

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

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

If OWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

X 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' 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. 15-129-20855-00-00
County Morton
NW SE SE/4 Sec. 6 Twp. 34S Rge. 40 East X West

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

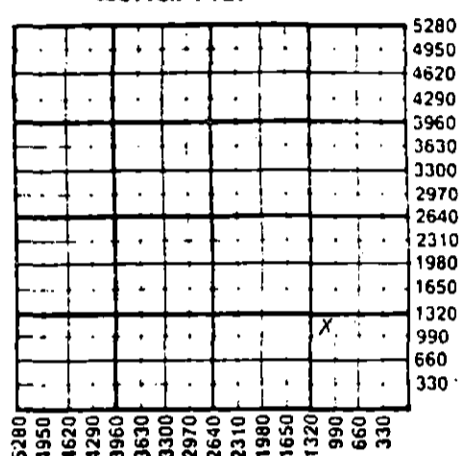
Lease Name Bohn B Well # 2

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.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 Project Manager Date 9/4/87

Subscribed and sworn to before me this 4th day of September 1987
Notary Public
Date Commission Expires

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)

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

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'
PBTD		2555'

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

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
Conductor Pipe	30"	20"		43'	Redl. mix	3.5 yds	
Surface	12 3/4"	8 5/8"	24#	699'	CL C Poz	325	2% CaCl ₂ & #/sx
Production	7"	5 1/2"	15.5#	2799'	CL c. Poz	450	6% IOT gel; #/ Cell 12% salt; 2% 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	
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 2516-2543	
1	2502-2505'; 2478-2482'; 2448-2457'			Frac w/77380 gal. 70 quality		2505-2380'	
	2380-2415'			N ₂ foamed 2% KCLW w/145000 lbs. 12/20 sand			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
8/28/87							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	0 bbls	477 MCFPD	0 bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

2380-2543'