

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 Suite 415
1st National Bank Bldg
City/State/Zip Wichita, Kansas 67202

Operator Contact Person Erin Marshall
Phone 265-2661

Contractor: license # 5929
name Duke Drilling Company, Inc.

Wellsite Geologist Michael J. Wreath
Phone (316) 284-6508

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

8-17-84 8-23-84 9-26-84
Spud Date Date Reached TD Completion Date

3712: 3711'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 294 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

API NO. 15- 185-22,032-0000
County Stafford
100'E, 100'N of
c NE NE Sec 34 Twp 21s Rge 13 East
(location) West

4720 Ft North from Southeast Corner of Section
560 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

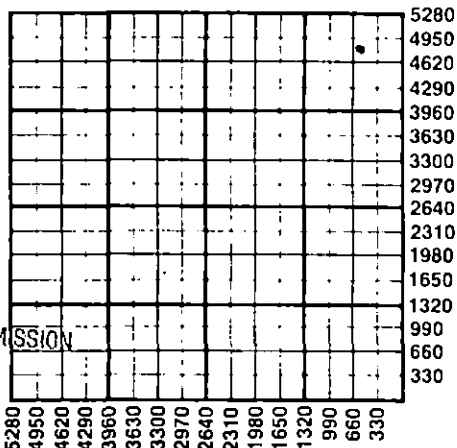
Lease Name HOOPER 'C' Well# #1

Field Name Gates

Producing Formation Arbuckle

Elevation: Ground 1880 G.L. KB 1885 K.B.

Section Plat



12-20-84
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WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

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

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

Other (explain) Hauled
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal
 Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

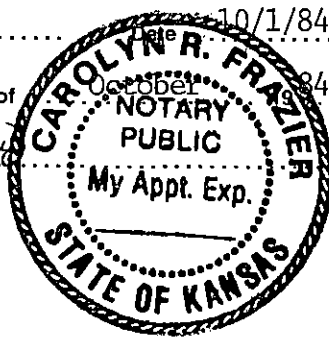
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

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 all temporarily abandoned wells.

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.

Signature Erin Marshall
Title Secretary

Subscribed and sworn to before me this 1st day of October 1984
Notary Public Carolyn R. Frazier
Date Commission Expires 7-30-85



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Sec 21, Twp. 21, Rge. 13

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 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 SECTION

There were no shows of live oil/gas in the Topeka section from 3150 feet to 3179 feet.

TORONTO SECTION 3200-3214

Limestone; white, bright white, sub-blocky, moderately hard; fine crystalline, trace sucrosic; poor to fair intercrystalline porosity; commonly chalky, no oil stain, fluorescence, odor or cut.

DOUGLAS SECTION

There were no clean sandstone or carbonates developed in the Douglas section from 3214 to 3302 feet.

LANSING/KANSAS CITY 3323-3332

Limestone; white, sub-blocky, moderately hard to firm fine to very fine crystalline; commonly oolitic and fossiliferous; trace chalk; fair intercrystalline and intergranular porosity; rare oil stain, pale yellow fluorescence, no odor, milky white cut, no free oil.

3350-3356
 Limestone; grey-white, sub-blocky, moderately hard; fine crystalline; slightly oolitic, fair intergranular porosity; rare dark oil stain, pale yellow fluorescence, no odor, slight white cut; no free oil.

Name	Top	Bottom
ANHYDRITE	714	
TOPEKA	2808	
HEEBNER	3176	
TORONTO	3195	
DOUGLAS	3210	
BROWN LIME	3302	
LANSING	3319	
BASE K.C.	3534	
VIOLA	3570	
SIMPSON SHALE	3616	
SIMPSON SAND	-----	
ARBUCKLE	3661	
T.D.	3712	

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
SURFACE PRODUCTION	12 1/2"	8-5/8"	20#	294'	50/50 poz	225	2% gel 3%cc
	7-7/8"	5 1/2"	14#	3711'	60/40 poz	150	2% gel 18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
1	3,667						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
9/26/84		<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	37 Bbls	MCF	Bbls	CFPB			

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify) _____
 Dually Completed.
 Commingled

PRODUCTION INTERVAL

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR PEI LEASE NAME Hooper 'C' #1
WELL NO. _____SEC 34 TWP 21s RGE 13(E)
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
Limestone; grey-brown, sub-blocky firm, fine to medium crystalline; moderately good vuggy porosity; moderately common oil stain, yellow fluorescence, light odor, white cut, fair show of free oil.	3358	3362		
<u>DRILL STEM TEST #1</u>	3329	3370		
TESTING: 30-45-30-45 BLOW: IF Fair 6" blow decreasing to 2½" FF Strong of bottom of bucket RECOVERY: 270' gassy water mud; 15% gas, 40% water; 45% mud; show of oil less than 2%. Chlorides: 54,000 ppm PRESSURES: IBHP 403#; FBHP 354# IFP: pressures not valid; tool plugging FFP: pressure not valid; tool plugging TEMPERATURE: 108°F				
Limestone; white, light brown, moderately hard; fine crystalline; oolitic and fossiliferous; trace grey chert; poor intergranular porosity; rare oil stain, pale yellow fluorescence, no odor slight white cut, no free oil.	3382	3386		
Limestone; white, light grey, brown, sub-blocky, firm, oolitic and fossiliferous; trace grey chert; fair to moderately good vugular porosity; trace oil stain, yellow fluorescence, no odor, white cut, trace oil film.	3393	-396		
Limestone; white, light brown, sub blocky, moderately hard; fine crystalline, oolitic and slightly oolitic; common oolitic brown and white chert; fair to moderately good intergranular porosity; trace oilstain, yellow fluorescence, no odor, white cut, trace oil film and drops.	3408	3418		
Limestone; white, very light brown blocky to sub-blocky; moderately hard; fine crystalline; trace oolitic, trace grey chert; fair intergranular porosity; trace oil stain, yellow fluorescence, no odor, slight white cut, no free oil.	3426	3434		
Limestone; light brown, sub-blocky firm, fine crystalline, oolitic and slightly oolitic; fair porosity; trace oil stain, yellow fluorescence, light odor, white cut, trace small drops free oil.	3450	3454		

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OPERATOR PEI LEASE NAME Hooper 'C' #1
WELL NO. _____

SEC 34 TWP 21s RGE 13 (E) (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.

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Limestone; white, sub-blocky, firm very fine crystalline, oolitic and fossiliferous; moderately good intergranular porosity; common oilstain, yellow fluorescence, light odor, good white cut, trace free oil.	3464	3472		
Limestone; white, sub-blocky, firm very fine crystalline; slightly oolitic and oolitic, chalky in part, common whitechert; moderately good intergranular porosity; trace oil stain, light yellow fluorescence no odor, white cut, trace free oil.	3480	3492		
Limestone; white, blocky, moderately hard, very fine crystalline; oolitic fair intergranular porosity; trace oil stain, spotty yellow fluorescence no odor white cut, trace free oil.	3506	3508		
Limestone; white, sub-blocky; firm fine crystalline; fair to moderately good intercrystalline porosity; trace oil stain, yellow fluorescence, no odor, white cut, rare free oil.	3529	3532		
<u>CONGLOMERATE</u>	3567	3570		
Sandstone; dark brown, sub-blocky, moderately hard; very fine to fine grained, well sorted, angular; fair intergranular porosity; trace dark oil stain, few pieces with pale yellow fluorescence, no odor streaming white cut, no free oil.				
<u>VIOLA</u>				
Chert; white, bone white, translucent brown, pink brown, light orange, 95% fresh, blocky hard, tight, no oil stain; fluorescence, odor or cut.	3573	3581		
Chert; as above with increasing brown dolomite chert; fair trip-olitic porosity; trace oil stain, pale yellow fluorescence, faint ² odor, very slight white cut, rare free oil.	3581	3615		
<u>SIMPSON</u>				
Sandstone; sight grey, brown, sub-blocky, hard, very fine to medium grained, sub-rounded, poorly sorted fair porosity where cleanest; trace dark oilstain, no fluorescence no odor, slight white cut; no free oil.	3636	3640		
<u>ARBUCKLE</u>				
Dolomite; light brown, sub-blocky firm to miderately friable; fine crystalline, rarely oolitic and vuggy, moderately common pyrite;	3666	3668		

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OPERATOR PEI LEASE NAME HOOPER 'C'
 WELL NO. #1

SEC 34 TWP 21s RGE 13 (E)

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
<p>moderately good intercrystalline porosity; trace oil stain, bright yellow fluorescence, moderate odor, streaming white cut, good show of free oil.</p> <p><u>DRILL STEM TEST #2</u></p> <p>TESTING: 30-30-30-30 BLOW: IF Very weak increasing to one inch FF Very weak increasing to 2 1/4" RECOVERY: 20" gassy slight oil cut watery mud; 20% gas, 8% oil, 24% water, 48% mud; 120' gassy oil cut mud; 30% gas, 18% oil 2% water, 50% mud PRESSURES: IBHP 118; FBHP 1152# IFP 37-75; FFP 75-112# HH 1899-1875# TEMPERATURE: 111°F</p> <p>Dolomite; light brown, subblocky, firm, fine crystalline; trace pyrite; moderately good intercrystalline porosity; trace oil stain, bright yellow fluorescence, moderate odor, white cut, fair show of free oil.</p> <p><u>DRILL STEM TEST #3</u></p> <p>TESTING: 30-30-30-30 BLOW: IF Strong FF Strong RECOVERY: 490' slight oil cut gassy water; 12% gas, 3% oil, 79% water, 7% mud 1302 gassy water; 11% gas; 84% water, 5% mud, 1798' total recovery, Chlorides 33,000ppm PRESSURES: IBHP 1224#; FBHP 1224# IFP 100-524#; FFP 584-765# HH 1971-1971# TEMPERATURE: 115°</p> <p>Dolomite; light brown, white, subblocky to blocky; medium to fine crystalline; moderately hard, good to fair intercrystalline porosity; trace oil stain, yellow fluorescence, moderate odor, white cut, trace free oil drops and oil film.</p> <p>Dolomite; white, light brown, blocky to subblocky, medium to fine crystalline; moderately good to fair intercrystalline porosity; rare oil stain, yellow fluorescence, moderate odor, weak white cut, rare free oil drops and common oil film.</p>	<p>3617</p> <p>3668</p> <p>3668</p> <p>3681</p> <p>3686</p>	<p>3668</p> <p>3675</p> <p>3686</p> <p>3715</p>		

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