

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
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	PETERSEN TRUST 1
Doc ID	1461230

All Electric Logs Run

Dual Induction
Micro
Compensated Neutron Density
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	PETERSEN TRUST 1
Doc ID	1461230

Tops

Name	Top	Datum
Anhy.	1781	(+ 663)
Base Anhy.	1804	(+ 640)
Heebner	3732	(-1288)
Lansing	3777	(-1333)
Stark Sh.	4020	(-1576)
BKC	4086	(-1642)
Marmaton	4132	(-1688)
Pawnee	4215	(-1771)
Ft. Scott	4283	(-1839)
Cherokee Sh.	4307	(-1863)
Miss.	4380	(1936)
LTD	4518	(-2074)





# Company: Palomino Petroleum, Inc.

## Lease: Petersen Trust #1

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
January  
**31**  
2019

**DST #1**      **Formation: Mississippi**      **Test Interval: 4312 - 4395'**      **Total Depth: 4395'**  
Time On: 04:59 01/31      Time Off: 12:15 01/31  
Time On Bottom: 07:45 01/31      Time Off Bottom: 09:45 01/31

Electronic Volume Estimate:  
674'

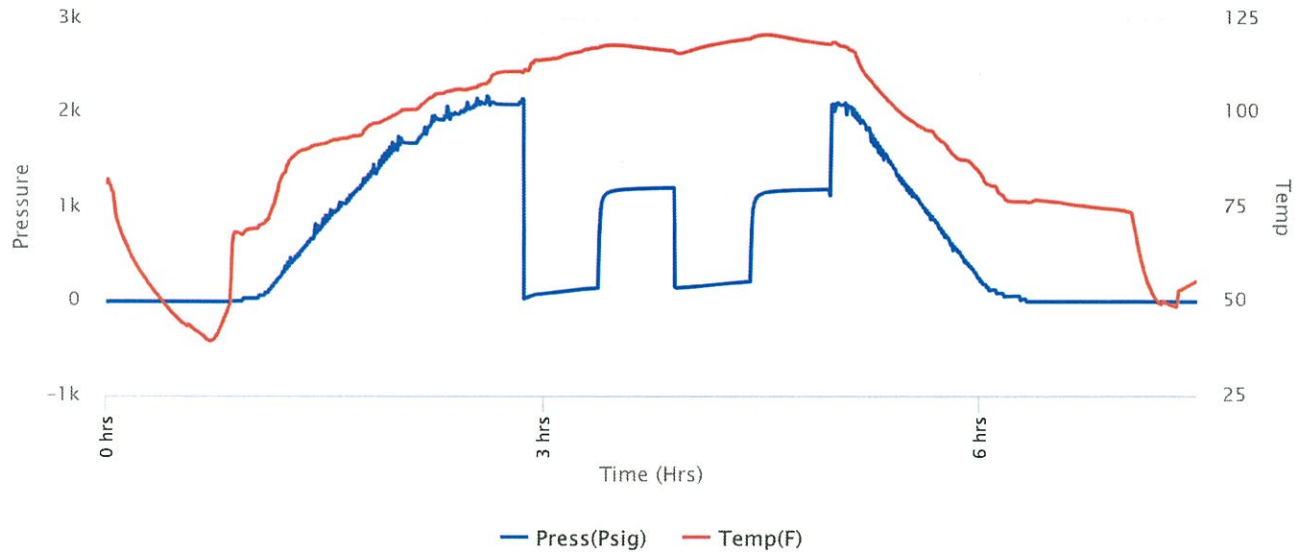
1st Open  
Minutes: 30  
Current Reading: 24.9" at 30 min  
Max Reading: 24.9"

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

2nd Open  
Minutes: 30  
Current Reading: 29.6" at 30 min  
Max Reading: 29.6"

2nd Close  
Minutes: 30  
Current Reading: .1" at 30 min  
Max Reading: .1"

Inside Recorder





**Company: Palomino Petroleum, Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 2  
 Elevation: 2439 GL  
 Field Name: Delos East  
 Pool: Pool Ext  
 Job Number: 307

**Operation:**  
 Test Complete

**DATE**  
 January  
**31**  
 2019

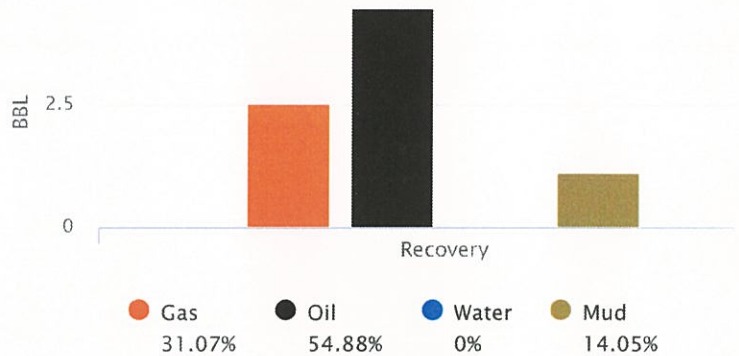
**DST #1**      **Formation: Mississippi**      **Test Interval: 4312 - 4395'**      **Total Depth: 4395'**  
 Time On: 04:59 01/31      Time Off: 12:15 01/31  
 Time On Bottom: 07:45 01/31      Time Off Bottom: 09:45 01/31

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
120	1.7076	G	100	0	0	0
65	0.92495	SLGCO	10	90	0	0
63	0.89649	SLGCMCO	10	63	0	27
252	3.58596	SLGCMCO	15	60	0	25
90	0.7339237	SLGCO	10	90	0	0
60	0.2952	SLMCSLGCO	10	88	0	2

Total Recovered: 650 ft  
 Total Barrels Recovered: 8.1441237

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	2099	PSI
Initial Flow	33 to 149	PSI
Initial Closed in Pressure	1212	PSI
Final Flow Pressure	150 to 217	PSI
Final Closed in Pressure	1197	PSI
Final Hydrostatic Pressure	2095	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	1.2	%

GIP cubic foot volume: 14.20778



**Company: Palomino Petroleum,  
Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC -  
Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**

Test Complete

**DATE**

January

**31**

2019

**DST #1**

**Formation:  
Mississippi**

**Test Interval: 4312 -  
4395'**

**Total Depth: 4395'**

Time On: 04:59 01/31

Time Off: 12:15 01/31

Time On Bottom: 07:45 01/31

Time Off Bottom: 09:45 01/31

**BUCKET MEASUREMENT:**

*Diesel in Bucket*

1st Open: 1 in. blow building. BOB in 10 mins.

1st Close: Weak, surface blow back in 13 mins. Died in 20 mins.

2nd Open: 1/4 in. blow building. BOB in 9 mins. 30 secs.

2nd Close: Weak, surface blow back in 12 mins. Did not build or die.

**REMARKS:**

Tool Sample: 0% Gas 30% Oil 20% Water 50% Mud

Gravity: 36.4 @ 60 °F





**Company: Palomino Petroleum, Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
January  
**31**  
2019

**DST #1**      **Formation:** Mississippi      **Test Interval:** 4312 - 4395'      **Total Depth:** 4395'  
Time On: 04:59 01/31      Time Off: 12:15 01/31  
Time On Bottom: 07:45 01/31      Time Off Bottom: 09:45 01/31

**Down Hole Makeup**

<b>Heads Up:</b> 8.61 FT	<b>Packer 1:</b> 4306.7 FT
<b>Drill Pipe:</b> 4169.01 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4311.7 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4296.12 FT
<b>Collars:</b> 118.73 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4393 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 83.3	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 14 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 63.3 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 3 FT <i>4 1/2-FH</i>	



**Company: Palomino Petroleum, Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
January  
**31**  
2019

**DST #1**      **Formation:**      **Test Interval: 4312 -**      **Total Depth: 4395'**  
**Mississippi**           **4395'**  
Time On: 04:59 01/31      Time Off: 12:15 01/31  
Time On Bottom: 07:45 01/31      Time Off Bottom: 09:45 01/31

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.4      **Viscosity:** 48      **Filtrate:** 6.8      **Chlorides:** 5,300 ppm



# Company: Palomino Petroleum, Inc.

## Lease: Petersen Trust #1

SEC: 27 T1N: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
February  
**01**  
2019

**DST #2**      **Formation: Mississippi**      **Test Interval: 4403 - 4420'**      **Total Depth: 4518'**  
Time On: 02:13 02/01      Time Off: 09:40 02/01  
Time On Bottom: 04:27 02/01      Time Off Bottom: 05:57 02/01

Electronic Volume Estimate:  
1830'

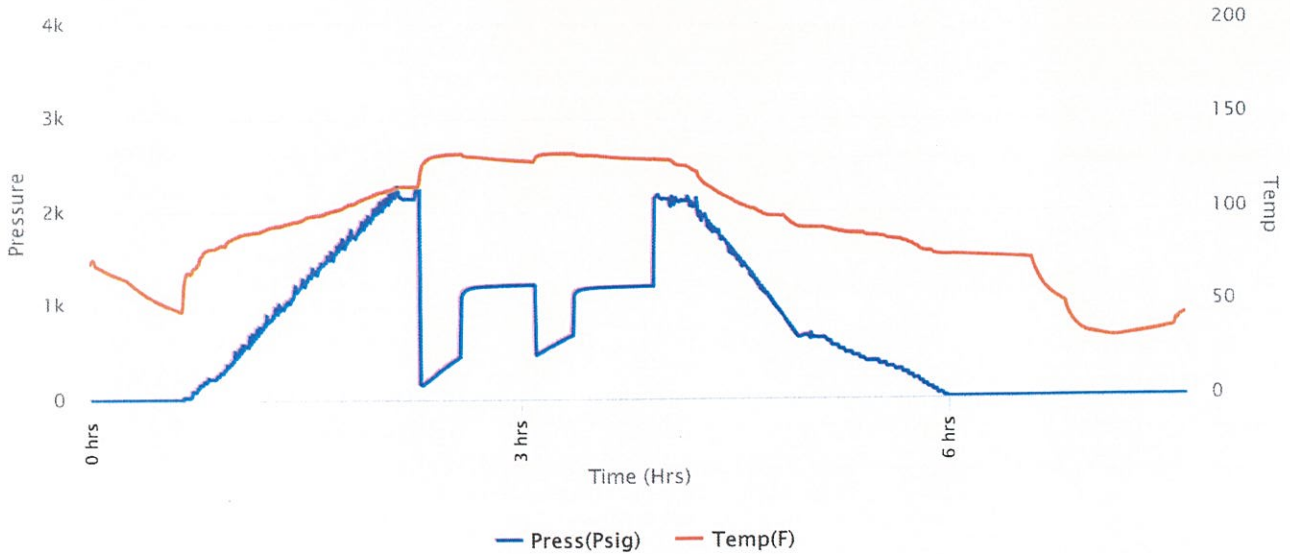
1st Open  
Minutes: 15  
Current Reading:  
92.6" at 15 min  
Max Reading: 92.6"

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

2nd Open  
Minutes: 15  
Current Reading:  
74.8" at 15 min  
Max Reading: 74.8"

2nd Close  
Minutes: 30  
Current Reading:  
3" at 30 min  
Max Reading: 3"

Inside Recorder





**Company: Palomino Petroleum, Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
 County: NESS  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 2  
 Elevation: 2439 GL  
 Field Name: Delos East  
 Pool: Pool Ext  
 Job Number: 307

**Operation:**  
 Test Complete

**DATE**  
 February  
**01**  
 2019

**DST #2**      **Formation: Mississippi**      **Test Interval: 4403 - 4420'**      **Total Depth: 4518'**  
 Time On: 02:13 02/01      Time Off: 09:40 02/01  
 Time On Bottom: 04:27 02/01      Time Off Bottom: 05:57 02/01

Recovered

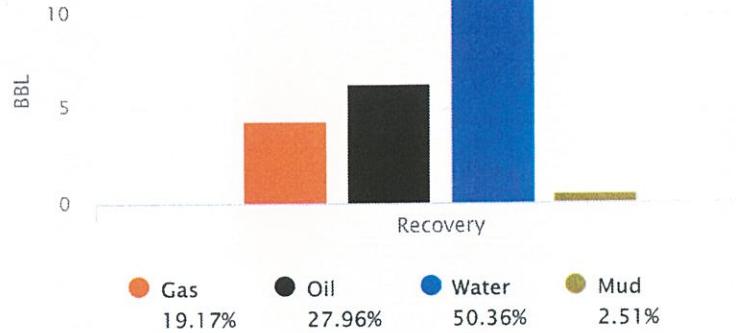
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
200	2.846	G	100	0	0	0
219	3.11637	SLGCO	10	90	0	0
189	2.68947	SLGCSLMCHWCO	10	47	30	13
252	3.58596	SLMCGCHWCO	20	48	30	2
126	1.79298	SLMCSLGCSLOCW	5	5	88	2
189	2.68947	SLOCSLMCSLGCW	5	2	91	2
189	2.68947	SLMCSLOCW	0	15	84	1
315	3.3770737	SLOCSLMCW	0	1	98	1

Total Recovered: 1679 ft  
 Total Barrels Recovered: 22.7867937

Reversed Out  
 NO

Initial Hydrostatic Pressure	2148	PSI
Initial Flow	166 to 416	PSI
<b>Initial Closed in Pressure</b>	<b>1220</b>	<b>PSI</b>
Final Flow Pressure	485 to 665	PSI
<b>Final Closed in Pressure</b>	<b>1202</b>	<b>PSI</b>
Final Hydrostatic Pressure	2132	PSI
Temperature	131	°F
Pressure Change Initial Close / Final Close	1.5	%

**Recovery at a glance**



GIP cubic foot volume: 24.52357



# Company: Palomino Petroleum, Inc.

## Lease: Petersen Trust #1

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
February  
**01**  
2019

**DST #2**      **Formation: Mississippi**      **Test Interval: 4403 - 4420'**      **Total Depth: 4518'**  
Time On: 02:13 02/01      Time Off: 09:40 02/01  
Time On Bottom: 04:27 02/01      Time Off Bottom: 05:57 02/01

### BUCKET MEASUREMENT:

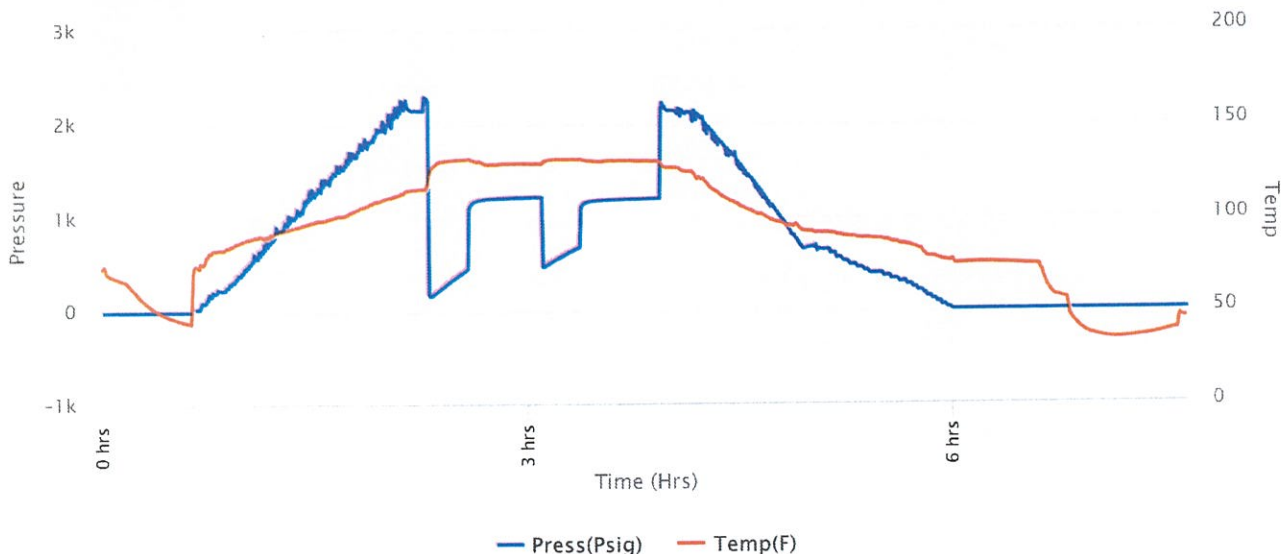
*Diesel in Bucket*

- 1st Open: Blow building. BOB in 1 min. 13 secs.
- 1st Close: Weak, surface blow back in 5 mins. Building to 3/4 in. in 30 mins.
- 2nd Open: Blow building. BOB in 1 min. 45 secs.
- 2nd Close: Surface blow back in 5 mins. Building to 3 ins. in 30 mins.

### REMARKS:

Tool Sample: 0% Gas 15% Oil 50% Water 35% Mud  
 Gravity: 22.3 @ 60 °F  
 Ph: 7  
 Measured RW: .44 @ 35 degrees °F  
 RW at Formation Temp: 0.133 @ 131 °F  
 Chlorides: 32,000 ppm

### Below Straddle Recorder





# Company: Palomino Petroleum, Inc.

## Lease: Petersen Trust #1

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC - Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
February  
**01**  
2019

**DST #2**      **Formation:** Mississippi      **Test Interval:** 4403 - 4420'      **Total Depth:** 4518'  
Time On: 02:13 02/01      Time Off: 09:40 02/01  
Time On Bottom: 04:27 02/01      Time Off Bottom: 05:57 02/01

### Down Hole Makeup

<b>Heads Up:</b> 18.79 FT	<b>Packer 1:</b> 4398 FT
<b>Drill Pipe:</b> 4270.49 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4403 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 4420 FT
<b>Collars:</b> 118.73 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 4387.42 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Bottom Recorder:</b> 0 FT
	<b>Below Straddle Recorder:</b> 4516 FT
	<b>Well Bore Size:</b> 7 7/8
	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

**Total Anchor:** 17

#### Anchor Makeup

**Packer Sub:** 1 FT

**Perforations: (top):** 0 FT  
*4 1/2-FH*

**Change Over:** 0 FT

**Drill Pipe: (in anchor):** 0 FT  
*ID-3 1/2*

**Change Over:** 0 FT

**Perforations: (below):** 16 FT  
*4 1/2-FH*

#### STRADDLE

**Straddle Packer(s):** 1 FT

**Change Over:** .5 FT

**Drill Pipe:** 93.88 FT  
*ID-3 1/2"*

**Change Over:** .5 FT

**Perforations (in tail pipe):** 3 FT  
*4 1/2-FH*



**Company: Palomino Petroleum,  
Inc.**

**Lease: Petersen Trust #1**

SEC: 27 TWN: 17S RNG: 26W  
County: NESS  
State: Kansas  
Drilling Contractor: WW Driling, LLC -  
Rig 2  
Elevation: 2439 GL  
Field Name: Delos East  
Pool: Pool Ext  
Job Number: 307

**Operation:**  
Test Complete

**DATE**  
February  
**01**  
2019

<b>DST #2</b>	<b>Formation:</b> Mississippi	<b>Test Interval:</b> 4403 - 4420'	<b>Total Depth:</b> 4518'
	Time On: 02:13 02/01	Time Off: 09:40 02/01	
	Time On Bottom: 04:27 02/01	Time Off Bottom: 05:57 02/01	

### Mud Properties

**Mud Type:** Chemical    **Weight:** 9.4    **Viscosity:** 48    **Filtrate:** 6.8    **Chlorides:** 5,300 ppm



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

# Invoice

DATE	INVOICE #
2/8/2019	31945

**RECEIVED**  
 FEB 14 2019

**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	Peterson Trust	Ness	Express Well	Oil	Workover	Port Collar	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575W	Mileage - 1 Way				35	Miles	5.00	175.00T
576W-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,300.00	1,300.00T
330	Swift Multi-Density Standard (MIDCON II)				145	Sacks	16.25	2,356.25T
276	Flocele				38	Lb(s)	2.50	95.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
105	Port Collar Tool Rental With Man				1	Each	275.00	275.00T
581W	Service Charge Cement				200	Sacks	1.75	350.00T
583W	Drayage				348.28	Ton Miles	0.85	296.04T
	Subtotal							4,931.29
	Sales Tax Ness County						6.50%	320.53

**We Appreciate Your Business!** **Total** \$5,251.82





Services, Inc.

TICKET 031945

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

PAGE 1 OF 1

1. SERVICE LOCATIONS <i>Ness City, KS</i>	WELL/PROJECT NO. #1	LEASE <i>Peterson Trust</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>KS</i>	CITY <i>Utica</i>	DATE <i>2/8/19</i>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Express</i>	RIG NAME/NO.	SHIPPED VIA <i>GT</i>	DELIVERED TO <i>Location</i>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <i>D/I</i>	WELL CATEGORY <i>Workover</i>	JOB PURPOSE <i>Port Collar</i>	WELL LOCATION <i>Utica, 7.5 1/2-10</i>				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>N-inte</i>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>576</i>					MILEAGE			<i>36</i>	<i>mi</i>	<i>5.00</i>	<i>175.00</i>
<i>576</i>					<i>TRK # 112</i>			<i>1</i>	<i>job</i>	<i>1300.00</i>	<i>1300.00</i>
<i>330</i>					<i>Pump Charge - Port Collar</i>						
<i>276</i>					<i>SMD Cement</i>			<i>145</i>	<i>skt</i>	<i>16.22</i>	<i>2356.35</i>
<i>290</i>					<i>Fluorok</i>			<i>38</i>	<i>lbs</i>	<i>2.42</i>	<i>96.00</i>
<i>105</i>					<i>D-Air</i>			<i>2</i>	<i>gal</i>	<i>42.00</i>	<i>84.00</i>
<i>581</i>					<i>Port Collar Tool Rental</i>			<i>1</i>	<i>job</i>	<i>275.00</i>	<i>275.00</i>
<i>083</i>					<i>CMT Service Charge</i>						
					<i>Drillage</i>			<i>19902</i>	<i>lbs</i>	<i>348.17M</i>	<i>200.50</i>
								<i>200</i>	<i>skt</i>	<i>1.75</i>	<i>350.00</i>
								<i>348</i>	<i>lbm</i>	<i>0.85</i>	<i>296.04</i>

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 *2/8/19* TIME SIGNED *4:00*  A.M.  P.M.

SWIFT OPERATOR *John Winkler*

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

APPROVAL *John Winkler*

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
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 SERVICES?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL *1*

TOTAL *5251.82*

SWIFT OPERATOR *John Winkler* APPROVAL *John Winkler*

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2/8/19 PAGE NO. 1

CUSTOMER Palomino Petroleum		WELL NO. #1		LEASE Peterson Trust		JOB TYPE Port Collo		TICKET NO. 031945
--------------------------------	--	----------------	--	-------------------------	--	------------------------	--	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	01400							On Location 2 7/8" 5 1/2" PC: 1750'
	1425	Ø	Ø		✓		1200	Pressure Test BS
	1430							Open PC.
	1435	3	Ø		✓		200	Injection Rate
	1440	4 1/2	80		✓		300	Mix 145 sks of SMD Cement 1/4" flo @ 11.2 ppq  Circulate CMT to Surface *20 sks*
	1500	4	8 1/2		✓		400	Displace CMT
	1506							Close PC
	1510	Ø	Ø		✓		1200	Pressure Test BS to 1200 PSI
	1515							Run 4 Joints
	1520	4	25		✓		200	Reverse Clean  Wash-up Truck
								145 sks SMD 1/4" Flo Total used *20 sks to the pit*
	1545							Job Complete  Thank You  Gideon, Preston, Kirby



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

# Invoice

DATE	INVOICE #
2/1/2019	31997

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	Peterson Trust	Ness	WW Rig #2	Oil	Development	Cement Long Str...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				35	Miles	5.00	175.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
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
409-5	5 1/2" Turbolizer				10	Each	85.00	850.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	16.25	2,031.25T
325	Standard Cement				100	Sacks	13.00	1,300.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				225	Sacks	1.75	393.75
583D	Drayage				400.99	Ton Miles	0.85	340.84
	Subtotal							11,499.84
	Sales Tax Ness County						6.50%	603.87

**Thank You For Your Business!**

**Total**

\$12,103.71



TICKET 031997

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

PAGE 1 OF 2

1. SERVICE LOCATIONS: Law City YS WELL/PROJECT NO. 21 LEASE Peterson Trust COUNTY/PARISH Neuss STATE KS CITY Newkaly DATE 1 Feb 19 OWNER  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR W3 RIG NAME/NO. 2 SHIPPED  WET DELIVERED TO location ORDER NO.  
 3. WELL TYPE: 01 WELL CATEGORY Development JOB PURPOSE connect log string WELL PERMIT NO. WELL LOCATION 27 - 17 - 26  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	35	mi			500	17500
578		1			Pump Charge	1	ea			1300	1300
403		1			Connect basket	5 1/2	in	1 ea	ea	2150	11825
404		1			Port Collar	5 1/2	in	1 ea	ea	2500	2500
406		1			Latex down plug & baffle	5 1/2	in	1 ea	ea	2500	2500
407		1			INSERT float sleeve w/ AUTO FILL	5 1/2	in	1 ea	ea	3250	3250
409		1			Turbolizer	5 1/2	in	1 ea	ea	850	850
419		1			Rotating head rental	5 1/2	in	1 ea	ea	200	200

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:  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?  CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 1210371  
 TAX: 6.5%  
 TOTAL: 1210371

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 Thank You!



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

TICKET CONTINUATION

TICKET No. 31997

CUSTOMER: *Petroleum Petroleum* WELL: *Peterson West #1* DATE: *Feb 19* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT			QTY	UM		
330		1			3WD cement	125	sk	16.25	2031.25
335		1			Standard cement (50-8-2)	100	sk	13.00	1300.00
384		1			calceal	500	lb	35.00	17500.00
383		1			salt	500	lb	0.20	100.00
385		1			CFR-1	50	lb	4.50	225.00
276		1			floccle	50	lb	2.50	125.00
281		1			mudflush	500	gal	1.50	750.00
281		1			KCL Dryoid	4	gal	25.00	100.00
290		1			D-AIR	2	gal	42.00	84.00
581		1			SERVICE CHARGE			1.75	393.75
583		1			MILEAGE CHARGE			6.85	340.84
TOTAL WEIGHT						2391.9			
LOADED MILES						35			
CUBIC FEET						400.99			
CONTINUATION TOTAL									5573.84

27.9444

JOB LOG

SWIFT Services, Inc.

DATE 1 Feb 19 PAGE NO. 1

CUSTOMER Talamino WELL NO. #1 LEASE Peterson Trust JOB TYPE Cement Lining string TICKET NO. 31997

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/ 1/4" floccle 100 sk EA-2 cement w/ 1/4" floccle 5 1/2" x 14" casing 108 joints 45 14 1/4" shoe bit 37.5B Post collar @ 67 1750' Controlizer 1,3,5,7,9,11,13,15,17,19,65 Solid #67
	1530							on loc TRX 114
	1715							start 5 1/2" x 14" pipe in well
	1930							Drop ball - circulate - ROTATE
	2030	4	12			100		Pump 500 gal mud flush
		4	20			100		Pump 20 bbl KCL flush
			6					Plug RH - 30sk
	2047	3 3/4	36			250		Mix SMD cement 955k @ 12.5 ppg
		3 3/4	23			250		Mix EA cement 1005k @ 15.3 ppg
								Drop latch down plug Wash out pump & line
	2115	6				200		Displace plug
		6	105			900		
	2130	6	110			1500		Land plug
								Release pressure to truck - closed up
	2150							Wash truck
								Rack up
	2220							Job complete Blaine, Hunt & Russ



PRESSURE PUMPING LLC

REMIT TO  
 QES Pressure Pumping LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884  
 Chanute,KS 66720  
 620/431-9210,1-800/467-8676  
 Fax 620/431-0012

Invoice

Invoice#

900098

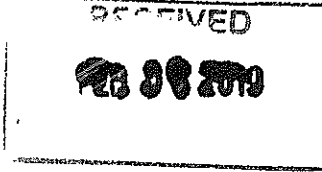
Invoice Date: 01/31/19

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
 NEWTON KS 67114-8827  
 USA



PETERSON TRUST #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	25.000	214.50
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	25.000	495.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	170.000	24.0000	25.000	3,060.00
CC5326	Sodium Chloride, Salt	100.000	0.0000	0.000	0.00

Subtotal 6,176.00

Discounted Amount 1,544.00

SubTotal After Discount 4,632.00

Amount Due 6,441.20 If paid after 03/02/19

Tax: 198.90

Total: 4,830.90



PRESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

11772  
40093

TICKET NUMBER 55984  
LOCATION Oakley Ks.  
FOREMAN Cory Davis / Walt D.

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice # 900098

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-25-19	6285	Peterson Trust #1	27	17	2.6	News
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Palaming Petroleum			753	Cory W.		
MAILING ADDRESS			70	Timothy F.		
4924 SE 84th Street				Neil W.		
CITY	STATE	ZIP CODE				
Newton	KS	67114-8827				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 219 CASING SIZE & WEIGHT 8 5/8 24#  
 CASING DEPTH 219 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.5 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5.8 PM

REMARKS: Safety meeting, rig up on ww-rig #2, circ casing on bottom, mix 170 sks  
 com 3% CC 2% gel, Displace 12.5 BBL H2O, shut in rig down

Cement Did Circ  
Approx BBL to Pit

Thanks You  
Cory & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C00471	1	PUMP CHARGE	1,150.00	1,150.00
C00002	40	MILEAGE	7.15	286.00
C00111	8	Ton Mileage Delivery	1.75	14.00
CC5871	170 sks	Surface Blend II	24.00	4,080.00
CC5326	100 #	Salt	.75	N/C
				6,176.00
		25% Disc		1,549.00
				4,627.00
		SALES TAX		198.90
		ESTIMATED TOTAL		4,825.90

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



## TERMS AND CONDITIONS

### ATTENTION: THESE TERMS AND CONDITIONS CONTAIN INDEMNITY PROVISIONS FOR DAMAGE TO PERSONS AND PROPERTY.

All Services or Products provided by QES Pressure Pumping LLC (f/k/a Consolidated Oil Well Services LLC) are subject to these Terms and Conditions unless superseded by a Master Service Agreement signed by the parties. In the event Customer does not accept these Terms and Conditions as written, Customer must request a Master Service Agreement from QES' Contracts Administration Department at [pse@qespl.com](mailto:pse@qespl.com).

The operations, services, supplies, materials, personnel or goods to be provided ("Services" or "Products" as applicable) by QES Pressure Pumping LLC ("QES") will be provided to you as customer ("Customer") in accordance with the following terms and conditions ("Agreement"). QES and Customer may be referred to as "Party" or "Parties".

1. **Price and Taxes.** Customer will pay QES for the Services or Products in accordance with QES' quoted price which exclude applicable taxes or process license fees. Customer shall pay all applicable taxes and process license fees related to the Services and/or Products. QES' prices are subject to change without notice.

2. **Terms of Payment.** Customer will pay QES cash in advance for Services and Products unless QES has approved credit prior to the performance of the Services and/or delivery of the Products. Credit terms for approved accounts require full payment of the invoiced amount within 30 days from the date of invoice. All invoices not paid within 30 days will be charged an interest rate of 1 1/2% per month or the maximum rate allowed under applicable state law, whichever is higher. Customer will be responsible for any fees incurred by QES in the collection of any amounts owed to QES including but not limited to attorney's fees and/or collection fee costs.

3. **Proof of Services or Delivery of Products.** QES will furnish verification of proof of Services performed and Product delivered to Customer's representative at the time of performance of the Services or Product delivery. Customer agrees to sign and return such verification indicating Customer's acceptance of the Services or Products.

4. **Delivery or Completion.** All liability and responsibility of QES ceases when (1) Products are delivered to the Customer by QES and no longer in the care, custody and control of QES or (2) when the carrier receives the Products and/or shipment. QES will not be responsible for loss or damage to Products in transit or for delays of carriers in delivering goods. In case of shortage, non-conformance, or apparent damage, it is the Customer's responsibility to secure written acknowledgement from the carrier before Customer accepts delivery. Additionally, QES will not be liable for any damage for delays in delivery or completion due to a Force Majeure (as defined below), acts or omissions of the Customer, third party material or manufacturing delays, impossibility or impracticability of performance or any other cause or causes beyond the control of QES. In the event of a delay caused by the aforesaid, the delivery or completion date will be extended for a period equal to any such delay, and the purchase or service will not be void or voidable as a result thereof.

5. **Well or Service Site Conditions.** Customer, having custody and control of the well and/or service site, and having superior knowledge of the same and the conditions surrounding them, warrant that the well and/or service site will be in proper condition to receive and accommodate Services and Products. Upon QES' request, Customer will provide documentation to verify that the well or service site is adequate to support the Services and the delivery of Products. Customer also warrants that QES' personnel and equipment will be able to safely access the well and service site and that any special equipment or road improvements required for such access will be the responsibility of Customer, unless otherwise agreed to by the parties.

6. **Chemical Handling and Hazardous Materials.** Customer agrees that for any waste created as part of the Services, Customer will be considered the "generator" for purposes of any applicable laws or regulations pertaining to the transportation, storage and handling of chemicals and hazardous materials.

7. **Data, Data Transmission and Storage.** QES does not warrant or guarantee the accuracy of any research analysis, survey, or other data generated for the Services. QES is not responsible for any accidental or intentional interception of such data by third parties and it is the responsibility of the Customer to safeguard such data against loss including any need to secure digital or paper copies for storage.

### 8. WARRANTIES - LIMITATION OF LIABILITY.

a) QES warrants that the Services and Products will: (i) be free from defects in materials and workmanship; (ii) be performed in a good and workmanlike manner, in accordance with good oilfield servicing practices; and (iii) conform to the plans, specifications and technical information provided in writing by Customer until the Services or Products are accepted by Customer or QES' contractual obligations are met. In the event that Customer discovers a defect in the Services or Products within the warranty period specified above, Customer will notify QES of such defect. In the event that QES confirms that the Services or Products are defective, QES's liability and Customer's exclusive remedy in any cause of action (whether in tort, contract, breach of warranty or otherwise) arising out of the sale or use of any Services or Products is expressly limited to, at QES' option, the (i) replacement of such Services or Products upon their return to QES or (ii) a credit to Customer for the full price paid by Customer for the defective segment of the Services or Products upon their return to QES. In the case of products or parts not wholly of QES' manufacture, QES' liability will be limited to the extent of its recovery from the manufacturer of such products or parts under its liability to QES. QES will not be liable for any damages, claims, losses or expenses of Customer resulting from such defects or for damages resulting from delays, loss of use, or other direct, indirect, incidental, punitive or consequential damages of any kind. QES will not be responsible for: (i) failures of Services that have been in any way tampered with or altered by anyone other than an authorized representative of QES; (ii) failures due to lack of compliance with recommended maintenance procedures; and (iii) products requiring replacement due to normal wear and tear.

b) EXCEPT FOR THE WARRANTIES EXPRESSLY STATED ABOVE, THERE ARE NO OTHER WARRANTIES. THE PARTIES EXPRESSLY EXCLUDE AND CUSTOMER WAIVES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

c) IN NO EVENT WILL QES' ENTIRE LIABILITY (IN TORT, CONTRACT, WARRANTY, INFRINGEMENT OR OTHERWISE) TO CUSTOMER EXCEED THE PURCHASE PRICE ACTUALLY PAID BY CUSTOMER FOR THE SERVICES OR PRODUCTS THAT GIVE RISE TO A DISPUTE. THIS PROVISION WILL SURVIVE ANY TERMINATION OF THIS AGREEMENT.

### 9. INDEMNIFICATION AND WAIVER OF CONSEQUENTIAL DAMAGES.

9.1 For purpose of this Section 9, the following definitions will apply: "QES Group" means QES Pressure Pumping LLC, its parent company, and affiliated companies, and its and their officers, directors, employees, contractors, subcontractors and invitees. "Customer Group" means Customer, its parent (if any), subsidiary and affiliated companies, co-owners, co-venturers, partners and any entity with whom Customer has an economic interest with respect to the Services, including Customer's joint interest owners and partners and its and their officers, directors, employees, contractors (not including QES), subcontractors and invitees.

9.2 **QES INDEMNITY.** QES AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.3 **CUSTOMER INDEMNITY.** CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF CUSTOMER GROUP OR DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF CUSTOMER GROUP.

9.4 **WELL.** CUSTOMER WILL RELEASE, PROTECT, DEFEND, AND INDEMNIFY QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER IN THE EVENTS OF: (i) LOSS OR DAMAGE TO ANY GEOLOGICAL FORMATION, STRATA OR OIL OR GAS RESERVOIR OR MINERAL OR WATER RESOURCE BENEATH THE SURFACE OF THE LAND OR WATER, (ii) LOSS OR DAMAGE TO THE HOLE OR WELL, (iii)

IMPAIRMENT OF PROPERTY RIGHTS OR OTHER INTERESTS IN OR TO OIL, GAS, MINERAL OR WATER RESOURCES, AND (iv) REGAINING CONTROL OF ANY WILD WELL OR OUT OF CONTROL WELL, UNDERGROUND OR ABOVE THE SURFACE, INCLUDING REMOVAL OF WRECK, DEBRIS, EQUIPMENT, AND HAZARDOUS MATERIALS AND REMEDIATING ENVIRONMENTAL DAMAGE.

9.5 **POLLUTION RESPONSIBILITY.** Subject to paragraphs 9.2 and 9.3, it is understood and agreed between Customer and QES that the responsibility for pollution shall be as follows:

(a) QES WILL ASSUME RESPONSIBILITY FOR CONTROL AND REMOVAL OF AND WILL PROTECT, DEFEND AND INDEMNIFY CUSTOMER GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND OF CHARACTER ARISING FROM POLLUTION OR CONTAMINATION WHICH ORIGINATES ABOVE THE SURFACE OF THE LAND OR WATER FROM THE EQUIPMENT OF ANY MEMBER OF QES GROUP MAINTAINED IN QES GROUPS' CARE, CUSTODY AND CONTROL, AND ARISING FROM THE PERFORMANCE OF THE SERVICES.

(b) CUSTOMER WILL ASSUME RESPONSIBILITY FOR CONTROL AND REMOVAL OF AND WILL PROTECT, DEFEND AND INDEMNIFY QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER ARISING FROM POLLUTION OTHER THAN THAT DESCRIBED IN SECTION 9.5(A) ABOVE, WHICH MAY OCCUR DURING THE CONDUCT OF OPERATIONS HERUNDER, INCLUDING, BUT NOT LIMITED TO, POLLUTION RESULTING FROM FIRE, BLOWOUT, CRATERING, SEEPAGE OR OTHER UNCONTROLLED FLOW OF OIL, GAS OR OTHER SUBSTANCE.

9.6 **WAIVER OF CONSEQUENTIAL DAMAGES.** NOTWITHSTANDING ANY PROVISION TO THE CONTRARY, CUSTOMER AND QES FURTHER AGREE THAT NEITHER PARTY WILL BE LIABLE TO THE OTHER OR EACH OTHER'S RESPECTIVE GROUP FOR ANY CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFIT, LOSS OF PRODUCTION, REVENUE, OR ANTICIPATED BUSINESS ("LOSSES"). CUSTOMER AGREES TO INDEMNIFY AND HOLD QES GROUP HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS FOR SUCH LOSSES ASSERTED BY MEMBERS OF CUSTOMER GROUP. QES AGREES TO INDEMNIFY AND HOLD CUSTOMER GROUP HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS FOR SUCH LOSSES ASSERTED BY MEMBERS OF QES GROUP.

9.7 EXCEPT AS OTHERWISE EXPRESSLY LIMITED BY THIS AGREEMENT OR BY LAW, ALL RELEASES, INDEMNITY OBLIGATIONS AND OTHER LIABILITIES ASSUMED UNDER THIS AGREEMENT WILL BE WITHOUT LIMIT AND WITHOUT REGARD TO THE CAUSE OR CAUSES, INCLUDING, WITHOUT LIMITATION, PREEXISTING CONDITIONS, UNSEAWORTHINESS, STRICT LIABILITY, WILLFUL MISCONDUCT, AND THE SOLE, JOINT, GROSS, OR CONCURRENT NEGLIGENCE OF ANY PARTY.

9.8. Each Party hereunder agrees to support its indemnity obligations with liability insurance coverage with limits of liability not less than ten million dollars (\$10,000,000). It is the express intention of the Parties that the indemnities contained herein apply to the fullest extent permitted by applicable law, and in no event will a Party's indemnity obligation be limited to the amount of insurance carried by each Party.

THIS SECTION 9 WILL SURVIVE THE TERMINATION OR EXPIRATION OF THIS AGREEMENT.

10. **Insurance.** All insurance policies of either Party, in any way related to the Services, whether or not required by this Agreement, shall to the extent of the risks and liabilities assumed by such party: (i) name the other party group as additional insured (except for worker's compensation, OEE/COW, or professional liability policies), (ii) waive subrogation as to the other party group; and (iii) be primary and non-contributory to any insurance of the other party group.

11. **Force Majeure.** Except the obligation to make payments when due, neither QES nor Customer will be liable nor deemed to be in breach of this Agreement for any delay or failure in performance resulting from the acts of God, civil or military authority, material change of law, any governmental action, acts of public enemy, war, accidents, fires, explosions, earthquakes, floods, failure of transportation, national strikes, acute or unusual labor, material or equipment shortages, or any similar or dissimilar cause beyond the reasonable control of either Party. The Party so affected will be as soon as such a cause or event occurs promptly notify the other Party in writing concerning the cause and the estimated effect and take reasonable measures with proper dispatch to remedy the condition. In the event Customer declares a force majeure occurrence, QES will be compensated at the standard daily rate for the materials and personnel that are standing idle as a consequence of the force majeure occurrence until Customer terminates the work order or work resumes.

12. **Governing Law.** This Agreement will be governed by the laws of the State of Texas, without regard to its conflicts of law provisions. The Parties agree to submit to the exclusive jurisdiction of the federal or state courts located in Houston, Harris County, Texas with respect to any and all disputes that arise out of or are related in any way to the subject matter of this Agreement. This Section 12 will survive the termination or expiration of this Agreement.

13. **Independent Contractor.** QES will be an independent contractor with respect to the Services performed, and neither QES nor anyone employed by QES will be deemed for any purpose to be the employee, agent, servant, borrowed servant or representative of Customer.

14. **Severability.** In the event any provision of this Agreement is inconsistent with or contrary to any applicable law, rule or regulation, the provision will be deemed modified to the extent required to comply, and the remaining terms, as modified, will remain in full force and effect.

15. **Waiver.** A waiver on the part of either Party of any breach of any term, provision or condition of this Agreement will not constitute a precedent and not bind either Party hereto to a waiver of any succeeding or other breach of the same or any other term, provision or condition of this Agreement.

16. **Entire Agreement.** This Agreement contains the entire agreement of the Parties with regard to the subject matter hereof and supersedes any prior oral and written agreements, contracts, representations or warranty between the Parties relating to the subject matter hereof. No amendment or modification of this Agreement will be effective unless it is in writing and signed by an authorized representative of each Party. If the Parties enter into a Master Service Agreement, then any term or condition herein which conflicts with the provisions of such Master Service Agreement will be deemed invalid.

# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Palomino Petroleum, Inc.  
 LEASE Petersen #1  
 FIELD Wildcat  
 LOCATION 335' FSL & 335' FEL  
 SEC 27 TWSP 17 S RGE 26 W  
 COUNTY Ness STATE Kansas  
 CONTRACTOR WW Drilling Rig #2  
 SPUD 1/25/19 COMP 2/1/19  
 RTD 4510' LTD 4518'  
 MUD UP \_\_\_\_\_ TYPE MUD Chemical

#### ELEVATIONS

KB 2444'

DF \_\_\_\_\_

GL 2439'

Measurements Are All  
From Kelly Bushing

#### CASING

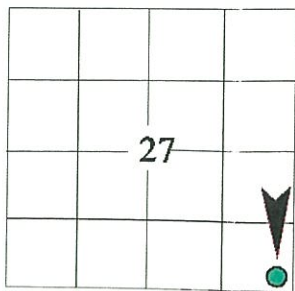
CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" at 219'  
 PRODUCTION 5.5" @ 4510

#### ELECTRICAL SURVEYS

Gemini  
CND/DIL, MIC

SAMPLES SAVED FROM 3600' TO RTD  
 DRILLING TIME KEPT FROM 3600' TO RTD  
 SAMPLES EXAMINED FROM 3600' TO RTD  
 GEOLOGICAL SUPERVISION FROM 3600'  
 REFERENCE WELL \_\_\_\_\_

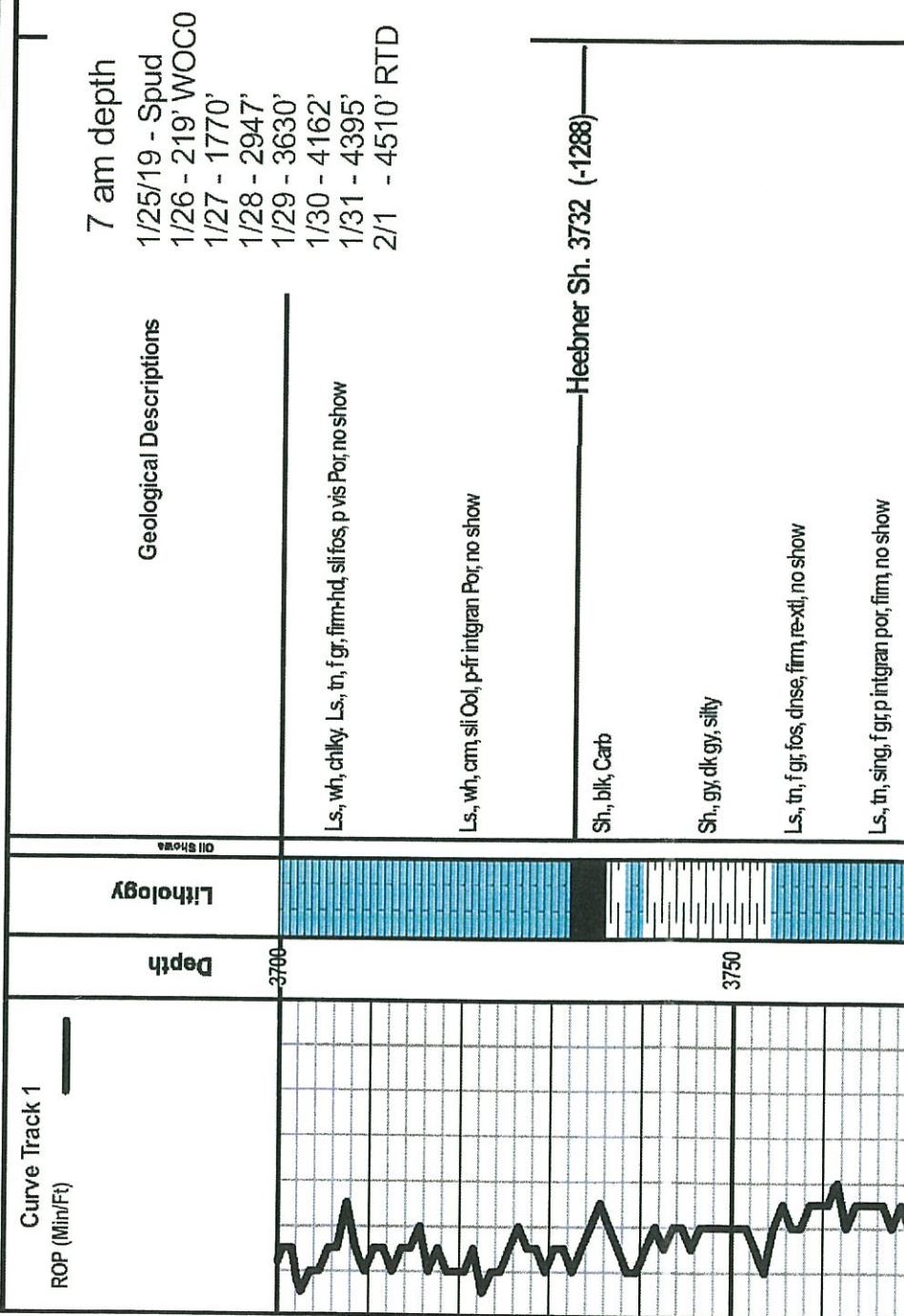
Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anhydrite		1781 (+663)	
Heebner Sh.		3732 (-1288)	
Lansing		3777 (-1333)	
Stark		4020 (-1576)	
BKC		4086 (-1642)	
Ft. Scott		4283 (-1839)	
Mississippi		4380 (-1936)	

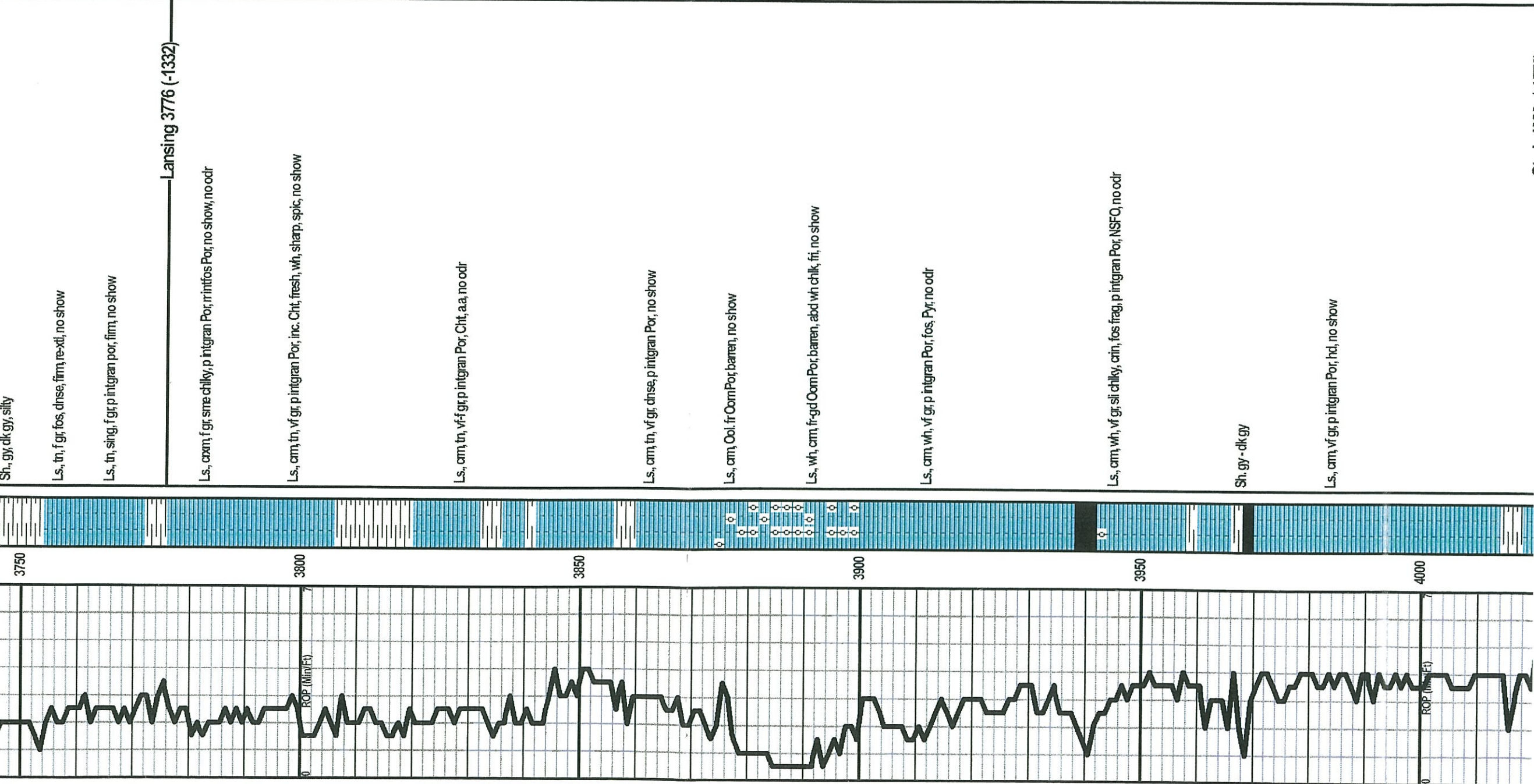


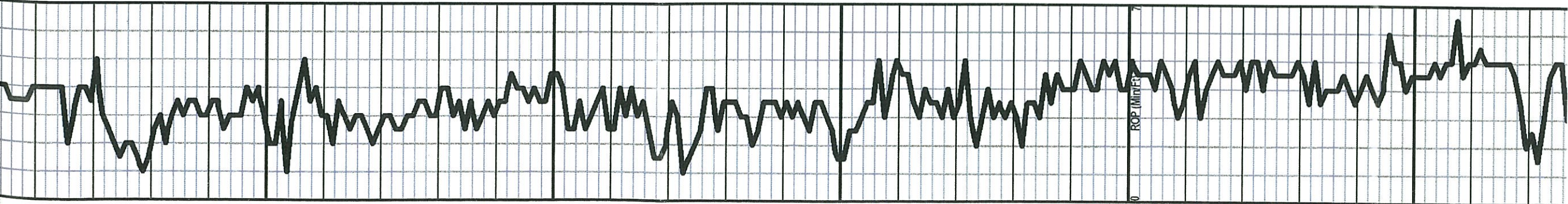
REMARKS Based on sample, log, and DST analysis, the Petersen #1 will be further evaluated through production casing. Log TD was 8' deep. Surface casing on log was also 8' deep. Most tops were ~8' deeper on log. However, production casing found bottom at 4511', which agrees with the strap (1.93' Long). Therefore, no adjustment was made to Drilling time on this report.

Respectfully Submitted,

Sean P. Deenihan







**Stark 4020 (-1576)**

Ls., wh, cm, vf gr, fri, v chiky, sme Col, barren, no odr, NSFO

Ls., cm, vf gr, fos, dnse, p intgran Por, vug, no show

**Hushpuckney 4050 (-1606)**

Ls., lt tn, gy, vf gr, p intgran Por, abd fos, cherty, no show

Ls., gy, vf gr, sing, dnse, no vis Por, no show

**BKC 4084 (-1640)**

Sh, gy, dk gy

Sh., gy, gm, dk gy, silty

Ls., gy, xf-vf gr, p intgran Por, dnse, sme chiky,

Sh., gy, gm, silty, gummy

Ls., tn, vf gr, p intgran Por, SSFO up on crush, no odr

Ls., tn, bm, xf-vf gr, p intgran Por, No show

Sh., dk gy-blk

**Pawnee 4210 (-1766)**

Ls., cm, gy, vf gr, sl chiky, no show

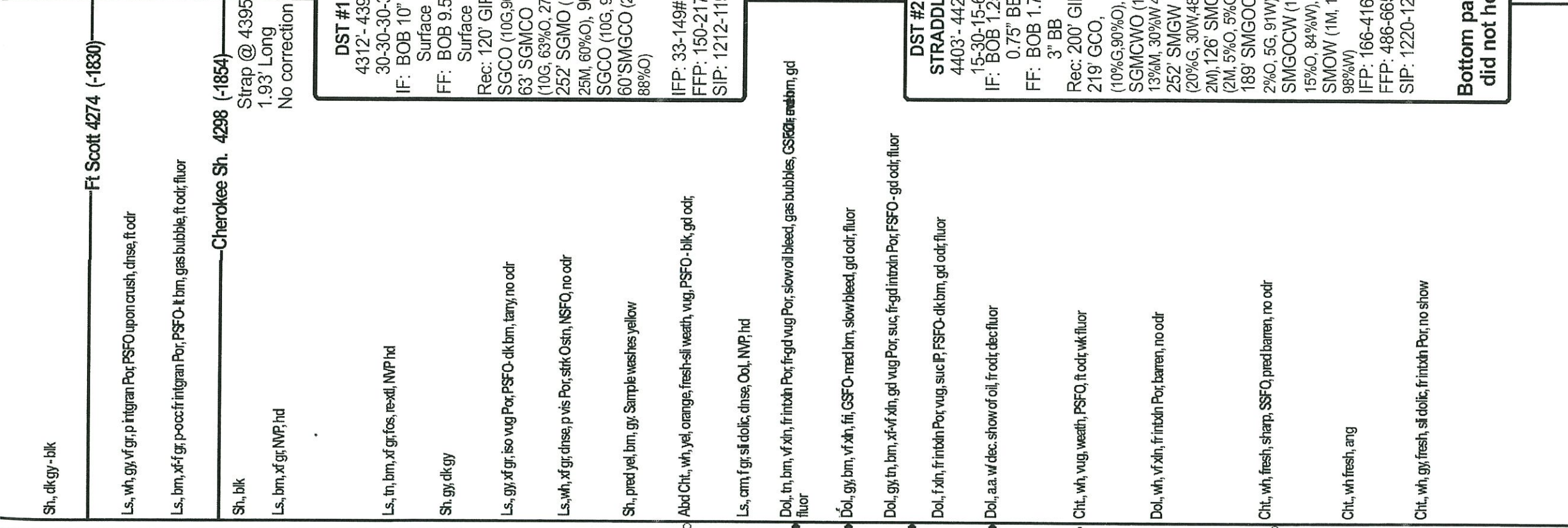
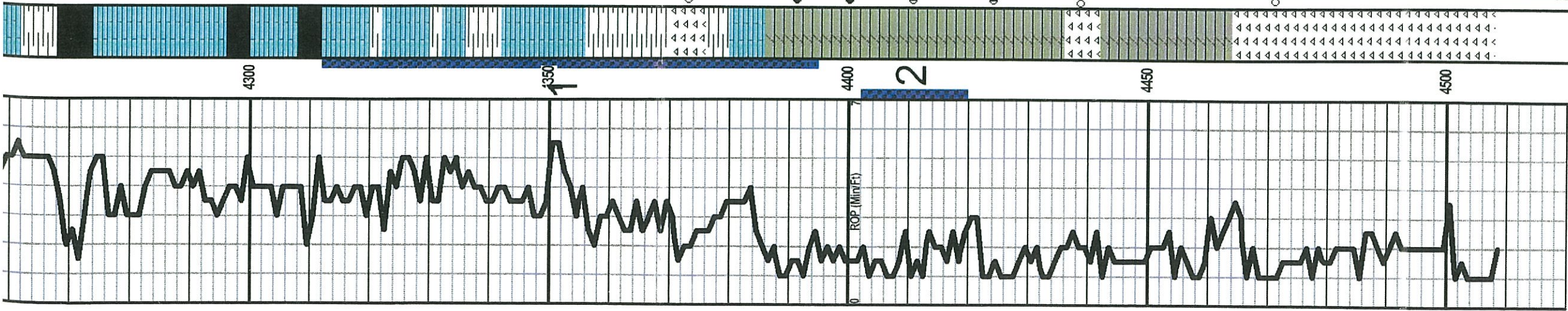
Ls., gy, vf gr, dnse, p intgran Por, no show

Ls., gy, lt gy, xf-vf gr, p intgran Por, dnse, no show

Ls., gy, dk gy, vf gr, p intgran Por, hd, no show

Sh., dk gy - blk

**Ft Scott 4274 (-1830)**



Ft Scott 4274 (-1830)

Cherokee Sh. 4298 (-1854)

Strap @ 4395  
1.93' Long  
No correction made

**DST #1**  
4312'- 4395'  
30-30-30-30"  
IF: BOB 10"  
Surface  
FF: BOB 9.5"  
Surface  
Rec: 120' GIP, 65'  
SGCO (10G,90%O),  
63' SGMCO  
(10G, 63%O, 27M),  
252' SGMO (15G,  
25M, 60%O), 90'  
SGCO (10G, 90%O),  
60' SMGCO (2M, 10G  
88%O)  
IFP: 33-149#  
FFP: 150-217#  
SIP: 1212-1197#

**DST #2**  
**STRADDLE**  
4403' - 4420'  
15-30-15-60"  
IF: BOB 1.25 min  
0.75" BB  
FF: BOB 1.75 min  
3" BB  
Rec: 200' GIP,  
219' GCO,  
(10%G,90%O), 189'  
SGMCWO (10G,  
13%M, 30%W 47%O),  
252' SMGW  
(20%G, 30W,48%O,  
2M), 126' SMGOCW  
(2M, 5%O, 5%G, 88W)  
189' SMGOCW (2M  
2%O, 5G, 91W), 189'  
SMGOCW (1%M,  
15%O, 84%W), 315'  
SMOW (1M, 1%O,  
98%W)  
IFP: 166-416#  
FFP: 486-665#  
SIP: 1220-1202#  
**Bottom packer  
did not hold**