

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 # 8000  
Name PanCanadian Petroleum Co.  
Address 600 17th St., Suite 1800  
City/State/Zip Denver CO 80201

Purchaser.....

Operator Contact Person J. D. Keisling  
Phone (303) 825-8371

Contractor: License # 9087  
Name R & C Drilling Co., Inc.

Wellsite Geologist Dan Watterson  
Phone (303) 825-8371

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

5-14-87 5-25-87 5-25-87  
Spud Date Date Reached TD Completion Date  
3986  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 304 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  
Cement Company Name .....  
Invoice # .....

API NO. 15-065-22,376  
County Graham  
NE SW 19 6S 22 East  
..... Sec..... Twp..... Rge.....  West  
1980  
..... Ft North from Southeast Corner of Section  
3300  
..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

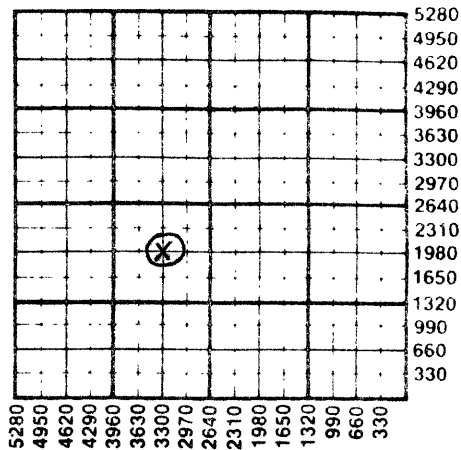
Lease Name Rogers 23-19 Well # 2

Field Name Pen

Producing Formation.....

Elevation: Ground 2418 KB 2423

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # .....  Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Pond  
Division of Water Resources Permit #.....

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

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West

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

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 James D. Keisling

Title Coord., Eng. Operations U.S. Date 7/9/87

Subscribed and sworn to before me this 9th day of July 1987

Notary Public Katherine P. Ramsey

Date Commission Expires March 18, 1991

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)  
KANSAS CORPORATION COMMISSION  
JUL 16 1987

7-16-87

Sec. 19 Twp. 6. Rge. 22 W

**SIDE TWO**

Operator Name PanCanadian Petroleum Co. Lease Name Rogers 23-19 Well # 2

Sec. 19 Twp. 6S Rge. 22  East  West County Graham

**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

CORE 1: 3803-3833' (30') Sand - Shale  
 CORE 2: 3833-3863' (30') Sand - Shale  
 DST #1: 3662-3683' (21') 15/45/30/60 IFP 10-10 weak blow, FFP 20-10 no blow, SIP 1133-1112, HP 1860-1799, BHT 119 deg F Rec'd 10' drlg mud w/oil specks (60% mud, 39% water, 1% oil)  
 DST #2: 3710-3752' (42') 10/45/30/60 IFP 51-62 strong blow, FFP 93-165 strong blow, SIP 1133-1102, HP 2045-1952, BHT 114 deg F, Rec'd 558' total fluid, 124' drlg mud, 124' MW (80% wtr, 20% mud), 310' MW (95% wtr, 5% mud)  
 DST #3: 3798-3833' (35') 15/45/60/90 IFP 51-62 weak bldg to strong blow, FFP 93-145 (weak bldg to strong blow), SIP 1051-969, HP 1952-1901, BHT 116 deg F, Rec'd 310' total fluid, 62' drlg mud, 248' MW (90% wtr, 10% mud)  
 DST #4: 3833-3863' (30') 15/45/60/90 IFP 10-10 weak blow, FFP 31-72 weak blow, SIP 1235-1194, HP 1911-1829, BHT 117 deg F, Rec'd 195' total fluid (62' drlg mud, 133' wtr)  
 DST #5: 3950-3900' (50') Misrun - Packer failure  
 DST #6: 3876-3950' (26') 10/45/60/90 IFP 414-425 strong blow, FFP 363-877 strong blow, SIP 1112-1081, HP 2066-1963, BHT 116 deg F; Rec'd 1922' total fluid - 500' MW (85% wtr, 15% mud), 460' MW (95% wtr, 5% mud), 962' SW

Name	Top	Bottom
Topeka	3431	(-1008)
Heebner	3627	(-1204)
Toronto	3653	(-1230)
Lansing-Kansas City	3668	(-1245)
Marmaton	3903	(-1480)
Conglomerate	3927	(-1504)

<b>CASING RECORD</b> <input checked="" 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	12 1/4	8 5/8	24	304	60/40 poz.	200	3%cc 2% gel
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
<b>TUBING RECORD</b>				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input 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		
	Bbls	MCF	Bbls	CFPB			

**METHOD OF COMPLETION**

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled