

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 and Gas Corp.  
Address 3545 NW 58th Street  
Oklahoma City, OK 73112  
City/State/Zip

Purchaser: K-N Energy, Inc.  
P O Box 75265, Lakewood CO 80215

Operator Contact Person Richard E. Adams  
Phone (405) 949-4256

Contractor: License # N.A.  
Name Wakefield Drilling Company

Wellsite Geologist: N.A.  
Phone

Designate Type of Completion  
X New Well Re-Entry Workover  
Oil SWD Temp Abd  
X 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:  
X Mud Rotary Air Rotary Cable

11/11/76... 11/16/76... 2/4/77...  
Spud Date Date Reached TD Completion Date  
2890' 2857'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 421 feet  
Multiple Stage Cementing Collar Used? Yes X 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. 15-075-20167-0000  
County Hamilton  
SW Sec. 31 Twp. 21 Rge. 40 East West

2340 Ft North from Southeast Corner of Section  
2740 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

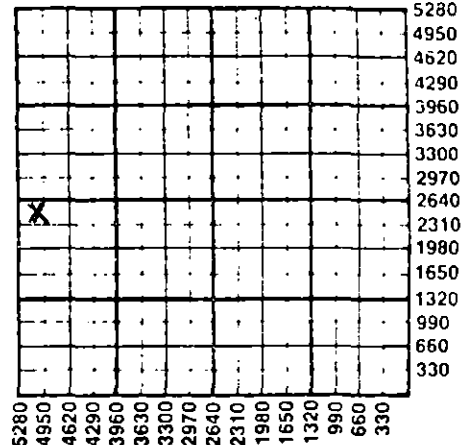
Lease Name Banbury "A" Well # 1

Field Name Bradshaw

Producing Formation Chase Group

Elevation: Ground 3596' 3604' KB

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 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 Delbert G. Oliver  
Title Region Engineering Manager Date 8/11/86

Subscribed and sworn to before me this 15 day of August 1986  
Notary Public Jan Thompson  
Date Commission Expires 6-24-89

AUG 18 1986  
CONSERVATION DIVISION  
Wichita, Kansas

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)

Sec 31 Twp 21 Rge 40 W

Operator Name Cities Service Oil and Gas Corp. Lease Name Banbury "A" Well # 1

Sec. 31 Twp. 21 Rge. 40  East  West County Hamilton

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

Ran Schlumberger Dual Laterolog RXO, Compensated Neutron Formation Density 2890' to 2300'. McCullough ran cement band and CC Log to 2857' PBDT. The top of the cement was at 1991 ft.

Name	Top	Bottom
Shale	0	1727
Sand, Shale & lime	1727	2300
Shale & lime	2300	2824
RTD		2890
PBDT		2857

CASING RECORD <input 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#	421'	Class. H.	175	2% CaCl
Production	7 7/8"	4 1/2"	105#	2889'	Class. H.	225	10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
2/ft & 4/ft	2758' - 2764'			Acidize w/1000 gal. Dowell		2758'	
				x acid w/2 gals. F-75		2764'	
				Fractured down 4 1/2" csg.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 3/8		Set At 2797'		Packer at ---			
Date of First Production		Producing Method					
2/14/77		<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	
➔		---- Bbls	CAOF 479 MCF	---- Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

Chase Group  
 2758-2764'