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S, C SIDE ONE

19-16-13W

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5230
name PETROLEUM ENERGY, INC.
address Kress Energy Center
224 E. Douglas - Suite 350
City/State/Zip Wichita, Ks 67202

Operator Contact Person Erin Marshall
Phone (316) 265-2661

Contractor: license # 5420
name White & Ellis Drilling

Wellsite Geologist Michael J. Wreath
Phone (316) 285-6508

PURCHASER Inland Crude

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable
6-28-85 7-3-85 8-9-85
Spore Date Reached TD Completion Date
3427' PBT
Annulment of Surface Pipe Set and Cemented at 253' feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

API NO. 15 - 009-23,980
County Barton

19 16s 13w Sec NE Twp SE Rge SE
(Location)
990 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

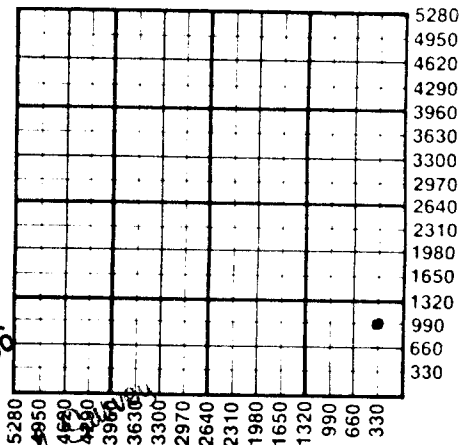
Lease Name LAUDICK 'A' Well# 1

Field Name Trapp

Producing Formation Arbuckle

Elevation: Ground 1947 KB 1952

Section Plat



FEB 03 1986
Y
State Geological Survey
Water Supply Branch

WATER SUPPLY INFORMATION

Source of Water: Hauled
Division of Water Resources Permit #
☐ Groundwater. Ft North From Southeast Corner of (Well) Ft. West From Southeast Corner
Sec Twp Rge ☐ East ☐ West
☐ Surface Water. Ft North From Southeast Corner of (Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge ☐ East ☐ West

TUBING RECORD

size 2-7/8" set at 3378 packer at Liner Run ☐ Yes ☐ No

Date of First Production Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
26	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: ☐ vented ☐ open hole ☒ perforation
☐ sold ☐ other (specify)

PRODUCTION INTERVAL

3381-3382

Operator Name **WEL** PETROLEUM ENERGY, INC. Lease Name **Laudick** 'A' Well# **1** SEC **19** TWP. **16S** RGE. **13W** ☐ East ☐ West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☒ Yes ☐ No
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☒ Yes ☐ No

Formation Description
☐ Log ☒ Sample

TOPEKA

There were no show of live oil/gas in the Topeka section from 2900 feet 3080 feet.

TORONTO

Limestone; white, blocky, moderately hard 3098-3111
 to hard; fine to very fine crystalline; poor
 intercrystalline porosity; TRACE dead oil
 stain; no fluorescence or odor, very weak
 white cut; no free oil.

DOUGLAS

There were no clean sandstones or carbonates developed in the Douglas section from 3111 feet to 3158 feet.

LANSING/KANSAS CITY

Limestone; dull white, very light brown, sub- 3184-3190
 blocky; firm, oolitic and slightly fossiliferous;
 fair intergranular porosity; rare light stain;
 light yellow fluorescence; no odor, slight
 white cut; no free oil.

Limestone; very light brown, white, sub- 3200-3204
 blocky firm, oolitic and slightly fossil-
 iferous; fair intergranular porosity rare
 light stain; light yellow fluorescence; no
 odor, slight white cut; no free oil.

Limestone; white, sub-blocky, firm; very 3222-3226
 fine crystalline, oolitic; fair inter-
 granular porosity; trace chalk, trace oil stain;
 light yellow fluorescence; no odor, white cut,
 rare scummy free oil.

Name	Top	Bottom
TOPEKA	2844	
HEEBNER	3080	
TORONTO	3098	
DOUGLAS	3111	
BROWN LIME	3157	
LANSING	3168	
ARBUCKLE	3377	
TOTAL DEPTH	3427	

CASING RECORD

☒ new☐ 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
SURFACE	12-1/2"	8-5/8"	20#	253'	50/50 poz	175	2% gel 3%cc
PRODUCTION	7-7/8"	5 1/2"	14#	3426'	60/40 poz	150	2% gel 18% sal

PERFORATION RECORD

shots per foot specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

2	3381-3382		

ACO-1 WELL HISTORY

PAGE ³ (Side One)
OPERATOR P.E.I.LEASE NAME #1 LAUDICK 'A'
WELL NO. _____(E)
SEC 19 TWP 16s RGE 13w (W)

FILL IN WELL INFORMATION AS REQUIRED.

Show all important zones of porosity and contents thereof;
cored intervals, and all drill-stem tests, including depth
interval tested, cushion used, time tool open, flowing &
Shut-in pressures, and recoveries.Show Geological markers,
logs run, or Other
Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Dolomite; light brown, sub-blocky to blocky; hard to firm fine to medium crystalline; fair to poor intercrystalline porosity; rare oil stain, yellow-white fluorescence moderate odor, white cut; rare free oil; most oil drops were black.	3400	3415		
Dolomite; light brown, light grey-brown; sub-blocky moderately hard to firm; fine to medium crystalline few pieces very sandy with good intergranular porosity; TRACE white chert and chalk; best show of live oil in sandy dolomite; yellow-white fluorescence; moderate odor, good white cut; fair show of free oil when crushed.	3415	3427		
DST #1 30-30-30-30 BLOW: IF; strong throughout FF; strong decreasing to fair REC: 2280' total fluid 855' oil cut muddy water: 20% oil; 10% mud; 70% water 1425' oily water: 20% oil; 80% water; Chlorides 54,000ppm PRESSURES: IBHP 995; FBHP 995: IFP 161-898; FFP 953-995 HH 1850-1839 TEMPERATURE: 115°	3355-3382			
Dolomite; light brown, blocky hard fine crystalline; slightly sandy; fair to poor intercrystalline porosity; rare oil stain, yellow-white fluorescence moderately strong odor, white cut; rare free oil.	3383	3400		

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ACO-1 WELL HISTORY

PAGE 2 (Side One)
 OPERATOR P.E.I. LEASE NAME #1 LAUDICK 'A'
 WELL NO. _____

(E)
 SEC 19 TWP 16s RGE 13w (W)

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 Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Limestone; white, very light grey sub-blocky, firm; very fine crystalline; well developed small ooliticasts; good porosity; common chalk, rare dark dry oil stain, white fluorescence; no odor, white cut; no free oil.	3247	3265		
Limestone; light grey, sub-blocky moderately hard; very fine crystalline, oolitic; moderately good intergranular porosity; TRACE dead oilstain, light yellow-white fluorescence; no odor, white cut; no free oil.	3300	3303		
Limestone; white, sub-blocky, moderately soft, fine crystalline; slightly chelky; good intercrystalline and pinpoint vuggy porosity; TRACE live oil stain, white fluorescence, white cut, light odor TRACE: free oil.	3340	3344		
Limestone; light grey, sub-blocky hard to firm, very fine crystalline well developed small ooliticasts; moderately good porosity; common oil saturation; good yellow-white fluorescence; moderate odor, good white cut, moderately good show of free oil good when crushed.	3371	3374		
<u>ARBUCKLE</u> Dolomite; light brown, brown, blocky hard, fine crystalline; slightly sandy in part; fair intercrystalline porosity and moderately good fracture porosity; some oil stain on fractures and fair show of intercrystalline stain; light yellow-white fluorescence, moderate odor, good white cut; TRACE free oil Fair show of free oil with acid.	3381	3382		

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 State Geological Survey
 WICHITA BRANCH