

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 Company
Address P.O. Box 929
City/State/Zip Denver, CO 80201

Purchaser Koch Oil Company

Operator Contact Person Dave C. Williams
Phone (303) 825-8371

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist D. 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 **OWNO**: old well info as follows:

Operator
Well Name
Comp: Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

6-14-86 Spud Date 6-19-86 Date Reached TD 7-3-86 Completion Date
3877 ft. Total Depth 3830 ft. PBTD

Amount of Surface Pipe Set and Cemented at 295 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2018 feet
If alternate 2 completion, cement circulated Yes
from 2018 feet depth to surface/.375 SX cmt
Cement Company Name: B.J. Hughes

API NO. 15-065-22-313-22317-00-00

County Graham

C NE SW Sec. 17 Twp. 6S Rge. 22 East West

1980 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

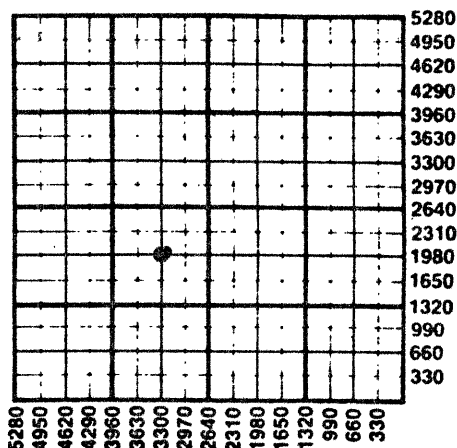
Lease Name Bethell 23-17 Well # 3

Field Name Pen

Producing Formation Lansing Kansas City

Elevation: Ground 2339 ft KB 2344 ft

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal N/A
Docket #

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

Groundwater 4260 Ft North from Southeast Corner
(Well) 4260 Ft West from Southeast Corner of
Sec 20 Twp 6S Rge 22 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 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. Rule 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 James D. Keisling
Title Coordinator, Engineering Operations Date 7/23/85

Subscribed and sworn to before me this 23rd day of July 1986
Notary Public Sharon Peters
Date Commission Expires My Commission expires June 19, 1990

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plugged Other
STATE CORPORATION COMMISSION
RECEIVED
JUL 31 1986

Sec 17 Twp 6S Rge 22

SIDE TWO

Operator Name PanCanadian Petroleum Company Lease Name Bethell 23-17 Well # 3

Sec. 17 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: 3724-54' 10-45-60-90
 Rec: 10' free oil, 20' OCM (30% oil, 70% mud) and 60' OCM (10% oil, 90% mud).
 HP: 1937/1843 IFP: 105/105
 SIP: 592/360 FFP: 105/105
 BHT = 115°

Name	Top	Bottom
Stone Corral Anhydrite	1996(+348)	
Topeka	3387(-1043)	
Heebner	3550(-1206)	
Toronto	3582(-1238)	
Lansing Kansas City	3594(-1250)	
Conglomerate	3847(-1503)	

Core #1: 3702-3722': Rec'd 10' Red & green sh, 12' dense limestone

Core #2: 3724-54': Rec'd 14' shaly limestone w/6' porosity. Rec'd red & green shale.

Core #3: 3754-62': Rec'd 8' shale - barrel jammed.

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 1/2"	8-5/8"	24#	295'	Common	195	2% gel, 3% CaCl
Production (1st)	7-7/8"	4 1/2"	10.5#	3874'	Class "A"	245	2% CaCl
Production (2nd)	7-7/8"	4 1/2"	10.5#	(DV) 2018'	50-50 POZ	375	50-50 POZ w/10% gel
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	3776-3782 ft.			1082 gal 15% HCL acid			
2	3734-3740 ft.			2918 gal 15% HCL acid			
2	3746-3756 ft.						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2-3/8"		Set At 3821'		Packer at none			
Date of First Production		Producing Method					
July 17, 1986		<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	
29 Bbls		TSTM	MCF	4 Bbls	TSTM	CFPB	38°

RELEASED

SEP 16 1987

FROM CONFIDENTIAL

METHOD OF COMPLETION

Production Interval

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

3776-3782 ft.
 3734-3740 ft.
 3746-3756 ft.