

This ACO-1 is filed for NGPA purposes.

5 SIDE ONE

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 # 5447  
Name Cities Service Oil & Gas Corporation  
Address 3545 N.W. 58th Street  
City/State/Zip Oklahoma City, OK 73112

Purchaser Northern Natural Gas Company  
2223 Dodge Street, Omaha, NE

Operator Contact Person Richard Adams  
Phone (405) 949-4326

Contractor: License #  
Name Barbour Drilling Company

Wellsite Geologist N.A.  
Phone

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

6/23/56 7/20/56 8/15/56  
Spud Date Date Reached TD Completion Date  
4589' 4048'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 603 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- N.A.  
County Edwards  
SW SE NW Sec 4 Twp 25 Rge 16 East West

2970 Ft North from Southeast Corner of Section  
3630 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

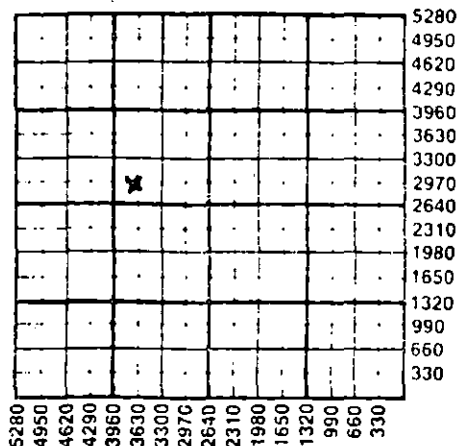
Lease Name Wilson B Well # 2

Field Name Belore Wil

Producing Formation Lansing-Kansas City

Elevation: Ground 2077' KB 2080'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # D-7302  Repressuring  
D.R. Lauck Oil Co., Inc. (Johnson SWD)

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
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 R. Vaughan  
Title Land Petroleum Engineer Date 7/17/87

Subscribed and sworn to before me this 17 day of July 1987  
Notary Public Jan Thompson  
Date Commission Expires 6-24-89

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)

Operator Name Cities Service Oil & Gas Corp. Lease Name Wilson B. Well # 2.

Sec. 4 Twp. 25 Rge. 16  East  West County Edwards

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

		Name	Top	Bottom
DST #1	3468-3485' (Topeka) Open 1 hr., recovered 1360 s.w. - 0 oil BHP 1230#, 30 minutes.	Topeka	3228	
		Heebner	3632	
		Douglas	3657	
		Lansing	3752	
		Mississippi	4206	-2135
DST #2	3773-3780' (Kansas City) Open 1 hr., recovered 30' mud. Gas to surface 27 minutes, not measureable. BHP 460#, 30 minutes.	Kinderhook	4220	-2168
		Viola	4314	-2243
		Simpson	4506	-2435
		Arbuckle	4579	-2499
		TD	4589	
DST #3	3796-3820' (Kansas City) Open 1 hr., Gas to surface 2 minutes. Volume 2190 MCF - stable 30 minutes, recovered 45' drilling mud.			
DST #4	3819-3855' (Kansas City) Open 1 hr., recovered 130' mud. BHP 360#.			
DST #5	3854-3886' (Kansas City) Open 1 hr., gas to surface 21 minutes. Recovered 130' gas muddy salt water, 120' clear salt water, trace residue oil.			

BHP 1040#, 30 minutes. CASING RECORD  New  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"	32#	603'	Common	350 sk	
Production	7-7/8"	5-1/2"	14#	4589'	Common	250 sk	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
11	4523-4533' Simpson		
70	4314-4331' Viola	2000# gel, 2000# acid	3900'-
145	3900-3934' Kansas City	Acidized w/ petrogel	3908'

TUBING RECORD Size 2" Set At 4040 Packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 8/16/56 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	6bbls	CFPB	
		3000			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 3900-3992'  
 Used on Lease  Dually Completed .....  
 Commingled