

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 \_\_\_\_\_ 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](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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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: 1/18/2022  
 Invoice #: 0358323  
 Lease Name: Cobra Rock  
 Well #: 2 (New)  
 County: Gove, Ks  
 Job Number: WP2325  
 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	60.000	1.840	110.40
Heavy Eq Mileage	60.000	3.680	220.80
Ton Mileage	564.000	1.380	778.32
Cement Blending & Mixing	200.000	1.288	257.60
Depth Charge 0'-500'	1.000	920.000	920.00

*Cement for surface for #2  
 1/18*

**Total** 5,967.12 ✓

**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



Services, Inc.

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



## Invoice

DATE	INVOICE #
1/26/2022	35759

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

RECEIVED  
FEB 04 2022  
BY: \_\_\_\_\_

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Cobra Rock	Gove	STP	Oil	Development	Long String	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				55	Miles	6.00	330.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
290	D-Air				3	Gallon(s)	42.00	126.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
402-5	5 1/2" Centralizer				12	Each	75.00	900.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
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	325.00	325.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.00	2,250.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				550	Lb(s)	0.25	137.50T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				50	Lb(s)	3.00	150.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				621	Ton Miles	1.00	621.00
	Subtotal							12,564.50
	Sales Tax Gove County						8.50%	821.40
<i>Cement for longstring for #2</i>								
<i>1/26</i>								
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$13,385.90 ✓



CHARGE TO: PALOMINO PETROLEUM  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET 35759

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Hays Ks</u>	WELL/PROJECT NO. <u># 2</u>	LEASE <u>COBRA ROCK</u>	COUNTY/PARISH <u>Gove</u>	STATE <u>Ks</u>	CITY	DATE <u>1/26/22</u>	OWNER
2. <u>Ness City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>STP</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>Dil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK # 111	55	Mi			6.00	330.00
578		1			Pump Charge - Long String	1	EA			1500.00	1500.00
<del>290</del> 290		1			D-Air	3	Gal			42.00	126.00
281		1			MUDFLUSH	500	Gal			1.50	750.00
221		1			Liquid KCL	4	Gal			25.00	100.00
402		1			CENTRALIZER	12	EA	5 1/2		75.00	900.00
403		1			CEMENT BASKET	1	EA			275.00	275.00
404		1			PORT COLLAR	1	EA			2500.00	2500.00
406		1			LATCH DOWN PLUG & BAFFLE	1	EA			250.00	250.00
407		1			INSERT FIDAT SHOE W/ AUTO FILL	1	EA			325.00	325.00

**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**

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	P.1	7056.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	5508.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	12564.50
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Gove	821.40
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	13385.90
<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 DAVID EDGERTON

APPROVAL \_\_\_\_\_

Thank You!



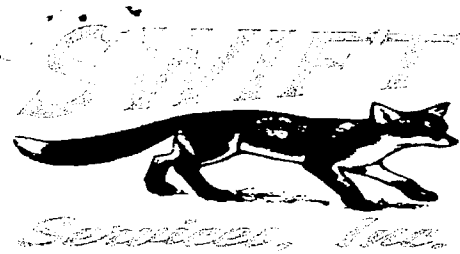


JOB LOG

SWIFT Services, Inc.

DATE 1-26-22 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Perro		# 2		COBRA ROCK		Long Stems		35759	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	200								ON location
									5 1/2 csg x 15.5 #
									RTD - 4370 LTD - 4370
									SET @ 4370
									SHOE JT - 42.12 Baffle @
									Port Collar - JT 57 @ 1946
									CENTRALIZERS - 1, 2, 7, 8, 9, 10, 11, 12
									13, 14, 58
									BASKET @ 57
	500								START RUNNING CSG
	715								BREAK CIRC ON BIT
	815	0	8			0			plug rat hole - 50 SX
		6	12			300			pump mud flush - 500 gal
		6	20			300			pump KEL SPACER
		6	0			300			START CMT - 95 SX SMD @ 12.5
		5	36			200			SWITCH TO EA-2 - 100 SX @ 15.5
		5	60			200			END CMT
									Drop plug - WASH P & L
	900	7.25	0			300			START DISP
	915	6	103			900			LAND plug @ 1600 psi
									Release - Psi - Dry
									JOB COMPLETE
									THANKS
									DAVID, SETH & JOHN J



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



# Invoice

DATE	INVOICE #
2/7/2022	35762

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	#2	Cobra Rock	Gove	Express	Oil	Development	Port Collar	David E

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	50	Miles	6.00	300.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars	1	290	1,500.00	1,500.00
290	D-Air	2	Gallon(s)	42.00	84.00T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	18.00	2,250.00T
276	Flocele	25	Lb(s)	3.00	75.00T
581D	Service Charge Cement	225	Sacks	2.00	450.00
583D	Drayage	560	Ton Miles	1.00	560.00
	Subtotal				5,219.00
	Sales Tax Gove County			8.50%	204.77
	<i>port collar for #2</i>				
	<i>1/31</i>				

**We Appreciate Your Business!**

**Total**

\$5,423.77





CHARGE TO: PALMIND PETROLEUM  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET 35762

PAGE 1 OF \_\_\_\_\_

1. SERVICE LOCATIONS <u>Nass City Ks</u>	WELL/PROJECT NO. <u># 2</u>	LEASE <u>COBRA ROCK</u>	COUNTY/PARISH <u>Gove</u>	STATE <u>Ks</u>	CITY	DATE <u>2/7/22</u>	OWNER
2. <u>Nass City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>EXPRESS</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION						
INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>TRK # 111</u>	50		Mi		6 <sup>00</sup>	300 <sup>00</sup>
576 D		1			Pump Charge - <u>Port Collar</u>	1		EA		1500 <sup>00</sup>	1500 <sup>00</sup>
290		1			<u>D-AIR</u>	2		Gal		42 <sup>00</sup>	84 <sup>00</sup>
330		2			<u>Swift Multi Density</u>	125		SK		18 <sup>00</sup>	2250 <sup>00</sup>
276		2			<u>Flocele</u>	25		lbs		3 <sup>00</sup>	75 <sup>00</sup>
581		2			<u>Service Charge CMT</u>	225		SK		2 <sup>00</sup>	450 <sup>00</sup>
583		2			<u>DRAYAGE</u>	560		TM		1 <sup>00</sup>	560 <sup>00</sup>

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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	5219 <sup>00</sup>
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?				<u>Gove</u>	<u>20477</u>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	5423 <sup>77</sup>
<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 DAVID EDGERTON

APPROVAL \_\_\_\_\_ Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2/7/22 PAGE NO.

CUSTOMER Palomino Petro WELL NO. # 2 LEASE COBRA Rock JOB TYPE Port Collar TICKET NO. 35762

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
								2 3/8 x 5 1/2 Port Collar @ 1945
						1500		TEST TOOLS - GOOD
		3.75				1000		open PORT COLLAR Take inj RATE Hook up to T66
		5	0			1200		START CMT - SMD @ 11.2 PPH
		5	60			1200		Circ CMT - 105 SK
		5	60			1200		RAISE NGT FOR 20 SK
		5	68			1200		END CMT
		5	6			1200		Disp
		3	25			500		Run 5 ITS Reverse OUT
								JOB COMPLETE
								Thanks DAVIS, SETH & JOHN



## DSTs

**DST No.1 Lansing H & I Zones; 3850-3926(76); Conventional successful Test**

Trilobite Testing Hays, KS; Martine Salinas - Tester

IF: 15 min; BOB in 1 min, incr to 138.5"

ISl: 30 min; Weak return, uilt to 0.25"

FF: 15 min; BOB in 2.5 min, built to 102.75"

FSI: 30 min; No return

REC: 1950' Total Recovery [1770 MSW [3% M/ 97% W]; [180 WCM [Oil Scum/ 22% W/ 78% M]

BHT 121F Rw=0.55 @ 52F CL=12,000ppm

IHP 1869 ; IFP 204-636 ; ISIP 1161 ; FFP 635-904 ; FSIP 1161 ; FHP 1879

**DST No.2 Lansing J, K, & L Zones; 3930-4000(70); Conventional successful Test**

Trilobite Testing Hays, KS; Martine Salinas - Tester

IF: 30 min; BOB 11" in 14 min, incr to 26"

ISl: 30 min; No return

FF: 60 min; BOB in 14 min, built to 37.25"

FSI: 60 min; Return blow at 10 min, built to 0.50"

REC: 320' Total Recovery GMO [27%g/ 36%M/ 37%O]; 650' GIP

BHT 115F

IHP1916 ; IFP 35-107 ; ISIP 909 ; FFP 107-166 ; FSIP 934 ; FHP 1941

**DST No.3 Lansing H & I Zones; 3869-3930(61); Straddle successful Test**

Trilobite Testing Hays, KS; Martine Salinas - Tester

IF: 30 min; Built to 2"

ISl: 30 min; No return

FF: 30 min; Weak surface bubbles @ 15 min, maintained blow

FSI: 30 min; No return

REC: 40' Total Recovery 100% Mud with oil specks

BHT 115F


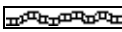
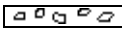
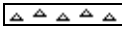
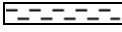
IHP 2018 ; IFP 50-63; ISIP 527 ; FFP 65-68 ; FSIP 500 ; FHP 2050






## Logging Program



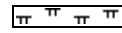
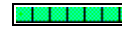
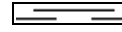
Gemini Wireline LLC, Hays, KS; Gus Phanenstiel Engineer

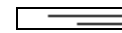
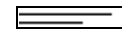



Logs	Interval
DIL	Surface-4368
Litho Density Neutron	3400-4350
Micro Resistivity	3400-4368

## ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst

	Coal
	Congl
	Dol
	Gyp
	Igne

	Lmst
	Meta
	Mrlst
	Salt
	Shale

	Shcol
	Shgy
	Sltst
	Ss
	Till

## ACCESSORIES

### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite



Plant  
Strom

### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp



- Hvymn
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff



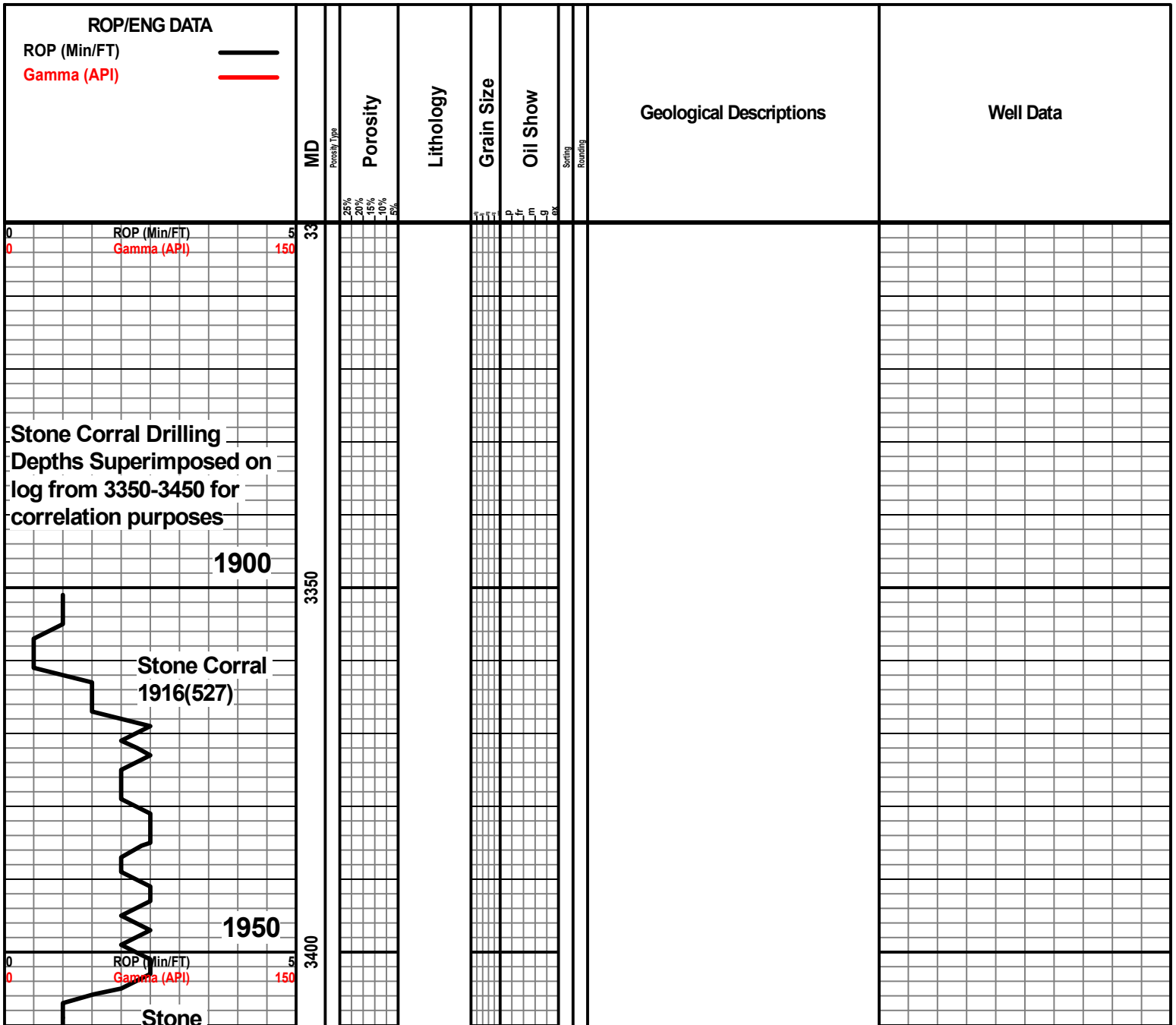
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

### TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol





Corral(Base)  
1954(489)

2000

3450

NB2 7.825" STC  
F27 in @ 211

3500

1/22/22

10 foot samples begin at  
3500 caught by crews,  
lagged by wellsite  
geologist

W 9.6  
V 30  
WL 6.4  
pH 11.5  
cK 1  
CL 1400  
Ca 20  
LCM 4#/BBL

LS tan-wh xfxl firm sifos w/chk mtrx  
por-p nsfoc

SH dkgy firm blkly carb

LS aa incr wh-gy firm-fri chky sifos  
chky mtrx por-p-tt nsfoc

3550

SH dkgy-bk sft-firm blkly vcarb

WOB 30  
RPM 80  
PP 800  
SPM 60

LS tan-gy xfxl-litho fri-firm chky slsly  
w/sh strgs por-p-occ fr nsfoc

LS tan-mgy xfxl-gran fri-firm occ fos  
chky mtrx por-p nsfoc

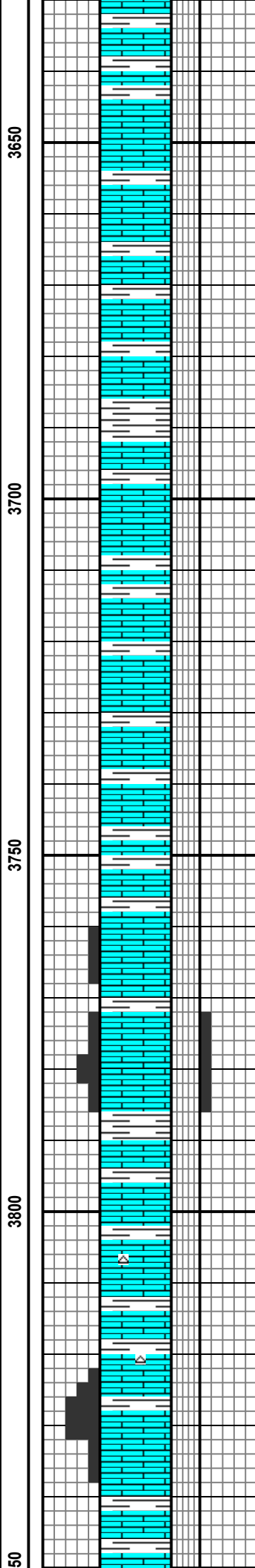
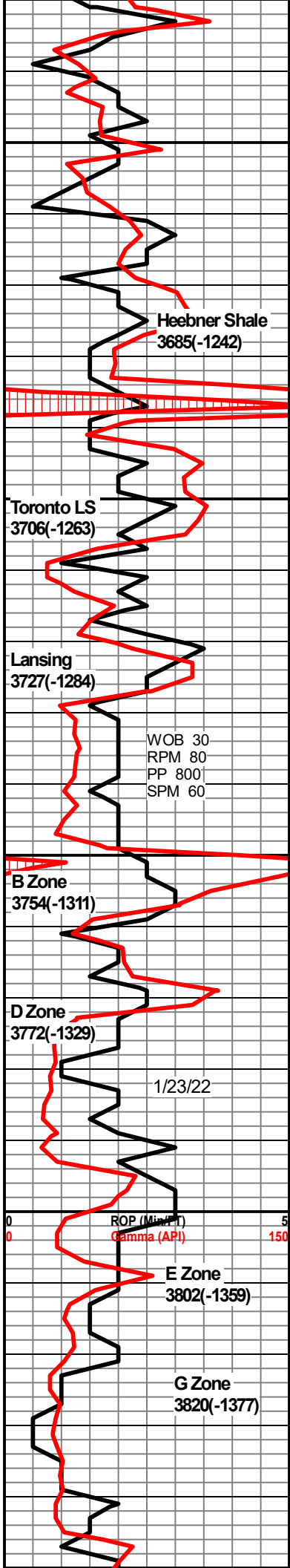
3600

SH mgy- sft plty carb

LS mgy-wh xfxl-gran fri-firm mfos  
w/chk mtrx thin dolo strgs por-fr-p  
nsfoc

ROP (Min/FT)  
Gamma (API)

0 5  
0 150



SH aa

LS ltgy xfxl-litho fri vchky sft por-p-tt nsfoc

LS ltgy-wh litho fri vchky tr fos dolo strgs tan gran por-p nsfoc

LS aa occ sft chky nsfoc

SH bk-dkgy carb slcalc pty

LS mot wh-crm fri chky occ tr fos w/calc infill por-p nsfoc

SH aa bk-dkgy pty sft carb slcalc

LS aa occ chky & gummy w/intbd  
SH mgy LS por p nsfoc

SH bk-dkgy firm blk

LS wh-incr gy xfxl firm-fri chky occ slty tr fos & cht por-p nsfoc

SH aa

LS mot gyh-wh sft-fri occ chky por-tt nsfoc

SH mgy pty firm slcalc

LS mot gy-tan gran-xfxl fri suc text chk mtrx por-fr-p nsfoc

**Show No.1 3772-3784(12)**

LS tan-crm xfxl-gran fri suc w/chk mtrx vfri; fos & ool (calc infill); por-p-occ fr(suc); oilstn-tr bk asph spotted stn, no live oil or oil odor, flor-tr ltyel; cut-tr slow milky strm on spotted asph stn; res-tan res in dish

SH m-dkgy sft blk carb

LS tan-crm incr fos w/chk mtrx occ chty por-fr nsfoc

LS wh-tan xfxl-suc fri-firm fos & chky; occ ool w/calc infill; tr cht; por-fr-p nsfoc

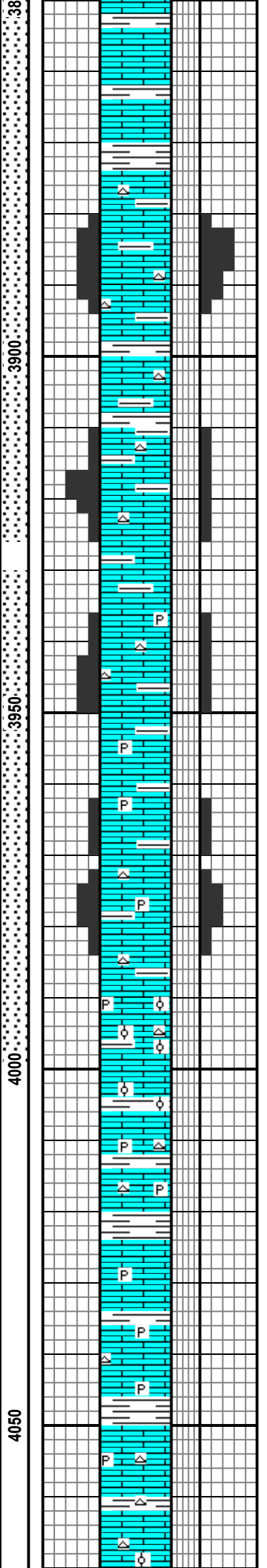
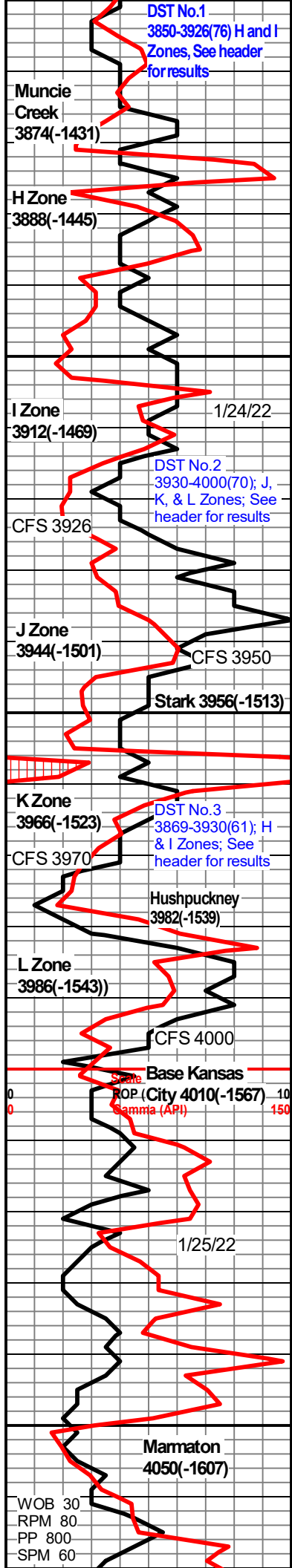
LS crm-wh xfxl-occ vfos & ool w/calc infill; suc ls chk mtrx; tr wh ang cht; thin sh strgs; por-p-tt decr w/calc infill; oilstn-none; nsfoc

SH m-ltgy firm pty arg

No oil odor

W 8.9  
V 52  
WL 8.0  
pH 10.5  
cK 1-  
CL 2000  
Ca 60  
LCM 1#/BBL

No oil odor



por-tt nsfoc

LS ltgy-crm xfxl-gran fri slty slfos occ cht por-p nsfoc

SH gybrn blkly slcalc

**Show No. 2 3880-3894(14)**  
LS crm-tan xfxl-suc & gran firm-fri; tr cht; fos & ool w/calc infill & chk mtrx; por-p-g(ool & fos); oilstn-10% brn live in fos/ool oil in vugs, mod oil odor; flor-20% myel; cut-20% immed myel strm cut incr to dkyl in fos ls; res-tan oil ring in dish

SH bk-gybrn sft-firm blkly vvcarb

**Show No. 3 3910-3926(16)**  
LS tan-crm suc-xfxl firm-fri; wh cht, mod fosw/calc infill & chk mtrx; thin sh strgs; por-fr- occ g (suc & ool); oilstn-slight oil odor, tan oil in ool & vug; flor-20% myel; cut-20% mlky-myel strm when ctgs are crushed; res-vis ltan oilstn in dish

**Show No. 4 3936-3950(14)**  
LS tan-brm-crm xfxl firm/hd-fri; suc & occ fos; trwh cht ang; vthin sh strgs; por-fr-tt (hd dns ls); oilstn-none; flor-10% ltyel; cut-10% mlky slow strm cut; res-none

**Show No. 5 3962-3970(8)**  
LS crm-tan xfxl-gran firm-hd-fri & suc slpyr w/ tr cht; ool w/calc infill (hd); thin sh strgs; por-p-tt; oilstn-none, no oil odor; flor-tr ltyel; cut-tr mlky slow diffuse cut; res-none

**Show No. 6 3972-3984(12)**  
LS tan-ltgy-crm xfxl-gran decr amt ool occ fos w/chk mtrx; tr cht & pyr; w/sh strgs; por-fr-g(gran & suc) w/occ vugs; oiltn-mod oil odor, 10% ltan oilstn in gran ls; flor-10% m-ltyel; cut-10% slow to immed strm cut on oilstn cuttings; res-flor res, no oil ring in dish; LS tight ool zone w/calc infill & cht at 3990-4000; nsfoc

LS wh-ltgy xfxl-gran fri-firm tr cht fos incr amy pyr por-tt nsfoc

SH dk-mgy sft pty carb

LS ltgy-wh xfxl fri-firm occ suc chty w/intbd sh strgs por-tt-p nsfoc

LS mot tan-mgy xfxl xfxl firm-fri occ chky tr cht & vf pyr por-p nsfoc

LS aa occ pyr por-tt nsfoc

SH dkgy blkly carb slcalc

LS aa w/incr in cht & occ pyr slfos w/calc infill por-p nsfoc

**DST No. 1 3850-3926(76) H and I Zones, See header for results**

**Moderate oil odor**

**Slight oil odor**

**DST No. 2 3930-4000(70); J, K, & L Zones; See header for results**

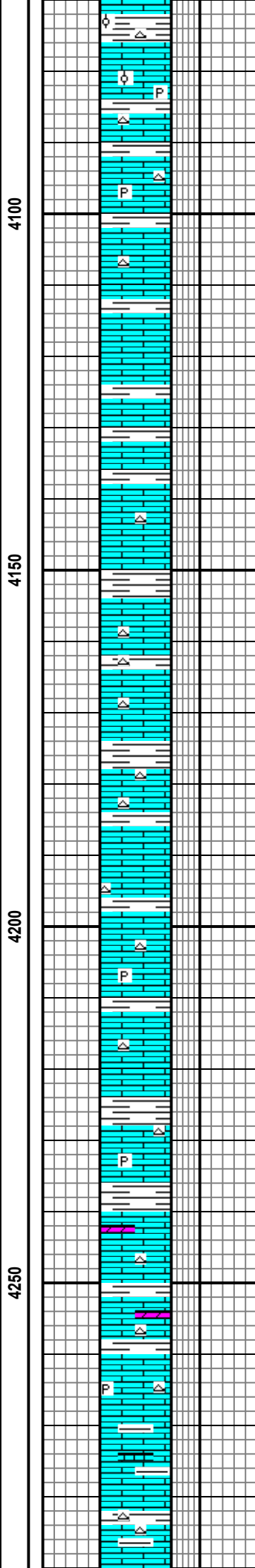
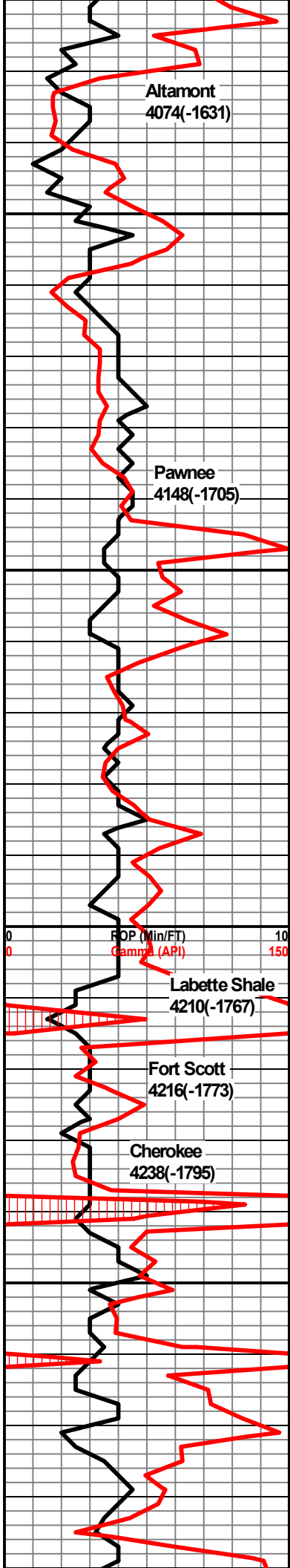
**Very slight oil odor**

**No oil odor**

**DST No. 3 3869-3930(61); H & I Zones; See header for results**

**Moderate oil odor**

W 9.1  
V 57  
WL 9.6  
pH 10.0  
cK 1  
CL 3000  
Ca 80  
LCM 2#/BBL



SH aa

LS mgy-tan xfxl-gran firm-hd ool/fos  
w/calc infill firm incr pyr por-p nsfoc

LS aa incr suc gran fri por-p nsfoc

LS ltgy-crm litho-xfxl firm slpyr occ  
chty w/tr fos por-p-tt nsfoc

SH m-dkgy plty vcarb

LS mot gy-tan-wh litho firm occ calc  
infill & fos slpyr tr cht por-p-occ fr  
nsfoic

tr cht & pyr

LS mot tan-dkgy litho-xfxl firm pyr  
chty w/tr fos por-p-tt nsfoc

SH m-dkgy firm blkly vcarb

tr pyr

SH bk-dkgy firm blkly vcarb

LS aa occ dolo strgs; por-tt nsfoc

LS ltgy-xfxl firm fos calc infill w/abnt  
pyr tr cht por-tt nsfoc w/intbd SH  
strgs

SH dkgy sft plty carb

LS crm-lttan firm vchky w/incr in tan  
dolo strgs por-p; nsfoc

LS mot tan-wh xfxl-gran hd-firm fos  
w/chk text & occ calc infill w/intbd sh  
strgs; oilstn-none; nsfoc

SH dkgy sft plty

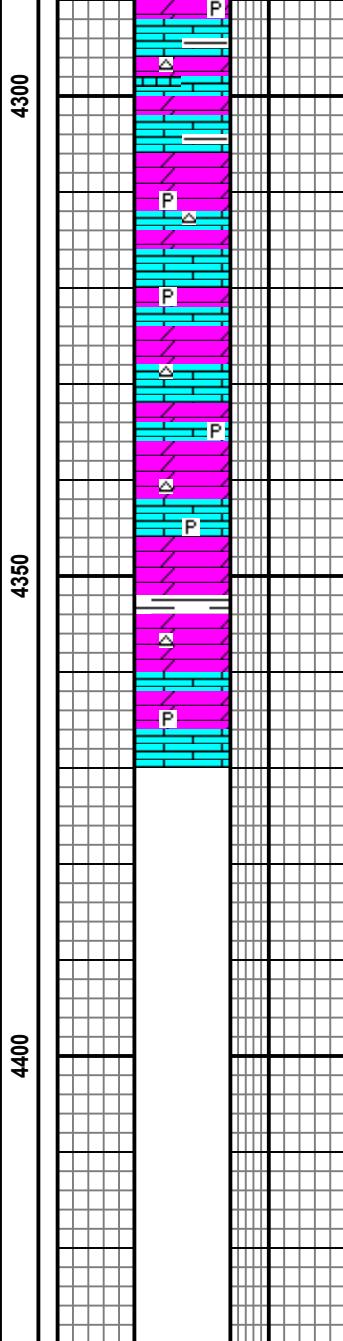
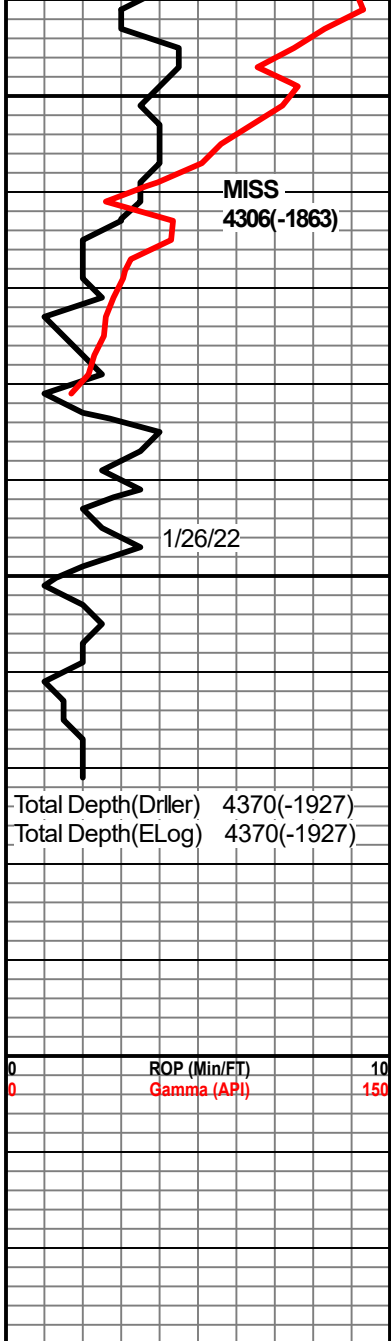
LS wh-crm xfxl hd dns pyr

tr cht & pyr

LS crm-lttan firm vchky w/incr in tan  
dolo strgs por-p; nsfoc

SH bk sft plty carb

W 9.0  
V 51  
WL 7.2  
pH 10.0  
cK 1  
CL 3000  
Ca 40  
LCM 2#/BBL



DOL tan-ltgy xfxl-gran & occ suc  
 firm arg mtrx w/LS tan xfxl chky tr  
 cht & pyr; por-p-tt nsfoc

DOL tan-mgy gran-xfxl fri-firm suc  
 chk mtrx; intbd LS & sh strgs; tr cht  
 & pyr; por-fr (suc dolo) tt por ;  
 oilstn-none nsfoc

DOL aa LS wh xfxl hd w/ strgs suc  
 DOL tan-gy fri arg mtrx slpyr;  
 por-fr-occ p; oilstn-none; nsfoc

DOL ltgy-wh xfxl h dns-occ suc & fri  
 decr ls; tr cht & pyr; por-p-occ  
 fr(suc); oilstn-none; nsfoc

DOL tan-brn xfxl-litho hd dns-firm  
 occ suc pyr & cht occ sh strgs w/LS  
 tan xfxl; por-p-tt nsfoc



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton, KS 67114

ATTN: Randy Say

### **Cobra Rock #2**

#### **12-14S.-26W Gove,KS**

Start Date: 2022.01.23 @ 15:37:00

End Date: 2022.01.23 @ 22:31:20

Job Ticket #: 68027                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.01.31 @ 10:26:56



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 New ton, KS 67114  
 ATTN: Randy Say

**12-14S.-26W Gove,KS**  
**Cobra Rock #2**  
 Job Ticket: 68027 **DST#: 1**  
 Test Start: 2022.01.23 @ 15:37:00

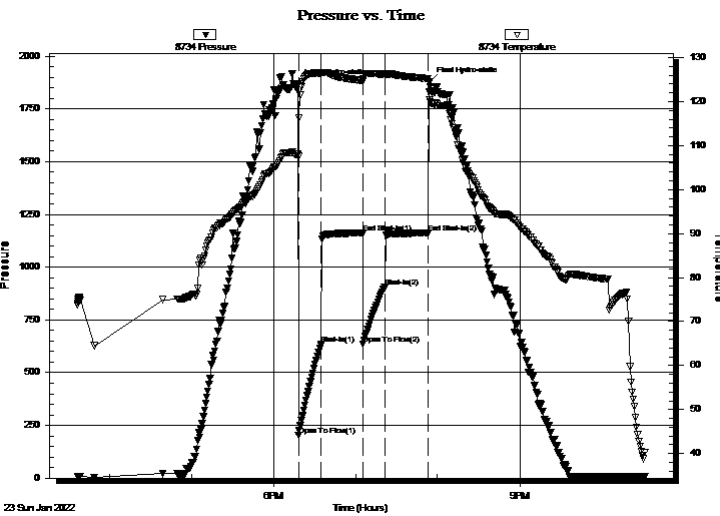
## GENERAL INFORMATION:

Formation: **LKC "H - I"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:18:20  
 Time Test Ended: 22:31:20  
 Interval: **3850.00 ft (KB) To 3926.00 ft (KB) (TVD)**  
 Total Depth: 3926.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Martine Salinas  
 Unit No: 81  
 Reference Elevations: 2442.00 ft (KB)  
 2435.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8734 Outside

Press@RunDepth: 904.00 psig @ 3851.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.23 End Date: 2022.01.23 Last Calib.: 2022.01.23  
 Start Time: 15:37:01 End Time: 22:31:20 Time On Btm: 2022.01.23 @ 18:18:10  
 Time Off Btm: 2022.01.23 @ 19:54:20

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 1 mins (blow increased to 138 1/2")  
 30-ISI-Weak return @ 3 mins built to 1/4"  
 15-FF-B.O.B @ 2 1/2 mins (blow increased to 102 3/4")  
 30-FSI-No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.44	108.08	Initial Hydro-static
1	203.59	107.62	Open To Flow (1)
17	636.16	126.47	Shut-In(1)
47	1160.57	124.85	End Shut-In(1)
48	635.48	124.67	Open To Flow (2)
64	904.00	126.21	Shut-In(2)
95	1160.73	125.29	End Shut-In(2)
97	1878.93	120.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1770.00	MSW 3%M, 97%W	23.73
180.00	WCM w/Oil scum 22%W, 78%M	2.52

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68027

**DST#: 1**

ATTN: Randy Say

Test Start: 2022.01.23 @ 15:37:00

## Tool Information

Drill Pipe:	Length: 3721.00 ft	Diameter: 3.80 inches	Volume: 52.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3850.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3818.00	
Shut In Tool	5.00			3823.00	
Hydraulic tool	5.00	1113		3828.00	
Jars	5.00	01-07		3833.00	
EM Tool	5.00			3838.00	
Safety Joint	3.00	-001		3841.00	
Packer	5.00			3846.00	33.00 Bottom Of Top Packer
Packer	4.00			3850.00	
Stubb	1.00			3851.00	
Recorder	0.00	8959	Inside	3851.00	
Recorder	0.00	8734	Outside	3851.00	
Perforations	5.00			3856.00	
Change Over Sub	1.00			3857.00	
Drill Pipe	63.00			3920.00	
Change Over Sub	1.00			3921.00	
Bullnose	5.00			3926.00	76.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>109.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68027

**DST#: 1**

ATTN: Randy Say

Test Start: 2022.01.23 @ 15:37:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1770.00	MSW 3%M, 97%W	23.726
180.00	WCM w/Oil scum 22%W, 78%M	2.525

Total Length: 1950.00 ft      Total Volume: 26.251 bbl

Num Fluid Samples: 0

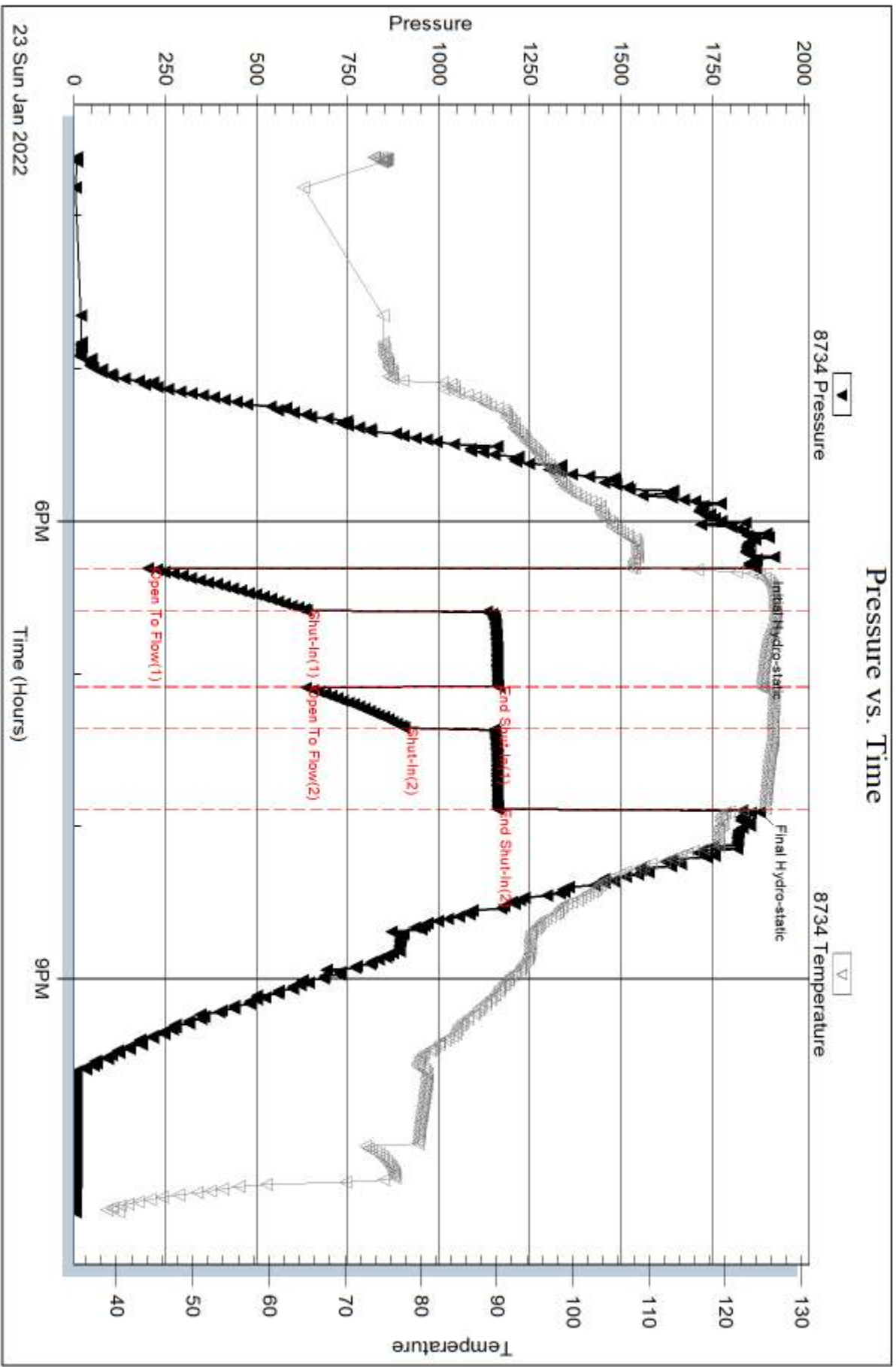
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.55 @ 52 degs = 17,000 PPM



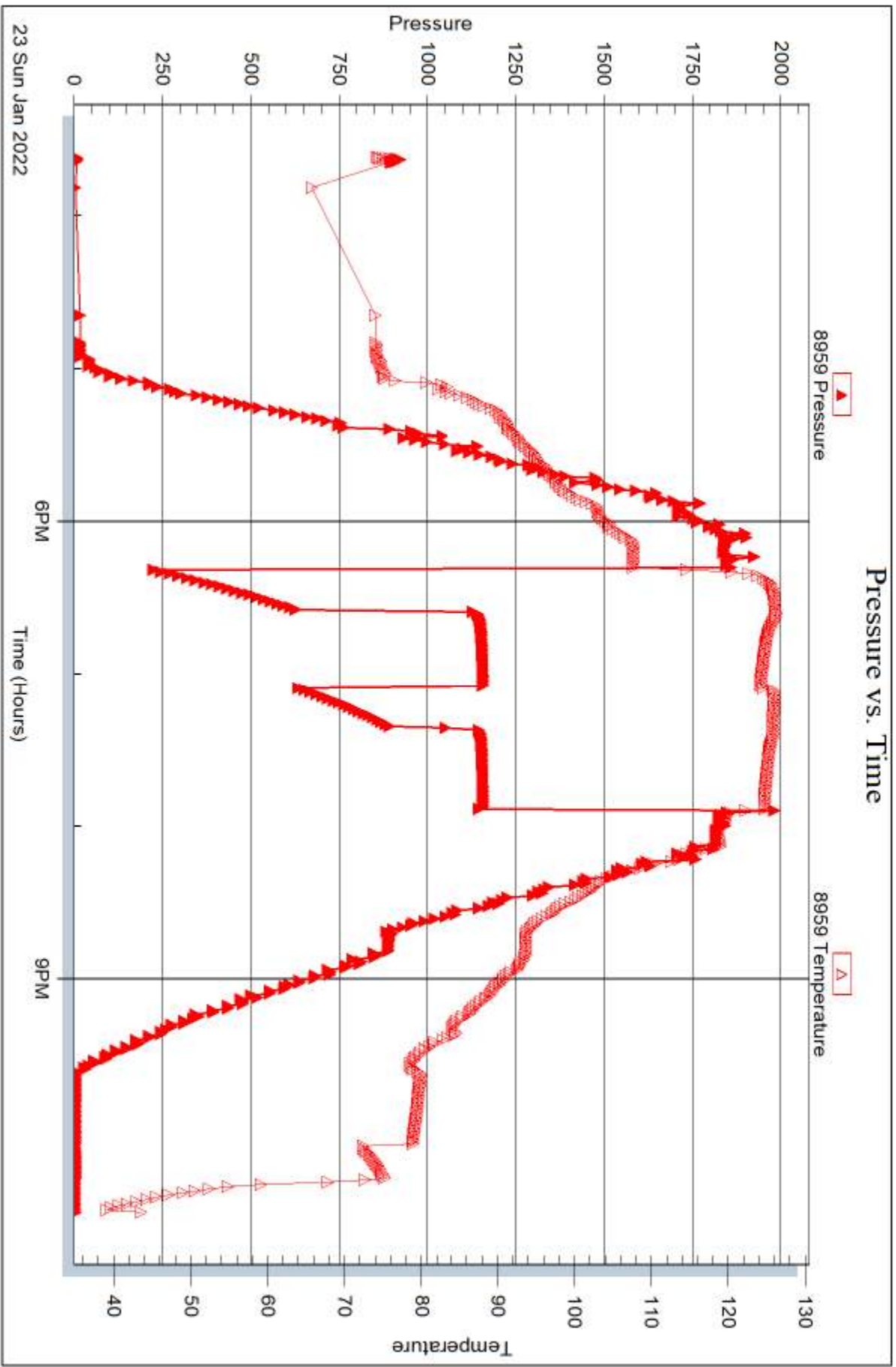
Serial #: 8959

Inside

Palomino Petroleum Inc

Cobra Rock #2

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 68027

Printed: 2022.01.31 @ 10:26:58



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton, KS 67114

ATTN: Randy Say

### **Cobra Rock #2**

#### **12-14S.-26W Gove,KS**

Start Date: 2022.01.24 @ 13:30:00

End Date: 2022.01.24 @ 20:55:00

Job Ticket #: 68028                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.01.31 @ 10:26:05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68028

**DST#: 2**

ATTN: Randy Say

Test Start: 2022.01.24 @ 13:30:00

## GENERAL INFORMATION:

Formation: **LKC "J - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:41:40

Time Test Ended: 20:55:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

**Interval: 3930.00 ft (KB) To 4000.00 ft (KB) (TVD)**

Reference Elevations: 2442.00 ft (KB)

Total Depth: 4000.00 ft (KB) (TVD)

2435.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8734 Outside**

Press@RunDepth: 165.59 psig @ 3931.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.24

End Date: 2022.01.24

Last Calib.: 2022.01.24

Start Time: 13:30:01

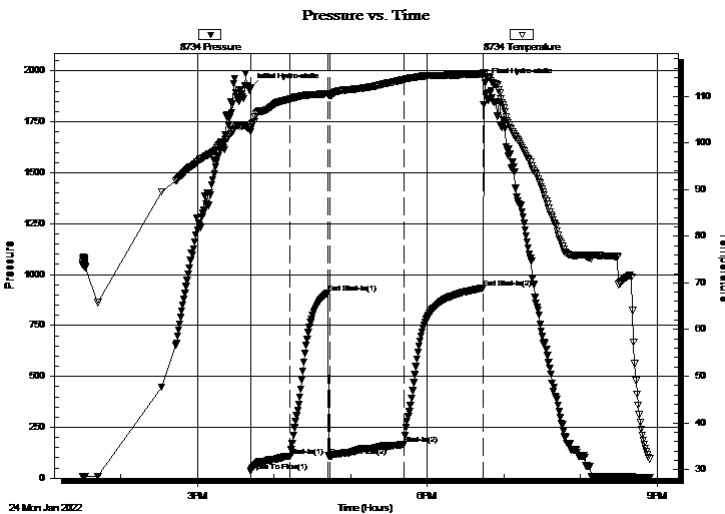
End Time: 20:55:00

Time On Btm: 2022.01.24 @ 15:41:30

Time Off Btm: 2022.01.24 @ 18:45:09

**TEST COMMENT:** 30-IF-B.O.B (11 inches) @ 14 mins (blow increased to 26")  
30-ISI-No return  
60-FF-B.O.B @ 14 mins (blow increased to 37 1/4")  
60-FSI-Return blow @ 10 mins built to 1/2"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.79	103.14	Initial Hydro-static
1	34.92	102.43	Open To Flow (1)
32	106.54	109.38	Shut-In(1)
61	908.78	110.52	End Shut-In(1)
63	106.88	110.13	Open To Flow (2)
121	165.59	113.56	Shut-In(2)
183	933.69	114.72	End Shut-In(2)
184	1940.58	114.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
320.00	GMO 27%G, 36%M, 37%O	3.39
0.00	650' GIP 100%G	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68028

**DST#: 2**

ATTN: Randy Say

Test Start: 2022.01.24 @ 13:30:00

## Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter: 3.80 inches	Volume: 53.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3930.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3898.00	
Shut In Tool	5.00			3903.00	
Hydraulic tool	5.00	1113		3908.00	
Jars	5.00	01-07		3913.00	
EM Tool	5.00			3918.00	
Safety Joint	3.00	-001		3921.00	
Packer	5.00			3926.00	33.00 Bottom Of Top Packer
Packer	4.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	8959	Inside	3931.00	
Recorder	0.00	8734	Outside	3931.00	
Perforations	30.00			3961.00	
Change Over Sub	1.00			3962.00	
Drill Pipe	32.00			3994.00	
Change Over Sub	1.00			3995.00	
Bullnose	5.00			4000.00	70.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>103.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68028

**DST#: 2**

ATTN: Randy Say

Test Start: 2022.01.24 @ 13:30:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
320.00	GMO 27%G, 36%M, 37%O	3.387
0.00	650' GIP 100%G	0.000

Total Length: 320.00 ft      Total Volume: 3.387 bbl

Num Fluid Samples: 0

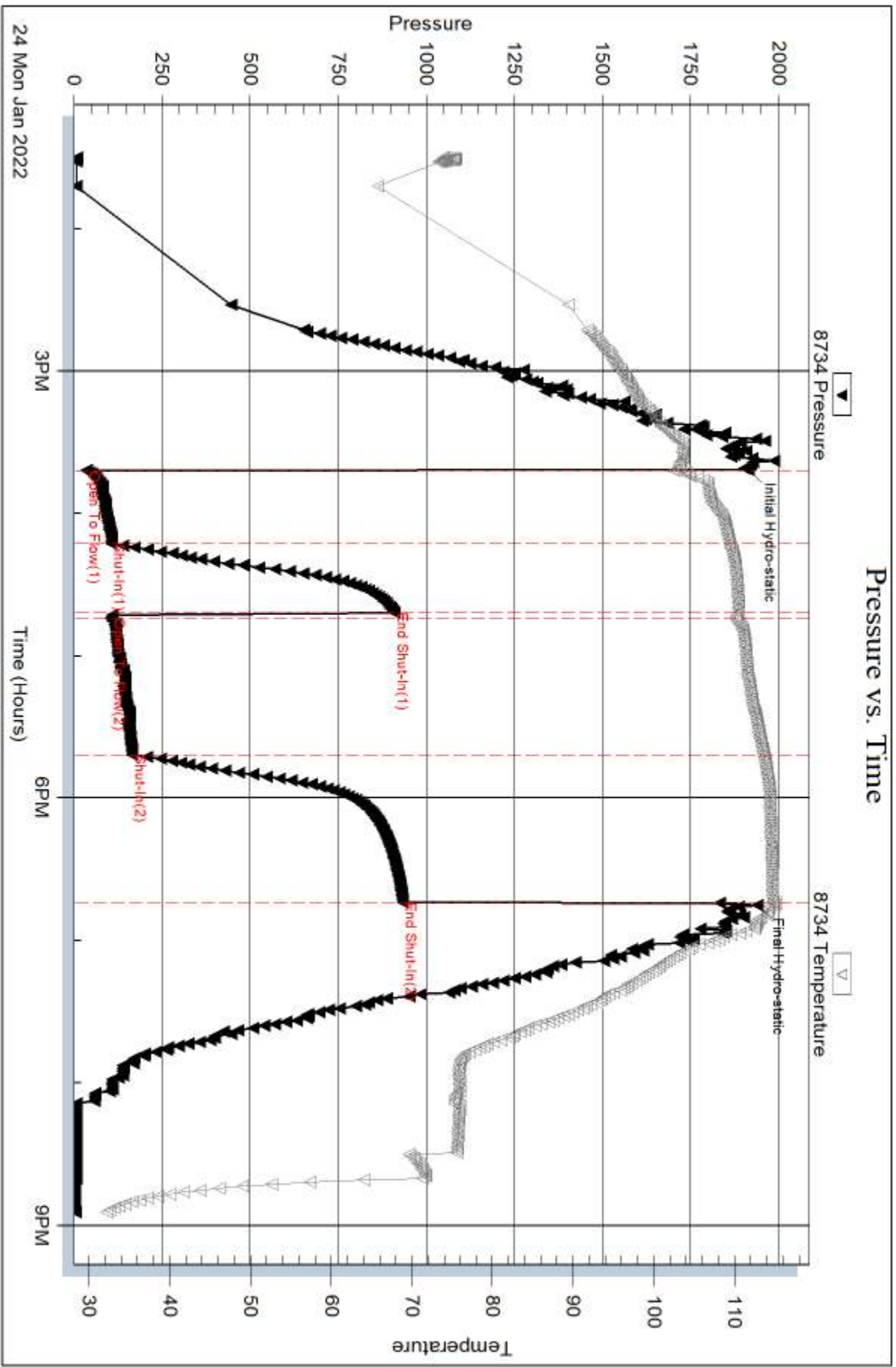
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough oil to catch gravity



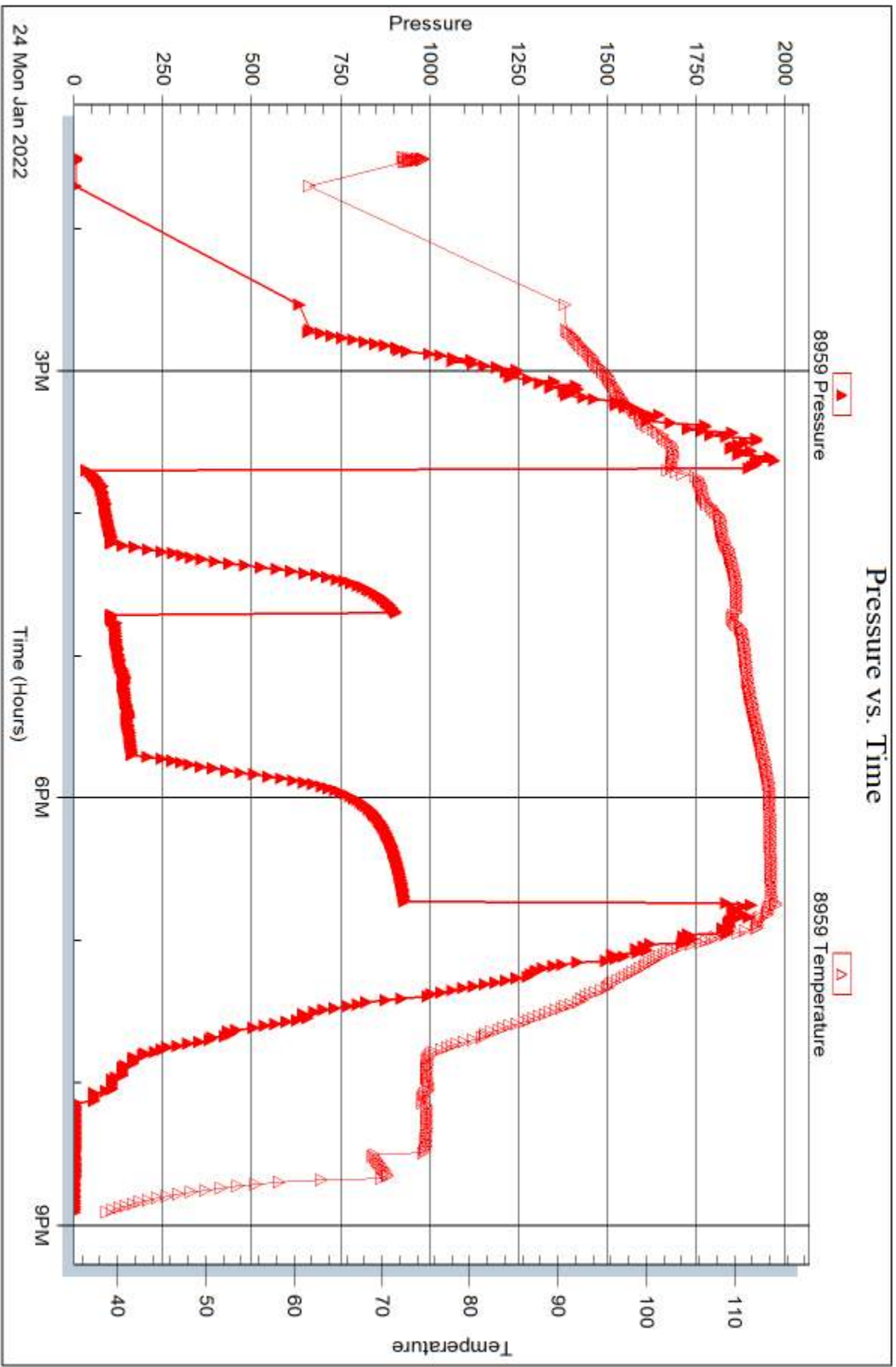
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Inside

Palomino Petroleum Inc

Cobra Rock #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68028

Printed: 2022.01.31 @ 10:26:06



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton, KS 67114

ATTN: Randy Say

### **Cobra Rock #2**

#### **12-14S.-26W Gove,KS**

Start Date: 2022.01.26 @ 12:31:00

End Date: 2022.01.26 @ 18:56:20

Job Ticket #: 68029                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.01.31 @ 10:24:08



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 New ton, KS 67114  
 ATTN: Randy Say

**12-14S.-26W Gove,KS**  
**Cobra Rock #2**  
 Job Ticket: 68029 **DST#: 3**  
 Test Start: 2022.01.26 @ 12:31:00

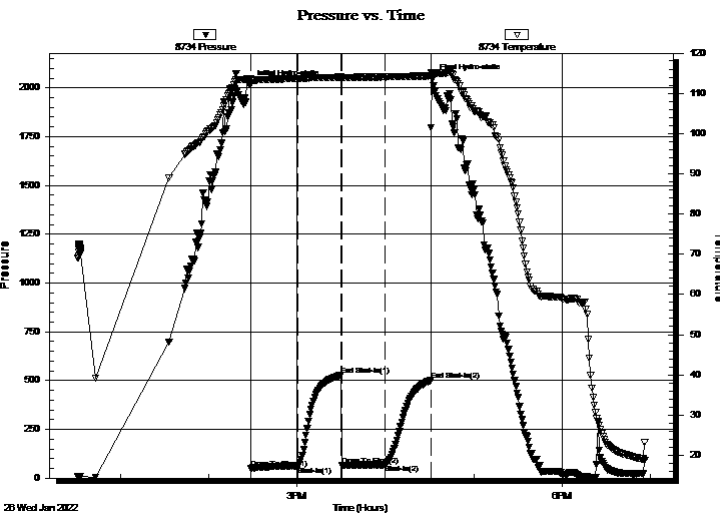
## GENERAL INFORMATION:

Formation: **LKC "H - I"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:28:50  
 Time Test Ended: 18:56:20  
 Interval: **3869.00 ft (KB) To 3930.00 ft (KB) (TVD)**  
 Total Depth: 4370.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Straddle (Reset)  
 Tester: Martine Salinas  
 Unit No: 81  
 Reference Elevations: 2442.00 ft (KB)  
 2435.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8734 Outside

Press@RunDepth: 68.49 psig @ 3870.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.01.26 End Date: 2022.01.26 Last Calib.: 2022.01.26  
 Start Time: 12:31:01 End Time: 18:56:20 Time On Btm: 2022.01.26 @ 14:28:40  
 Time Off Btm: 2022.01.26 @ 16:32:10

TEST COMMENT: 30-IF- Blow built to 2"  
 30-ISI-No return  
 30-FF-Weak surface bubbles @ 15 mins maintained blow  
 30-FSI-No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.58	113.58	Initial Hydro-static
1	49.58	112.38	Open To Flow (1)
33	63.18	113.65	Shut-In(1)
62	527.49	114.00	End Shut-In(1)
62	64.95	113.82	Open To Flow (2)
92	68.49	114.06	Shut-In(2)
123	500.64	114.33	End Shut-In(2)
124	2049.50	115.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	100% Mud w /Oil specks	0.20

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68029

**DST#: 3**

ATTN: Randy Say

Test Start: 2022.01.26 @ 12:31:00

## Tool Information

Drill Pipe:	Length: 3721.00 ft	Diameter: 3.80 inches	Volume: 52.20 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3869.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4370.00 ft			
Interval between Packers:	501.00 ft			
Tool Length:	534.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			3837.00	
Shut In Tool	5.00			3842.00	
Hydraulic tool	5.00	1113		3847.00	
Jars	5.00	01-07		3852.00	
EM Tool	5.00			3857.00	
Safety Joint	3.00	-001		3860.00	
Packer	5.00			3865.00	33.00 Bottom Of Top Packer
Packer	4.00			3869.00	
Stubb	1.00			3870.00	
Recorder	0.00	8959	Inside	3870.00	
Recorder	0.00	8734	Outside	3870.00	
Perforations	2.00			3872.00	
Change Over Sub	1.00			3873.00	
Drill Pipe	32.00			3905.00	
Change Over Sub	1.00			3906.00	
Perforations	19.00			3925.00	
Blank Off Sub	1.00			3926.00	
Packer - Shale	4.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	8520	Below	3931.00	
Perforations	20.00			3951.00	
Change Over Sub	1.00			3952.00	
Drill Pipe	412.00			4364.00	
Change Over Sub	1.00			4365.00	
Bullnose	5.00			4370.00	501.00 Bottom Packers & Anchor

**Total Tool Length: 534.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum Inc

**12-14S.-26W Gove,KS**

4924 SE 84th St  
New ton, KS 67114

**Cobra Rock #2**

Job Ticket: 68029

**DST#: 3**

ATTN: Randy Say

Test Start: 2022.01.26 @ 12:31:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	100% Mud w /Oil specks	0.197

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0

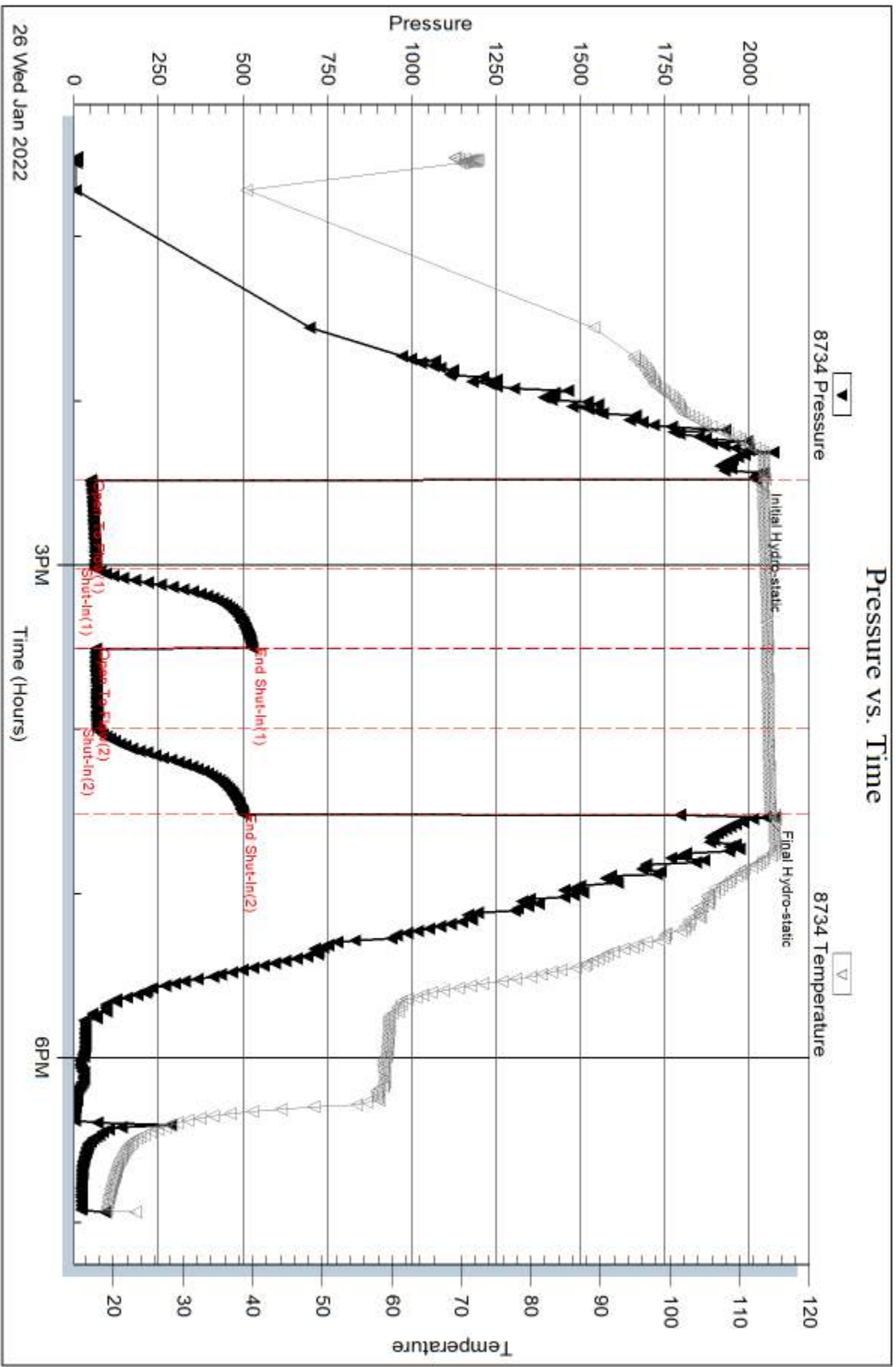
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



26 Wed Jan 2022

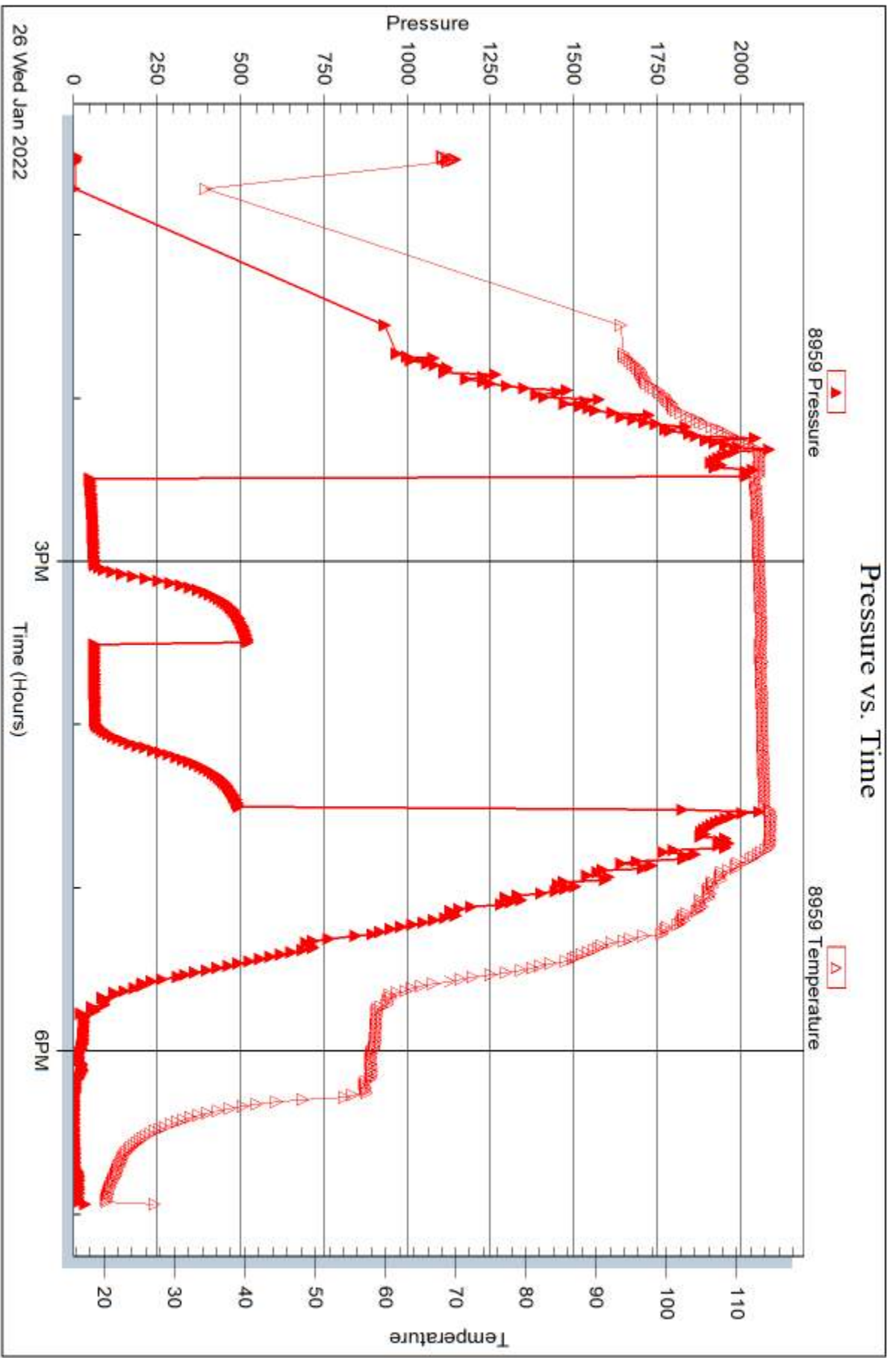
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Inside

Palomino Petroleum Inc

Cobra Rock #2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68029

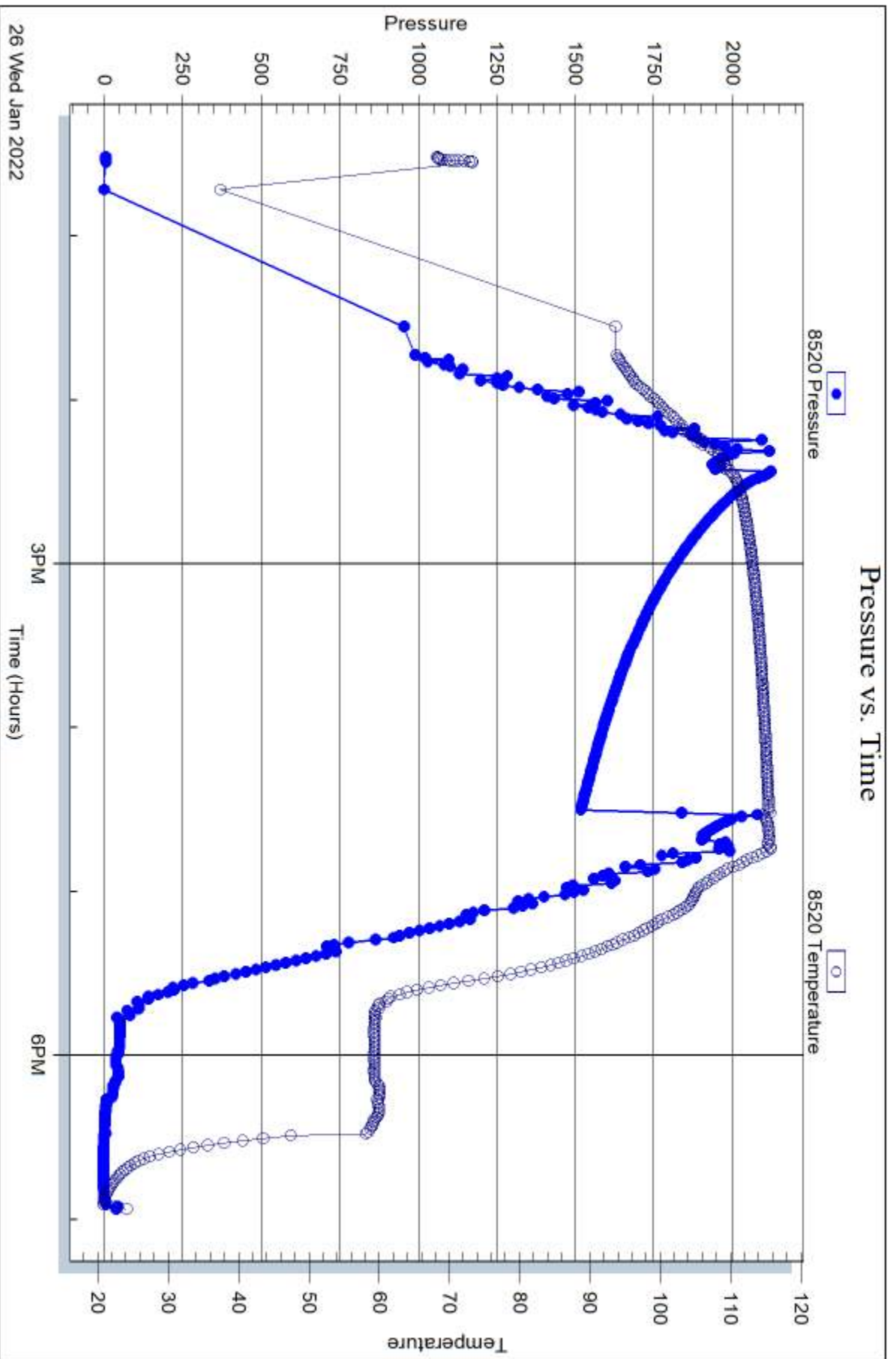
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Serial #: 8520

Below (Str Rattenho Petroleum Inc

Cobra Rock #2

DST Test Number: 3



26 Wed Jan 2022

Trilobite Testing, Inc

Ref. No: 68029

Printed: 2022.01.31 @ 10:24:44





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68027

Well Name & No. Cobra Rock #2 Test No. 1 Date 1-23-22  
 Company Palomino Petroleum Inc Elevation ~~2442~~ 2442 KB 2435 GL  
 Address 4924 SE 84<sup>th</sup> ST Newton, KS 67114  
 Co. Rep / Geo. Randy Say Rig STP #1  
 Location: Sec. 12 Twp 14S. Rge. 26W. Co. Gove State KS

Interval Tested 3850-3926. Zone Tested Lansing "HTI"  
 Anchor Length 76 Drill Pipe Run 3721 Mud Wt. 8.9  
 Top Packer Depth 3845. Drill Collars Run 121 Vis 60  
 Bottom Packer Depth 3850 Wt. Pipe Run — WL 8.0  
 Total Depth 3926 Chlorides 2600 ppm System LCM 1#  
 Blow Description IE - B.O.B (11 inches) @ 1 min. (blow increased to 138 1/2")  
ISE - Weak return @ 3 mins. built to 1/4"  
FE - B.O.B @ 2 1/2 mins (blow increased to 102 3/4")  
FSE - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1770'</u>	<u>M5W</u>		<u>97</u>	<u>3</u>	
<u>180'</u>	<u>MCM w/oil scum.</u>		<u>22</u>	<u>78</u>	

Rec Total 1950 BHT 121° Gravity — API RW 10.55 @ 5200 F Chlorides 17,000 ppm  
 (A) Initial Hydrostatic 1869  Test 1300 T-On Location 14:15  
 (B) First Initial Flow 204  Jars 250 T-Started 15:37  
 (C) First Final Flow 636  Safety Joint 75 T-Open 18:19  
 (D) Initial Shut-In 1161  Circ Sub \_\_\_\_\_ T-Pulled 19:49  
 (E) Second Initial Flow 635  Hourly Standby \_\_\_\_\_ T-Out 22:32  
 (F) Second Final Flow 904  Mileage 136 RT <sup>170</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 1161  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1879  Straddle \_\_\_\_\_  EM Tool 350  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 350  
 Accessibility \_\_\_\_\_ Total 2145  
 Sub Total 1795 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative A. [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68028

Well Name & No. Cobra Rock #2 Test No. 2 Date 1-24-22  
 Company Palomino Petroleum, Inc. Elevation 2442. KB 2435 GL  
 Address 4924 SE 84th ST Newton, KS 67114  
 Co. Rep / Geo. Randy Say Rig STP#1  
 Location: Sec. 12 Twp 14S. Rge. 26W. Co. Gove State KS.

Interval Tested 3930 - 4000 Zone Tested Lansing "J, K, + L"  
 Anchor Length 70' Drill Pipe Run 3784 Mud Wt. 9.1  
 Top Packer Depth 3925 Drill Collars Run 121 Vis 57  
 Bottom Packer Depth 3930 Wt. Pipe Run — WL 9.6  
 Total Depth 4000 Chlorides 3000 ppm System LCM 2#

Blow Description IF - B.O.B (11 inches) @ 14 mins (blow increased to 26")  
ISI - No return  
FF - B.O.B @ 14 mins (blow increased to 37 1/4')  
FSI - Return blow @ 10 mins built to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>GMO</u>	<u>27</u>	<u>37</u>	<u>36</u>	
<u>0</u>	<u>650' GIP</u>				

Rec Total 320 BHT 115° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>1916</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:30</u>
(C) First Final Flow <u>107</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:42</u>
(D) Initial Shut-In <u>909</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>18:42</u>
(E) Second Initial Flow <u>107</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:55</u>
(F) Second Final Flow <u>166</u>	<input checked="" type="checkbox"/> Mileage <u>136 RT</u> 170	Comments
(G) Final Shut-In <u>934</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1941</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility	Total <u>2145</u>
	Sub Total <u>1795</u>	MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative Matt Johnson  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **68029**

Well Name & No. Cobra Rex K #2 Test No. 3 Date 1-26-22  
 Company Palomino Petroleum, Inc Elevation 2442 KB 2435 GL  
 Address 4924 SE 84th ST Newton, KS 67114  
 Co. Rep / Geo. Randy Soy Rig STP #1  
 Location: Sec. 12 Twp 14S. Rge. 26W. Co. Gove. State KS.

Interval Tested 3869 - 3930 Zone Tested Lansing "H+I"  
 Anchor Length 61' Anchor 440' T. Pipe. Drill Pipe Run 3721 Mud Wt. 9.1  
 Top Packer Depth 3864 - 3869 Drill Collars Run 121 Vls 55  
 Bottom Packer Depth 3930 (Shale) Wt. Pipe Run --- WL 6.8  
 Total Depth 4370 L.T.D. Chlorides 3000 ppm System LCM 1#

Blow Description IF - blow built to 2"  
ISI - No return.

FF - Weak surface bubbles @ 15 min. maintained blow

FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>610</u>	<u>Mud w/oil specks.</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 115 Gravity --- API RW --- @ --- F Chlorides --- ppm

- (A) Initial Hydrostatic 2018
- (B) First Initial Flow 50
- (C) First Final Flow 63
- (D) Initial Shut-In 527
- (E) Second Initial Flow 65
- (F) Second Final Flow 68
- (G) Final Shut-In 501
- (H) Final Hydrostatic 2050

- Test 1450
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 136 RT 170
- Sampler
- Straddle 600
- Shale Packer 250
- Extra Packer
- Extra Recorder
- Day Standby 1d 14.25
- Accessibility
- Sub Total 2795

- T-On Location 11:15
- T-Started 12:31
- T-Open 14:29.
- T-Pulled 16:29
- T-Out 18:57
- Comments Tools loaded @  
19:34
- EM Tool 350
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 350 +475
- Total 3620
- MP/DST Disc't

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Approved By \_\_\_\_\_ Our Representative [Signature]

Triobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.