P1

9-10-23W

SIDE ONE

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 # 5122
name Woodman-Iaajitti Drilling Company

Wellsite Geologist
Phone

Designate Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

[ ] Oil [ ] SWD [ ] Temp Abd
[ ] Gas [XX] Inj [ ] Delayed Comp.
[ ] Dry [ ] Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

API NO. 15 - 065-22,072

County Graham

SW SW SE/4 Sec 9 Twp 10S Rge 23 [X] W
(location)

330 Ft North from Southeast Corner of Sect
2310 Ft West from Southeast Corner of Sect
(Note: locate well in section plat below)

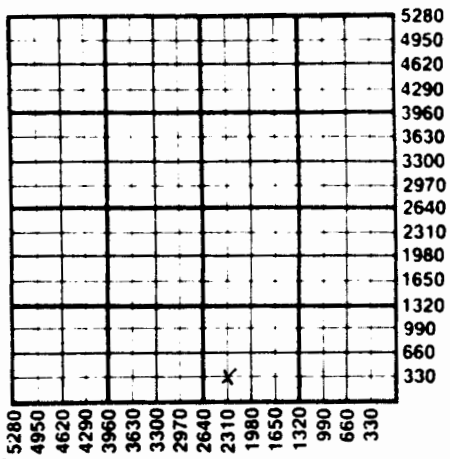
Lease Name Hoof LKC Well# 408I

Field Name N/A

Producing Formation Injection KC "F" 3763-70'
KC "G" 3775-81'

Elevation: Ground 2408' KB 2412'

Section Plat



WELL HISTORY

Drilling Method: [X] Mud Rotary [ ] Air Rotary [ ] Cable

24-84	9-29-84	11-11-84
Spud Date	Date Reached TD	Completion Date

3934'	----
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 245 feet

Multiple Stage Cementing Collar Used? [ ] Yes [X] No

If Yes, Show Depth Set feet

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

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

[ ] Groundwater Ft North From Southeast Corner
(Well) Ft. West From Southeast Corn
Sec Twp Rge [ ] East [ ] West

[ ] Surface Water Ft North From Sourtheast Corner
(Stream, Pond etc.) Ft West From Southeast C
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 Buildir 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- confidentiality in excess of 12 months.

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 w temporarily abandoned wells.

SIDE TWO

Operator Name Cities Service Oil & Gas Corp. Lease Name Hoof LKC Well# 408W SEC 9 TWP 10S RGE 23 ☐ E ☒ W

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem te giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached st level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Att 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

DV Tool at 1983'. Cemented DV Tool w/365 sxs Howco Lite _ 10% salt & 3/4% CFR-2

Ran Gamma Ray - Neutron & Collar Log.

Top of cement at 1975'

Formation Description ☒ Log ☐ Sample

Name	Top	Bottom
Anhydrite	1949	198
LKC	3691	373
TD		393
PBTD		39

		7 1/2% HCL	

TUBING RECORD size 2" DL Injection line set at 1904' packer at 3755' | Liner Run ☐ Yes ☒ No

Date of First Production	Producing method					
11-11-84	☐ flowing	☐ pumping	☐ gas lift	☒ Other (explain)	Injection	

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Injection Estimated Production Per 24 Hours	----- Bbls	------MCF	260 B/D at 14" vac. Bbls	CFPB	

Disposition of gas: ☐ vented ☒ sold ☐ used on lease

METHOD OF COMPLETION ☐ open hole ☒ perforation ☐ other (specify) ☐ Dually Completed. ☐ Commingled

Injection ~~PRODUCTION~~ INTERVAL: LKC "F" 3763-3770' LKC "G" 3775-3781'

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	12 1/4"	8 5/8"	24#	245'	Class A	175	3# CC
Production	7 7/8"	4 1/2"	9.5#	3933'	50/50 Poz.	150	10% salt & 3/4% CFR-2

PERFORATION RECORD

shots per foot	specify footage of each interval perforated	Acid, Fracture, Shot, Cement Squeeze Record (amount and kind of material used)	Depth
4	LKC "F" 3763-3770'	Washed LKC "G" (3775-81') w/300 gals	
4	LKC "G" 3775-3781'	7 1/2% HCL	
		Washed LKC "F" (3763-70') w/350 gals	