

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 _____
---	---	--

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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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	COX-DELANEY UNIT 1
Doc ID	1460059

Tops

Name	Top	Datum
Anhy.	1464	(+ 758)
Base Anhy.	1496	(+ 726)
Heebner	3711	(-1489)
Lansing	3761	(-1539)
BKC	4118	(-1896)
Pawnee	4201	(-1979)
Ft. Scott	4279	(-2057)
Cherokee Sh.	4309	(-2087)
Miss. Porosity	4403	(-2181)
LTD	4498	(-2276)

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED
FEB 11 2019

Invoice

Date	Invoice #
2/7/2019	0013357

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
COX DENALEY#1	Due on receipt	

Quantity	Description	Rate	Amount
250	60/40 POZMIX CEMENT	13.75	3,437.50
9	CALCIUM-CHLORIDE	80.00	720.00
62.5	FLO-SEAL	2.00	125.00
259	HANDLING	1.90	492.10
	BULK MILEAGE	906.50	906.50
1	TRI-PLEX PUMP CHARGE FOR PLUG	850.00	850.00
35	HEAVY EQUIPMENT. ONE WAY	6.50	227.50
35	LMV- ONE WAY	2.75	96.25
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		0.00
	NESS CO SALES TAX	7.50%	0.00

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

Total	\$6,854.85
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GLOBAL OIL FIELD SERVICES, LLC

0013357

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>1-31-19</u>	SEC <u>16</u>	TWP <u>20s</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>5:15 PM</u>
LEASE <u>Co. Property</u>	WELL # <u>1</u>	LOCATION <u>99 of Palomina 3wrs south into</u>			COUNTY <u>Neosho</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR WWD Drilling Rig #24

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4515'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

EQUIPMENT _____

PUMP TRUCK # 97 CEMENTER Cochran

BULK TRUCK # 410 HELPER Josco

BULK TRUCK # _____ DRIVER Stan

BULK TRUCK # _____ DRIVER _____

OWNER Palomina Petroleum

CEMENT AMOUNT ORDERED 250s x 60/46 lbs 4% Gel

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

1550' 50s x

690' 80s x

270' 50s x

60' 20s x

Rat 30s x

Mud 20s x

CHARGE TO: Palomina Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PRINTED NAME Charles Armer

SIGNATURE Charles Armer

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
 RUSSELL, KS 67665

RECEIVED

JAN 31 2019

Invoice

Date	Invoice #
1/28/2019	0013354

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
COX DELANEY U...	Due on receipt	

Quantity	Description	Rate	Amount
160	60/40 POZMIX CEMENT	13.75	2,200.00
5	CALCIUM-CHLORIDE	80.00	400.00
3	BENTONITE GEL	30.00	90.00
158	HANDLING	1.90	300.20
	BULK MILEAGE	500.00	500.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
35	HEAVY EQUIPMENT. ONE WAY	6.50	227.50
35	LMV- ONE WAY	2.75	96.25
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	NESS CO SALES TAX	7.50%	0.00

Thank you for your business.

Total \$4,663.95

Phone #	Fax #
785-445-3525	785-445-3526

GLOBAL OIL FIELD SERVICES, LLC

0013854

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>1-28-19</u>	SEC. <u>29</u>	TWP. <u>32 S</u>	RANGE <u>12 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>1:00pm</u>
LEASE <u>Cox Debra</u>	WELL# <u>1</u>	LOCATION <u>9th of Barline 3W 8th South</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)			<u>intc</u>				

CONTRACTOR WW Drilling Rig # 26

TYPE OF JOB Surface

HOLE SIZE 17 1/2 T.D. 205

CASING SIZE 8 5/8 DEPTH 200

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

OWNER Palomina Petroleum Inc

CEMENT AMOUNT ORDERED 160 5x 60/40 3600

2% Gel

CEMENT LEFT IN CSG. 25'

PERFS

DISPLACEMENT

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

_____ @

_____ @

_____ @

_____ @

_____ @

_____ @

_____ @

_____ @

HANDLING @

MILEAGE @

TOTAL _____

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Cody

BULK TRUCK # 379 DRIVER Tom

BULK TRUCK # DRIVER

REMARKS:

Run 5,15 of 3 3/8 casing + Lj's Holed to Rig + Break circulation Holed to Truck + Pumped 160 5x of Cement + Displaced 12 1/2 bbl of H2O + Shut IN.

Cement Displ. Calculate to Surface

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Palomina Petroleum Inc

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

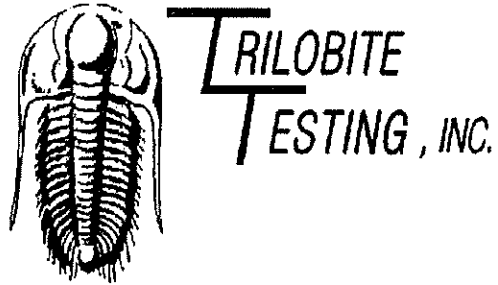
PRINTED NAME _____

SIGNATURE Charles Armer

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Ryan Seib

Cox-Delaney Unit #1

16-20s-22w Ness,KS

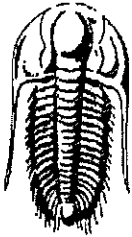
Start Date: 2019.01.29 @ 07:35:00

End Date: 2019.01.29 @ 15:37:45

Job Ticket #: 57087 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.01.31 @ 14:56:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

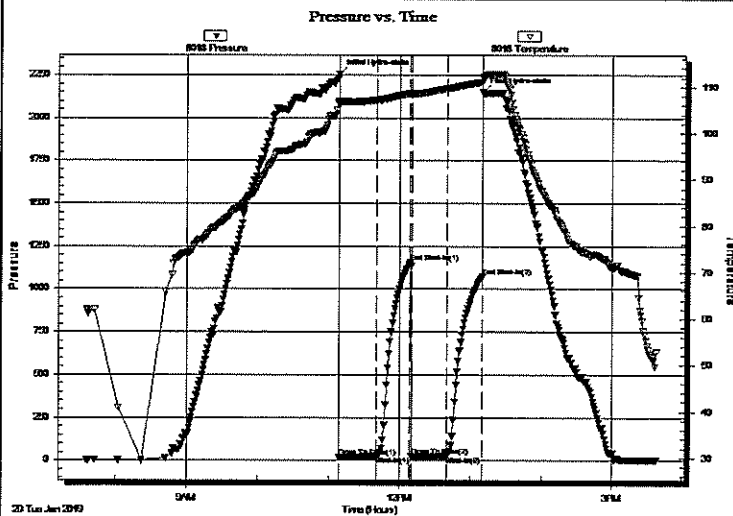
16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57087 DST#: 1
Test Start: 2019.01.29 @ 07:35:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:09:00
Time Test Ended: 15:37:45
Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 67
Interval: **4415.00 ft (KB) To 4425.00 ft (KB) (TVD)**
Total Depth: 4425.00 ft (KB) (TVD)
Reference Elevations: 2222.00 ft (KB)
2210.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 12.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 25.91 psig @ 4416.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.01.29 End Date: 2019.01.29 Last Calib.: 2019.01.29
Start Time: 07:35:05 End Time: 15:37:44 Time On Btm: 2019.01.29 @ 11:08:45
Time Off Btm: 2019.01.29 @ 13:10:15

TEST COMMENT: 30-IF-Weak; Built to 1 1/4"
30-ISI-No Return
30-FF-Weak; Built to 1/2"
30-FSI-No Return



PRESSURE SUMMARY

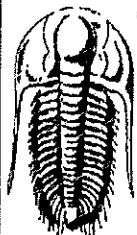
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.21	106.82	Initial Hydro-static
1	19.47	106.09	Open To Flow (1)
32	21.81	107.14	Shut-In(1)
61	1154.74	108.60	End Shut-In(1)
62	24.61	108.16	Open To Flow (2)
92	25.91	109.64	Shut-In(2)
122	1072.87	111.10	End Shut-In(2)
122	2151.09	112.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud w/show oil	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57087 DST#: 1
Test Start: 2019.01.29 @ 07:35:00

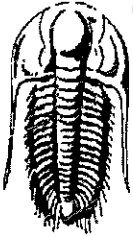
Tool Information

Drill Pipe:	Length: 4284.00 ft	Diameter: 3.82 inches	Volume: 60.73 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	59000.00 lb
			Total Volume: - bbl	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4415.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	27.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	8018	Inside	4416.00	
Recorder	0.00	8677	Inside	4416.00	
Perforations	6.00			4422.00	
Bullnose	3.00			4425.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57087 DST#: 1
Test Start: 2019.01.29 @ 07:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12500.00 ppm			
Filter Cake: inches			

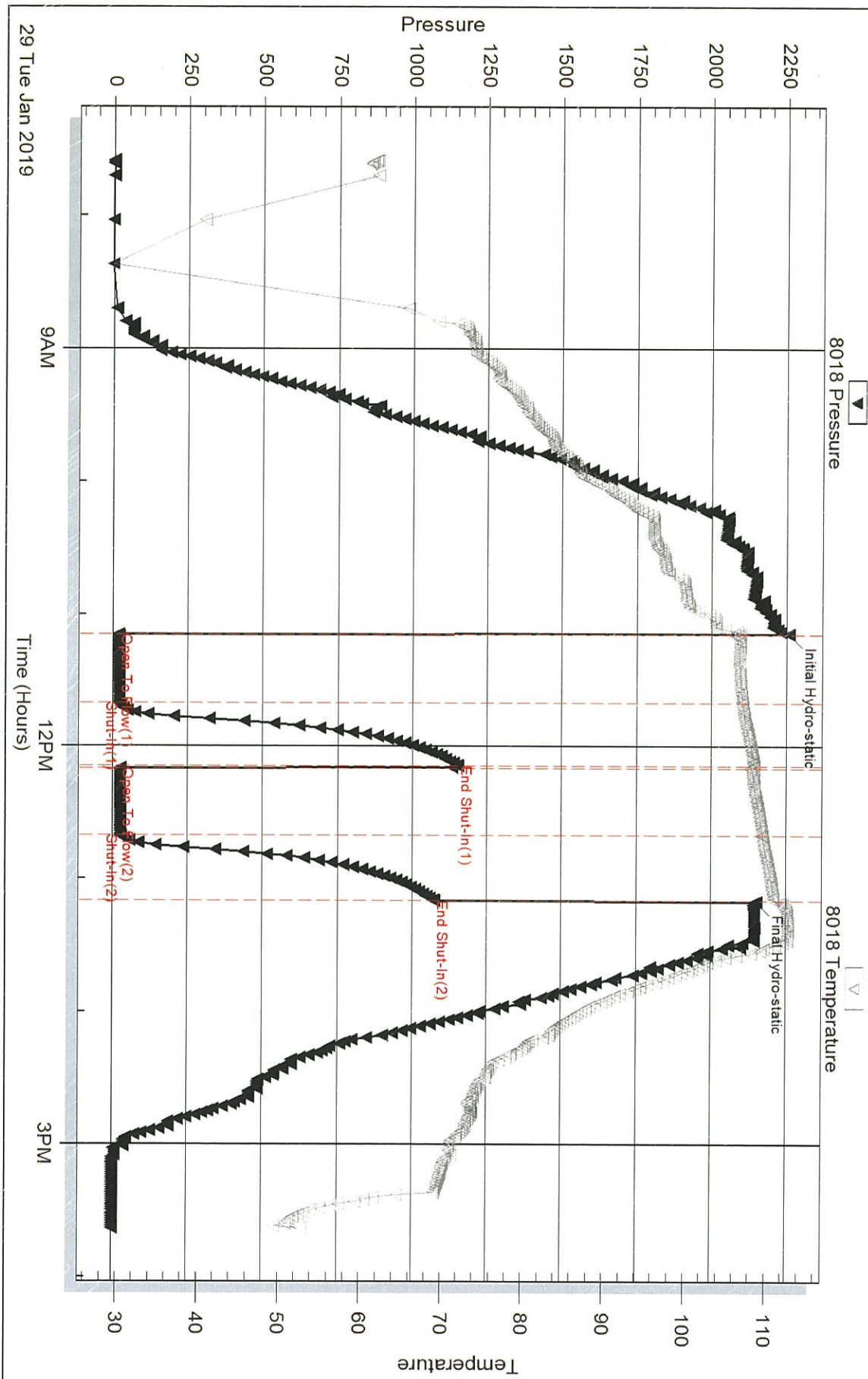
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Mud w/show oil	0.059

Total Length: 12.00 ft Total Volume: 0.059 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM

Pressure vs. Time



Serial #: 8677

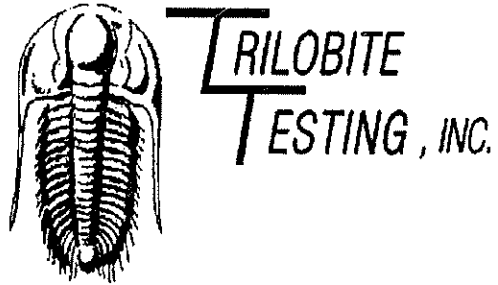
Inside

Palomino Petroleum Inc

Cox-Delaney Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Ryan Seib

Cox-Delaney Unit #1

16-20s-22w Ness,KS

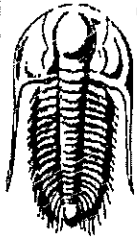
Start Date: 2019.01.29 @ 21:36:00

End Date: 2019.01.30 @ 07:16:30

Job Ticket #: 57088 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.01.31 @ 14:55:57



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

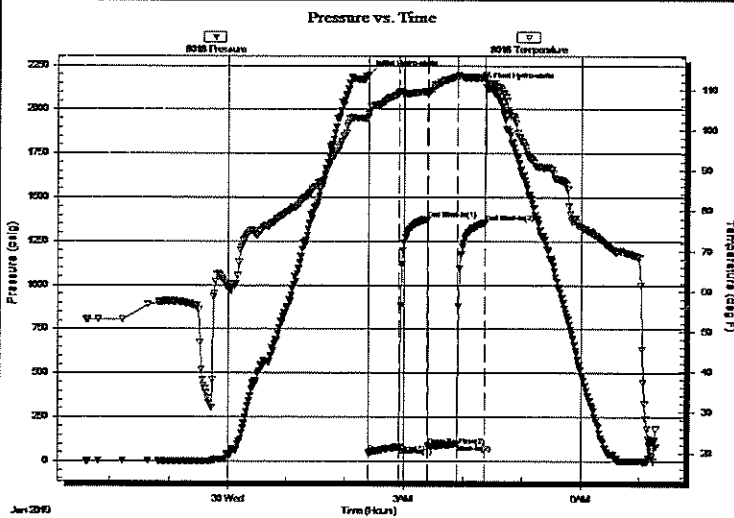
16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57088 DST#: 2
Test Start: 2019.01.29 @ 21:36:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:24:00
Time Test Ended: 07:16:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 67
Interval: **4415.00 ft (KB) To 4435.00 ft (KB) (TVD)**
Total Depth: 4435.00 ft (KB) (TVD)
Reference Elevations: 2222.00 ft (KB) / 2210.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 12.00 ft

Serial #: 8018 Inside
Press@RunDepth: 97.98 psig @ 4416.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.01.29 End Date: 2019.01.30 Last Calib.: 2019.01.30
Start Time: 21:36:05 End Time: 07:16:30 Time On Btm: 2019.01.30 @ 02:23:45
Time Off Btm: 2019.01.30 @ 04:22:30

TEST COMMENT: 30-IF-Weak; Built to 4"
30-ISI-No Return
30-FF-Weak; Built to 2 1/2"
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.73	103.98	Initial Hydro-static
1	46.97	103.32	Open To Flow (1)
32	79.27	109.32	Shut-In(1)
60	1372.24	109.64	End Shut-In(1)
61	84.86	109.33	Open To Flow (2)
90	97.98	113.24	Shut-In(2)
119	1356.13	113.15	End Shut-In(2)
119	2125.01	113.74	Final Hydro-static

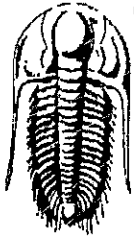
Recovery

Length (ft)	Description	Volume (bbl)
210.00	WM 35%W 65%M	1.89

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57088 DST#: 2
Test Start: 2019.01.29 @ 21:36:00

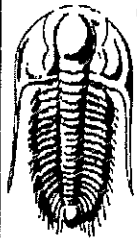
Tool Information

Drill Pipe:	Length: 4284.00 ft	Diameter: 3.82 inches	Volume: 60.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 81000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4415.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	27.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	8018	Inside	4416.00	
Recorder	0.00	8677	Outside	4416.00	
Perforations	16.00			4432.00	
Bullnose	3.00			4435.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

16-20s-22w Ness,KS
Cox-Delaney Unit #1
Job Ticket: 57088 DST#: 2
Test Start: 2019.01.29 @ 21:36:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	44000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	WM35%W65%M	1.894

Total Length: 210.00 ft Total Volume: 1.894 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM
 Rw = .555@21F

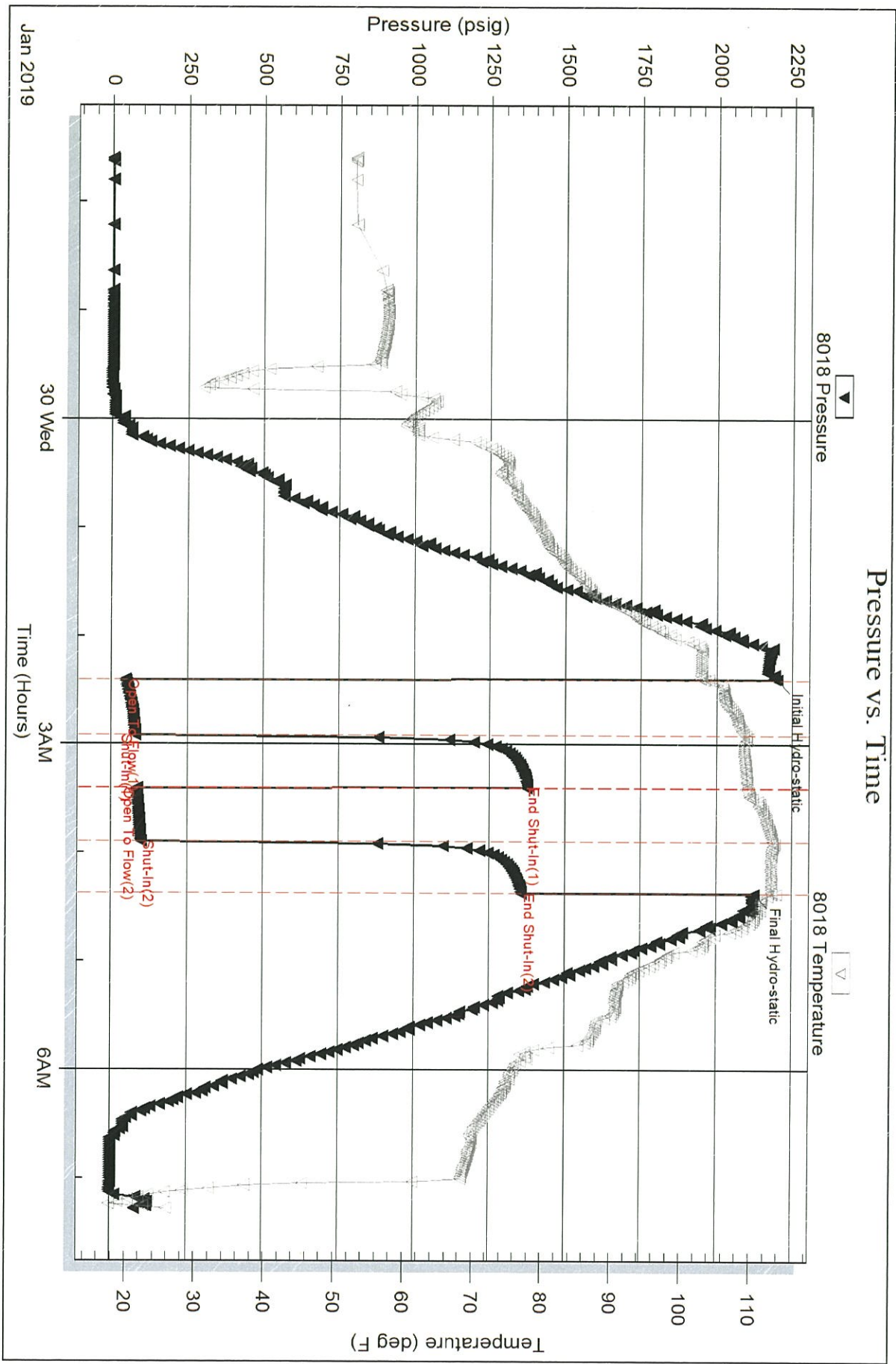
Serial #: 8018

Inside

Palomino Petroleum Inc

Cox-Delaney Unit #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 57088

Printed: 2019.01.31 @ 14:55:58

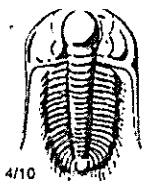
Serial #: 8677

Outside Palomino Petroleum Inc

Cox-Delaney Unit #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57087

Well Name & No. Cos-Delmon Unit #1 Test No. 1 Date 01/29/2019
 Company Palominor Petroleum Inc Elevation 2222 KB 2210 GL
 Address 4924 SE 84th St Newton MO 67114 + 8827
 Co. Rep / Geo. Ryan Seib Rig 209W #24
 Location: Sec. 16 Twp. 20s Rge. 22w Co. Miss State Mo

Interval Tested 4415' - 4425' Zone Tested Mississippi
 Anchor Length 10' Drill Pipe Run 4284 Mud Wt. 9.3
 Top Packer Depth 4410' Drill Collars Run 117' Vis 57
 Bottom Packer Depth 4415' Wt. Pipe Run -- WL 6.4
 Total Depth 4425' Chlorides 12,500 ppm System LCM 1#

Blow Description 67- Wash, Built to 1 1/4"
68- No Return
77- Wash, Built to 1/2"
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>12'</u>	<u>Mud w/show oil</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 12' BHT 111° Gravity -- API RW -- @ -- °F Chlorides -- ppm

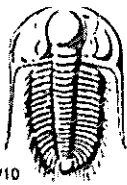
(A) Initial Hydrostatic 2257 Test 1150 T-On Location 06:50
 (B) First Initial Flow 19 Jars 250 T-Started 07:35
 (C) First Final Flow 21 Safety Joint 75 T-Open 11:05
 (D) Initial Shut-In 1154 Circ Sub _____ T-Pulled 13:05
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 15:34
 (F) Second Final Flow 25 Mileage 162 RT 162 Comments Broken naturally
 (G) Final Shut-In 1072 Sampler _____
 (H) Final Hydrostatic 2151 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Accessibility 150 Sub Total 0
 Sub Total 1787 Total 1787
 MP/DST Disc't _____

Approved By _____ Our Representative Janner J. Stand

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

785-259-056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57088

Well Name & No. Cox-Delaney Unit #1 Test No. 2 Date 01/29/2019
 Company Palomina Petroleum Inc Elevation 2222 KB 2210 GL
 Address 4924 SE 84th St Newton KS 67114+8827
 Co. Rep / Geo. Ryan Seib Rig WUW #24
 Location: Sec. 16 Twp. 20N Rge. 22W Co. Neosho State Ks

Interval Tested 4415' - 4435' Zone Tested Mississippi
 Anchor Length 20' Drill Pipe Run 4234' Mud Wt. 9.3
 Top Packer Depth 4410' Drill Collars Run 117' Vis 57
 Bottom Packer Depth 4415' Wt. Pipe Run - WL 6.4
 Total Depth 4435' Chlorides 12500 ppm System LCM 1#

Blow Description 17- Weak; Built to 4"
158- No Return
17- Weak; Built to 2 1/2"
159- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>210'</u>	<u>209M</u>		<u>35</u>	<u>65</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 210' BHT 113° Gravity - API RW. 555 @ 21 °F Chlorides 44000 ppm

(A) Initial Hydrostatic 2196 Test 1150 T-On Location 21:20
 (B) First Initial Flow 46 Jars 250 T-Started 21:35
 (C) First Final Flow 79 Safety Joint 75 T-Open 02:25 01/30/2019
 (D) Initial Shut-In 1372 Circ Sub - T-Pulled 04:25
 (E) Second Initial Flow 84 Hourly Standby - T-Out 7:17
 (F) Second Final Flow 97 Mileage 162 RT 162+162 Comments Loaded 1/31/20
 (G) Final Shut-In 1356 Sampler - (cc) 8:30
 (H) Final Hydrostatic 2125 Straddle -
 Shale Packer - Ruined Shale Packer -
 Extra Packer - Ruined Packer -
 Extra Recorder - Extra Copies -

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Accessibility 150
 Sub Total 1949
 Sub Total 0
 Total 1949
 MP/DST Disc't -

Approved By _____ Our Representative Janece J. Paul Thanks!

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

785-259-0051

Ryan Seib
Petroleum Geologist

815 S. Tapoka

Ness City, KS 67560

(785) 798-8898

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

CLIENT Palomina Petroleum

LEASE Cox - Delaney # 1

FIELD _____

LOCATION 494' ENL + 134' FEL

SEC. 16 TWP. 20S RGE 22W

COUNTY Ness STATE KS

ELEVATION

KB 2223'

DF _____

GL 2213'

Measurement Area At

From KD

CASING RECORD

SIZE 8 5/8" @

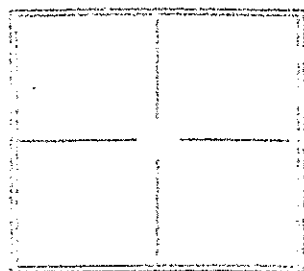
222'

DESCRIPTION N/A

WELL LOG SURVEYS

CND, PEL,

Micro



DRILLING UV Drilling Rig #24

DATE 1/24/19 COMP. 1/30/19

TO 4515' LOG TO 4498'

STARTER DEPTH FROM 3400' TO RTD

DRILLING TIME FROM 3400' TO RTD

STARTER SAMPLE FROM 3400' TO RTD

LOG DEPTH FROM 3550' TO RTD

LOG UP 3350' TYPE LOG Chemical

NO. 15-135-24027

FOOTAGE

LOG

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

DEPTH

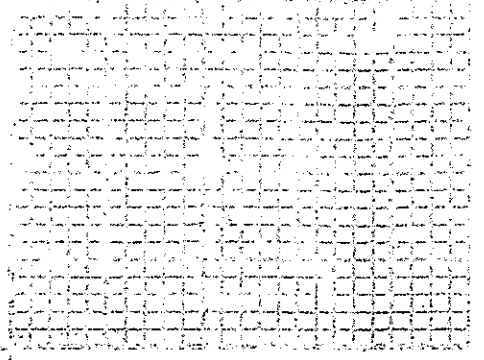
DEPTH

DEPTH

LEGEND

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

SCALE 1" = 100'



50

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

60

70

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

80

90

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

3900

10

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

20

30

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

40

50

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

60

70

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

80

90

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

4000

10

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

20

30

40

50

60

70

80

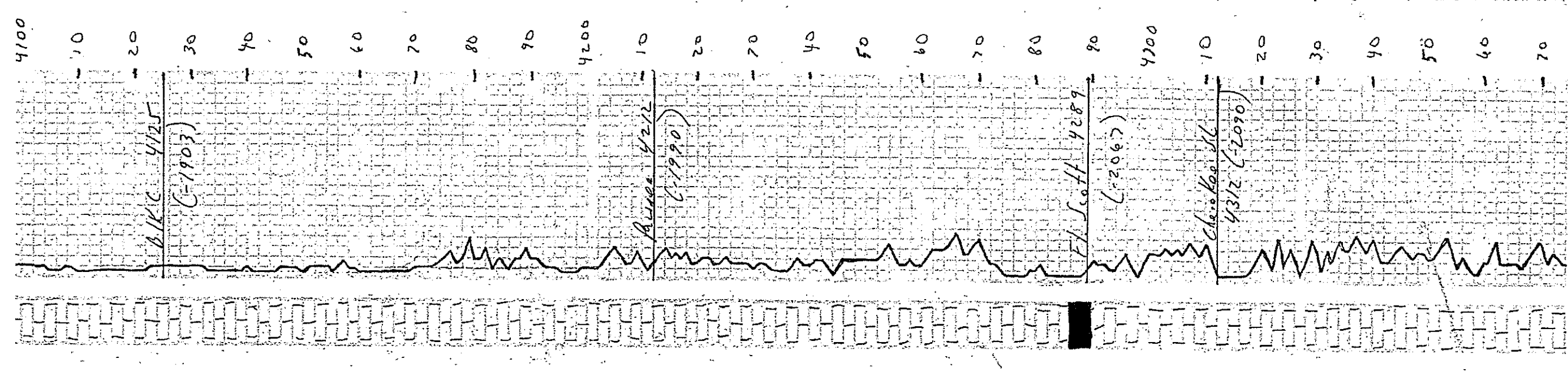
90

4100

10

denture throat, 1/2 in. x 1/2 in. x 1/2 in.

4100
 4110
 4120
 4130
 4140
 4150
 4160
 4170
 4180
 4190
 4200
 4210
 4220
 4230
 4240
 4250
 4260
 4270
 4280
 4290
 4300
 4310
 4320
 4330
 4340
 4350
 4360
 4370
 4380
 4390
 4400



Mid ✓ @ 4173'
 wt. - 9.1
 L.S. - 48
 wt. - 8.8
 Cal. - 11,200
 Len. - 1.4

Sh. 97 - det. 97
 L.S. - det. 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

