

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 N.W. 58TH
City/State/Zip OKLAHOMA CITY, OKLA. 73112

Purchaser:

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

Contractor: License # 5662
Name WAKEFIELD OIL & GAS CO., INC.

Wellsite Geologist A. 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

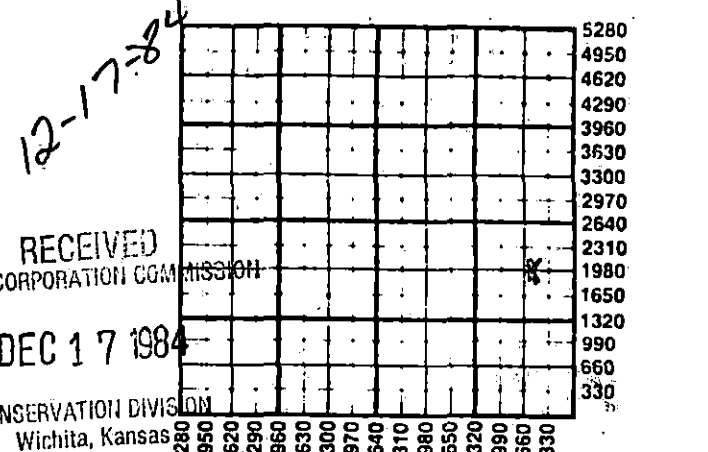
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
10-11-84 10-20-84 11-9-84
Spud Date Date Reached TD Completion Date
4920' 3762'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1367 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

API NO. 15-129-20-726-00-00
County MORTON
NE SE Sec. 22 Twp. 34S Rge. 42W East West
510' FEL, 1980' FSL
1980 Ft North from Southeast Corner of Section
510 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name CUSHMAN "A" Well # 1
Field Name Taloga - Riley

Producing Formation
Elevation: Ground 3490' KB
Section Plat DF: 3496



WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # T84-662
 Groundwater, 2030 Ft North from Southeast Corner
(Well) 410 Ft West from Southeast Corner of
Sec 22 Twp 34S Rge 42 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 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. Rule 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 D.G. Oliver
Title Engineering Manager Date 12-12-84
Subscribed and sworn to before me this 12th day of December 1984
Notary Public Joseph L. Senter
Date Commission Expires 6-12-88

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

Sec. 32 Twp. 34S Rge. 42W

SIDE TWO

Operator Name **CITIES SERVICE OIL & GAS CORP.** Lease Name **CUSHMAN "A"** Well # **1**

Sec. **22** Twp. **34S** Rge. **42W** 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

LOGS: CNL-FDC w/Caliper & GR,
 DIL-SFL w/GR, Microlog w/GR

Formation Description
 Log Sample
 Driller's Log

Name	Top	Bottom
SOILS & SANDS	20	460
Red Bed	460	870
Sand, Red Bed & Gyp	870	925
Gloretta Sand	925	1115
Red Bed & Gyp	1115	1368
Red Bed	1368	1800
Red Bed & Shale	1800	2150
Lime & Shale	50	4920
R.T.D.		4920
P.B.T.D.		3762'

RELEASED
MAY 29 1986
FROM CONFIDENTIAL

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 KB	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24	1367'	65/35 Poz Class H	500	2% CaCl ₂ # flocele
Production	7-7/8"	5-1/2"	14	3804	50/50 Poz	175	3% CaCl ₂ # flocele 18% salt # flocele - 8% CFR-II
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
				35 sx cement plug		4868-4770'	
4	3513-17' Marmaton Lime			50 sx cement plug		3945-3800'	
				500 gal. 15% NE Acid		3513-17'	
				1500 gal. 15% NE Acid		" "	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input 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	
	DRY - Temporarily Abandoned pending Geological Review						
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval

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