

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</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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P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
11/18/2021	33939

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

RECEIVED
NOV 22 2021
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	From Russia ...	Ness	Murfin	Oil	Development	5 1/2 Longstring	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	2,050.00	2,050.00
403-5	5 1/2" Cement Basket				4	Each	275.00	1,100.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				14	Each	90.00	1,260.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				10	Gallon(s)	42.00	420.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				150	Lb(s)	3.00	450.00T
330	Swift Multi-Density Standard (MIDCON II)				450	Sacks	18.00	8,100.00T
581D	Service Charge Cement				550	Sacks	2.00	1,100.00
583D	Drayage				553	Ton Miles	1.00	553.00
	Subtotal							18,603.00
	Sales Tax Ness County						6.50%	960.70
We Appreciate Your Business!							Total	\$19,563.70



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

TICKET **33939**
 PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>From Russia with Love</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>11-18-2021</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>MUREIN</u>	RIG NAME/NO. <u>#21</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Locantian</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>01</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long Strays</u>	WELL LOCATION <u>Ward, 3/4-11,</u>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		U/M	U/M	U/M			
575		1			MILEAGE				20 mi	6.00	120.00
579		1			Pump Charge - Top to Bottom				1 job	2,050.00	2,050.00
403		1			Cement Baskets				4 EA	276.00	1,104.00
406		1			Latch clean Plug + Baffle				1 EA	250.00	250.00
407		1			Insert Float Shoe w/ Auto Fill				5 1/2 IN	325.00	325.00
409		1			Turbolizers				14 EA	90.00	1,260.00
281		1			Mud Flush				500 gal	1.00	750.00
221		1			Liquid KCL				4 gal	25.00	100.00
290		1			D-Air				10 gal	42.00	420.00

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

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

DATE SIGNED: 11-18-2021 TIME SIGNED: 4:00
 A.M. P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1
WE UNDERSTOOD AND MET YOUR NEEDS?				2
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				3
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				4
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
CUSTOMER DID NOT WISH TO RESPOND				6
TOTAL				1958.00

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!



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

TICKET CONTINUATION

TICKET No. 33939

CUSTOMER Palomares Petroleum

WELL From Russian w/ Love

DATE 11-18-2021 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
326						Standard Cement								
284						Cal Seal			5	SKS	410	200	200	200
283						SALT			500	lbs	0.26	126	200	200
285						CFR			50	lbs	5.00	250	200	200
276						Flocebe			160	lbs	3.00	450	200	200
330						Swift Multi-Density Cement			450	SKS	18.00	8100	200	200
581						SERVICE CHARGE			550		2.00	1100	200	200
583						MILEAGE CHARGE			563		1.00	563	200	200

CONTINUATION TOTAL 12,228.00

JOB LOG

SWIFT Services, Inc.

DATE 11-18-2021 PAGE NO. 1

CUSTOMER *Palomares Petroleum* WELL NO. *#1* LEASE *From Russia with Love* JOB TYPE *Long String 5 1/2* TICKET NO. *33939*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1730							ON LOCATION 5 1/2" 14 16/ft RTD: 4588 4620' LTD: 4602' TP: 4588' Set: 4599' SS: 39.25 Baskets: 22, 45, 66, 102 Turbo: 1-11, 44, 65, 101 Out: 85, 86, 112
	2010							START 5 1/2 Csg in Well
	2345	2	8		✓		800	Drop Ball - Circulate - Did NOT Break Circ
	0000	4	12		✓		260	Hook Pump Truck up to Break Circ - Circ w/ mud Pump
		4	20		✓		250	Pump 500 gal Mud Flush
								Pump 20 bbl KCL SPACER
	0100	1 1/2	10		✓		75	Plug RH 30 sks
	0110	3 1/2	194		✓		200	Mix 300 sks of SMD @ 11.2 ppg
		3 1/2	27		✓		200	Mix 70 sks of SMD @ 12.5 ppg
		3 1/2	24		✓		200	Mix 100 sks of EA-2 @ 15.36 ppg
	0230							Wash Pump + Lines Release latch down Plug
	0235	6 1/2	0		✓		300	Begin Displacement w/ 2gal KCL in 2 nd 20661
		6 1/2	20		✓		300	lift PSI
		6 1/2	110		✓		1200	MAX lift PSI
	0300	5 1/2	111.90		✓		2000	LAND latch down Plug - Release PSI * Hold *
								* CMT Circulated 89 bbl INTO Disp, but then Circulation was lost Circulation Gained for 3-4 bbl + was lost Again. Cellar Staged Full after KO
								* Approx 5 sks to the Pit * Wash up Trk #114 450 SMD + 100 EA-2 used Thanks! Pudean, Kueby, John, Mack

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial

Measured Depth Log

Well Name: From Russia With Love No.1
API: 15-135-26120
Location: NE SW NW NW Sec.9-T19S-R25W, Ness Co., KS
License Number: Region: Laird Southwest Field
Spud Date: 11/11/2021 Drilling Completed: 11/18/21
Surface Coordinates: 985'FNL 370'FWL
Latitude 38.418342373/ Longitude 100.098919024
Bottom Hole Coordinates:
Ground Elevation (ft): 2523 K.B. Elevation (ft): 2534
Logged Interval (ft): 3750 To: 4620 Total Depth (ft): 4620
Formation: Lansing, Marmaton, Miss
Type of Drilling Fluid: Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St
Newton, KS 67114-8827
316-799-1000

GEOLOGIST

Name: Randy Say
Company: RSay Enterprises
Address: 13524 W. 67th Way
Arvada, CO 80004
303-940-8751

Casing/ Data

Surface Casing 8.625" set at 235
Production Casing 5.50" set at 4619

DSTs

DST No.1 4494-4530(36) Mississippian Conventional successful test

IF: 25 min; Strong building blow 72"

ISI: 30 min, No blow back

FF: 30 min; 0.35", 2" valve not closed completely

FSI: 25 min, 0.75" blow back

REC: 1580 Total; 740 water; 360 Gassy O&MCW [10% Gas; 5% Oil; 65% W; 20% M]; 360 Gassy O&MCW [10% Gas; 10% Oil; 50% W; 30% Mud]; 120 Gassy Oil [15% Gas; 85% Oil]; 90' GIP

BHT 132; Rw=0.23 @ 64F; CL=32,000ppm; Gravity 38 @ 65F=37.5

IHP 2310; IFP 123-551; ISIP 1296; FFP 570-810; FSIP 1296; FHP 2277

DST No.2 4490-4438(46) Fort Scott Straddle Successful Test

IF: 15 min; Strong blow BOB in 1 min, built to 620"

ISI: 30 min, GTS when bleeding off blow

FF: 15 min, Strong gauging gas

FSI: 30 min, Bleeding off gas

REC: 3640 Total Gassy Oil; 70% Oil/30% Gas; 48.81 BBLs; 38 Gravity @ 40F

Gas Rates Information

Temp 59F, Relative Density 0.65, Z Factor 0.8

Flow Period Elapsed Time Choke Pressure Gas Rate

Period	Min	Inches	PSIG	MCF/D
2	5	0.25	9.70	38.23
2	5	0.25	9.70	38.23
2	10	0.25	18.60	52.35

IHP 2332; IFP 683-837; ISIP 1154; FFP 913-1034; FSIP 1156; FHP 2156

Logging Program

Gemini Wireline, LLC, Hays, KS, Corey Patterson

Logs	Interval
DIL	210-4600
Litho Density Neutron	3600-4580
Micro Resistivity	3600-4600
Borehole Volume	300-4600

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



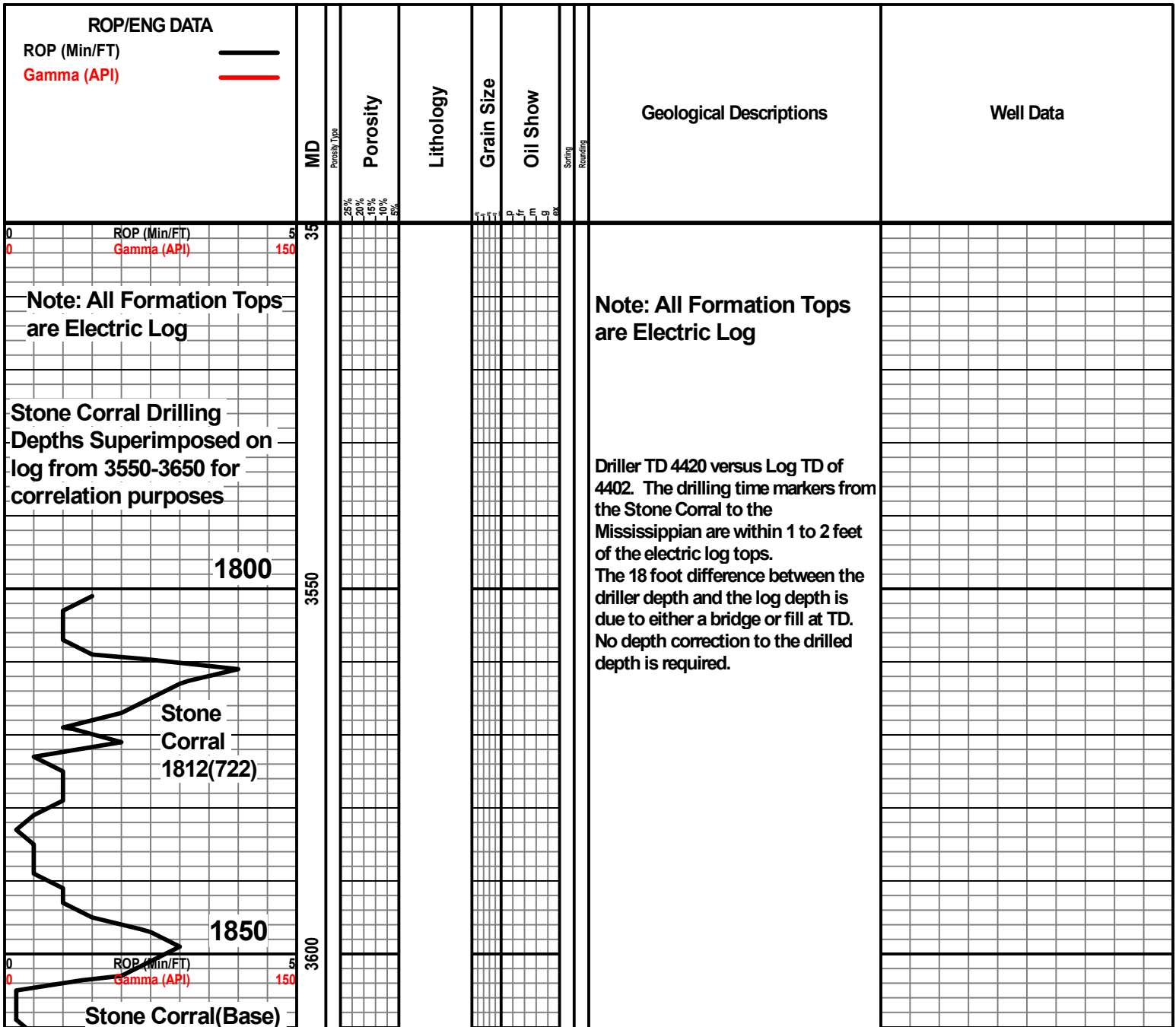
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

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

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol



1852(682)

1900

3650

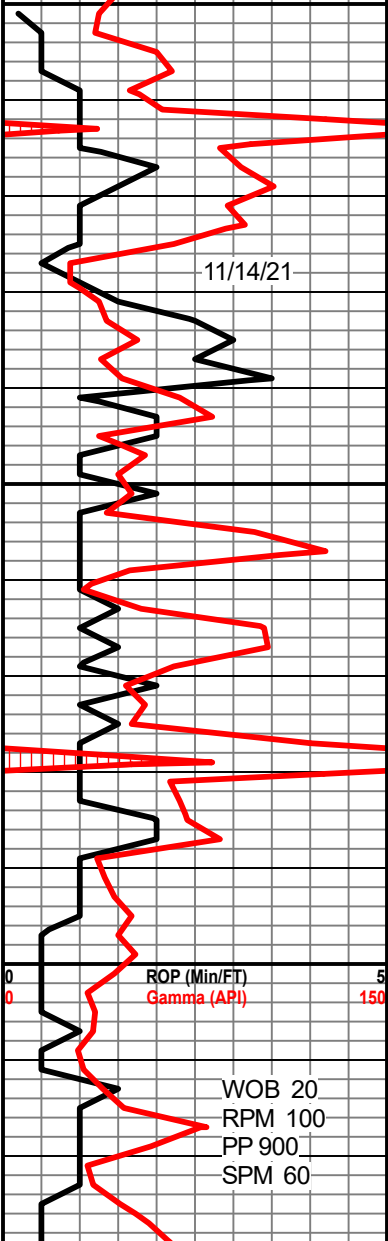
NB2 7.825" STC
MSI516 in @ 233

3700

11/14/21

3750

3800



ROP (Min/FT) 0 5
Gamma (API) 0 150

WOB 20
RPM 100
PP 900
SPM 60

10 foot samples begin at
3750 caught by crews,
lagged by wellsite
geologist

LS ltgy-wh litho fri vchky tr fos por-p
nsfoc

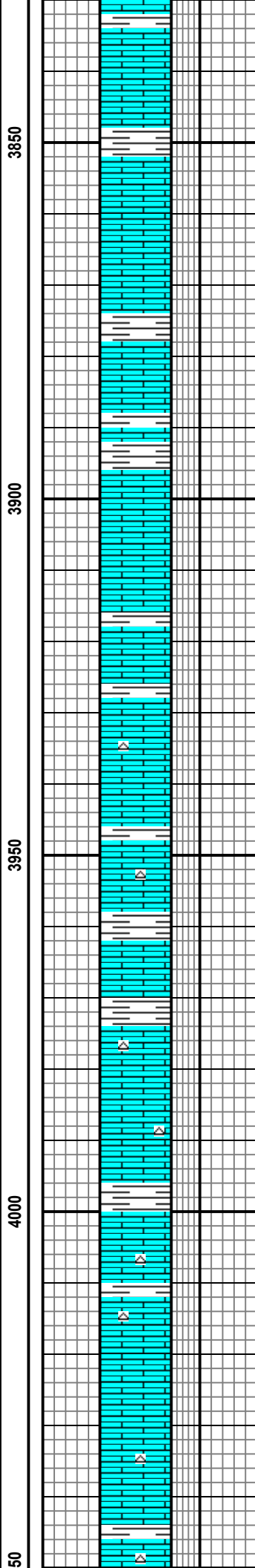
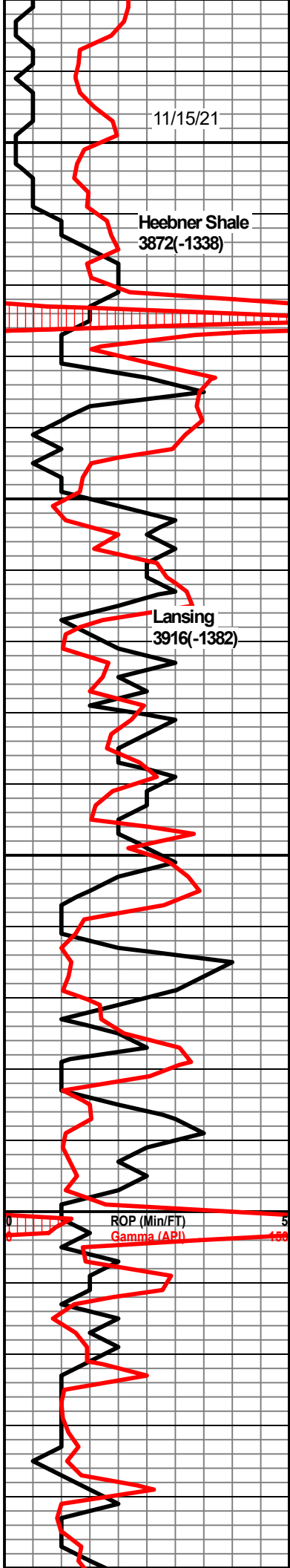
SH mgy sft pty

LS aa occ sft chky nsfoc

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

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





SH m-ltgy firm pty arg

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

SH mgy pty firm slcalc

SH m-occ dkgy sft blk carb w/in LS aa

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

SH aa

LS mot gy-wh xfxl-litho fri occ sdy w/tr cht wh hd por-p-tt nsfoc

incr tr cht wh ang

SH m-dkgy sft pty carb

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

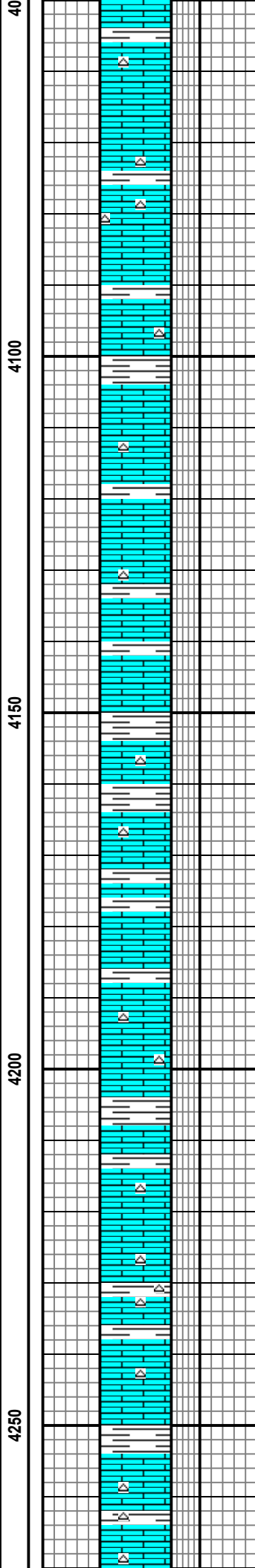
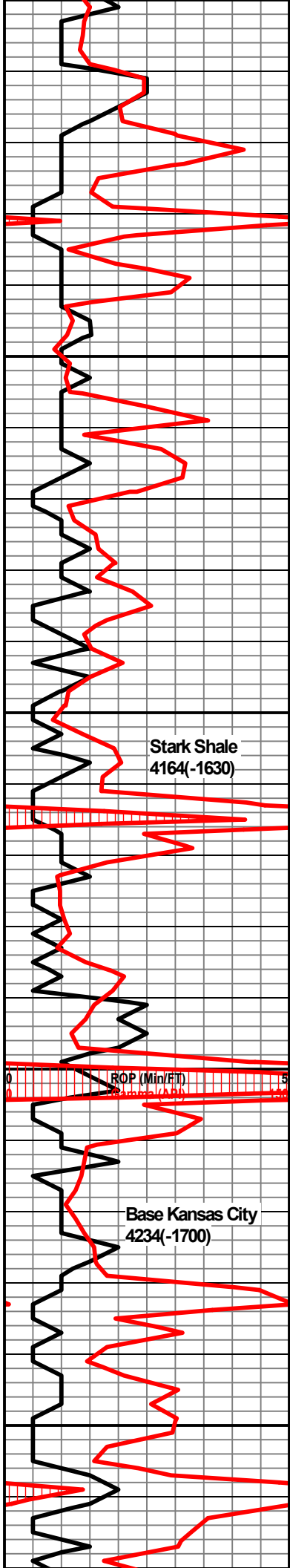
SH mgy-gybrn sft blk vcarb

tr cht mlky-wh ang

LS wh-crm xfxl-litho fri slty occ tr fos w/scat cht por-tt nsfoc

LS crm-ltgy xfxl firm slty occ cht & tr fos por-p-tt nsfoc

SH strgs mgy-sft blk carb



LS wh-ltgy xfxl-gran fri-firm tr cht occ
fos por-tt nsfoc

SH dkgy-gybrn sft blkly carb

LS tan-ltgy xfxl incr chty w/sh strgs
por-p nsfoc

SH aa

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

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

SH bk-gybrn sft-firm blkly vcarb

LS crm-ltgy fir-fri suc slpyr & tr cht
w/sh strgs; por-p-tt nsfoc

SH strgs dkgy-gybrn frim blkly vcarb

LS aa occ pyr por-tt nsfoc

SH aa occ dkgy sft blkly

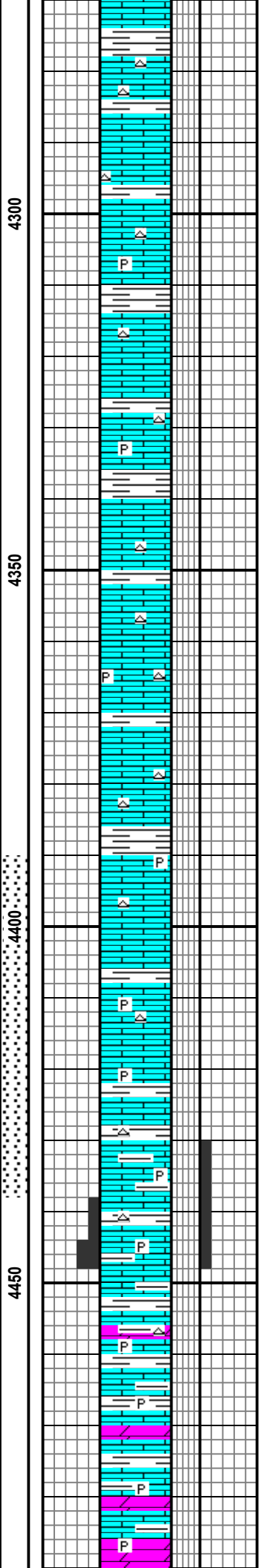
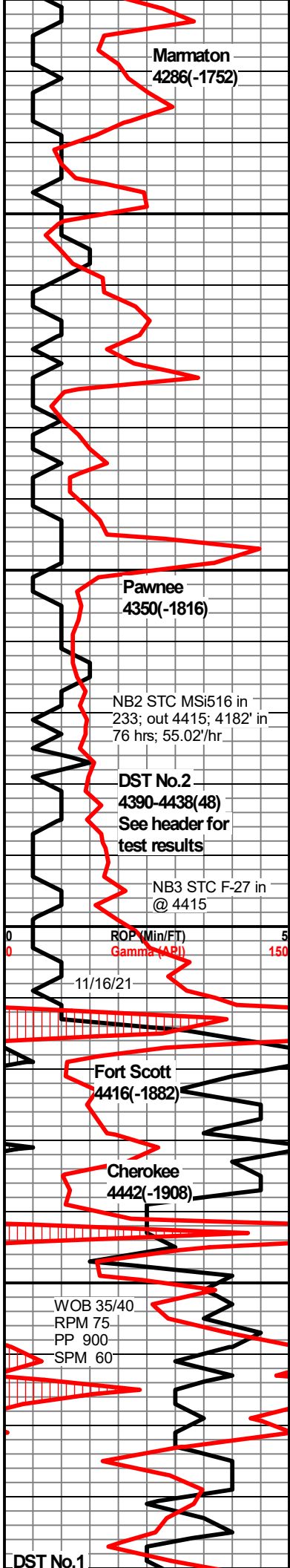
tr cht vltgy-wh ang

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

LS aa incr suc gran fri por-p nsfoc

SH dk-mgy sft plty carb

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



SH dkgy blkly carb slcalc

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

SH aa

tr cht wh vang

LS mgy-tan xfxl-gran fri suc to calc
infill firm incr poyr por-p nsfoc

SH m-dkgy plty vcarb

tr cht & pyr

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

SH m-dkgy firm blkly vcarb

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

LS tan xfxl firm slty slpyr w/cht & pyr
vf dissem por-p-tt nsfoc

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

Show No.1 4430-4448(18)

LS mot tan/gy-wh xfxl-gran vfri-firm
fos w/chk text; oilstn-none; flor-10%
pale yel; cut-10% very weak slow
mlky residual cut; res- mlky flor res,
no oilstn in dish

SH bk-dkgy firm blkly vcarb slcalc
intbd SH w/in LS aa occ dolo strgs;
por-tt nsfoc

tr pyr incr

LS crm-ltan firm-fri vchky incr vpyr
w/incr in thin tan dolo strgs & dkgy
sh strgs; por-p; nsfoc

DOL incr amt tan-ltgy xfxl-gran &
occ suc firm arg mtrx w/decr shl occ
tr dkgy chkt tr pyr; por-p; nsfoc

W 9.5
V 50
WL 8.0
pH 10.0
cK 1
CL 4100
Ca 40
LCM 1#/BBL

W 9.3
V 55
WL 6.8
pH 10.5
cK 1
CL 4700

4494-4530(36)
See header for
test results

MISS
4506(-1972)

NB3 STC F-27 in @
4494(4415)

WOB 35/40
RPM 75
PP 900
SPM 60

11/18/21

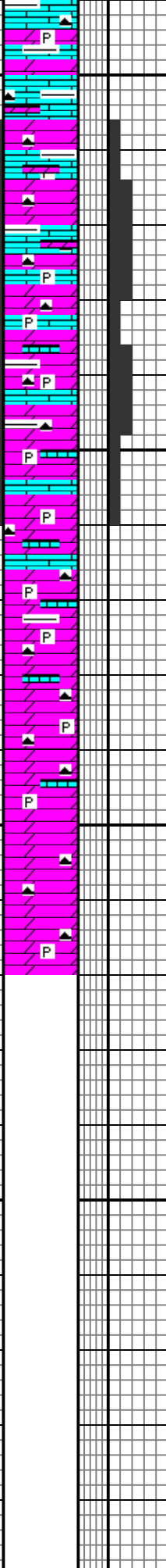
ROP (Min/FT)
Gamma (API)

NB3 STC F-27 in @
4415; 205' in 10.25
hrs/ 20 ft/hr

Total Depth(Driller) 4620(-2086)
Total Depth ELog 4602(-2068)

Driller TD 4420 versus Log TD of
4402. The drilling time markers
from the Stone Corral to the
Mississippian are within 1 to 2 feet
of the electric log tops.
The 18 foot difference between the
driller depth and the log depth is
due to either a bridge or fill at TD.
No depth correction to the drilled
depth is required

4500
4550
4600
4650
00



tr cht & pyr

Show No.2 4506-4560(52)

DOL tan-mgy gran-xfxl fri-firm suc text
arg mtrx; w/decr in intbd LS & vthin sh
strgs; tr cht & incr in pyr; por-fr-occ g(suc
dolo) occ vug por; oilstn-tan spotted
oilstn on suc dolo; no vis live oil; strng oil
odor in smpls; flor-30% myel; cut-30%
slow strm myel, incr to immed dkyel strm
when ctgs are crushed; res-mlky flor res
in dish w/vlttan oil ring

DOL mot tan-mgy-wh gran-xfxl fri-firm occ
hd xfxl arg mtrx w/tan suc dolo; thin intbd
LS & SH mgy strgsincr abnt pyr tr dkyg
cht; por-fr-occ g(suc dolo); oilstn-none;
flor-20% ltyel; cut-20% slow mlky strm
cut; res- flor res no tan oilstn in dish

DOL aa incr xfxl w/occ fri tan suc
dolo occ strgs mgy LS & tr mgy sft
sh strgs; incr in pyr & cht in smpls;
por-p-tt; nsfoc

DOL mot tan-brn-mgy xfxl-gran &
occ sucw/decr smt LS strgs, tr sh;
arg mtrx w/calc infill; por-p-tt; nsfoc

LS as thin strgs gy fri slty

DOL tan-crm-brm mot xfxl-occ suc
firm-fri occ hd dns pyr & cht; por-p-tt
nsfoc

DOL crm-ltgy pred xfxl-occ suc text;
firm-hd pyr vf dissem tr cht; por-p-tt
nsfoc

Ca 40
LCM 4##BBL

Strong oil odor in samples

Moderate oil odor in samples

W 9.5
V 56
WL 8.0
pH 10.0
cK 1
CL 4800
Ca 120
LCM 3##BBL



HURRICANE SERVICES INC

RECEIVED
DEC 02 2021
BY: _____

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: 11/11/2021
Invoice #: 0356981
Lease Name: From Russia With Love
Well #: 1 (New)
County: Ness, Ks
Job Number: WP2082
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	175.000	18.000	3,150.00
Light Eq Mileage	90.000	1.800	162.00
Heavy Eq Mileage	90.000	3.600	324.00
Ton Mileage	743.000	1.350	1,003.05
Depth Charge 0'-500'	1.000	900.000	900.00

Cement for surface for #1
11/11

Total 5,539.05

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

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

WE APPRECIATE YOUR BUSINESS!



Customer		Palomino Petroleum		Lease & Well #		From Russia With Love 1		Date		11/11/2021	
Service District		Oakley KS		County & State		Ness KS		Legals S/T/R		9-19S-25W	
Job Type		Surface		<input checked="" type="checkbox"/> PROD		<input type="checkbox"/> INJ		<input type="checkbox"/> SWD		New Well?	
								<input checked="" type="checkbox"/> YES		<input type="checkbox"/> No	
Equipment #		Driver		Job Safety Analysis - A Discussion of Hazards & Safety Procedures							
180/520		John									
242		Jimmie									
				<input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Lockout/Tagout <input type="checkbox"/> Warning Signs & Flagging <input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Required Permits <input type="checkbox"/> Fall Protection <input checked="" type="checkbox"/> Safety Footwear <input type="checkbox"/> Respiratory Protection <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards <input checked="" type="checkbox"/> Specific Job Sequence/Expectations <input checked="" type="checkbox"/> FRC/Protective Clothing <input type="checkbox"/> Additional Chemical/Acid PPE <input checked="" type="checkbox"/> Overhead Hazards <input checked="" type="checkbox"/> Muster Point/Medical Locations <input type="checkbox"/> Hearing Protection <input checked="" type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Additional concerns or issues noted below							
				Comments							

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	175.00	\$3,150.00
M015	Light Equipment Mileage	mi	90.00	\$162.00
M010	Heavy Equipment Mileage	mi	90.00	\$324.00
M020	Ton Mileage	tm	743.00	\$1,003.05
D010	Depth Charge: 0'-500'	job	1.00	\$900.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$5,539.05
		Total Taxable	\$ -
		Tax Rate:	
Based on this job, how likely is it you would recommend HSI to a colleague?		Sale Tax:	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Total:	\$ 5,539.05
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremly Likely			
		HSI Representative: <i>Jimmie Cottrell</i>	

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

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum	Well:	From Russia With Love 1	Ticket:	WP 2082
City, State:		County:	Ness KS	Date:	11/11/2021
Field Rep:	Juan	S-T-R:	9-19S-25W	Service:	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	235 ft
Casing Size:	8 5/8 in
Casing Depth:	230.7 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	13.3 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	235 ft
Annular Volume:	17.3 bbls
Excess:	125%
Total Slurry:	43.9 bbls
Total Sacks:	175 sx

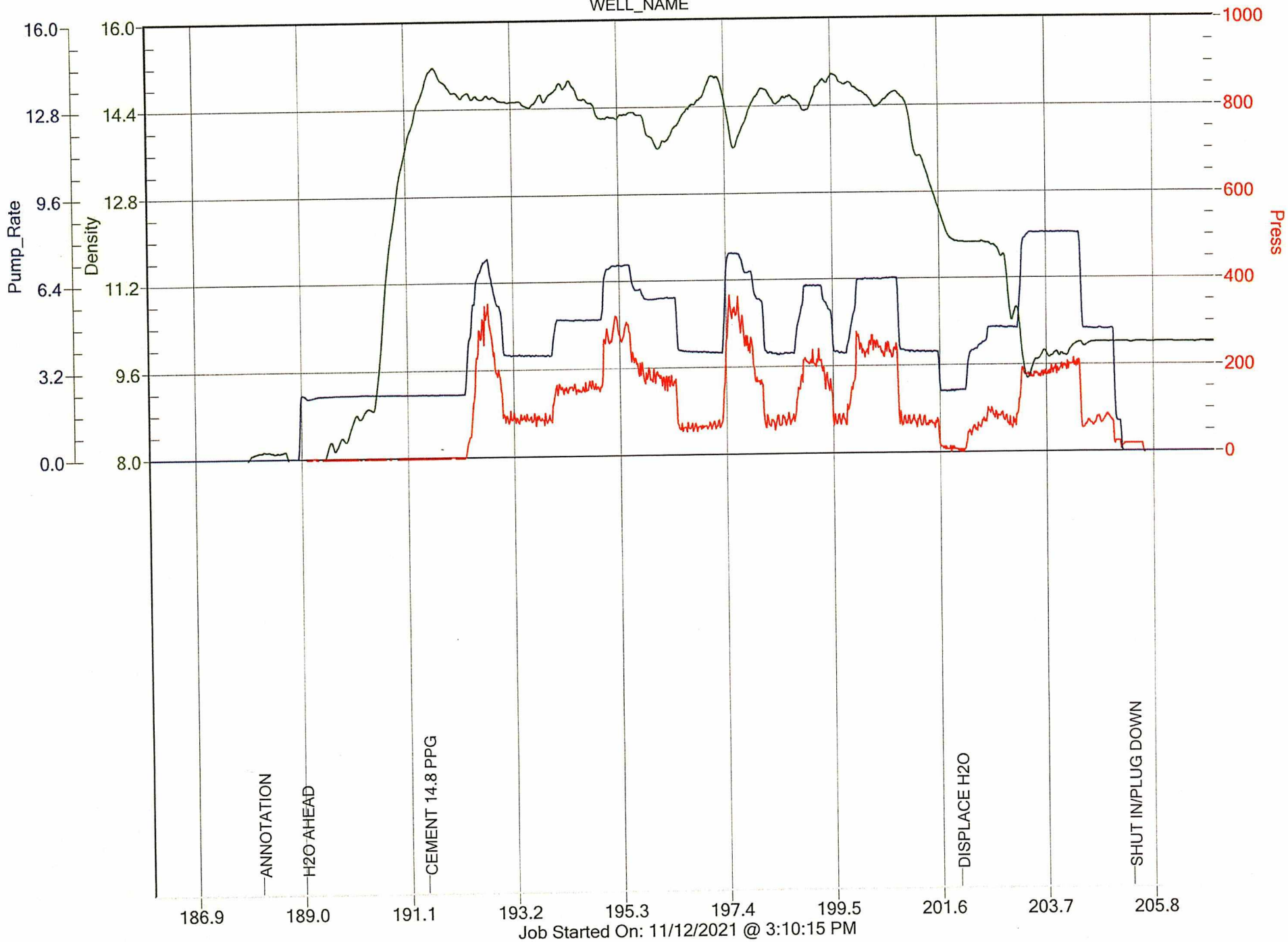
Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
315P			-	-	ON LOCATION
320P			-	-	GET INFO: 235' TD, 8 5/8 23# RACK VERIFIED, 10' LANDING JOINT.
345P			-	-	RIG UP
530P	3.0	100.0	5.0	5.0	H2O AHEAD
532P	6.2	270.0	43.9	48.9	CEMENT 14.8 PPG MUD SCALE VERIFIED
540P	5.4	250.0	13.3	62.2	DISPLACE H2O
545P				62.2	SHUT IN/PLUG DOWN
550P				62.2	WASH UP
600P				62.2	RIG DOWN
615P				62.2	LEFT LOCATION
				62.2	
					CIRCULATE 2 BBLs CEMENT TO PIT

CREW		UNIT	SUMMARY		
Cementer:	John	180/520	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jimmie	242	4.9 bpm	207 psi	62 bbls
Bulk #1:					
Bulk #2:					

Palomino Petroleum

WELL_NAME



Job Started On: 11/12/2021 @ 3:10:15 PM



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St
Newton, KS 67114

ATTN: Randy Say

FRWL #1

9-19s-25w Ness,KS

Start Date: 2021.11.16 @ 14:36:38

End Date: 2021.11.16 @ 22:20:21

Job Ticket #: 66018 DST #: 1

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

Printed: 2021.11.19 @ 08:26:29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

9-19s-25w Ness, KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66018

DST#: 1

ATTN: Randy Say

Test Start: 2021.11.16 @ 14:36:38

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:53:06

Time Test Ended: 22:20:21

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: 4494.00 ft (KB) To 4530.00 ft (KB) (TVD)

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

2523.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8651 Outside

Press@RunDepth: 809.81 psig @ 4495.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.16

End Date: 2021.11.16

Last Calib.: 2021.11.16

Start Time: 14:36:39

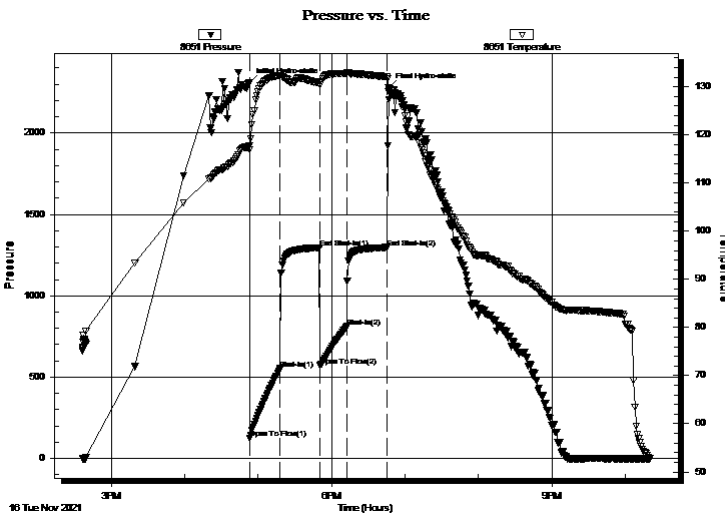
End Time: 22:20:21

Time On Btm: 2021.11.16 @ 16:52:51

Time Off Btm: 2021.11.16 @ 18:46:36

TEST COMMENT: 25min IF strong building blow built to 72"
30min ISI no blow back
30min FF .35" 2" valve not closed completely
25 min FSI 3/4" blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2310.56	117.72	Initial Hydro-static
1	123.11	117.01	Open To Flow (1)
26	551.16	132.42	Shut-In(1)
58	1295.74	130.84	End Shut-In(1)
58	569.68	130.40	Open To Flow (2)
80	809.81	132.82	Shut-In(2)
113	1296.26	132.03	End Shut-In(2)
114	2277.35	129.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
740.00	water	8.13
360.00	Gsy O&MCW 10%g 5%o 65%w 20% m	5.05
360.00	Gsy O&MCW 10%g 10%o 50%w 30% m	5.05
120.00	Gassy oil 15%g 85%o	1.68
0.00	90' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

9-19s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

ATTN: Randy Say

Job Ticket: 66018

DST#: 1

Test Start: 2021.11.16 @ 14:36:38

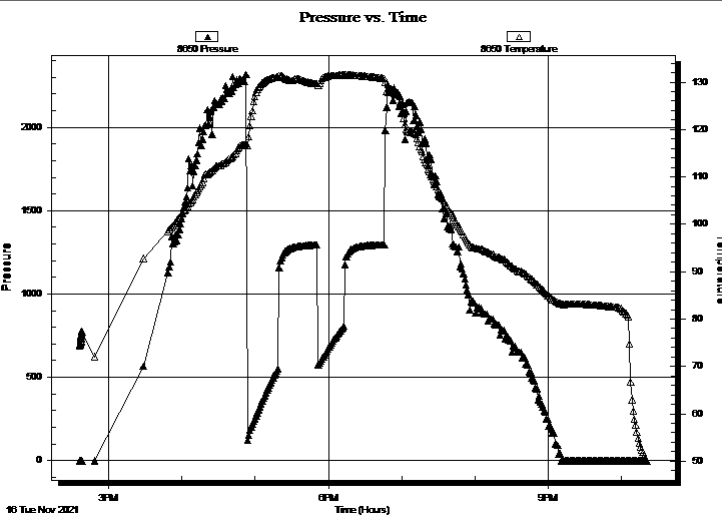
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:53:06
 Time Test Ended: 22:20:21
 Interval: **4494.00 ft (KB) To 4530.00 ft (KB) (TVD)**
 Total Depth: 4530.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Paul Simpson
 Unit No: 76
 Reference Elevations: 2534.00 ft (KB)
 2523.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8650 Inside

Press@RunDepth: psig @ 4495.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.11.16 End Date: 2021.11.16 Last Calib.: 1899.12.30
 Start Time: 14:36:16 End Time: 22:20:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 25min IF strong building blow built to 72"
 30min ISI no blow back
 30min FF .35" 2" valve not closed completely
 25 min FSI 3/4" blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
740.00	water	8.13
360.00	Gsy O&MCW 10%g 5%o 65%w 20%ms	5.05
360.00	Gsy O&MCW 10%g 10%o 50%w 30%ms	5.05
120.00	Gassy oil 15%g 85%o	1.68
0.00	90' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

9-19s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66018

DST#: 1

ATTN: Randy Say

Test Start: 2021.11.16 @ 14:36:38

Tool Information

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.80 inches	Volume: 59.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 60.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4494.00 ft			Final	630000.0 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	66.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4471.00	
Hydraulic tool	5.00			4476.00	
Jars	5.00			4481.00	
Safety Joint	3.00			4484.00	
Packer	5.00			4489.00	28.00 Bottom Of Top Packer
Packer	5.00			4494.00	
Stubb	1.00			4495.00	
Recorder	0.00	8650	Inside	4495.00	
Recorder	0.00	8651	Outside	4495.00	
Perforations	32.00			4527.00	
Change Over Sub	1.00			4528.00	
Drill Pipe	0.00			4528.00	
Change Over Sub	1.00			4529.00	
Bullnose	3.00			4532.00	38.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

9-19s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66018

DST#: 1

ATTN: Randy Say

Test Start: 2021.11.16 @ 14:36:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.5 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
740.00	water	8.130
360.00	Gsy O&MCW 10%g 5%o 65%w 20%m	5.050
360.00	Gsy O&MCW 10%g 10%o 50%w 30%m	5.050
120.00	Gassy oil 15%g 85%o	1.683
0.00	90' GIP	0.000

Total Length: 1580.00 ft Total Volume: 19.913 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

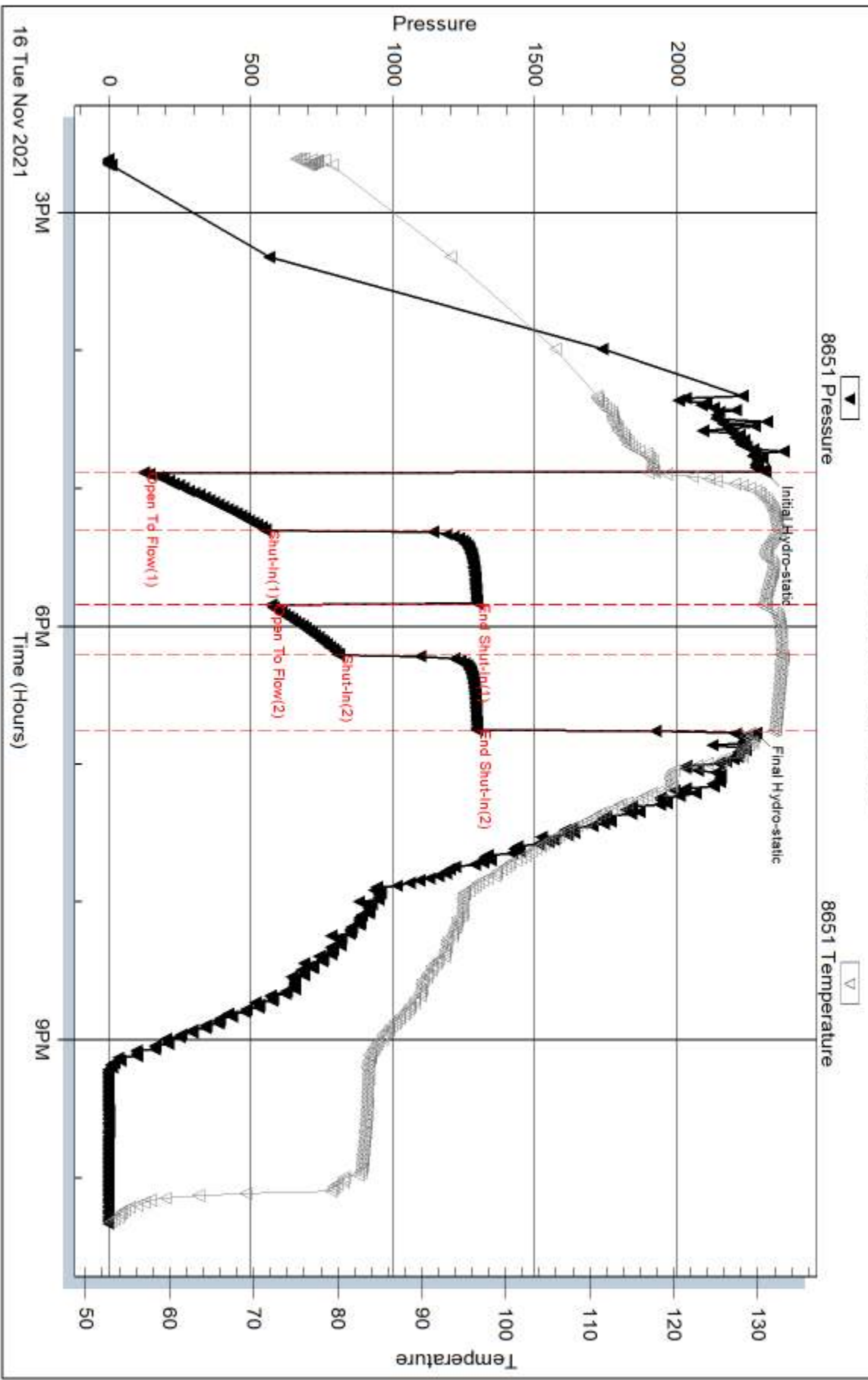
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .23@ 64 = 32000 ppm

Gravity 38 @ 65 = 37.5

Pressure vs. Time



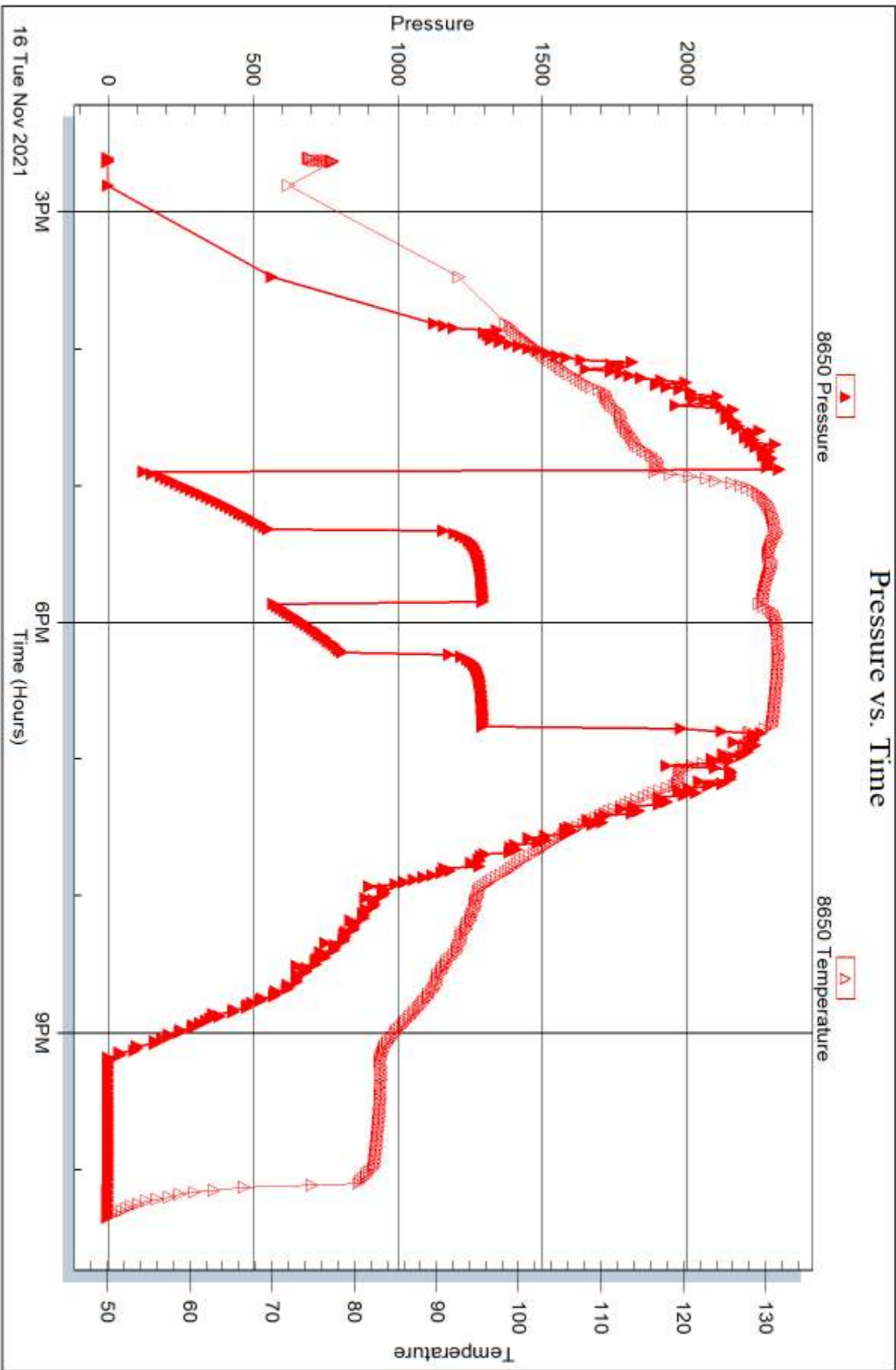
Serial #: 8650

Inside

Palomino Petroleum Inc.

FRWL #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66018

Printed: 2021.11.19 @ 08:26:30



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St
Newton, KS 67114

ATTN: Randy Say

FRWL #1

9-19s-25w Ness,KS

Start Date: 2021.11.17 @ 21:02:08

End Date: 2021.11.18 @ 08:19:08

Job Ticket #: 66019 DST #: 2

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

Printed: 2021.11.19 @ 08:25:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

9-19s-25w Ness, KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66019

DST#: 2

ATTN: Randy Say

Test Start: 2021.11.17 @ 21:02:08

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:08

Time Test Ended: 08:19:08

Test Type: Conventional Straddle (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: 4390.00 ft (KB) To 4438.00 ft (KB) (TVD)

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2523.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8017

Inside

Press@RunDepth: 1033.69 psig @ 4391.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.17

End Date:

2021.11.18

Last Calib.: 2021.11.17

Start Time: 21:02:09

End Time:

08:19:08

Time On Btm: 2021.11.18 @ 00:29:08

Time Off Btm: 2021.11.18 @ 02:03:23

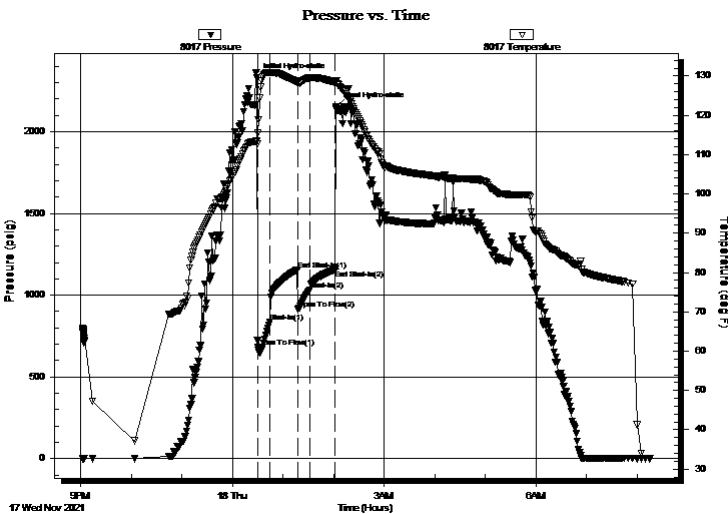
TEST COMMENT: IF 15 strong blow BOB in 1 minute built to 620"

ISI- 30 GTS w hen bleeding off blow

FF15- Strong gauging gas

FSI 30I bleeding off gas

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.40	113.44	Initial Hydro-static
1	682.53	115.48	Open To Flow (1)
16	837.22	130.88	Shut-In(1)
48	1154.33	128.48	End Shut-In(1)
49	913.01	128.35	Open To Flow (2)
63	1033.69	129.55	Shut-In(2)
93	1156.52	128.36	End Shut-In(2)
95	2155.81	128.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3640.00	gassy oil 30% Gas 70% Oil	48.81
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.70	38.23
Last Gas Rate	0.25	18.60	52.35
Max. Gas Rate	0.25	18.60	52.35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.

9-19s-25w Ness, KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66019

DST#: 2

ATTN: Randy Say

Test Start: 2021.11.17 @ 21:02:08

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:08

Time Test Ended: 08:19:08

Test Type: Conventional Straddle (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: 4390.00 ft (KB) To 4438.00 ft (KB) (TVD)

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2523.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8651 Outside

Press@RunDepth: psig @ 4391.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.11.17 End Date: 2021.11.18

Last Calib.: 1899.12.30

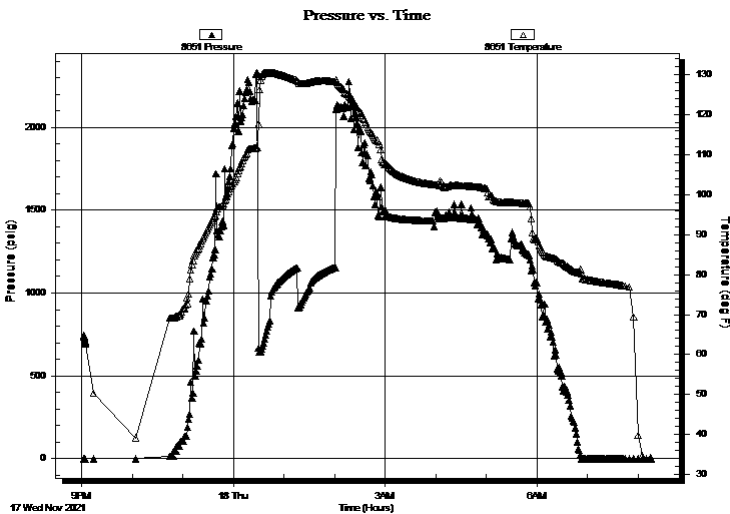
Start Time: 21:02:08 End Time: 08:19:07

Time On Btm:

Time Off Btm:

TEST COMMENT: IF 15 strong blow BOB in 1 minute built to 620"
IS- 30 GTS w hen bleeding off blow
FF15- Strong gauging gas
FSI 30I bleeding off gas

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
3640.00	gassy oil 30% Gas 70% Oil	48.81
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.70	38.23
Last Gas Rate	0.25	18.60	52.35
Max. Gas Rate	0.25	18.60	52.35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

9-19s-25w Ness, KS
FRWL #1
 Job Ticket: 66019 **DST#: 2**
 Test Start: 2021.11.17 @ 21:02:08

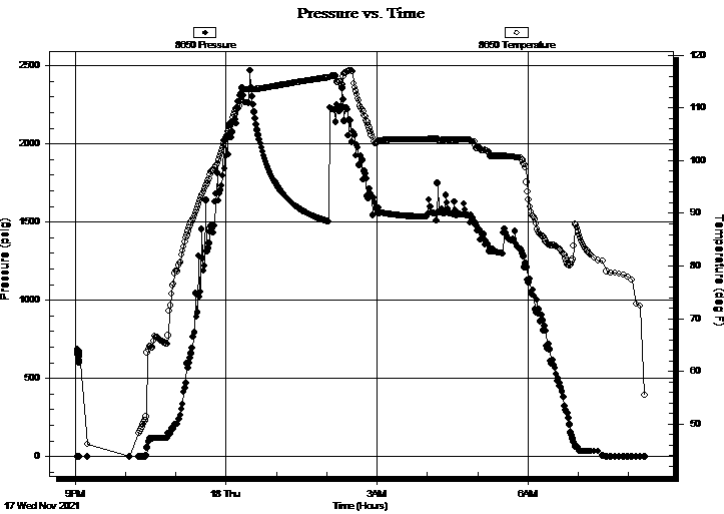
GENERAL INFORMATION:

Formation: Fort Scott	Deviated: No Whipstock: ft (KB)	Test Type: Conventional Straddle (Initial)
Time Tool Opened: 00:30:08		Tester: Paul Simpson
Time Test Ended: 08:19:08		Unit No: 76
Interval: 4390.00 ft (KB) To 4438.00 ft (KB) (TVD)		Reference Elevations: 2534.00 ft (KB)
Total Depth: 4620.00 ft (KB) (TVD)		2523.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good		KB to GR/CF: 11.00 ft

Serial #: 8650 Below (Straddle)

Press@RunDepth: psig @ 4440.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2021.11.17 End Date: 2021.11.18	Last Calib.: 1899.12.30
Start Time: 21:03:00 End Time: 08:20:59	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF 15 strong blow BOB in 1 minute built to 620"
 IS- 30 GTS w hen bleeding off blow
 FF15- Strong gauging gas
 FSI 30I bleeding off gas



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3640.00	gassy oil 30% Gas 70% Oil	48.81
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	9.70	38.23
Last Gas Rate	0.25	18.60	52.35
Max. Gas Rate	0.25	18.60	52.35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

9-19s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66019

DST#: 2

ATTN: Randy Say

Test Start: 2021.11.17 @ 21:02:08

Tool Information

Drill Pipe:	Length: 4143.00 ft	Diameter: 3.80 inches	Volume: 58.12 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 59.33 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4390.00 ft			Final lb
Depth to Bottom Packer:	4438.00 ft			
Interval between Packers:	48.00 ft			
Tool Length:	258.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4367.00	
Hydraulic tool	5.00			4372.00	
Jars	5.00			4377.00	
Safety Joint	3.00			4380.00	
Packer	5.00		Inside	4385.00	28.00 Bottom Of Top Packer
Packer	5.00			4390.00	
Stubb	1.00			4391.00	
Recorder	0.00	8651	Outside	4391.00	
Recorder	0.00	8017	Inside	4391.00	
Perforations	4.00			4395.00	
Change Over Sub	1.00			4396.00	
Drill Pipe	32.00			4428.00	
Change Over Sub	1.00			4429.00	
Perforations	4.00			4433.00	
Blank Off Sub	1.00			4434.00	
Packer - Shale	4.00		Outside	4438.00	48.00 Tool Interval
Packer	0.00			4438.00	
Stubb	1.00			4439.00	
Change Over Sub	1.00			4440.00	
Recorder	0.00	8650	Below	4440.00	
Drill Pipe	159.00		Below	4599.00	
Change Over Sub	1.00			4600.00	
Perforations	17.00			4617.00	
Bullnose	3.00			4620.00	182.00 Bottom Packers & Anchor
Total Tool Length:	258.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

9-19s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66019

DST#: 2

ATTN: Randy Say

Test Start: 2021.11.17 @ 21:02:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3640.00	gassy oil 30% Gas 70% Oil	48.810
0.00	GTS	0.000

Total Length: 3640.00 ft Total Volume: 48.810 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: reversed into truck gravity 39@40 =41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Palomino Petroleum Inc.

9-19s-25w Ness, KS

4924 SE 84th St
New ton, KS 67114

FRWL #1

Job Ticket: 66019

DST#: 2

ATTN: Randy Say

Test Start: 2021.11.17 @ 21:02:08

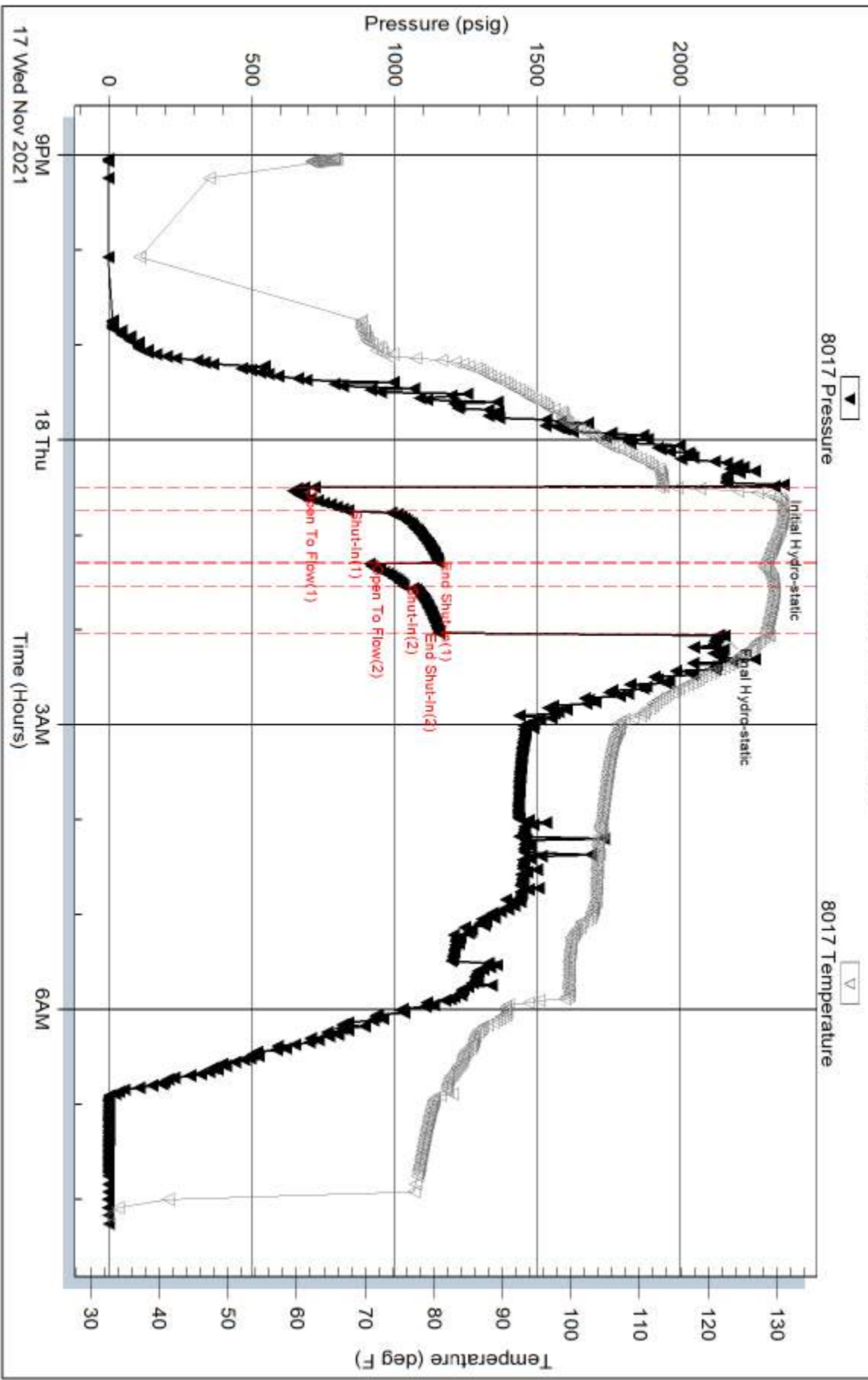
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	0.25	9.70	38.23
2	5	0.25	9.70	38.23
2	10	0.25	18.60	52.35

Pressure vs. Time



Serial #: 8651

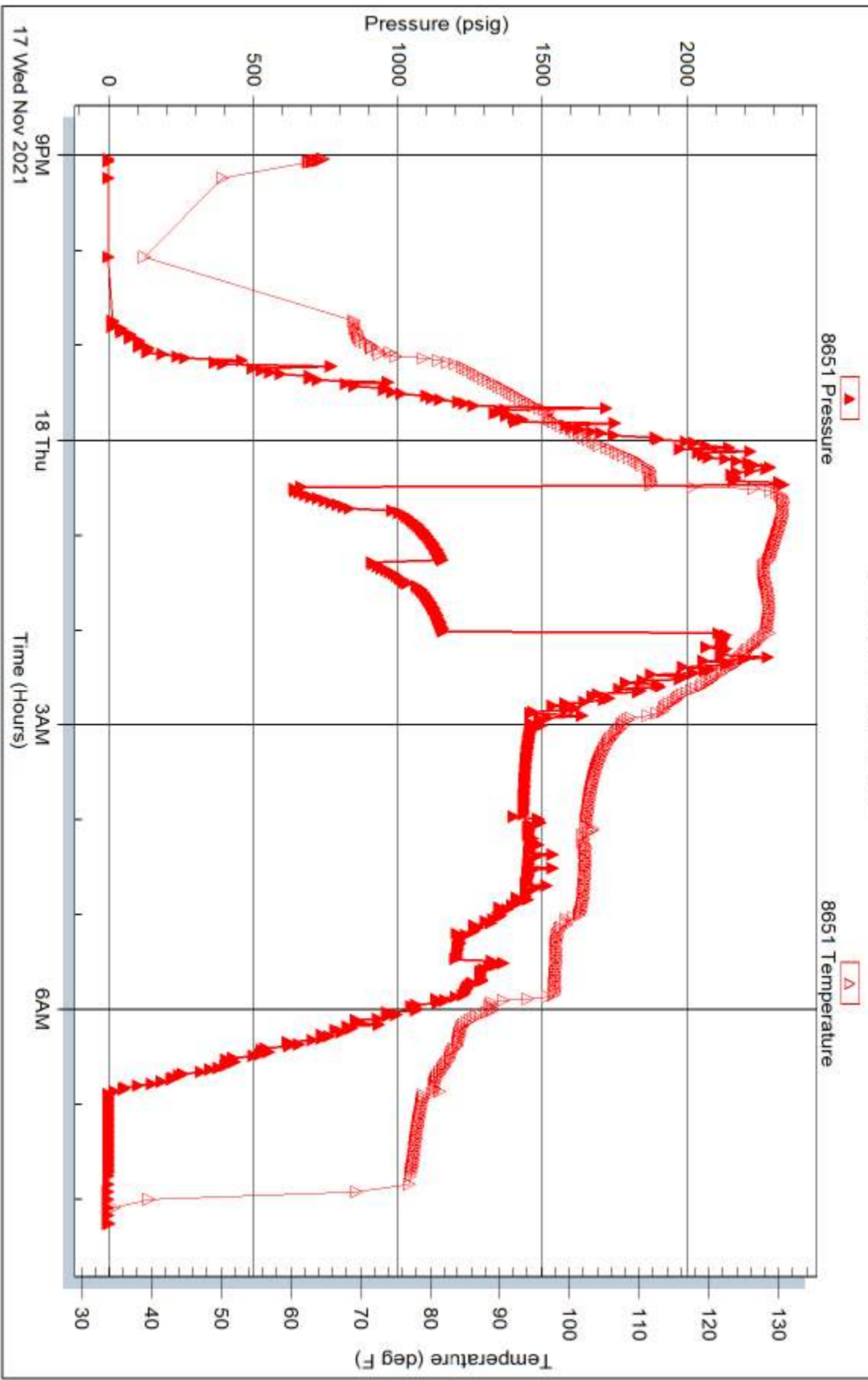
Outside

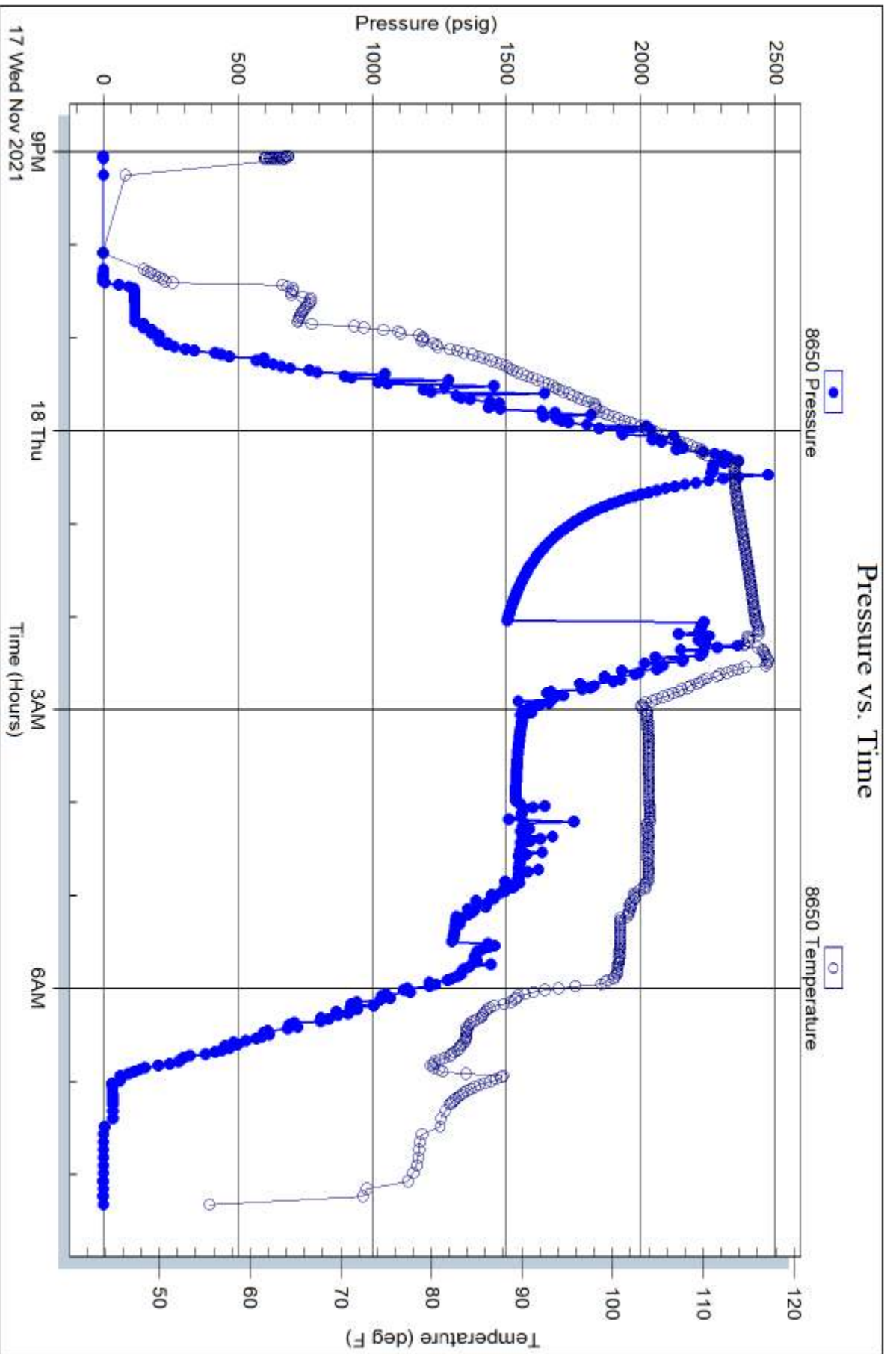
Palomino Petroleum Inc.

FRWL #1

DST Test Number: 2

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66018

NO.

Well Name & No. From Russia With Love #1 Test No. 1 Date 11-16-21
 Company Palomino Petroleum Inc Elevation 2534 KB 2523 GL
 Address P.O. Box 2324 Garden City, Kansas 67846
 Co. Rep / Geo. Randy Sny Rig MURFIN 21
 Location: Sec. 09 Twp 19S Rge. 25W Co. NESS State KS

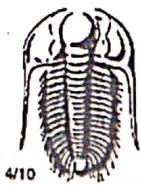
Interval Tested 4494 - 4530 Zone Tested MISS
 Anchor Length 36' Drill Pipe Run 4240 Mud Wt. 9.3
 Top Packer Depth 4489 Drill Collars Run 247 Vis 55
 Bottom Packer Depth 4494 Wt. Pipe Run Ø WL 6.8
 Total Depth 4530 Chlorides 4,700 ppm System LCM 4
 Blow Description FF: 25 min, Strong Building Blow 72 inches
FSI 30 min, NO Blow Back
FF 30 min 35" 2" valve no closed completely
FSI 25 min NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
740	water		100		
360	Grey Oil MCW	10	5	65	20
360	Grey Oil MCW	10	10	50	30
120	Grey Oil	15	85		
90	GIP				
Rec Total	1580	BHT 132	Gravity 37.5	API RW 23 @ 57 °F	Chlorides 32,000 ppm

(A) Initial Hydrostatic 2310 Test 1450 T-On Location 1410
 (B) First Initial Flow 123 Jars 250 T-Started 1436
 (C) First Final Flow 551 Safety Joint 75 T-Open 1653
 (D) Initial Shut-In 1296 Circ Sub _____ T-Pulled 1943
 (E) Second Initial Flow 550 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 810 Mileage 86rt 107.50 Comments ATTSON @ 1436
 (G) Final Shut-In 1296 Sampler _____
 (H) Final Hydrostatic 2277 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Initial Open 25
 Initial Shut-In 30
 Final Flow 25
 Final Shut-In 30
 Sub Total 1882.50 MP/DST Disc't _____

Approved By Randy Sny Our Representative Pat Simpson & Eric

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66019

NO.

Well Name & No. Fran Russia With Love #1 Test No. 2 Date 11-17-21
 Company Palomino Petroleum Inc Elevation 2534 KB 2523 GL
 Address P.O. Box 2324 Garden City, Kansas 67846
 Co. Rep / Geo. Randy Sany Rig MURFIN 21
 Location: Sec. 09 Twp 19S Rge. 25W Co. NESS State KS

Interval Tested 4370-4438 Zone Tested Fort Scott
 Anchor Length 48' Drill Pipe Run 4123 Mud Wt. 9.5
 Top Packer Depth 4385 Drill Collars Run 247 Vis SG
 Bottom Packer Depth 4438 Wt. Pipe Run 0 WL 8.0
 Total Depth 4620 Chlorides 4,800 ppm System LCM 3

Blow Description IF: 15 Strong Blow Bob in line Built 620"
LSI 20GTS when Bleeding off Blow
FF: 15 Strong Gauging Gas
FSI 30 Bleeding off Gas

Rec	Feet of	%gas	%oil	%water	%mud
<u>3640</u>	<u>gas & Oil</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>GTS</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3640 BHT _____ Gravity 40 API RW _____ @ 40 °F Chlorides 31,000 ppm

(A) Initial Hydrostatic 2332 Test 1450 T-On Location 1920
 (B) First Initial Flow 683 Jars 250 T-Started 2102
 (C) First Final Flow 830 Safety Joint 75 T-Open 0029
 (D) Initial Shut-In 1154 Circ Sub 50 T-Pulled _____
 (E) Second Initial Flow 913 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 1033 Mileage 43X4 - 215 Comments FF+FS on @ 2102
 (G) Final Shut-In 1156 Sampler had to condition
 (H) Final Hydrostatic 2155 Straddle note after log ⁶⁰⁰ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer ruined Ruined Packer 335
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 335
 Accessibility _____ Total 2975
 Sub Total 2640 MP/DST Disc't _____

Approved By _____ Our Representative Paul & Eric

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