

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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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	BRENDA 1
Doc ID	1461658

Tops

Name	Top	Datum
Anhy.	1578	(+ 726)
Base Anhy.	1616	(+ 688)
Heebner	3702	(-1398)
Toronto	3723	(-1419)
Lansing	3745	(-1441)
Marmaton	4086	(-1782)
Pawnee	4168	(-1864)
Ft. Scott	4251	(-1947)
Cherokee Sh.	4279	(-1975)
Cherokee Sd.	4360	(-2056)
Miss.	4390	(-2086)
LTD	4453	(-2149)

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED
MAR 05 2019

Invoice

Date	Invoice #
3/4/2019	0013393

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

P.O. No.	Terms	Project
BRENDA#1	Due on receipt	

Quantity	Description	Rate	Amount
250	60/40 POZMIX CEMENT	13.75	3,437.50
9	BENTONITE GEL	30.00	270.00
62.5	FLO-SEAL	2.00	125.00
259	HANDLING	1.90	492.10
	BULK MILEAGE	906.00	906.00
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
1	DRY HOLE PLUG	62.50	62.50
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE	8.50%	0.00
	GOVE CO SALES TAX		

Thank you for your business.		Total	\$6,466.85
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Phone #	Fax #
785-445-3525	785-445-3526

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED
MAR 06 2019

Invoice

Date	Invoice #
3/4/2019	0013389

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

P.O. No.	Terms	Project
BRENDA#1	Due on receipt	

Quantity	Description	Rate	Amount
160	COMMON CEMENT	16.50	2,640.00
5	CALCIUM-CHLORIDE	80.00	400.00
3	BENTONITE GEL	30.00	90.00
168	HANDLING	1.90	319.20
	BULK MILEAGE	588.00	588.00
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	\$5,210.95
Phone #	Fax #		
785-445-3525	785-445-3526		

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Palomino Petroleum, Inc.
LEASE Brenda #1
FIELD Wildcat
LOCATION 1924' FSL & 1380' FWL
SEC 20 **TWSP** 18 S **RGE** 24 W
COUNTY Ness **STATE** Kansas
CONTRACTOR WW Drilling Rig #22
SPUD _____ **COMP** _____
RTD 4450' **LTD** 4453'
MUD UP _____ **TYPE MUD** Chemical

ELEVATIONS

KB 2304'
DF _____
GL 2294'

Measurements Are All From Kelly Bushing

CASING

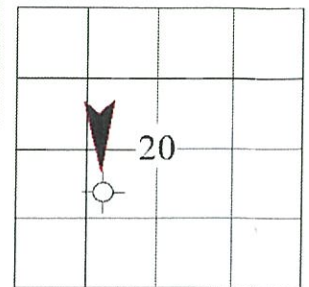
CONDUCTOR _____
SURFACE 8-5/8" at 224'
PRODUCTION None

ELECTRICAL SURVEYS

Gemini
CND/DIL, MIC

SAMPLES SAVED FROM 3700' **TO** RTD
DRILLING TIME KEPT FROM 3700' **TO** RTD
SAMPLES EXAMINED FROM 3700' **TO** RTD
GEOLOGICAL SUPERVISION FROM 3550'
REFERENCE WELL _____

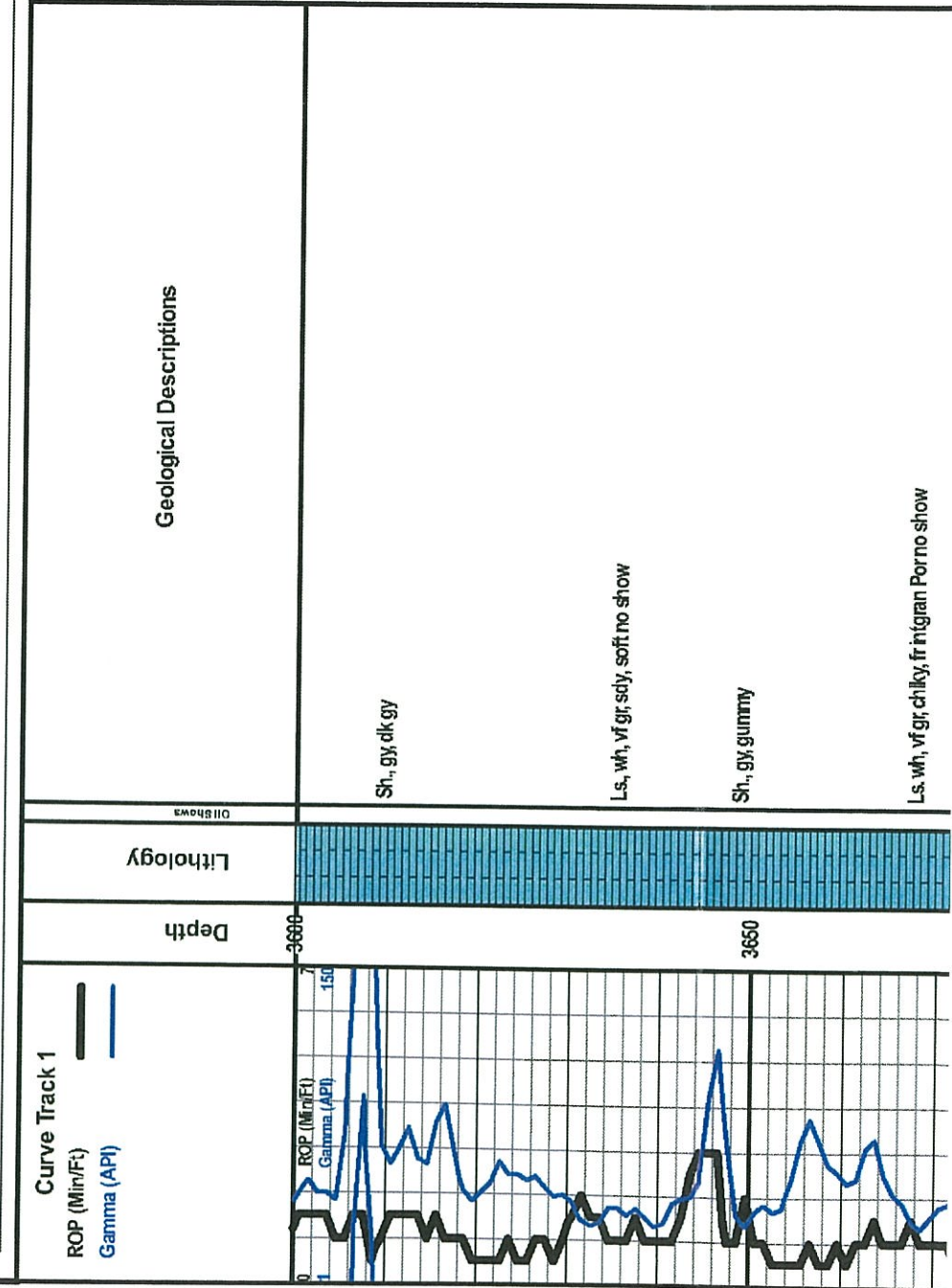
Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anhydrite		1616 (+688)	
Heebner Sh.		3702 (-1398)	
Lansing		3745 (-1441)	
Pawnee.		4168 (-1864)	
Ft Scott		4251 (-1947)	
Cherokee Sh.		4279 (-1975)	
Cherokee SS		4360 (-2056)	
Mississippi		4390 (-2086)	

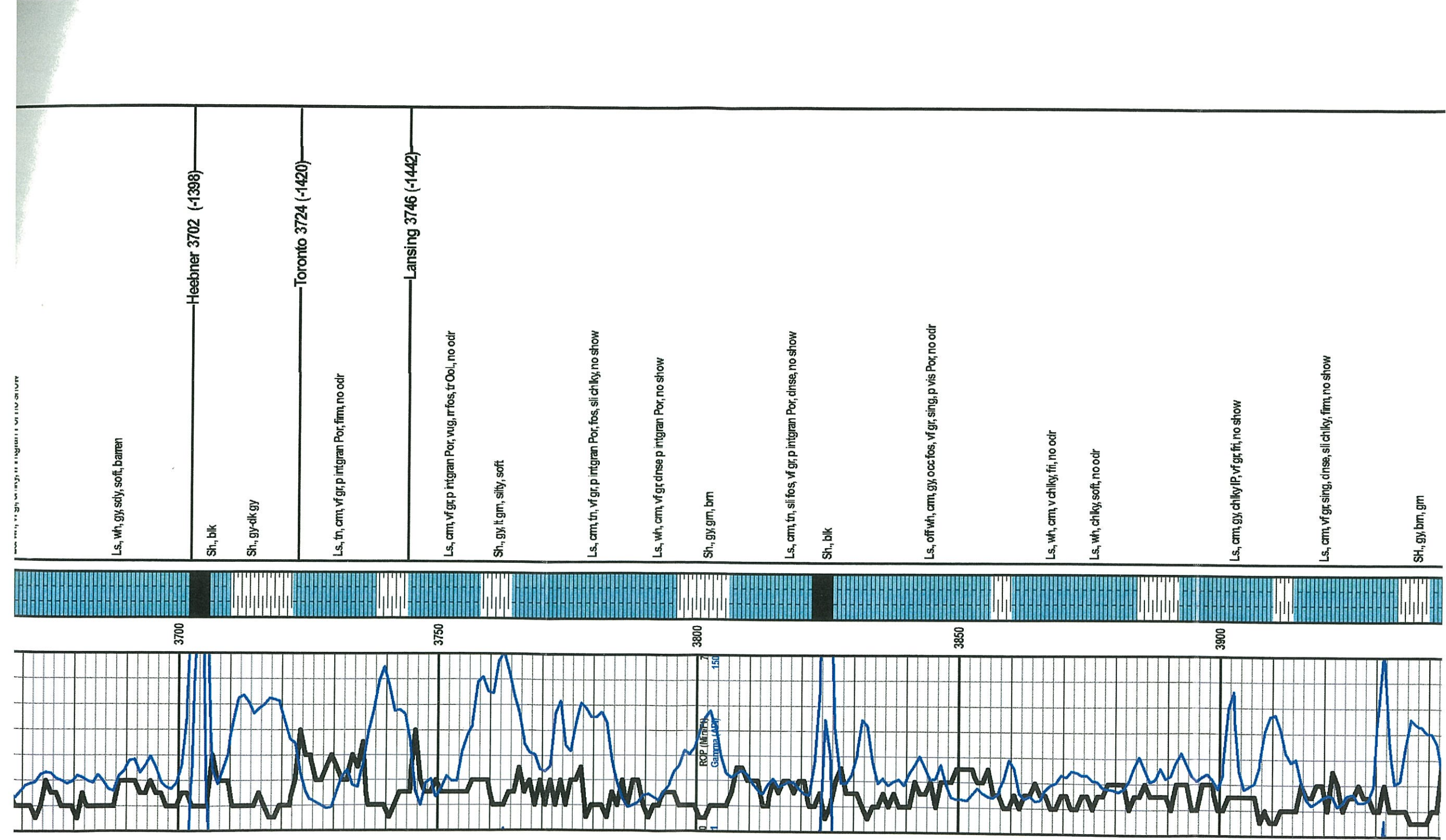


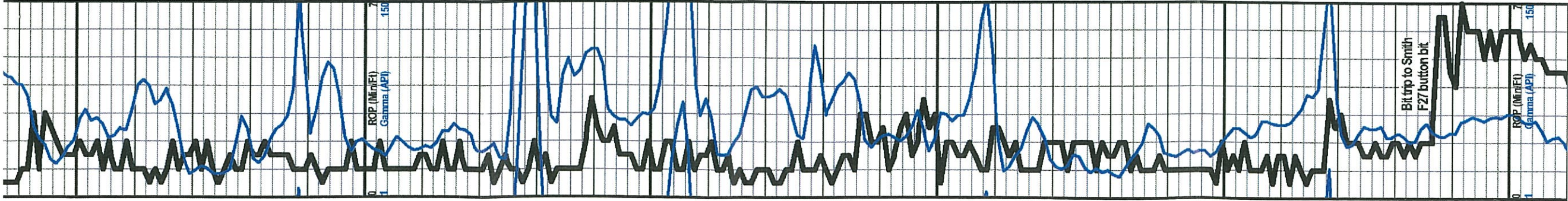
REMARKS Based on sample analysis, DST results, log evaluation, and relative structural position, the Brenda #1 was plugged and abandoned.

Respectfully Submitted,

Sean P. Deenihan







Sh., gy, bm, gm

Ls., wh, cm, fos frag, vf gr, chky, tr, p-fr intgran Por, no show, no odr

Sh., gy, dk gy

Ls., cm, off wh, firm-hd, p intgran Por, sil chky, tr Ool, no show

Ls., wh, it bm, vf gr, p intgran Por, sil chky, no show

Ls., cm, vf gr, p intgran Por, sil chky, r fos, firm, no odr

Ls., cm, vf gr, p intgran Por, abd chlk, sil fos, no show

Sh., blk

Ls., wh, cm, vf gr, dnse, p intgran Por, sil chky, firm, no show

Sh., blk

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

Sh., gy, it gm, silty

cht, wh, gy, fresh, sharp

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

Ls., gy, bm, vf gr, mottled, sil chky, p intgran Por, no show

Ls., wh, cm, xf-vf gr, dnse, SSFO upon crush- it brown, pred flaky-od oil, no odr, wk fluor

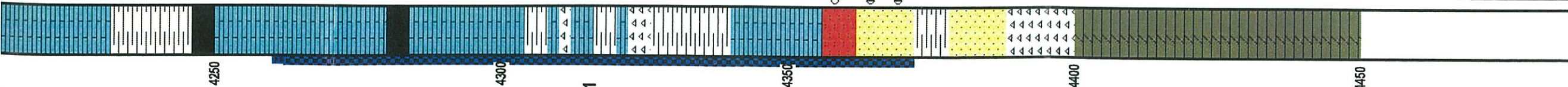
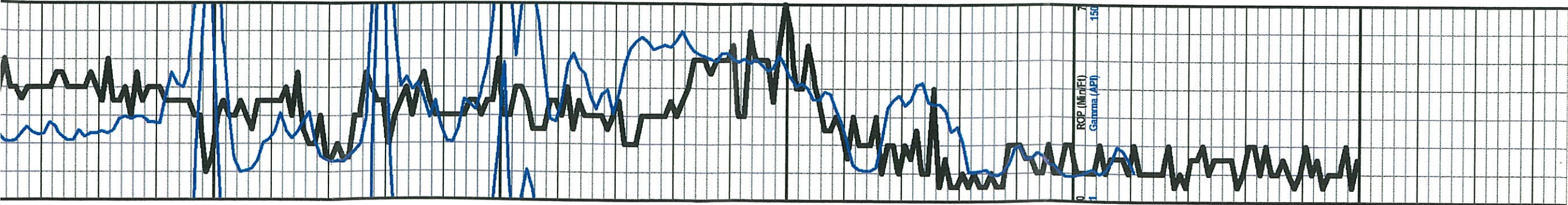
Ls., wh, gy, dolic, vf xh, fr intgran Por, barren

Pawnee 4170 (-1866)

Ls., gy, tn, vf gr, p intgran Por, dnse, no odr

Ls., it gy, cm, sil dolic, dnse, p intxin Por, no show

Ls., aa



Ls, gy, lt, brn, firm-hd, dnse, p intgran Por, no odr

Sh., dk gy

Sh., blk

Ft. Scott 4251 (-1947)

Ls, wh, gy, vf gr, p intgran Por, v chiky, SSFO upon crush, no cup odr, no fluor

Sh., blk

Cherokee 4280 (-1976)

Ls, tn, brn, vf gr, dnse, no odr

Sh., blk, soft

Ls, wh, gy, vf gr, sing, p intgran Por, sme soft, wh chik, pred dnse

Chl, cl-brn, whigy, fresh, spic

Sh., brn, gy, gm, yel

Ls, wh, gy, dnse, firm-hd, no odr

Siltstone, wh, gm, silty, GlauclP, P intgran Por, firm, no show, no odr

Cherokee SS 4360 (-2056)

Ss, cl-wh, vf gr, sbang, sme glauc, fr-gd intgran Por, glauc, FSFO upon crush, gd odr, fluor

Ss, wh, vf-f gr, mod strd, sbang-ang, fr, FSFO- lt-md brn, gd odr

Sh., varic

Ss, wh, gm, vf gr, sbnd-ang, mod strd, fr-gd intgran Por, glauc, fr, barren, no odr

Mississippi 4390 (-2086)

Chl, wh, fresh-si weath, spic, vug, NVP

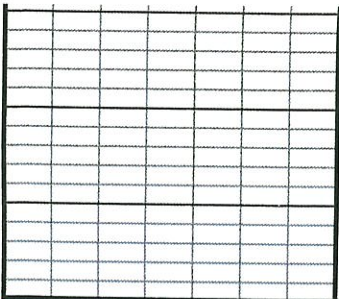
Dol., crm, tn, vf xtn, fr intxn Por, fr, no show

Dol., crm, brn, p-fr intxn Por, barren, suc IP, no show

Dol., a.a. inc. vug Por, no show

Dol., crm, f xtn, vug, fr intxn Por, fr, no show, no odr

DST #1
 4260-4372
 10-30-10-30"
 IF: BOB 30 sec
 No BB
 FF: BOB 1 min
 Rec. 2079'
 MCW
 IFP: 586-800#
 FFP: 853-1028#
 SIP: 1293-1287#
 Chl: 20k



4500

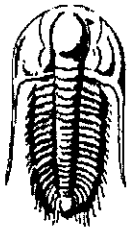
Palomino Petroleum, Inc.

KB: 2304'

RTD: 4450'

Brenda #1
20 -18S-24W
Ness Co., KS

LTD: 4453'



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

20-18-24 Ness KS

4924 SE 84th St
New ton, KS 67114

Brenda #1

Job Ticket: 65156

DST#: 1

ATTN: Sean Deenihan

Test Start: 2019.02.26 @ 23:23:03

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:14:33
 Time Test Ended: 11:35:03

Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79

Interval: **4260.00 ft (KB) To 4372.00 ft (KB) (TVD)**
 Total Depth: 4372.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2304.00 ft (KB)
 2294.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8166

Outside

Press@RunDepth: 1028.26 psig @ 4261.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.02.26

End Date:

2019.02.27

Last Calib.: 2019.02.27

Start Time: 23:23:08

End Time:

11:35:03

Time On Btm: 2019.02.27 @ 05:13:03

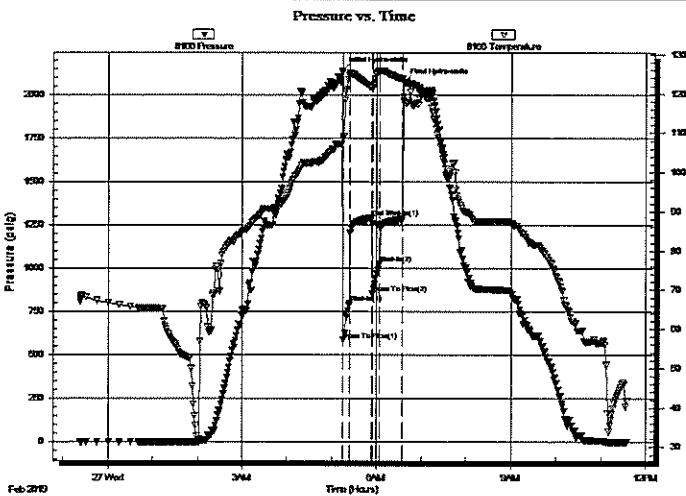
Time Off Btm: 2019.02.27 @ 06:35:33

TEST COMMENT: IF: BOB in 30 sec. 147"

IS: No return.

FF: BOB in 1 min. 130"

FS: No return.



PRESSURE SUMMARY

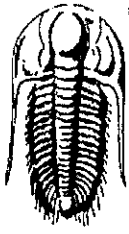
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.96	107.12	Initial Hydro-static
2	586.00	108.72	Open To Flow (1)
10	800.71	124.94	Shut-In(1)
41	1293.67	121.61	End Shut-In(1)
41	853.58	121.22	Open To Flow (2)
51	1028.26	125.75	Shut-In(2)
81	1287.00	123.72	End Shut-In(2)
83	2070.34	119.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	mcw 90%w 10%m	18.39
315.00	w cm 20%w 80%m	4.42
378.00	w cm 5%w 95%m	5.30

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

20-18-24 Ness KS

4924 SE 84th St
New ton, KS 67114

Brenda #1

Job Ticket: 65156

DST#: 1

ATTN: Sean Deenihan

Test Start: 2019.02.26 @ 23:23:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in²

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1386.00	mcw 90%w 10%m	18.385
315.00	w cm 20%w 80%m	4.419
378.00	w cm 5%w 95%m	5.302

Total Length: 2079.00 ft Total Volume: 28.106 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .39@59=20000

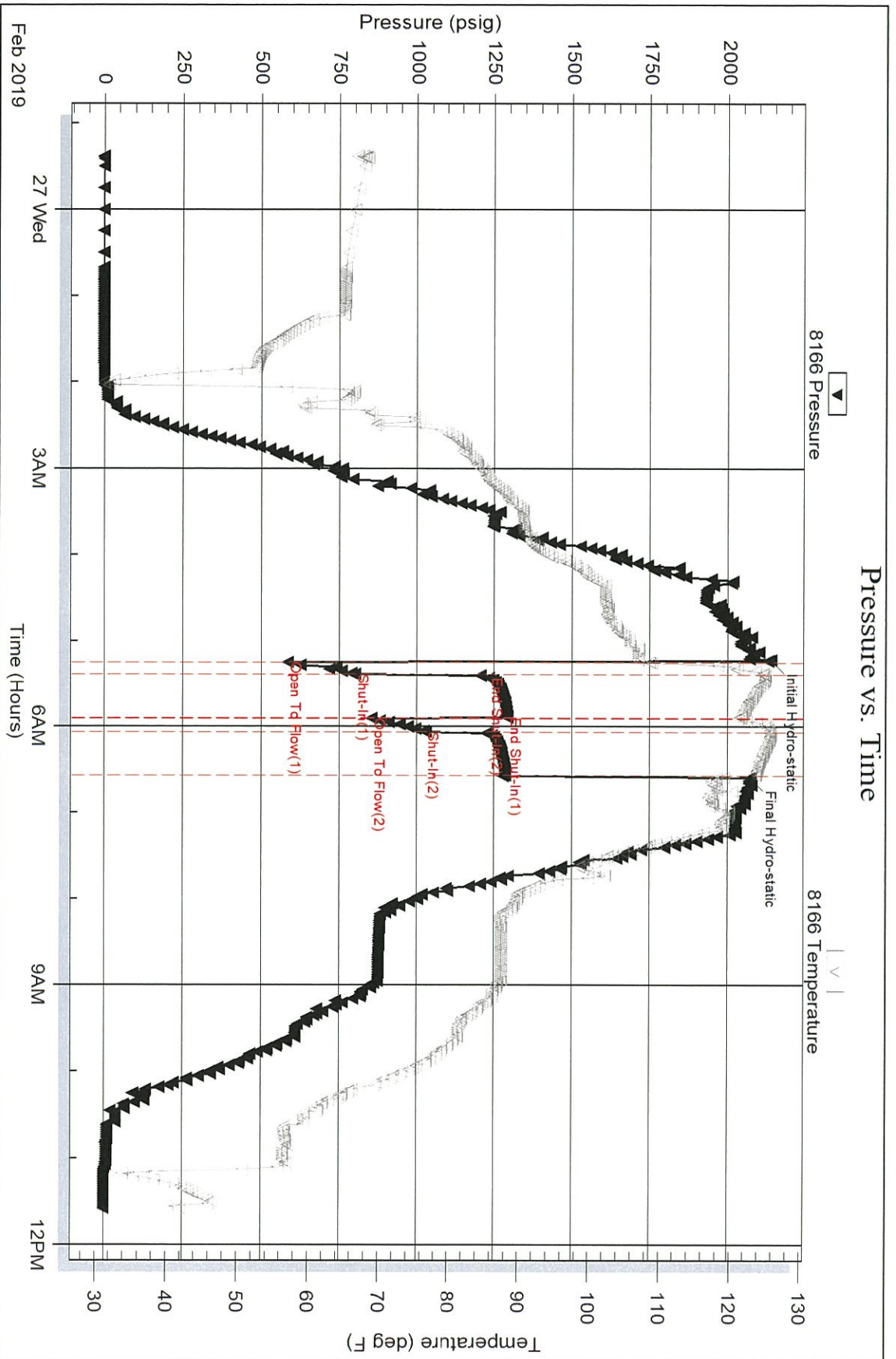
Serial #: 8166

Outside Palomino Petroleum

Brenda #1

DST Test Number: 1

Pressure vs. Time



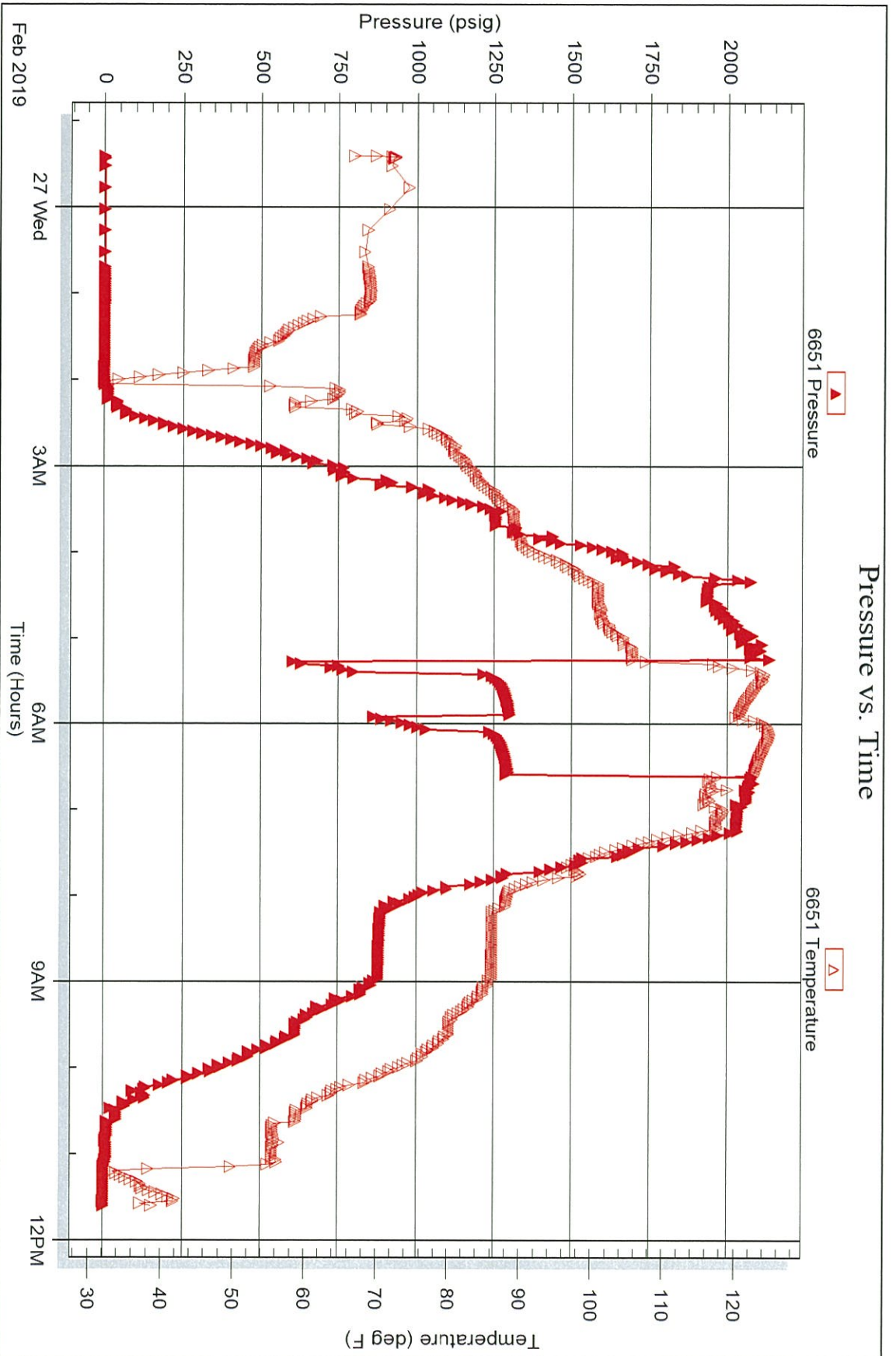
Serial #: 6651

Inside

Palomino Petroleum

Brenda #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65156

Printed: 2019.02.27 @ 11:57:40