

**WELL COMPLETION REPORT AND
DRILLER'S LOG**

KANSAS
State Geological Survey
WICHITA BRANCH

S. 14 T. 16 R. 21 E
Loc. 1400' FEL & 390' FNL SE
County Miami NE NW NE

API No. 15 — 121 — 20,998
County Number

Operator
P & W Oil

Address
5987 Miller Street Arvada, Colo 80004

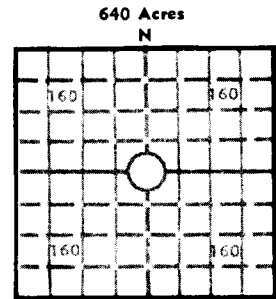
Well No. #PW5 Lease Name S Cone

Footage Location 390 4871 FSL; 1346 FGL-KCC 1400
feet from (N) line feet from (E) line

Principal Contractor Wellsville Development Geologist none

Spud Date 8/11/79 Date Completed 8/14/79 Total Depth 680' P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser Town Oil - LaJet, Inc



Elev.: Gr. _____
DF _____ KB _____

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
surface	8-1/8	6-1/4	17#	25	Neet	1	
production	5-1/4	2-3/8	3.75	655	Portland A	80	2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at
2-3/8	655	655

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
10 sx 12-30 sand	655-663
40 sx 10-20 sand	
75# water gel	

INITIAL PRODUCTION

Date of first production 9/8/79 Producing method (flowing, pumping, gas lift, etc.) pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	1 bbls.	0 MCF	0 bbls.	CFPB

Disposition of gas (vented, used on lease or sold) na Producing interval(s) 655-663

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No.	Lease Name	
S	T	R
		E
		W

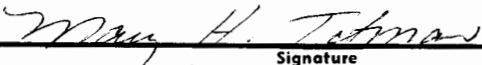
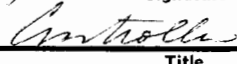
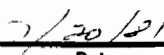
WELL LOG

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 and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p><i>See attached log</i></p>				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	 Signature
	 Title
	 Date

Farm - S. Cone

14-16-21E
Contractor - Wellsville Development, Ir

County - Miami

Drilling Started -

Well - PW 5

Drilling Completed -

Lease Owner - P&W

Permanent Casing

<u>Size</u>	<u>Amount</u>	<u>Condition</u>	<u>Cement</u>
<u>Strata</u>	<u>Total Depth</u>		
Soil & Clay	10		
Lime	14		
Slate	22		
Lime	33		
Shale	41		
Lime	53		
Shale	64		
Lime	72		
Shale & Shells	175		
Lime	180		
Shale & Shells	186		
Lime	191		
Shale	194		
Lime	225		
Shale	260		
Lime	266		
Shale	281		
Lime	289		
Shale	301		
Lime	312		
Shale	322		
Lime	333		
Shale	345		
Lime	354		
Shale & Shells	366		
Lime Shells	370		
Shale	508		
Lime	519		
Shale & Shells	528		
Lime	536		
Shale	547		
Lime	560		
Shale	575		
Lime	593		
Shale	600		
Lime	610		
Shale	624		
Lime	633		
Shale	643		
Lime	648		
Shale	651		
Lime & Shells	655		
Oil sand	663		
Shale	680	TD	