

SIDE ONE

2-28-4E

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISIONWELL 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 CITGO Petroleum Company

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

Contractor: License # 5840  
 Name Brandt 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

6-18-85 6-28-85 9-5-85  
 Spud Date Date Reached TD Completion Date  
 ..2752' ..2602'  
 Total Depth PBD

Amount of Surface Pipe Set and Cemented at 255 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. 15-015-22737

County...Butler

SE.. NE.. SW.... Sec. 2.... Twp. 28S... Rge. 4.... ☒ East ☐ West

...1650... Ft North from Southeast Corner of Section

...2970... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

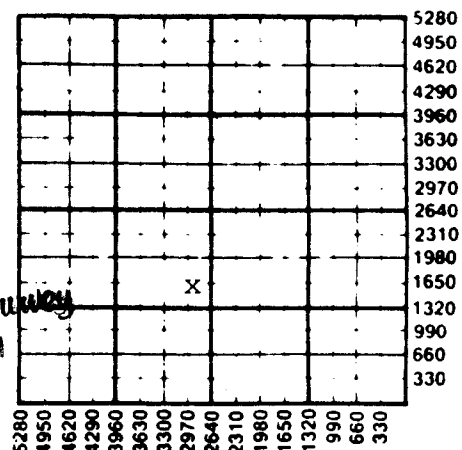
Lease Name...Augusta Unit... Well #...1-58

Field Name...Augusta

Producing Formation...Simpson

Elevation: Ground...1295'...KB...1300'

## Section Plat



SEP 23 1985

State Geological Survey  
WICHITA BRANCH

## WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal  
 Docket # ☐ Repressuring

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.

## SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Augusta Unit Well # 1-58

Sec. 2 Twp. 28S Rge. 4 ☒ East ☐ West County Butler

## 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

Ran Dual Induction - SFL w/Gamma Ray, Microlog, Compensated Neutron/Lithodensity, Experimental Dite, Natural Gamma Ray Log and Electromagnetic Propagation Log.

Set CIBP at 2610'. Dumped 1 sack cmt; set CIBP at 2625'.

Formation Description  
☒ Log ☐ Sample

| Name            | Top      | Bottom |
|-----------------|----------|--------|
| Lansing         | 1740     |        |
| Kansas City     | 2060     |        |
| B/KC            | 2266     |        |
| Cherokee        | 2435     |        |
| L. Simpson Sand | 2580     |        |
| Arbuckle        | 2595     |        |
|                 | T.D.     | 2752'  |
|                 | P.B.T.D. | 2602'  |

|                                   | Oil     | Gas | Water    | Gas-Oil Ratio | Gravity |
|-----------------------------------|---------|-----|----------|---------------|---------|
| Estimated Production Per 24 hours | 12 Bbls | MCF | 120 Bbls | CFPB          |         |

## METHOD OF COMPLETION

Production Interval

Disposition of gas. ☐ Vented ☐ Open Hole ☒ Perforation  
☐ Sold ☐ Other (Specify) .....  
☐ Used on Lease ☒ New ☐ Used

Simpson 2567-2577'

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#            | 255'          | Class A        | 150         | 2% CaCl <sub>2</sub>       |
| Production        | 7-7/8"            | 5-1/2"                    | 14#            | 2751'         | 50-50 Poz      | 250         | 10% salt + 0.75% CR 800    |

## PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record  
 (Amount and Kind of Material Used) Depth

| Shots Per Foot | Specify Footage of Each Interval Perforated |                                            |
|----------------|---------------------------------------------|--------------------------------------------|
| 4              | 2567-2576'                                  |                                            |
| 4              | 2628-2634' (squeezed)                       | cemented w/50 sx + 50 sx                   |
| 4              | 2632-2636'                                  | Acidized w/100 gals. mud acid              |
| 4              | 2620-2622' (squeezed)                       | Squeezed w/50 sx fluid loss + 50 sx regula |
| 4              | 2620-2622'                                  |                                            |
| 4              | 2590-2592'                                  | Squeezed w/50 sx fluid loss + 50 sx regula |

TUBING RECORD Size 2-3/8" Set At 2573 Packer at  Liner Run ☐ Yes ☒ No

Date of First Production 9-5-85 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain) .....