

CONFIDENTIAL

516188P  
7-10-86  
KCC

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 # 7860  
name Johnson Drilling Company

Wellsite Geologist Robert Vick  
Phone (405) 949-4400  
Purchaser:

Designate Type of Completion

- New Well
- Re-Entry
- Workover
- Oil
- Gas
- Dry
- SWD
- Inj
- Other (Core, Water Supply etc.)
- Temp Abd
- Delayed Comp.

If OWWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
1-29-85 2-9-85 4-10-85  
Spud Date Date Reached TD Completion Date

5700! 5653!  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1745' 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

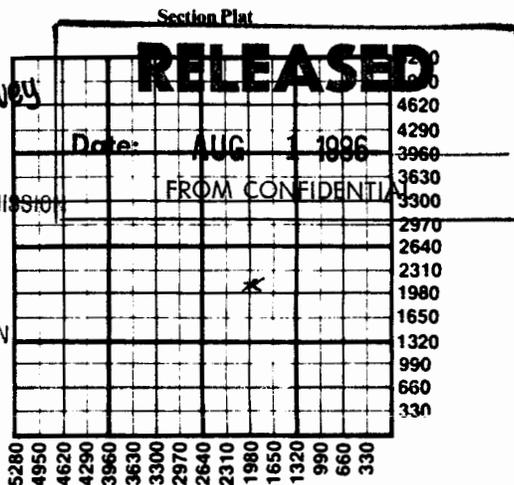
API NO. 15 - 081-20354  
County Haskell  
(2130' FSL, 1980' FEL)  
N/2 NW SE Sec 32 Twp 30 Rge 33  East  West  
2130.... Ft North from Southeast Corner of Section  
1980.... Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Arbuthnot "B" Well# 1

Field Name Victory

Producing Formation

Elevation: Ground 2948' DF 2959' DB



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit # T-84-220

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

Docket # Blair B #2 SWD Well # C 9984

**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.

**SIDE TWO**

Operator Name Cities Service Oil & Gas Corp Lease Name Arbuthnot B Well# 1 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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

Gearhart ran Electric Logs:  
 DIL-SFL w/GR & Caliper  
 CNL-FDC w/GR,  
 Microlog w/GR

Name	Top	Bottom
Surface, clay & sand	0	380
Redbed, sand & shale	380	1238
Glorietta Sand	1238	1450
Shale	1450	1730
Anhydrite	1730	1746
Shale	1746	2890
Lime & Shale	2890	5700

<b>TUBING RECORD</b> size <u>2-3/8"</u> set at <u>5547'</u> packer at		Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First Production <u>Some Oil swabbed</u>	Producing method <input type="checkbox"/> flowing <input type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain) .....		
Estimated Production Per 24 Hours	Oil	Gas	Water
	<u>Temporarily Abandoned pending evaluation to P &amp; A.</u>		
	<u>-0-</u> Bbls	<u>-0-</u> MCF	<u>100</u> Bbls
			<u>CFPB</u>

Disposition of gas:  vented  sold  used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  other (specify) .....

Dually Completed.  
 Commingled

**PRODUCTION INTERVAL**  
 .....

<b>CASING RECORD</b> <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	<u>12-1/4"</u>	<u>8-5/8"</u>	<u>24#</u>	<u>1745'</u> KB	<u>65/35 Poz. Class H</u>	<u>650</u>	<u>2% CaCl<sub>2</sub>, 1/2# floc</u>
Production	<u>7-7/8"</u>	<u>5-1/2"</u>	<u>15.5, 14</u>	<u>5699'</u>	<u>50/50 Poz.</u>	<u>175</u>	<u>3% CaCl<sub>2</sub>, 1/4# floc</u> <u>18% salt, 1/4# floc</u> <u>.8% CFR-2</u>

<b>PERFORATION RECORD</b>		<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
<u>4</u>	<u>5584-93' St. Louis</u>	<u>1000 Gal. 15% FE acid</u>	<u>5584-93'</u>
<u>4</u>	<u>5568-72' St. Louis Limestone</u>	<u>400 gals. 15% MSR-100 acid</u>	<u>5568-72'</u>
		<u>2600 gal. 15% acid, 27,000 gal. gel.</u>	<u>5568-93'</u>
		<u>&amp; .42,000# 20/40 sand.</u>	