

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
City/State/Zip Oklahoma City, OK 73112

Operator Contact Person Raymond Hui
Phone (405) 949-4400

Contractor license # 5662
name Wakefield Oil Co., Inc.
Purchaser: Citgo Petroleum Corp.
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 OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
8-21-84 8-30-84 10-3-84
Spud Date Date Reached TD Completion Date

4980' 4917'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1383' KB 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

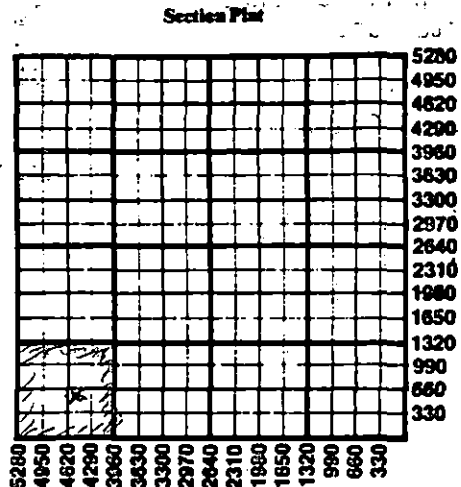
County Morton
SE SW SW Sec 23 Twp 34 Rge 42
554' FSL, 766' FWL
554 Ft North from Southeast Corner of Section
4514 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Bradshaw C Well# 2

Field Name Riley Up. Morrow

Producing Formation Morrow

Elevation: Ground 3495'
DF: 3500'



WATER SUPPLY INFORMATION

Source of Water: Hauled Water in.
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal
 Repressuring

Docket # C-14728

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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 Robert S. Oliver
Title Engineering Manager
Date 11-5-84
Subscribed and sworn to before me this 5th day of November 1984
Notary Public Joseph J. Parker
Date Commission Expires 12-12-88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name Cities Service Oil & Gas Corp Lease Name Bradshaw C Well# 2 SEC. 23 TWP. 34S RGE. 42 East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test 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

Logs: (Gearhart)

DIL-SFL w/GR & SP, CNL-FDC w/GR & Caliper.

Soils & Sands	0'	870'
Soils-Shells & Sands	870'	934'
Gloretta Sand	934'	1129'
Red Bed & Gyp	1129'	1150'
Red Bed-Gyp & Anhydrite	1150'	1384'
Red Bed & Shale	1384'	2084'
Shale	2084'	2270'
Shale & Lime	2270'	2480'
Lime & Shale	2480'	4980'
R.T.D.		4980'
P.B.T.D.		4917'

RELEASED

FEB 07 1986

FROM CONFIDENTIAL

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	12-1/4"	8 5/8"	24	1383' KB	65/35 Poz. Class H	600	2% CaCl 1/4# D-
Production	7-7/8"	5 1/2"	14	4975' KB	50/50 Poz.	200	3% CaCl 1/4# D- 1.8% salt .8% D-65 .2% D-46 1/4# D-29
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	4466-71' Morrow			Treated w/750 gal. diesel oil..... cut 5% w/Para-Spers & 2 gal Hy-Flc			4466-71'...
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
9-12-84		<input checked="" type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
STATE TEST 10/3/84		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
Estimated Production Per 24 Hours		116 Bbls	517 MCF	-0- Bbls	4456 CFPB		

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify) _____

PRODUCTION INTERVAL: 4466-4471' Morrow

Dually Completed. Commingled



CITY SERVICE

3-27-19-85

TO

Elizabeth Wannow

put in general file.

Per your request.

RECEIVED
STATE CORPORATION COMMISSION

MAR 28 1985

CONFIDENTIAL
Wichita, Kansas

Joey Carter