

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-065-22335-00-00
County...Graham
C... NE... SE Sec. 19 Twp. 6 Rge. 22 East
X West

Operator: License # 8000
Name PANCANADIAN PETROLEUM COMPANY
Address P.O. Box 929
City/State/Zip Denver, CO 80201

1980 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser...Diamond Shamrock (pending)

Lease Name...ROGERS 43-19 Well #...1
Field Name...Pen

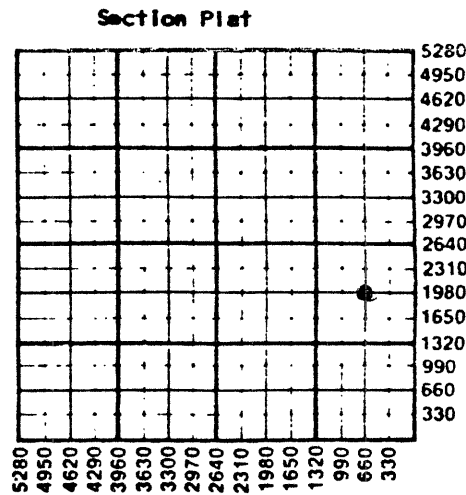
Operator Contact Person J.D. Keisling
Phone (303) 825-8371

Producing Formation...Lansing/Kansas City
Elevation: Ground...2394' KB...2399'

Contractor: License # 6033
Name Muffin Drilling Company

Wellsite Geologist J.E. Holdeman
Phone (303) 825-8371

Designate Type of Completion
X New Well Re-Entry Workover
Oil SWD X Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)



If OWNED: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # N/A Repressuring

WELL HISTORY
Drilling Method:
X Mud Rotary Air Rotary Cable
11/30/86 12/7/86 12/12/86
Spud Date Date Reached TD Completion Date
3940' 3896'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 302 feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set 2063' feet
If alternate 2 completion, cement circulated from 2063 feet depth to surf w/ 250 SX cmt
Cement Company Name Halliburton
Invoice #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T86-5824

X Groundwater 4260 Ft North from Southeast Corner
(Well) 4260 Ft West from Southeast Corner of
Sec 20 Twp 6S Rge 22 East X 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 Maurice C. Mittra
Title...Coord. Res. Engineering U.S. Date 12/18/86

Subscribed and sworn to before me this 18th day of December 1986
Notary Public...
My Commission expires June 19, 1990
Date Commission Expires

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)

Recd 12-19-86

Sec 19, Twp 6S, Rge 22E

Operator Name PANCANADIAN PETROLEUM COMPANY Lease Name..... ROGERS 43-19 Well #..... 1

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

DST #1: 3810-3774' Lansing/KC "I" and "J"
 15/45/30/30 Rec: 5 ft drlg mud w/oil specks
 IHP: 1930, IFP: 33-35, ISIP: 674, FFP: 33-33,
 FSIP: 175, FHP: 1922

DST #2: 3810-3838' Lansing/KC "K" and "L"
 15/45/30/30, Rec: 3 ft drlg mud, IHP: 1963,
 IFP: 25-25, ISIP: 582, FFP: 25-25, FSIP: 158,
 FHP: 1941

Name	Top	Bottom
Stone Corral Anhydrite	2045	(+353)
Topeka	3408	(-1010)
Heebner	3607	(-1209)
Toronto	3634	(-1236)
Lansing/KC	3649	(-1251)
Conglomerate	3906	(-1508)

RELEASED
 2-11-89
 FEB 11 1989

FROM CONFIDENTIAL

CASING RECORD <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	302'	Cl A	205 sx	60/40 Poz w/2% gel
Production	1st 7-7/8"	4 1/2"	10.5		Cl A	265 sx	3% CaCl
	2nd 7-7/8"	4 1/2"	10.5	3939'	Lite	250 sx	Cl A w/3% CaCl w/10% gel + # sx flo-cel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	3798-3804'			Acid frac		3798-3804'	
				2300 gal - 20% HCl			
				2000 gal of gelled water			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at		No tubing run none	
Date of First Production	Producing Method						
12/15/86	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (explain) swabbing..						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	0 Bbls	TSTM MCF	Swab rate	Bbls	TSTM CFPB	38°	

METHOD OF COMPLETION

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

Production Interval
 3798-3804'
