

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 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	LEW-TA 1
Doc ID	1418613

Tops

Name	Top	Datum
Anhy.	1945	(+ 614)
Base Anhy.	1969	(+ 590)
Heebner	3817	(-1258)
Lansing	3857	(-1298)
BKC	4190	(-1631)
Marmaton	4212	(-1653)
Pawnee	4315	(-1756)
Ft. Scott	4375	(-1816)
Cherokee Sh.	4401	(-1842)
Miss.	4471	(-1912)
LTD	4528	(-1969)

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Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4124	4141			
4	4166	4170			500 gal. 15% MCA
4	4118	4120			500 gal. 15% NE with m.s.
	4120	4124			Retreated w/1000 gal. 15% NE with m.s.
	4159	4162			
	4170	4180			
	4192	4195			
4	4159	4162			
	4166	4170			
	4170	4179			
	4192	4195			

Ryan Seib
Petroleum Geologist

815 S Tepeka

Ness City, KS 67560

(785) 798-5398

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

OPERATOR _____

LEASE LEV-TA # 2

FIELD _____

LOCATION 2134' E52 & 2296' FWL

SEC. 24 TWP. 17S RGE. 27W

COUNTY Lane STATE KS

CONTRACTOR LW Drilling Rig # 10

COMM. 8/14/14 COMP. 8/13/14

RTD 4526' LOG TO 4528'

SAMPLES SAVED FROM 3500' TO RTD

DRILLING TIME KEPT FROM 3500' TO RTD

SAMPLES EXAMINED FROM 3500' TO RTD

GEOLOGICAL SUPERVISION FROM 3488' TO RTD

MUD U# 3488' TYPE MUD Chemical

API # 15-101-22528

ELEVATION

KB 2558'

DF _____

GL 2554'

Measurements Are All

From KL

CASING RECORD

SURFACE 8 5/8" @

213'

PRODUCTION 5 1/2"

WELL LOG SURVEYS






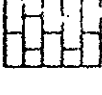

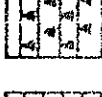
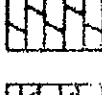
CND, OIL

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
Anhydrite	1945	(+614)	1928	(+621)	
Heaber	3812	(-1258)	3812	(-1258)	
Loating	3857	(-1298)	3857	(-1298)	
B/KC	4190	(-1625)	4182	(-1628)	
Marcaton	4212	(-1653)	4213	(-1654)	
Bowsee	4315	(-1716)	4312	(-1718)	
El Scott	4325	(-1816)	4324	(-1815)	
Cherokee Ia	4401	(-1892)	4398	(-1899)	
Mississippia	4471	(-1912)	4466	(-1892)	

REFERENCE WELL FOR STRUCTURAL COMPARISON _____

REMARKS

LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Coal/Lime
-  Chert
-  Dolomite

SCALE " = 100'

	Remarks, drill stem tests, etc.
Sample Description	
DEPTH	
Drilling time in minutes	
Lithology	

3700

Small, thin, faint, white

50

Very small, faint, white, scattered

Small, faint, white, scattered

3800

Small, faint, white, scattered

M4 ✓ @ 3824

wt. - 9.0

vis - 5.1

WL - 8.0

ChL - 1,900

ChH - 2.4

Thin, blue, carb

Small, faint, white, scattered

Very small, faint, white, scattered

50

Small, faint, white, scattered

Very small, faint, white, scattered

OUT # 2 3898' - 3920'

30-30-30-30

Rec. 135' Wm. Coburn, 20 Jan

IF - 2 1/2" N. Return

FF - 1"

HP - 1835# - 1841#

IPP - 19# - 84# IPP - 19# - 84#

ISPP - 1080# IPP - 1062#

3900

Small, faint, white, scattered

Very small, faint, white, scattered

Small, faint, white, scattered

OST # 2 4993' - 4005'

30-30-30-30

Rec. 5' Wm. Coburn, 20 Jan

IF - 1/4"

FF - 1" N. Return

50

Very small, faint, white, scattered



OST # 2 4943-4005'
 30-30-30-30
 Rec. 5' mud (100.2m)
 IP-1/4" N. Return
 FF-Dead
 HR-1901#-1897#
 FFP-15#-19# FFP-20#-22#
 FSR-911# FSR-726#

Mud v @ 4005'
 UA-9.2
 Vis-4.8
 WL-8.0
 CAC-2,400
 LCM-2.5

30-30-30-30
 Rec. 5' mud w/ oil spots
 IP-1/4"
 FF-Dead
 HR-1944#-1940#
 IFA-18#-19# FFP-22#-26#
 FSR-934# FSR-848#

Mud v @ 4078'
 UA-7.0
 Vis-7.8
 WL-9.0
 CAC-2,500
 LCM-2

OST # 4 4070'-4116'
 30-30-30-30
 Rec. 5' mud w/ oil spots
 IP-1/4"
 FF-Dead N. Return
 HR-1984#-1927#
 FFP-15#-19# FFP-14#-18#
 FSR-25# FSR-20#

Mud v @ 4193'
 UA-9.2
 Vis-5.2
 WL-8.4
 CAC-3,100
 LCM-2

OST # 5 4120'-4193'
 30-30-30-30
 Rec. 12.90' 8" C302g, 70lbs
 IF-0.0. 2 1/2" ISF-0.0. 9"
 FF-Instant F.S.F.-0.0. 11"
 6TS @ 11 min
 TSTM
 HA-2042#-2032#
 FFP-76#-264# FFP-279#-389#
 FSR-710#

30-30-30-30
 Rec. 12.90' 8" C302g, 70lbs
 IF-0.0. 2 1/2" ISF-0.0. 9"
 FF-Instant F.S.F.-0.0. 11"
 6TS @ 11 min
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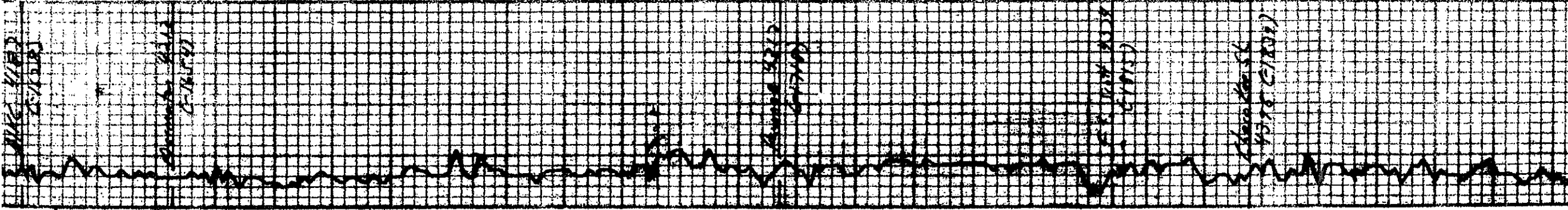
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 FF-Instant F.S.F.-0.0. 11"
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 6TS @ 11 min
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 FSR-710#

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 IF-0.0. 2 1/2" ISF-0.0. 9"
 FF-Instant F.S.F.-0.0. 11"
 6TS @ 11 min
 TSTM
 HA-2042#-2032#
 FFP-76#-264# FFP-279#-389#
 FSR-710#



→ P-0.00. 412 55F-0.00. 7"
 FF-Instmt F.S.P.-0.00. 11"
 6TS @ 11min TSTM
 HA-2042#-2032#
 FFP-76#-204# FFR-279#-389#
 FJF-0.719# FJF-0.707#

4200 SL, 907-61K
 V.S. con-64 gm. u/h = 50 x h
 1000/ward, p = 2.0 v.c. 8, no odr,
 1000
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 50
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 4300 SL, 11K-507
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 50 SL, 11K-507
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 4400 SL, 11K-507
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 50 SL, 11K-507
 V.S. con-64 gm. u/h x h, toward
 1000/ward, p = 2.0 v.c. 8, no odr,
 50 SL, 11K-507

Summary of Changes

Lease Name and Number: LEW-TA 1

API/Permit #: 15-101-22528-00-00

Doc ID: 1418613

Correction Number: 2

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	08/06/2015	08/20/2018
Geologist Report / Mud Logs?		Yes
Operator's Contact Name	K. Robert Watchous	Klee Robert Watchous
Perf_acid1		Attached
Perf_bridgeplug1depth		Attached
Perf_bridgeplug1type		Attached
Perf_perf1bottom		Attached
Perf_perf1top		Attached
Perf_shots1		Attached

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
PerforationsRevised		[[dataGrid]]
Producing Formation	LKC	LKC K, LKC L & Pleasanton
Production Interval #1		4124
Production Interval #3		4195
Tubing Packer At	4150	

Summary of Attachments

Lease Name and Number: LEW-TA 1

API: 15-101-22528-00-00

Doc ID: 1418613

Correction Number: 2

Attachment Name

LEW-TA