

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: None (Disposal well)

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

Contractor: License #  
Name Emphasis Oil Operations

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 OWNO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable

..10-15-85 ..11-30-85... ..11-5-85....  
Spud Date Date Reached TD Completion Date

.....4266'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 150 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. 15-163-22780-00-00  
County Rooks  
SE SW NE Sec. 21 Twp. 9S Rge. 18  East  West

2940 Ft North from Southeast Corner of Section  
1790 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

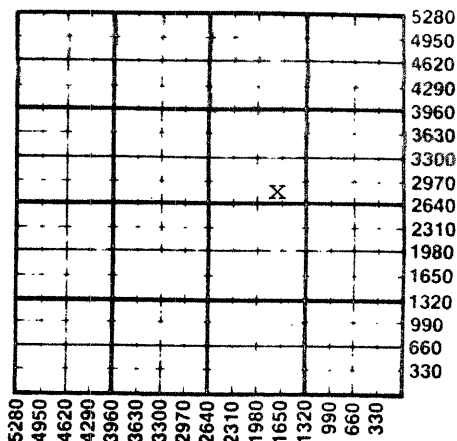
Lease Name Hilgers "A" Well # 8SWD

Field Name Paradise Creek

Disposal Formation Arbuckle

Elevation: Ground 2165' KB 2170'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge  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 Del G. Oliver  
Title Engineering Manager Date 11-6-85

Subscribed and sworn to before me this 6 day of November 1985  
Notary Public Jenesa Jo Howeth  
Date Commission Expires 4-24-89

K.C.C. OFFICE USE ONLY  
IF  Letter of Confidentiality Attached  
IC  Wireline Log Received  
IC  Drillers Time Log Received  
Distribution  
 KCR  SWD/Rep  NGPA  
 KGS  Plug  OTHER  
(Specify)

RECEIVED  
STATE CORPORATION COMMISSION

NOV 8 11/8/85  
CONSERVATION DIVISION  
Wichita, Kansas

net 21 imp 9 Rge 18 W

SIDE TWO

Operator Name **Cities Service Oil & Gas Corporation** Lease Name **Hilgers "A"** Well # **8SWD**

Sec. **21** Twp. **9S** Rge. **18**  East  West County **Rooks**

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

Ran Compensated Density Neutron Log. Ran Dual Guard Log. Ran GRN from Log TD 3998-3200'.

| Name     | Top  | Bottom |
|----------|------|--------|
| Arbuckle | 3569 | 4266   |
|          | T.D. | 4266   |

| 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                                                                             | 17-1/2"                                                                                                                                                          | 13-3/8"                   | 61# 48#        | 1501'                                                                            | Howco Lite Class A | 900               | 10#/sx Gil, 1/4#/sx Flo.                                     |
| Production                                                                          | 12-1/4"                                                                                                                                                          | 8-5/8"                    | 32# 24#        | 3726'                                                                            | 50/50 Poz. Class A | 300<br>150<br>200 | 3% CC & 1/4#/sx Flo<br>2% CaCl-2, 10#/sx. Gil. 2% gel, 3% cc |
| PERFORATION RECORD                                                                  |                                                                                                                                                                  |                           |                | Acid, Fracture, Shot, Cement Squeeze Record                                      |                    |                   |                                                              |
| Shots Per Foot Specify Footage or Interval Perforated                               |                                                                                                                                                                  |                           |                | (Amount and Kind of Material Used) Depth                                         |                    |                   |                                                              |
| OH                                                                                  |                                                                                                                                                                  |                           |                | Acidize OH Arbuckle w/15000 gal 7-1/2" HCL & 75 gal Pen-5 flushed w/1009 bbl SW. |                    |                   |                                                              |
| 4266-3726'                                                                          |                                                                                                                                                                  |                           |                |                                                                                  |                    |                   |                                                              |
| TUBING RECORD                                                                       |                                                                                                                                                                  |                           |                |                                                                                  |                    |                   |                                                              |
| Size                                                                                | Set At                                                                                                                                                           | Packer at                 | Liner Run      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No              |                    |                   |                                                              |
| 5-1/2"                                                                              | 3700'                                                                                                                                                            | 3700'                     |                |                                                                                  |                    |                   |                                                              |
| Date of First Production                                                            | Producing Method                                                                                                                                                 |                           |                |                                                                                  |                    |                   |                                                              |
| Waiting for state's approval to Dispose Water                                       | <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (explain) Disposal |                           |                |                                                                                  |                    |                   |                                                              |
| Estimated Production Per 24 hours                                                   | Oil                                                                                                                                                              | Gas                       | Water          | Gas-Oil Ratio                                                                    | Gravity            |                   |                                                              |
|                                                                                     | Bbls                                                                                                                                                             | MCF                       | Bbls           | CFPB                                                                             | Not applicable     |                   |                                                              |

METHOD OF COMPLETION

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

Production Interval Disposal  
 4266-3726'