

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 # 5302
name Red Tiger Drilling Company

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
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
11-17-84 11-30-84 12-6-84
Spud Date Date Reached TD Completion Date
3968'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 204 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. 15 051-24,080-0000
County Ellis
NE NW NE Sec 24 Twp 11S Rge 17

4620 Ft North from Southeast Corner of Section
1600 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

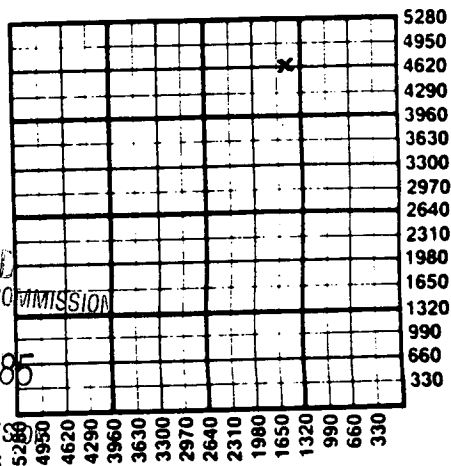
Lease Name Colahan A Well# 37 SWD

Field Name Bemis

Injection Formation Arbuckle (Open Hole)

Elevation: Ground 1885 KB

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
1-3-85
JAN 03 1985
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and Ft. West From Southeast Corner of (Well) Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner and Ft West From Southeast Corner (Stream, Pond etc.) 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
Title Engineering Manager Date 12-28-84

Subscribed and sworn to before me this 28th day of December 1984

Notary Public Date Commission Expires 6-12-88

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 Colahan A Well # 37SWD 24 SEC 11S TWP 17 RGE 17 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

	Top	Bottom
Arbuckle	3382	3960
Granite Wash	3960	3968
TD		3968

Name Top Bottom

Ran Gamma - Ray Neutron
 w/Collar Locator from
 3493' to 3000'

DV at 1194. Cemented DV
 w/500 gallons superflush,
 511 sxs Howco Lite, 2% CaCl,
 2% gel, 10# gilsonite, 1/4#/sx
 Flocile. Cement circulated.

CASING RECORD new 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	17-1/2"	13-3/8"	43#	204'	Class A	235	3% CaCl-2
Intermediate	12-1/4"	8-5/8"	32 & 24#	3500'	50/50 Poz.	125	2% CaCl
Injection	8-5/8"	5-1/2"	14#	3450'			

PERFORATION RECORD

shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
	Arbuckle (open hole completion)	Spotted acid at 3968' total 360 barrels (7-1/2% HCL)	

TUBING RECORD

size set at packer at 3464' Liner Run Yes No

Date of First Production 12-6-84 Producing method flowing pumping gas lift Other (explain) Injection

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Injection	----	----	10000 BPD at 25" vacuum		
	Bbls	MCF	Bbls	CFPB	

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION

open hole perforation other (specify)

Dually Completed. Commingled

PRODUCTION INTERVAL

Arbuckle 3960'