

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 Street
City/State/Zip Okla. City, Okla. 73112

Purchaser

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

Contractor: License # 5141
Name Zenith Drilling Co.

Wellsite Geologist Harvey Vick
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

12-12-84 12-21-84 2-15-85
Spud Date Date Reached TD Completion Date

4950' 4877'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1347 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. 15-129-20733-00-00

County Morton

SE SE SE Sec. 22 Twp. 34 Rge. 42 East West

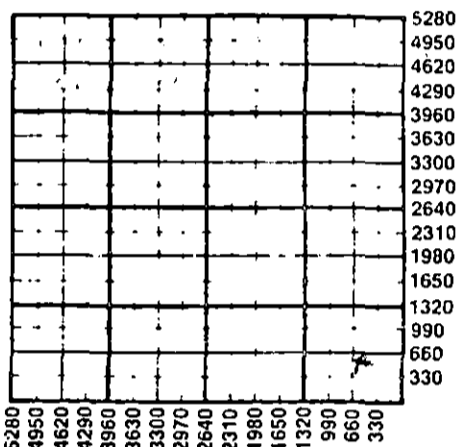
554 Ft North from Southeast Corner of Section
554 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Cushman A Well # 2

Field Name Taloga-Riley

Producing Formation

Elevation: Ground 3500' DF: 3509'
Section Plat



Recd 3-25-85

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 # T84-662

Groundwater 2030 Ft North from Southeast Corner
(Well) 410 Ft West from Southeast Corner of
Sec 22 Twp 34 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 3-21-85

Subscribed and sworn to before me this 21st day of March 1985
Notary Public Joyce S. Porter

Date Commission Expires June 12, 1988

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

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Cushman A Well # 2

Sec. 22 Twp. 34 Rge. 42 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

Gearhart ran logs: DIL -SFL
 w/GR & SP, CNL-FDC w/GR &
 caliper, microlog w/GR.

Name	Top	Bottom
Sand	0	224
Sand & Red Bed	224	645
Red Bed & Shale	645	1036
Sand	1036	1348
Red Bed	1348	1680
Sand & Shale	1680	2150
Shale	2150	2865
Lime & Shale	2865	4950

RECEIVED
 STATE CORPORATION COMMISSION
 MAR 25 1985
 CONSERVATION DIVISION
 Wichita, Kansas

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
Surface	12-1/4"	8-5/8"	24#	1347'	KB 65/35 Poz.	550	2% CaCl ₂ 1/2# floc.
Production	7-7/8"	5-1/2"	14#	4940KB	Class. H. 50/50 Poz.	150	3% CaCl ₂ 1/4# floc. 18% salt, 1/4# floc. .8% CFR-2.
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	4464-68' Morrow Sand			500 gals. diesel w/10% Musol-A			4464-68'
				750 gals. 7-1/2% HF acid			"
				Frac. treated w/15,000 gals.			"
				gelled 3% HCL & 11,750 # 20/40 sand.			"
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method						
1-29-85 swabbed oil	<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
	Bbls	MCF	Bbls	CFPB	Gravity		
	After swabbing a little new oil along with water, hole "dried up". <u>Temporarily Abandoned</u> pending further evaluation.						

METHOD OF COMPLETION

Production Interval

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