

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 415 First National Bank Building
City/State/Zip Wichita, Kansas 67202

Operator Contact Person Erin Marshall
Phone 265-2661

Contractor: license # 5929
name Duke Drilling, Inc.

Wellbore Geologist Mike Wreath
Phone 793-7943

PURCHASER Non-Indian Crude
KUKK

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

5-7-84 5-13-84 5-24-84
Spud Date Date Reached TD Completion Date
3321 3320
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 406 feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

TUBING RECORD size set at packer at

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

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

Disposition of gas: ☒ vented

METHOD OF COMPLETION

☐ open hole ☒ perforation

PRODUCTION INTERVAL

API NO. 15 - 053-20,869

County Ellsworth

100' s W/2 SW NE Sec. 27 Twp. 16s Rge. 10w
(location)

3200 Ft North from Southeast Corner of Sect
2310 Ft West from Southeast Corner of Sect
(Note: locate well in section plat below)

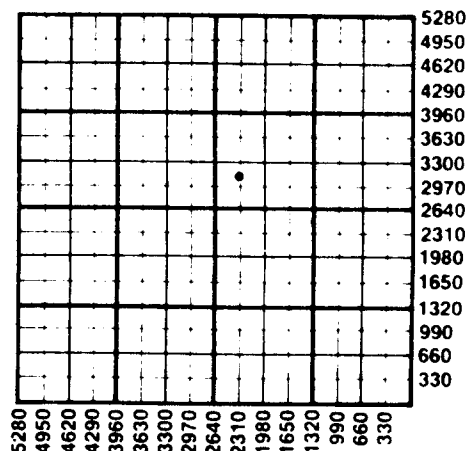
Lease Name Montgomery A Well# 3

Field Name

Producing Formation Arbuckle

Elevation: Ground 1826 KB 1831

Section Plat



* WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # N/A

☐ Groundwater Ft North From Southeast Corner of (Well) Ft West From Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water Ft North From Southeast Corner of (Stream, Pond etc.) Ft West From Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☒ Other (explain) Duke Drilling, Inc.
(purchased from city, R.W.D.#)

Disposition of Produced Water: ☐ Disposal ☐ Repressuring

Docket # Liner Run ☐ Yes ☐ No

SIDE TWO

Operator Name **Petroleum Energy, Inc.** Lease Name **Montgomery A** Well# **3** SEC **27** TWP **16S** RGE **10W** ☐ 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
Samples Sent to Geological Survey
Cores Taken

☐ Yes ☐ No
☐ Yes ☐ No
☐ Yes ☐ No

Formation Description
☒ Log ☐ Sample

Topeka - no shows of live oil/gas 2600 - 2846

Toronto - Limestone; white blocky hard, fine to very fine crystalline; trace chalk, poor porosity; no oil stain, fluorescence, odor or cut. 2865 - 2878

Douglas - Sandstone; grey, rounded, fine, very fine grained to silty; trace pyrite and mica; fair intergranular porosity; no oil stain, fluorescence, odor or cut. 2911 - 2914

Lansing/Kansas City - limestone; light brown, jagged blocky, moderately hard, very fine crystalline; colitic and poor to medium developed fine to medium oolcasts; good porosity, rare light oil stain, trace yellow fluorescence, no odor, slight white cut; no free oil. 3000 - 3008

Limestone; very light brown, subblocky, moderately hard, very fine crystalline, medium developed, fine to medium oolcasts; very good porosity; no oil stain, fluorescence, odor or cut. 3068 - 3084

Limestone; white, light brown, subblocky, firm, very fine crystalline, well developed medium oolcasts; very good porosity, very chalky in part; no oil stain, fluorescence, odor or cut. 3150 - 3168

Name	Top	Bottom
Anhydrite	585	
Topeka	2594	
Heebner	2846	
Toronto	1865	
Douglas	2878	
Brown Lime	2954	
Lansing	2974	
Base Kansas City	3244	
Conglomerate	3265	
Simpson Sand	3276	
Simpson Shale	3279	
Simpson Sand	3284	
Arbuckle	3286	

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 1/4"	8 5/8"	20 lbs.	406	50/50 poz.	225	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14 lbs.	3320	60/40 poz.	150	2% gel, 18% sa .75% CFR-2, 20 bbl flush

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
Two (2)	3284 to 3288 ft.		

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Petroleum Energy LEASE NAME Montgomery A
WELL NO. #3(E)
SEC 27 TWP 16s RGE 10w (X)

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
Simpson - sandstone; blue-green, grey, blocky, medium to fine grained poor porosity, common blue clay cement; no oil stain, fluorescence, odor or cut.	3276	3279		
Sandstone; light brown, white, firm to friable; fine grained, subrounded, well sorted; good porosity, clean, common light brown oil droplets, white fluorescence, moderate 'Arbuckle' odor, fair white cut; fair show small drops of oil when crushed.	3284	3286		
Arbuckle - Dolomite; brown, blocky, moderately hard; medium crystalline; fair porosity, trace good moderately common oil stain, moderate odor, good white fluorescence and cut; good show of free oil when crushed.	3286	3289		
Dolomite; light brown, white, blocky moderately hard; fine to very fine crystalline; fair porosity, trace white chert; no oil stain, pale yellow white fluorescence, light odor, very weak white cut, no free oil.	3289	3293		
DST #1 Time: 30-30-30-30; Blow: IF: Strong; FF: started strong, ended weak. Recovered: 1760' slightly oil cut muddy water: 12% oil, 5% gas, 78% water, 5% mud, 240' water, Chlorides - 18,000 ppm Pressures: IBHP: 898, FBHP: 938, IFP: 306-828; FFP: 908-938; HH: 1852-1752;	3265	3293		
Dolomite: white, light brown, subblocky, moderately hard, fine to very fine crystalline, commonly chalky, no oil stain or cut; light odor, no free oil.	3293	3304		
Dolomite: white, light brown, blocky, moderately hard to firm; fine crystalline, trace chalk; no oil stain or cut; light odor, no free oil.	3306	3321		