

DESCRIPTION OF WELL AND LEASE

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with

SIDE TWO

Operator Name Petroleum Energy, Inc. Lease Name Bradshaw Well# 1 SEC 24 TWP. 16S RGE. 14W ☐ 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

Toronto - Limestone, white fine xln., 3100 - 3114
 chalky, no show.

Lansing - Limestone, white, fine xln., 3162 - 3168
 oolitic and fossiliferous, compact, mostly
 chalky with no show.

Limestone - light tan, fine to med. xln., 3180 - 3184
 occastic, slightly cherty, fair porosity, no show.

Limestone - light tan, very fine xln., 3222 - 3227
 oolitic, fossiliferous, chalky to dense,
 slightly cherty, trace of stain & poor show
 of free oil, spotted poor pin-point porosity.

Limestone: light gray, very fine xln., 3246 - 3254
 oolitic, compact & dense, & Limestone,
 white, fine xln., slightly fossiliferous,
 scattered poor pin-point porosity, slight
 spotted stain, trace of free oil, mostly barren.

Limestone, dark gray, fine to med. xln., 3285 - 3295
 slightly fossiliferous, compact & dense,
 mottled, no show.

Limestone, tan, very fine xln., dense 3317 - 1123
 some white, fine xln., chalky, no show.

Arbuckle: Dolomite, light tan, fine to 3387 - 3390
 coarse xln., fossiliferous, compact &
 dense, scattered poor pin-point porosity,
 spotted stain, very slight show free oil,
 no odor.

Name	Top	Bottom
Topeka	2851	
Heebner Shale	3084	
Toronto	3100	
Douglas Shale	3114	
Brown Lime	3153	
Lansing	3162	
Base Kansas City	3361	
Conglomerate	3379	
Arbuckle	3387	

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.	293	50/50 poz	195	2% gel, 3% cc

PERFORATION RECORD

specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

shots per foot			

P1

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR Petroleum Energy LEASE NAME Bradshaw
WELL NO. 1

(E)
SEC 24 TWP 16s RGE 14w (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
Dolomite, light tan, fine to coarse xln. slightly fossiliferous & cherty, vuggy, fair inter-xln. porosity, fair spotted stain to saturated stain, slight to fair show free oil, black tarry dead oil, no odor.	3390	3395		
DST #1 45-45-20-20 Blow: very weak died 2nd opening Recovery: 30' mud Pressures: ISIP: 75, FSIP: 64, IFP: 53-53, FFP: 53-64	3379	3395		
Dolomite, light tan, fine to med. xln., slightly fossiliferous & cherty, poor inter-xln., porosity, dark spotted stain, slight show free oil, no odor.	3395	3400		
Dolomite, light gray, fine to med. xln. spotted sucrosic, cherty, scattered fair inter-xln. porosity, dark spotted stain, slight show free oil, mostly dense and barren with no show.	3400	3408		
DST #2 Misrun, plugged tool Dolomite as above.	3395	3408		
DST #3 30-30-30-30 Blow: weak blow Recovery: 30' mud Pressures: ISIP: 124, FSIP: 75, IFP: 53-53, FFP: 53-53	3408	3411		
Dolomite, off-white, med. to coarse, xln., mostly poor porosity, light spotted stain, scattered vugs very slight show free oil.	3379	3411		
DST #4 Time: 45-20-20-20 Blow: weak blow died in 34 min. Rec: 20' mud Pressures: ISIP: 140, FSIP: 86, IFP: 53-53, FFP: 53-53.	3411	3419		
Dolomite: off-white, med. xln., fair pinpoint porosity, dark spotted stain to saturated stain, gassy show free oil, slight odor.	3419	3424		
DST #5 Time: 20-20-20-20 Blow: Dead Rec: 75' mud Pressures: ISIP-344, FSIP 344, IFP: 86-86, FFP: 172-172	3379	3429		
Dolomite, white coarse xln., fair inter-xln. porosity, chert, white, fossiliferous & oolitic, no shows.	3429	3449		

AUG 30 1963

WELL LOG
WELL NO. 1
DATE 8-30-63