

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

3934' PBT
Total Depth

Amount of Surface Pipe Set and Cemented at 245 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- 065-22,072

County Graham

SW SW SE/4 Sec 9 Twp 10S Rge 23 East West

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

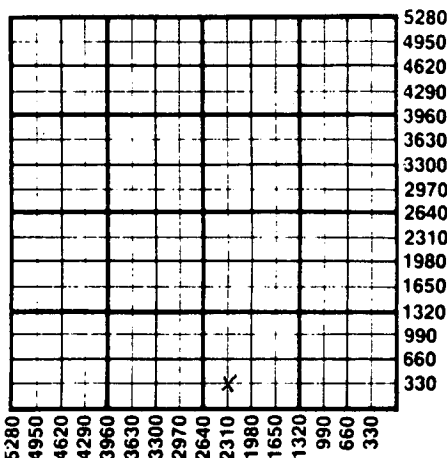
Lease Name Hoof LKC Well# 408W

Field Name N/A

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

Elevation: Ground 2408' KB 2412'

Section Plat



RECEIVED
STATE CORPORATION COMMISSION
12-3-1984
DEC 03 1984

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 Del Oliver
Title Engineering Manager Date 11-30-84

Subscribed and sworn to before me this 30th day of November 1984

Notary Public Joyce S. Porter 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)

Sec 9 Twp 10S Rge 23W

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

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

Anhydrite 1949 1989'

LKC 3691 3734'

Ran Gamma Ray - Neutron & Collar Log.

TD 3934'

PBTD 3919'

Top of cement at 1975'

| CASING RECORD <input 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 Production | 12 1/4" 7 7/8" | 8 5/8" 4 1/2" | 24# 9.5# | 245' 3933' | Class A 50/50 Poz. | 175 150 | 3# CC 10% salt & 3/4% 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 4 | LKC "F" 3763-3770' LKC "G" 3775-3781' | | | Washed LKC "G" (3775-81') w/300 gals 7 1/2% HCL | | | |
| | | | | Washed LKC "F" (3763-70') w/350 gals 7 1/2% HCL | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Date of First Production 11-11-84 | | size <u>2" DL</u> Injection set at 1904' | | packer at 3755' | | Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input checked="" type="checkbox"/> Other (explain) Injection | |
| Injection Estimated Production Per 24 Hours | | Oil ----- Bbls | Gas ----- MGF | Water 260 B/D at 14" vac. Bbls | Gas-Oil Ratio | Gravity | |

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION Injection **PERFORATION INTERVAL**
 open hole perforation LKC "F" 3763-3770'
 other (specify) LKC "G" 3775-3781'
 Dually Completed.
 Commingled