ness	Duke #2	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	6.00	210.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				12	Each	90.00	1,080.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.00	2,250.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				393	Ton Miles	1.00	393.00
	Subtotal							12,459.00
	Sales Tax Ness County						6.50%	637.39
We Appreciate Your Business!							Total	\$13,096.39

*Cement for long string for #1
2/22*





CHARGE TO: Palomio Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 34258

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>All Along the water tank</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>2-22-22</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke</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>Long string 5 1/2"</u>				WELL LOCATION <u>3 N, 14 E, Ninto</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			U/M	U/M	U/M		
575							35	mi		6.00	210.00
578							1	5lb		1500.00	1500.00
404							1	ea	5 1/2 in	2500.00	2500.00
403							1	ea	5 1/2 in	275.00	275.00
406							1	ea	5 1/2 in	250.00	250.00
407							1	ea	5 1/2 in	325.00	325.00
409							12	ea	5 1/2 in	90.00	1080.00

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 AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

DATE SIGNED 2-22-22 TIME SIGNED 2:10 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 #1	6140.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	6319.00
WE UNDERSTOOD AND MET YOUR NEEDS?					12459.00
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	13096.89

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

SWIFT OPERATOR Paula Reed

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 34258

CUSTOMER: *Palmer's*
WELL #1 *At Home*
watch tower
DATE: 2-22-22 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
325						STD CMT	100	SKS			14.50	1450.00
284						Cal Seal	5	SKS			40.00	200.00
283						Salt	500	lbs			.25	125.00
285						FER-1	50	lbs			5.00	250.00
276						Floccle	75	lbs			3.00	225.00
330						SMD CMT	125	SKS			18.00	2250.00
281						Mud Flush	500	gal			1.50	750.00
221						Liquid KCL	4	gal			25.00	100.00
290						D-Air	3	gal			42.00	126.00
581						Service Charge CMT						
581						Service Charge CMT					2.00	450.00
583						MILEAGE CHARGE	22	433	115	35	1.00	393.00

CONTINUATION TOTAL 6319.00

JOB LOG

SWIFT Services, Inc.

DATE 2-22-22 PAGE NO. 1
TICKET NO. 34258

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS
Palomino		#1		All Along the Watch Tower		long string 5 1/2"		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		
				T	C	TUBING	CASING	
	15:30							ON location 5 1/2 14 lbs
								TP 4648
								PC 2073 #63 ^{TOP} Basket # 42 ⁴³ Bottom
								Turbos 4,3,4,5,6,7,8,9,10,11, 64
								Shoe 42 '
	16:20							start pipe
	18:45							drop ball & circulate
	20:10	4	12		✓	200		mud flush
	20:15	4	20		✓	200		1KC1 spacer
	20:20		19					RH & MH plugged (30SK + 20SK)
	20:30	4	29		✓	200		start down hole with SMD mix at 12.5
	20:45		24		✓	200		EA2 mix at 15.5
	21:00				✓			drop plug & wash pump lines
	21:05		-0-		✓			start displacement
			76		✓	300		lift psi
	21:30		112		✓	800		max lift psi
	21:32		112		✓	1800		land plug 1800 psi hold then release
	21:50							Wash truck
	22:10							Job complete
								Thanks!
								Preston, Kirby, John, Gideon
								SMD
								RH 30 ^{SKS} MH 20 ^{SKS}
								75 ^{SKS} down hole
								EA2 100 ^{SKS}



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th ST
New ton, KS 67114
ATTN: Ryan Seib

All Along the Watchtower #1
2-16s-21w, Ness, KS
Job Ticket: 68472 **DST#: 1**
Test Start: 2022.02.21 @ 02:20:00

GENERAL INFORMATION:

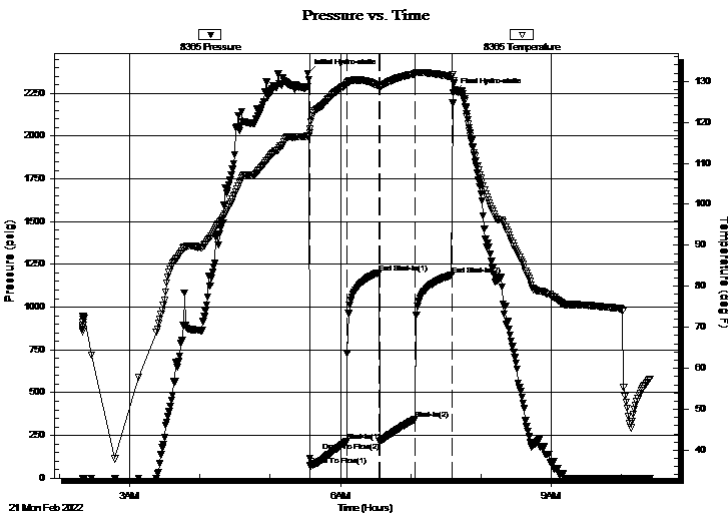
Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:34:02
Time Test Ended: 10:24:02
Interval: **4516.00 ft (KB) To 4535.00 ft (KB) (TVD)**
Total Depth: 4535.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72
Reference Elevations: 2624.00 ft (KB)
2619.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8365 Outside
Press@RunDepth: 345.52 psig @ 4532.00 ft (KB) Capacity: psig
Start Date: 2022.02.21 End Date: 2022.02.21 Last Calib.: 1899.12.30
Start Time: 02:20:01 End Time: 10:24:02 Time On Btm: 2022.02.21 @ 05:32:17
Time Off Btm: 2022.02.21 @ 07:36:32

TEST COMMENT: 30 min IF- Bob 6 min
30 min ISI- Returns built to 1"
30 min FF- Bob 8 min
30 min FSI- returns built to WSB

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.09	116.63	Initial Hydro-static
2	73.88	118.32	Open To Flow (1)
34	215.38	129.30	Shut-In(1)
61	1201.04	128.96	End Shut-In(1)
61	212.00	128.65	Open To Flow (2)
92	345.52	131.91	Shut-In(2)
123	1187.11	131.19	End Shut-In(2)
125	2255.46	130.20	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
124.00	OMCW 10%O 80% W 10% M	1.74
186.00	OMWCM 45%G 40% O 10% W 5% M	2.61
620.00	GO 15% G 85% O	8.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

All Along the Watchtower #1

4924 SE 84th ST
New ton, KS 67114

2-16s-21w, Ness, KS

Job Ticket: 68472 **DST#: 1**

ATTN: Ryan Seib

Test Start: 2022.02.21 @ 02:20:00

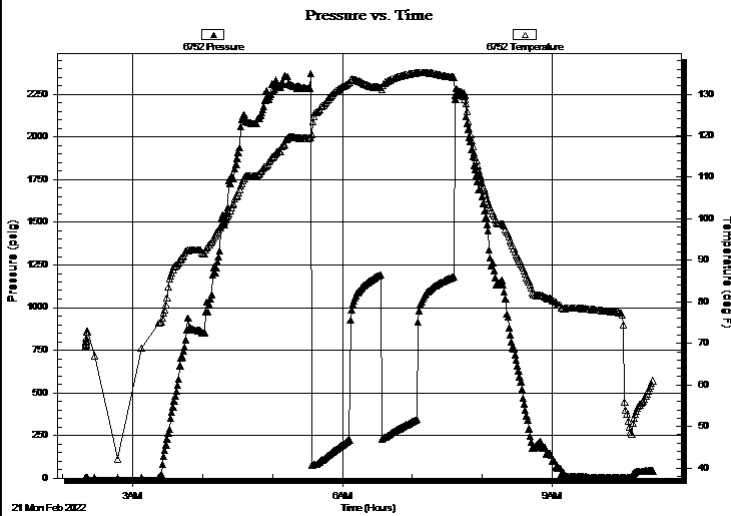
GENERAL INFORMATION:

Formation: **Miss.**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:34:02 Tester: Kevin Webster
 Time Test Ended: 10:24:02 Unit No: 72
 Interval: **4516.00 ft (KB) To 4535.00 ft (KB) (TVD)** Reference Elevations: 2624.00 ft (KB)
 Total Depth: 4535.00 ft (KB) (TVD) 2619.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: KB to GR/CF: 5.00 ft

Serial #: 6752

Press@RunDepth: psig @ ft (KB) Capacity: psig
 Start Date: 2022.02.21 End Date: 2022.02.21 Last Calib.: 1899.12.30
 Start Time: 02:20:01 End Time: 10:26:02 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 min IF- Bob 6 min
 30 min IS- Returns built to 1"
 30 min FF- Bob 8 min
 30 min FSI- returns built to WSB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OMCW 10%O 80% W 10% M	1.74
186.00	OMWCM 45%G 40% O 10% W 5% M	2.61
620.00	GO 15% G 85% O	8.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton, KS 67114
ATTN: Ryan Seib

All Along the Watchtower #1
2-16s-21w, Ness, KS
Job Ticket: 68472 **DST#: 1**
Test Start: 2022.02.21 @ 02:20:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 41 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 21000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.40 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1800.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OMCW 10%O 80% W 10% M	1.739
186.00	OMWCM 45%G 40% O 10% W 5% M	2.609
620.00	GO 15% G 85% O	8.697

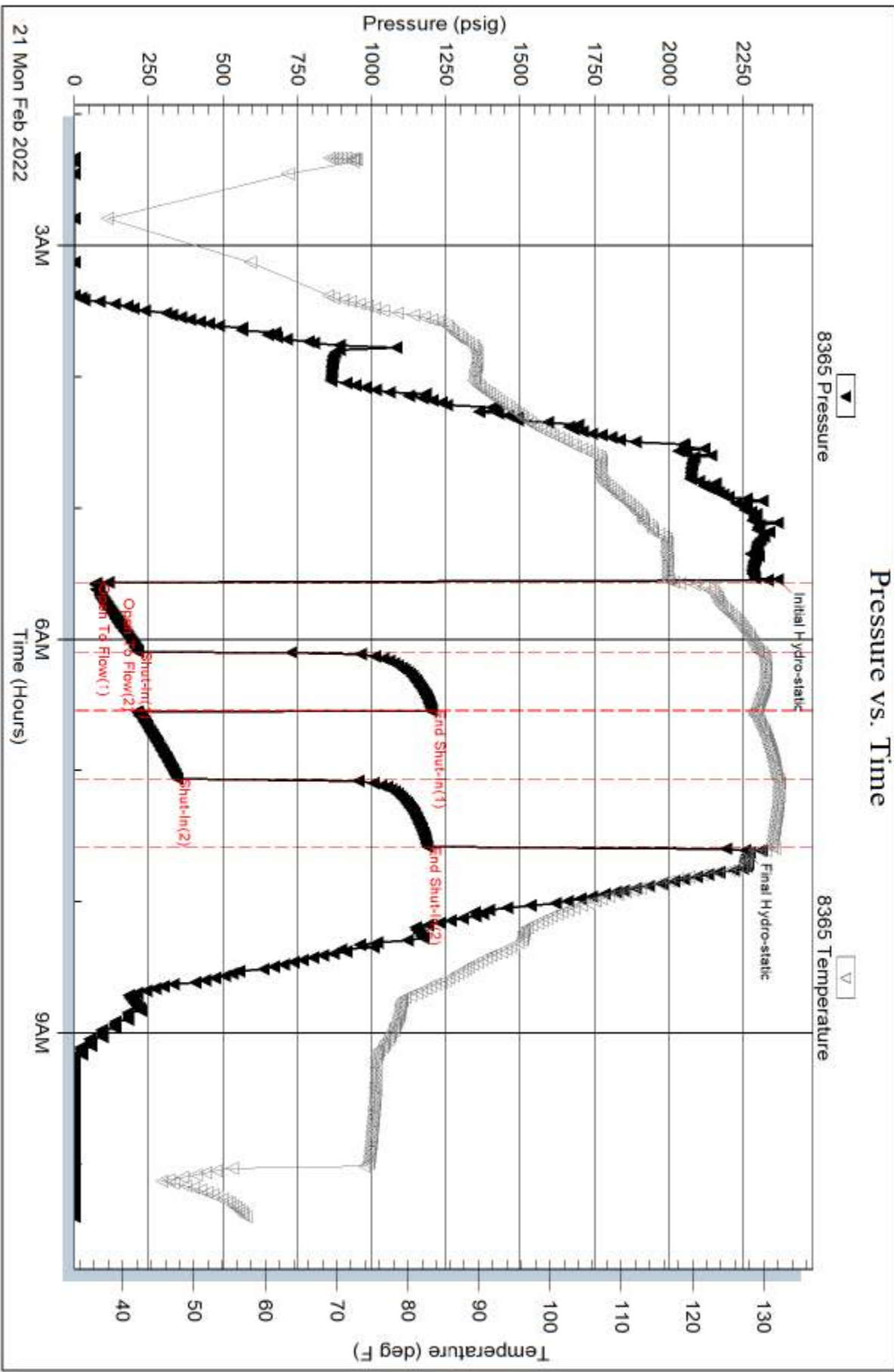
Total Length: 930.00 ft Total Volume: 13.045 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 1# LCM

Serial #: 8365

Outside Palomino Petroleum

2-165-21w, Ness, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68472

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