



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1256708
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1256708

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Luann Unit 1
Doc ID	1256708

Tops

Name	Top	Datum
Anhy.	1701	(+592)
Base Anhy.	1735	(+558)
Heebner	3647	(-1354)
Lansing	3683	(-1390)
BKC	3945	(-1652)
Marmaton	3960	(-1667)
Pawnee	4056	(-1763)
Ft. Scott	4155	(-1885)
Cherokee Sh.	4178	(-1953)
Miss.	4246	(-1953)
LTD	4424	(-2128)



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone:785-324-1041 fax:785-483-1087
 Email: cementing@ruraltel.net

Date: 5/8/2015
 Invoice # 1815 **RECEIVED**
 P.O.#: **MAY 16 2015**
 Due Date: 6/7/2015
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:
 Palomino Petroleum Inc
 4924 SE 84th
 Newton Ks 67114

Reference:
 LUANN UNIT 1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 592.20	No				
Common-Class A	120	\$ 1,614.21	Yes				
POZ Mix-Standard	80	\$ 453.79	Yes				
Calcium Chloride	6	\$ 270.62	Yes				
Pump Truck Mileage-Job to Nearest Camp	37	\$ 164.91	No				
Bulk Truck Matl-Material Service Charge	159	\$ 128.84	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	37	\$ 104.94	No				
Premium Gel (Bentonite)	3	\$ 39.58	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,369.09
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (84.23)

SubTotal for Taxable Items:	\$ 2,318.75
SubTotal for Non-Taxable Items:	\$ 966.12
Total:	\$ 3,284.86
Tax:	\$ 177.38

7.65% Trego County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,462.24
Applied Payments:
Balance Due: \$ 3,462.24

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1815

Date	5-8-15	Sec.	8	Twp.	15	Range	23	County	Trego	State	Ks	On Location		Finish	7:30 PM
Lease								Location		Wakeeny, Ks - 205 1/8E N/Int					

Lease	Luann unit	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Contractor	Ww 10			Charge To	Palamino Petroleum										
Type Job	Surface			Street											
Hole Size	12 1/4"	T.D.	217'	City											
Csg.	8 5/8"	Depth	217'	State											
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Tool		Depth		Cement Amount Ordered 150 80/20 3% CC 2% Gel											
Cement Left in Csg.	15'	Shoe Joint	15'												
Meas Line		Displace	12 3/4 BCS												

EQUIPMENT

Pumptrk	20	No.	Cementer		Common	120
			Helper	Nick	Poz. Mix	30
Bulktrk	9	No.	Driver	Douy	Gel.	3
			Driver		Calcium	6
Bulktrk	p.u.	No.	Driver	Rick		
			Driver			

JOB SERVICES & REMARKS

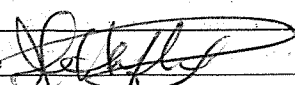
Remarks:	Cement did Circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	139
		Mileage	

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge
	Mileage 37

	Tax
	Discount
	Total Charge

X Signature 



SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
6/3/2015	27187

RECEIVED

JUN 10 2015

- Acidizing
- Cement
- Tool Rental

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

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	LuAnn	Trego	Express Well Serv...	Oil	Development	Block Squeeze	David E.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				30	Miles	5.00	150.00
578D-D	Pump Charge - Deep Squeeze (> 1500 Ft.)				1	Job	1,250.00	1,250.00
290	D-Air				1	Gallon(s)	42.00	42.00T
300 - 15%	Regular Acid				250	Gallons	1.75	437.50
230	Surf-3 ESA-N35 (Losurf 300)				1	Gallon(s)	25.00	25.00
235	INH.1 ESA-28				1	Gallon(s)	40.00	40.00
325	Standard Cement				50	Sacks	12.25	612.50T
581D	Service Charge Cement				50	Sacks	1.50	75.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							2,882.00
	Sales Tax Trego County						7.65%	50.07

We Appreciate Your Business!

Total

\$2,932.07



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

TICKET 27187

PAGE 1 OF 1

SERVICE LOCATIONS
 1. Hays Ks
 2. Ness City Ks
 3. _____
 4. _____

WELL/PROJECT NO. # 1
 LEASE Luann
 COUNTY/PARISH Trego
 STATE Ks
 CITY _____

TICKET TYPE
 SERVICE
 SALES

CONTRACTOR Express Well Service
 RIG NAME NO. _____

WELL TYPE Oil
 WELL CATEGORY Development
 WELL PERMIT NO. _____

JOB PURPOSE Block Squeeze
 WELLS LOCATION _____

DATE 6-3-15
 ORDER NO. _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>					MILEAGE # 111	30	mi			5.00	150.00
<u>578</u>					Pump Charge - Deep Squeeze	1	EA			1250.00	1250.00
<u>290</u>					D-Air	1	GM			42.00	42.00
<u>300</u>					Regular Acid 15%	250	GM			1.75	437.50
<u>230</u>					Surf. 3	1	GM			25.00	25.00
<u>235</u>					INH	1	GM			40.00	40.00
<u>325</u>					Standard Cement	50	SKS			12.25	612.50
<u>381</u>					Service Charge Cement	50	SKS			1.50	75.00
<u>582</u>					Minimum Drayage Charge	1	EA			250.00	250.00

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
 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

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?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 2882.00
 TAX 50.00
 TOTAL 2932.00

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

JOB LOG

SWIFT Services, Inc.

DATE 6-3-15 PAGE NO. 1

CUSTOMER Palomino Petroleum WELL NO. #1 LEASE Luann JOB TYPE Block Squeeze TICKET NO. 27187

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	100							On location
								2 7/8 x 5 1/2
								Perfs - 4271' - 76'
								PKR spot - 4280'
								PKR treat + squeeze - 4180
	230					3000		PSI Test @ 4308' - Held
	240	2.5	25.75			200		Spot Acid - Hole loaded - 250 gal
	250	.3	0			1200		Start flush
		2	7			500		End Flush
	300							- Swab Acid out
	400						500	load backside
	405	3.25				550		take inj Rate
	410	2	0			300		Start Cmt
	425	2	10.5			300		End Cmt
								Wash P+L
	430	3.5				0		Start Flow Displacement
		1.5	14					Catch psi
			18.5			2500		Stage
	450		19			2700		Shut in Wash truck
	500		19			2700		repressure
	505							Reverse out and wash down to perfs 4271'
	600					2500		Check squeeze
	610							T.O.O.H
								Thanks
								David, Austin & Preston

SWIFT



Services, Inc.

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



RECEIVED

MAY 30 2015

Invoice

DATE	INVOICE #
5/27/2015	28488

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	Luanne Unit	Trego	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
576D-D	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				135	Sacks	15.75	2,126.25T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	5 1/2" Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							4,447.75
	Sales Tax Trego County						7.65%	192.99

We Appreciate Your Business!

Total

\$4,640.74



CHARGE TO: **Paleo Petroleum**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET **28488**
 PAGE 1 OF 1

SERVICE LOCATIONS: **New City KS**

WELL/PROJECT NO.: **#1** LEASE: **Leanna, Unit** COUNTY/PARISH: **Trego** STATE: **KS** CITY: **Ransom** DATE: **27 MAY 15** OWNER: **PALEO**

TICKET TYPE: SERVICE SALES CONTRACTOR: **SWISS** RIG NAME/NO.: **CT** SHIPPED VIA: **CT** DELIVERED TO: **location** ORDER NO.: **8-15-23**

WELL TYPE: **D1** WELL CATEGORY: **Development** JOB PURPOSE: **cement part collar** WELL PERMIT NO.: **8-15-23**

REFERRAL LOCATION: **INVOICE INSTRUCTIONS**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM		
575					MILEAGE	25	mi			500	12500
576 D					Pump Charge	1	ea			12500	12500
30					SMD count	1357	sk			1575	212625
276					Flare	50	lb			225	11250
290					D-air	2	gal			4200	8400
581					Service charge	200	sk			150	30000
582					Drayage (min)	1	ea			25000	25000
104					Part collar Tool Rental	1	ea			5200	20000

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

DATE SIGNED: *[Signature]* TIME SIGNED: *[Signature]*

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

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				444775
WE UNDERSTOOD AND MET YOUR NEEDS?				
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		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

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

SWIFT OPERATOR: *[Signature]* APPROVAL: *[Signature]*

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 27 May 15 PAGE NO. 1

CUSTOMER Palawine Petroleum WELL NO. #1 LEASE Luanne Unit JOB TYPE Cement port collar TICKET NO. 28488

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								2000 SMD w/ 4# floccle
								2 3/4" Port collar @ 1700'
	0915							on loc TRK 114
	0945					1000	1000	test to 1000 psi - hold - open port collar
	0948	3 1/2	2			400		inj rate 3 1/2 bpm @ 400 psi
	0950	3 1/2				400		mix SMD cement @ 11.2 ppg
		3 1/2	6			400		fluid to surface
	1012	3 1/2	72			450		— cement to surface —
			6					Displace w/ H ₂ O 135 gal mixed
								close port collar
	1018					1000	1000	test to 1000 - hold
	1022							Run 5 joints
	1028							Reverse hole clean
								pull tool
								wash truck
								Back up
	1105							job complete
								Thanks
								Blaine, Flint & Ken

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
5/17/2015	28485

RECEIVED

MAY 20 2015

- Acidizing
- Cement
- Tool Rental

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

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	LeAnn Unit	Trego	WW Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				25	Miles	5.00	125.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket				2	Each	250.00	500.00T
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	225.00	225.00T
409-5	5 1/2" Turbolizer				10	Each	75.00	750.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
325	Standard Cement				100	Sacks	12.25	1,225.00T
284	Calseal				5	Sack(s)	30.00	150.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				75	Lb(s)	2.25	168.75T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				225	Sacks	1.50	337.50
582D	Minimum Drayage Charge				1	Each	250.00	250.00
Subtotal								10,784.00
Sales Tax Trego County							7.65%	674.84

We Appreciate Your Business!

Total

\$11,458.84



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

TICKET 28485
 PAGE 1 OF 2

Services, Inc.

1. SERVICE LOCATIONS: New City KS WELL/PROJECT NO. 1 LEASE Learn Unit COUNTY/PARISH TROCO STATE KS CITY Wakeeney DATE 17 May 15 OWNER
 2. TICKET TYPE: SERVICE CONTRACTOR RIG NAME NO. 10 SHIPPED WT DELIVERED TO location ORDER NO.
 3. WELLS TYPE: 0.1 WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO.
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK 114	25	mi				5.00	125.00
578					Pump Charge	1	ea				1250.00	1250.00
403					Cement Basket	5 1/2	in	2	ea		250.00	500.00
404					Pant Collar	5 1/2	in	1	ea		2500.00	2500.00
406					Latex Down Plug & buffer	5 1/2	in	1	ea		200.00	200.00
409					Turbolizer	5 1/2	in	10	ea		75.00	750.00
419					Rotating head Rental	5 1/2	in	1	ea		200.00	200.00

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.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5605.00
WE UNDERSTOOD AND MET YOUR NEEDS?				5734.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				51784.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				101784.00
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/>	<input type="checkbox"/>		674.00
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				11458.84

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X Blaine DATE SIGNED TIME SIGNED
 AM PM

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

SWIFT OPERATOR: Beahm APPROVAL: Beahm
 Thank You!



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

TICKET CONTINUATION

TICKET No. **28485**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DE			QTY	U/M	QTY	U/M			
330		1				2ND count	125	sk			17	75	1968.75
325		1				2nd 3rd count (for #2)	100	sk			17	25	1205.00
284		1				calceal	500	lb	5	sk		30.00	150.00
283		1				salt	500	lb				0.20	100.00
285		1				CFR	50	lb				4.50	225.00
276		1				Flouder	75	lb				2.25	168.75
281		1				mulf lusk	500	gal				1.25	625.00
221		1				KCL Liquid	4	gal				25.00	100.00
290		1				D-Air	2	gal				42.00	84.00
582		1				Drayage (win)						2.50	250.00
581		1				SERVICE CHARGE						1.50	337.50
MILEAGE CHARGE							TOTAL WEIGHT	LOADED MILES		CUBIC FEET			
							22014	225		100			
CONTINUATION TOTAL													5934.00

Customer: **Petroleum**
Well: **Luenn Unit #1**

DATE: **17 MAY 15** PAGE: **2** OF: **2**

JOB LOG

SWIFT Services, Inc.

DATE 17 MAY 15 PAGE NO. 1

CUSTOMER *Petroleum* WELL NO. *#1* LEASE *Leann Unit* JOB TYPE *cement log string* TICKET NO. *28465*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD cement w/ #1 flocc 100 sk EA-2 w/ #1 flocc @ 52" x 14" casing 106 ft 4424' 43' shoe + Port Collar #66 1721' Centralize 1, 3, 4, 6, 8, 10, 12, 14, 16 Basket 2, 66
	1430							on loc TRK 114
	1432							start 5 1/2" x 14" casing in well
	1630							Drop ball - circulate - ROTATE
	1730	4 3/4	12				200	Pump 500 gal mud flush
		4 3/4	20				200	Pump 20 bbl KCL flush
	1736		7					Plug RH 30 sk
	1740	3 1/2	41				200	MIX SMD cement 95 sk @ 12.5 ppg
		3 1/2	24				200	MIX EA-2 cement 100 sk @ 15.3 ppg
								Drop latch down plug wash out pump & line
	1805	6					200	Displace plug (KCL in first 20 bbl)
		6	92				350	
		6	104				850	
	1820	6	107				1650	Land plug
								Release pressure to truck - dried up
	1825							wash truck
								Rack up
	1900							job complete + Hunk Blades, first 5 used

DIAMOND TESTING

General Information Report

General Information

Company Name PALOMINO PETROLEUM, INC.
Contact KLEE WATCHOUS
Well Name LUANN UNIT #1
Unique Well ID DST #4, MISSISSIPPIAN, 4260-4269
Surface Location SEC 8-15S-23W, TREGO CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, MISSISSIPPIAN, 4260-4269
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator PALOMINO PETROLEUM, INC.
Report Date 2015/05/16
Prepared By TIM VENTERS
Qualified By ANDREW STENZEL

Start Test Date 2015/05/16
Final Test Date 2015/05/16

Start Test Time 13:00:00
Final Test Time 19:19:00

Test Recovery:

RECOVERED: 195' GAS IN PIPE

180' GO, 5% GAS, 95% OIL, GRAVITY: 33
255' G, SW&MCO, 3% GAS, 94% OIL, 2% WATER, 1% MUD
65' G, HOSMCW, 12% GAS, 34% OIL, 47% WATER, 7% MUD
185' SO&MCW, 13% OIL, 81% WATER, 6% MUD
685' TOTAL FLUID

TOOL SAMPLE: 98% OIL, 1% WATER, 1% MUD

CHLORIDES: 21,000 ppm

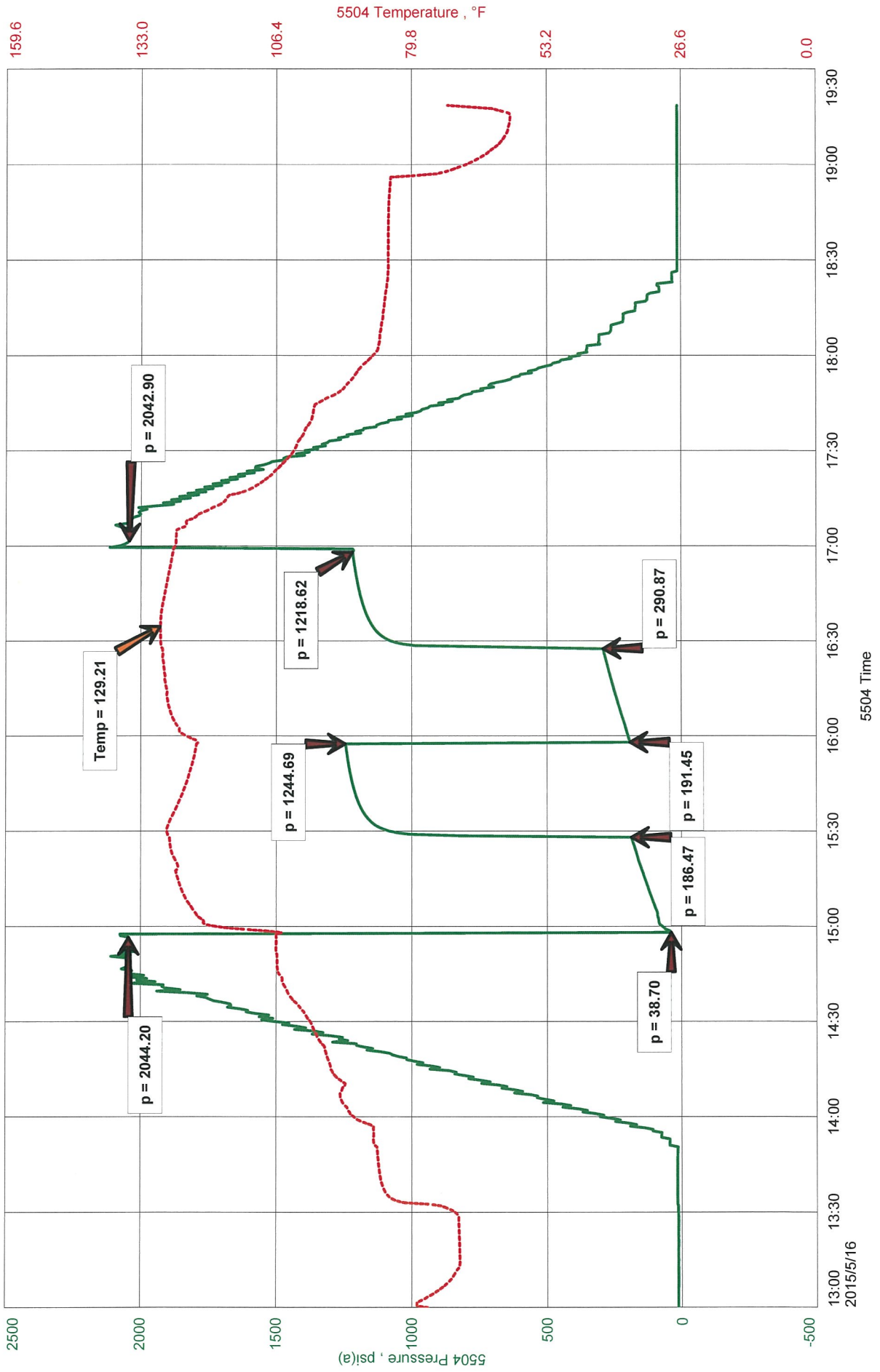
PH: 6.0

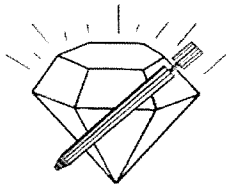
RW: .8 @ 70 deg.

PALOMINO PETROLEUM, INC.
 DST #4, MISSISSIPPIAN, 4260-4269
 Start Test Date: 2015/05/16
 Final Test Date: 2015/05/16

LUANN UNIT #1
 Formation: DST #4, MISSISSIPPIAN, 4260-4269
 Pool: WILDCAT
 Job Number: T464

LUANN UNIT #1





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: LUANNUNIT1DST4

TIME ON: 13:00
 TIME OFF: 19:19

Company PALOMINO PETROLEUM, INC. Lease & Well No. LUANN UNIT #1
 Contractor WW DRILLING, LLC RIG #10 Charge to PALOMINO PETROLEUM, INC.
 Elevation 2293 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T464
 Date 5-16-15 Sec. 8 Twp. _____ 15 S Range _____ 23 W County TREGO State KANSAS
 Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4260 ft. to 4269 ft. Total Depth 4269 ft.
 Packer Depth 4255 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4260 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 4241 ft. Recorder Number 5504 Cap. _____ 5,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ 4266 ft. Recorder Number 11029 Cap. _____ 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 123 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,400 P.P.M. Drill Pipe Length 4016 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 9 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 8 1/2 MIN. (2 1/2" BB)
 2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 12 1/2 MIN. (1" BB)

Recovered <u>195</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>180</u> ft. of <u>GO, 5% GAS, 95% OIL, GRAVITY: 33</u>	
Recovered <u>255</u> ft. of <u>G, SW&MCO, 3% GAS, 94% OIL, 2% WATER, 1% MUD</u>	
Recovered <u>65</u> ft. of <u>G, HOSMCW, 12% GAS, 34% OIL, 47% WATER, 7% MUD</u>	
Recovered <u>185</u> ft. of <u>SO&MCW, 13% OIL, 81% WATER, 6% MUD</u>	Price Job
Recovered <u>685</u> ft. of <u>TOTAL FLUID CHLORIDES: 21,000 ppm</u>	Other Charges
Remarks: <u>PH: 6.0</u>	Insurance
<u>RW: .8 @ 70 deg.</u>	
<u>TOOL SAMPLE: 98% OIL, 1% WATER, 1% MUD</u>	Total

Time Set Packer(s) 2:58 PM A.M. P.M. Time Started Off Bottom 4:58 PM A.M. P.M. Maximum Temperature 129 deg.
 Initial Hydrostatic Pressure..... (A) 2044 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 39 P.S.I. to (C) 186 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 1245 P.S.I.
 Final Flow Period..... Minutes 30 (E) 191 P.S.I. to (F) 291 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 1219 P.S.I.
 Final Hydrostatic Pressure..... (H) 2043 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

General Information Report

General Information

Company Name PALOMINO PETROLEUM, INC.
Contact KLEE WATCHOUS
Well Name LUANN UNIT #1
Unique Well ID DST #3, MISSISSIPPIAN, 4172-4261
Surface Location SEC 8-15S-23W, TREGO CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, MISSISSIPPIAN, 4172-4261
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator PALOMINO PETROLEUM, INC.
Report Date 2015/05/16
Prepared By TIM VENTERS

Qualified By ANDREW STENZEL

Start Test Date 2015/05/16
Final Test Date 2015/05/16

Start Test Time 00:44:00
Final Test Time 07:38:00

Test Recovery:

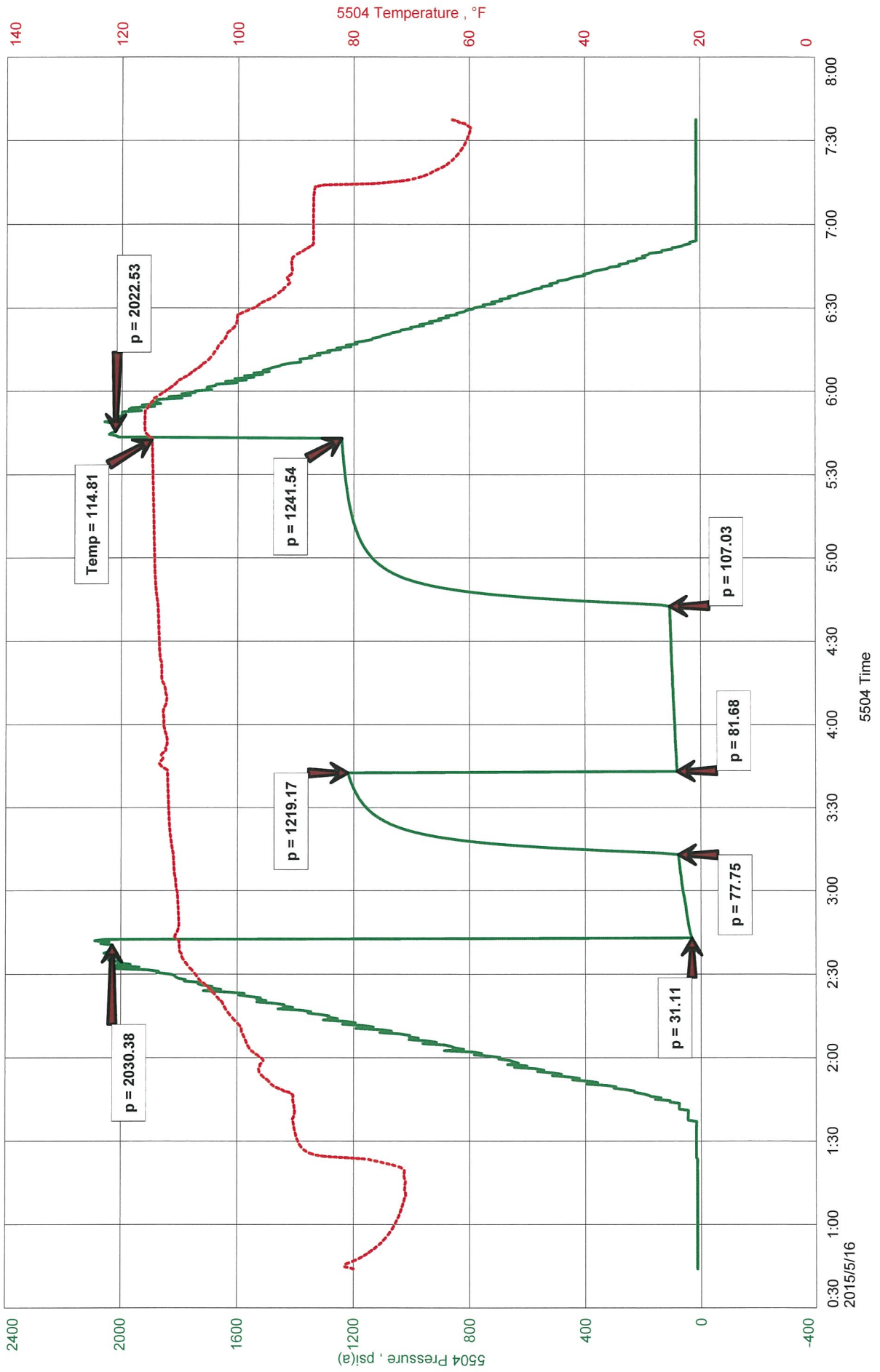
RECOVERED: 65' HMCO, 54% OIL, 46% MUD
120' OCM, 17% OIL, 83% MUD
185' TOTAL FLUID

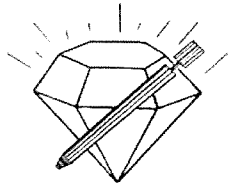
TOOL SAMPLE: 16% OIL, 84% MUD

PALOMINO PETROLEUM, INC.
DST #3, MISSISSIPPIAN, 4172-4261
Start Test Date: 2015/05/16
Final Test Date: 2015/05/16

LUANN UNIT #1
Formation: DST #3, MISSISSIPPIAN, 4172-4261
Pool: WILDCAT
Job Number: T463

LUANN UNIT #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUANNUNIT1DST3

TIME ON: 00:44
TIME OFF: 07:38

Company PALOMINO PETROLEUM, INC. Lease & Well No. LUANN UNIT #1
Contractor WW DRILLING, LLC RIG #10 Charge to PALOMINO PETROLEUM, INC.
Elevation 2293 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T463
Date 5-16-15 Sec. 8 Twp. 15 S Range 23 W County TREGO State KANSAS
Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4172 ft. to 4261 ft. Total Depth 4261 ft.
Packer Depth 4167 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4172 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4153 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4258 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4016 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 4 INCHES. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 4 INCHES. (NO BB)

Recovered 65 ft. of HMCO, 54% OIL, 46% MUD
Recovered 120 ft. of OCM, 17% OIL, 83% MUD
Recovered 185 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 16% OIL, 84% MUD	Total

Time Set Packer(s) 2:43 AM A.M. P.M. Time Started Off Bottom 5:43 AM A.M. P.M. Maximum Temperature 115 deg.
Initial Hydrostatic Pressure..... (A) 2030 P.S.I.
Initial Flow Period..... Minutes 30 (B) 31 P.S.I. to (C) 78 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1219 P.S.I.
Final Flow Period..... Minutes 60 (E) 82 P.S.I. to (F) 107 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1242 P.S.I.
Final Hydrostatic Pressure..... (H) 2023 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

General Information Report

General Information

Company Name PALOMINO PETROLEUM, INC.
Contact KLEE WATHCHOUS
Well Name LUANN UNIT #1
Unique Well ID DST #2, MISSISSIPPIAN, 4172-4253
Surface Location SEC 8-15S-23W, TREGO CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, MISSISSIPPIAN, 4172-4253
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator PALOMINO PETROLEUM, INC.
Report Date 2015/05/15
Prepared By TIM VENTERS

Qualified By ANDREW STENZEL

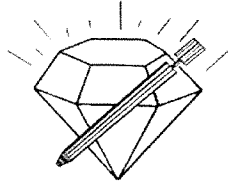
Start Test Date 2015/05/15
Final Test Date
Gauge Name
Gauge Serial Number

Start Test Time 13:31:00
Final Test Time

Test Recovery:

RECOVERED: 5' M W/SP. O, SPOTTY OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUANNUNIT1DST2

TIME ON: 13:31
TIME OFF: N/A

Company PALOMINO PETROLEUM, INC. Lease & Well No. LUANN UNIT #1
Contractor WW DRILLING, LLC RIG #10 Charge to PALOMINO PETROLEUM, INC.
Elevation 2293 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. T462
Date 5-15-15 Sec. 8 Twp. _____ 15 S Range _____ 23 W County TREGO State KANSAS
Test Approved By ANDREW STENZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4172 ft. to 4253 ft. Total Depth 4253 ft.
Packer Depth 4167 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4172 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4153 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4250 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,500 P.P.M. Drill Pipe Length 4016 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 17 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW THROUGHOUT PERIOD. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW LASTING 1 MIN. (NO BB)

Recovered 5 ft. of M W/SP. O, SPOTTY OIL, 100% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>FORGOT TO PUT ELEC. RECORDER IN FOR TEST. PRESSURES CAME FROM MECHANICAL RECORDER.</u>	Insurance
<u>TOOL SAMPLE: TRACE OIL, 100% MUD</u>	Total

Time Set Packer(s) 3:29 PM A.M. P.M. Time Started Off Bottom 5:29 PM A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) 2152 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 21 P.S.I.
Final Flow Period..... Minutes 30 (E) 16 P.S.I. to (F) 17 P.S.I.
Final Closed In Period..... Minutes 30 (G) 18 P.S.I.
Final Hydrostatic Pressure..... (H) 2152 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

General Information Report

General Information

Company Name PALOMINO PETROLEUM, INC.
Contact KLEE WATCHOUS
Well Name LUANN UNIT #1
Unique Well ID DST #1, LANSING "C&D", 3723-3754
Surface Location SEC 8-15S-23W, TREGO CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, LANISING "C&D", 3723-3754
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator PALOMINO PETROLEUM, INC.
Report Date 2015/05/14
Prepared By TIM VENTERS

Qualified By ANDREW STETZEL

Start Test Date 2015/05/13
Final Test Date 2015/05/14

Start Test Time 21:58:00
Final Test Time 04:52:00

Test Recovery:

RECOVERED: 35' SO&MCW, 1% OIL, 87% WATER, 12% MUD
500' SMCW, 93% WATER, 7% MUD
535' TOTAL FLUID

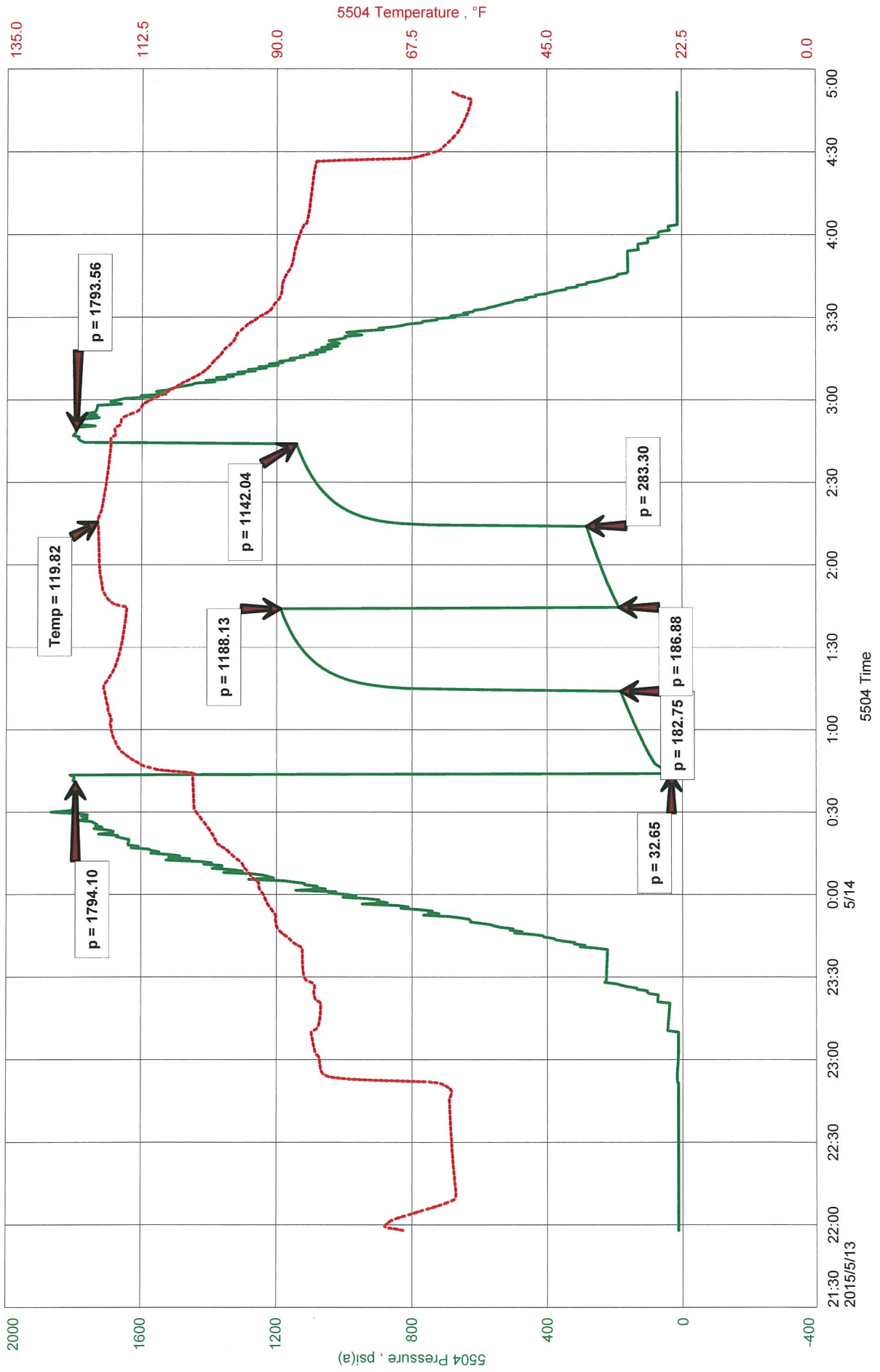
TOOL SAMPLE: TRACE OIL, 88% WATER, 12% MUD

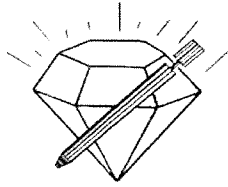
CHLORIDES: 96,000 ppm
PH: 6.0
RW: .14 @ 71 deg.

PALOMINO PETROLEUM, INC.
 DST #1, LANSING "C&D", 3723-3754
 Start Test Date: 2015/05/13
 Final Test Date: 2015/05/14

LUANN UNIT #1
 Formation: DST #1, LANISING "C&D", 3723-3754
 Pool: WILDCAT
 Job Number: T461

LUANN UNIT #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LUANNUNIT1DST1

TIME ON: 21:58 5-13-15
TIME OFF: 04:52 5-14-15

Company PALOMINO PETROLEUM, INC. Lease & Well No. LUANN UNIT #1
Contractor WW DRILLING, LLC RIG #10 Charge to PALOMINO PETROLEUM, INC.
Elevation 2293 KB Formation LANSING "C&D" Effective Pay _____ Ft. Ticket No. T461
Date 5-14-15 Sec. 8 Twp. 15 S Range 23 W County TREGO State KANSAS
Test Approved By ANDREW STETZEL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3723 ft. to 3754 ft. Total Depth 3754 ft.
Packer Depth 3718 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3723 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3704 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3751 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 47 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 3567 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 31 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (NO BB)
2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 14 1/2 MIN. (NO BB)

Recovered 35 ft. of SO&MCW, 1% OIL, 87% WATER, 12% MUD
Recovered 500 ft. of SMCW, 93% WATER, 7% MUD
Recovered 535 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 96,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 6.0	Other Charges
Remarks: _____	RW: .14 @ 71 deg.	Insurance

TOOL SAMPLE: TRACE OIL, 88% WATER, 12% MUD Total _____

Time Set Packer(s) 12:44 AM A.M. P.M. Time Started Off Bottom 2:44 AM A.M. P.M. Maximum Temperature 120 deg.
Initial Hydrostatic Pressure..... (A) 1794 P.S.I.
Initial Flow Period..... Minutes 30 (B) 33 P.S.I. to (C) 183 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1188 P.S.I.
Final Flow Period..... Minutes 30 (E) 187 P.S.I. to (F) 283 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1142 P.S.I.
Final Hydrostatic Pressure..... (H) 1794 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnet 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 statement or opinion concerning the result 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.