

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 NNG

Operator Contact Person Raymond Hui  
Phone (405) 949-4432

Contractor: License #  
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 OWN: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
4/2/87 4/6/87 8/28/87  
Spud Date Date Reached TD Completion Date

2800' 2555'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 699'  
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. 15-129-20855-00-00

County Morton

NW SE SE/4 6 34S 40 East  
Sec. Twp. Rge. East West

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

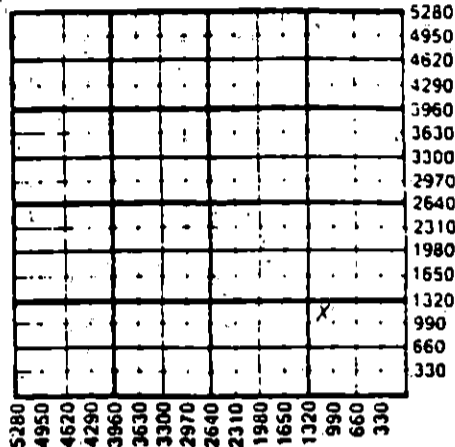
Lease Name Bohn B Well # 2

Field Name Kansas Hugoton Gas

Producing Formation Hugoton (Chase)

Elevation: Ground 3353' KB 3364

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: Not required.

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.O. #)

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 Project Manager Date 9/4/87

Subscribed and sworn to before me this 4th day of September 1987

Notary Public Denise 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  
RECEIVED  
STATE  
1988

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

Sec. ... 6 ... Twp. ... 34S ... 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

Ran DIL-SFL W/GR & SP from 2747-700'; BHC Sonic W/GR & Caliper from 2747-700', CNL-Litho. Logs from 2750-2000' & Microlog W/GR & Caliper from 2750-2000'. Ran CBL, CET & CCL W/GR from 2749' to surf. Ran Base NGT log & Base Temp. Log from 2749-2500'.

Name	Top	Bottom
Sand & Red Bed	0	810'
Red Bed & Shale	810	2174
Sand & Shale	2174	2800
TD		2800'
PBDT		2555'

Set RBP at 2560'; dumped 2 sx 20/40 sand on top.

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
Conductor Pipe	30"	20"		43'	Red-mix	5.5 yds	
Surface	12 1/2"	8 5/8"	24#	699'	CL C Poz	325	2% CaCl <sub>2</sub> & 1#/sx
Production	7"	5 1/2"	15.5#	2799'	CL c Poz	450	6% TD gel; 12% salt; 2% ge

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	2574-2584'	Acidized w/5000 gals 15% HCL	2574-2584'
4	2516-2520'; 2528-2532'; 2536-2543'	Acidized w/1374 gals 15% MSR	100 2516-25
1	2502-2505'; 2478-2482'; 2448-2457'	Frac w/77380 gal 70 quality	2505-2380'
	2380-2415'	N <sub>2</sub> foamed 2% KCL w/145000 lbs. 12/20 sand	

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production	Producing Method
8/28/87	<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	477 MCF PD	0 bbls	CFPB	

METHOD OF COMPLETION

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

Production Interval

2380-2543'