

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 # 7860
name Johnson Drilling Co.

Wellsite Geologist
Phone

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 Cities Service Oil & Gas Corporation
Well Name Santa Fe C #2
Comp. Date 2-8-82 Old Total Depth 4755'

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
12-5-81 12-15-81 2-8-82
Spud Date Date Reached TD Completion Date
4755' 4220' Re-comp. as SWD
Total Depth PBTD on: 10-24-84

Amount of Surface Pipe Set and Cemented at 1294' KB feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set 3585 KB feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15 - 129-20596-00-01
County Morton
C E/2 NW NW Sec 16 34S 42 East
(location) 660' FNL, 990' FWL
4620 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

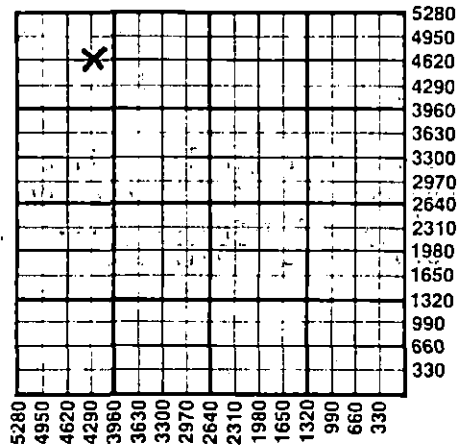
Lease Name Santa Fe C Well# 2 SWD

Field Name N. Taloga

Producing Formation None

Elevation: Ground 3467' KB

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
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 #

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 D. G. Oliver
D.G. Oliver
Title Engineering Manager Date
Subscribed and sworn to before me this 14th day of November 19 84
Notary Public James A. Hester STATE CORPORATION COMMISSION
Date Commission Expires 6-12-88

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)

11-16-84 NOV 16 1984

Sec. 16 Twp. 34S Rge. 42E

Operator Name Cities Service Oil & Gas Corp Lease Name Santa Fe C Well# 2 SWD SEC 16 TWP. 34 RGE. 42 East West

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

Name Top Bottom

Logging:

Dual Ind. SFL, C & N-FDC w/GR and Caliper, CB & CC Log.

See original ACO-1

Note: Well was originally drilled and completed as a Dry Hole on 2-08-82, and was temporarily abandoned until work began to re-complete as a salt water disposal well. Approved as SWD by Order, Docket No. D-23,349 dated 10-17-84.

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.....		30"		53'	Class H	250	3% CaCl
Surface.....	12 1/4"	8 5/8"	24	1294'	Poz. & Class H	700	CaCl & Flocele
Production.....	7 7/8"	DV. Tool at 5 1/2"		3585' KB	50/50 Poz.	150	
				4754'		250	See orig ACO-1
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	4283-86' 4252-58' CI BP set @ 4220'			3430' and 3390' (See original ACO-1)			Drilled
4	out CI BP's @ 3430' and 3390'			Acidized. See original ACO-1			
4	3458-63' & 3355-60'			Acidized w/2500 gals. 15% HCL			3355-3740'
	3728-40' & 3652-76'						
TUBING RECORD				Liner Run			
Duolined size 2-3/8" set at packer at 3331' KB				<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Injection		Injection (Disposal)		Flowing <input type="checkbox"/> pumping <input checked="" type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)			
10-24-84							
First Injection Per 24 Hours		Bbls		MCF		Water Gravity Feed	
300				300		Bbls	

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION: open hole perforation other (specify)

PRODUCTION INTERVAL: 3355-3740' (4 sets)

Marmaton

Dually Completed. Commingled