

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 Corp  
Address 3545 NW 58th Street  
Oklahoma City, Oklahoma  
City/State/Zip 73112

Purchaser Northern Natural Pipeline Company

Operator Contact Person Raymond Hui  
Phone (405) 949-4268

Contractor: License # 3098  
Name Exeter Drilling Company

Wellsite Geologist Andrew Howell  
Phone (405) 949-4400

Designate Type of Completion

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

If ONWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable  
4/14/87 4/18/87 10/27/87  
Spud Date Date Reached TD Completion Date  
2775' 2665'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 699' KB  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set  
If alternate 2 completion, cement circulated from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

API NO. 15-129-20856-00-00  
County Morton  
SW NE NE Sec. 10 Twp. 34S Rge. 40 East  
West

4030 Ft North from Southeast Corner of Section  
1250 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

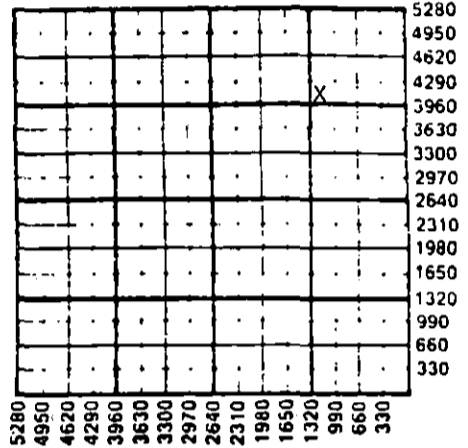
Lease Name Morgan B Well # 3

Field Name Kansas Hugoton Gas

Producing Formation Hugoton (Chase)

Elevation: Ground 3328' KB 3339'

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:  
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 landowner... (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 Del G. Oliver  
Title Special Projects Manager Date 10/30/87

Subscribed and sworn to before me this 6th day of November 1987.  
Notary Public Debra J. Howell

Date Commission Expires 4-24-89

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)

RECEIVED  
STATE CORPORATION COMMISSION

NOV 9 1987  
11-9-1987  
CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Cities Service Oil & Gas Corp Lease Name Morgan B Well # 3

Sec. 10 Twp. 34 Rge. 40  East  West County Morton

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
Red Bed	0	1309
Lm & Shale	1309	2775
TD		2775
PBTD		2695

Ran Dual Induction Shallow Guard Log from 2766-697'.  
 Ran Structural Density, Dual Spaced Neutron log from 2766-697'.  
 Ran Borehole profile log 2766-697'.  
 Ran Microlog w/GR 2766-1800'.  
 Set RBP at 2642'.

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#	699	65/35Poz	325	6% gel; 2% Ca
Production	7 7/8"	5 1/2"	15.5#	2763	65/35Poz	320	6% gel; 1/4#/sx LCM
					50/50Poz	150	2% gel; 12% salt

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		Depth
4	Towanda 2644'-2656'		Acidized w/ 2000 gals 7 1/2% HCL		2644-2656
1	Chase 2616-36; 2594-2600; 2534-84; 2504-22; 2476-92		Frac. Chase w/118000 gals 20 qual. 30# N2		2616-2476

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Production	Producing Method				
10/22/87	<input checked="" 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
	0 Bbls	405 MCF	0 Bbls	CFPB	

METHOD OF COMPLETION

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

Production Interval  
 Towanda: 2644-2656;  
 Chase: 2616-36;  
 2594-2600;  
 2534-84;  
 2504-22;  
 2476-92.