

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONLL 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 # 5141
 name Zenith Drilling Corp.

Wellsite Geologist Robert Vick
 Phone (405) 949-4400

Designate Type of Completion

☒ New Well☐ Re-Entry☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp
☐ Drv ☐ 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

5-17-84 5-27-84 6-23-84
 Spud Date Date Reached TD Completion Date

5650 5582
 Total Depth PBD

Amount of Surface Pipe Set and Cemented at 1750 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 - 081-20308

County Haskell

G.N.W. NE Sec 32 Twp. 30 S Rge. 33 West
 (location)

4620 Ft North from Southeast Corner of Section

1980 Ft West from Southeast Corner of Section

(Note: locate well in section plat below)

Lease Name ARBUTHNOT A. Well# 2

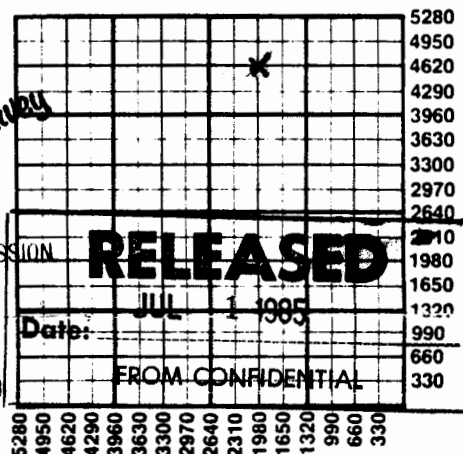
Field Name Victory

Producing Formation St. Louis

Elevation: Ground 2950' KB

DF: 2961'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T84-220

☒ Groundwater 4500 Ft North From Southeast Corner and
 (Well) 1980 Ft. West From Southeast Corner of
 Sec 32 Twp 30 Rge 33 ☐ 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
 All Victory Unit Produced water
 Docket # going to Blair B #2 SWD well

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

SIDE TWO

Operator Name Cities Service Oil & Gas Corp. Lease Name ARBUTHNOT A Well# 2.. SEC. 32.. TWP. 30.. RGE. 33.. ☐ 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
Samples Sent to Geological Survey
Cores Taken

☒ Yes ☐ No
☐ Yes ☒ No
☐ Yes ☒ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

Red Bed & Sand	0	1535
Red Bed	1535	1751
Anhydrite & Red Bed	1751	2630
Dolomite	2630	3345
Dolomite, Shale, Lime	3345	3585
Lime	3585	3885
Lime & Shale	3885	4830
Lime	4830	5095
Lime & Shale	5095	5235
Shale	5235	5555
Lime & Shale	5555	5650

Logging: **D** IL - SFL /GR, CNL - LDT
w/GR & Caliper, Microlog w/GR, **SEBL/CCL**

One DST taken:

Lansing "A" 4147-76' opened tool 15 min on initial open flow. Slight blow gas. DST recovered 100' of slightly gas cut mud.

T.D. 5650

TUBING RECORD size 2" set at 5551' packer at ☐ Yes ☒ No

Date of First Production 6-13-84 Producing method ☒ flowing ☐ pumping ☐ gas lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
305 Bbls	94 MCF	6.5 Bbls	308 CFPB	30.6°	

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

METHOD OF COMPLETION

☐ open hole ☒ perforation
☐ other (specify)

PRODUCTION INTERVAL

5559-64'

☐ Dually Completed.
☐ Commingled

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	1750'	Howco Lt. Class "H"	650	2% CaCl 1/2 #floc.
Production	7 7/8"	5 1/2"	15.5	5638'	50/50 Poz.	225	3% CaCl 1/2 #floc 18% salt #floc 8% C.F.R. - Z

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 5559-64' (St. Louis)