

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM ACO-1 WELL HISTORY

API NO. 15-129-20715-00-00

County Morton

NW SW NW Sec 30 Twp 33 Rge 42 (location) 1880' FNL, 560' FWL

3400 Ft North from Southeast Corner of Section 4.720 Ft West from Southeast Corner of Section (Note: locate well in section plat below)

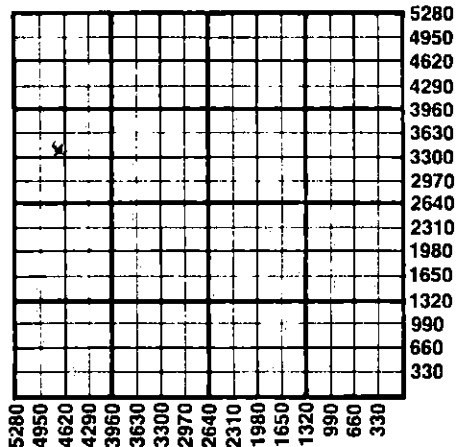
Lease Name Witcher C Well# 2

Field Name S. Winter Up. Morrow

Producing Formation

Elevation: Ground 3562' DF: 3567'

Section Plat



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 # None - Dry Hole

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 # 677 name Wakefield Drilling Co.

Wellsite Geologist Scott Dillman Phone (405) 949-4400

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

8-10-84 8-19-84 8-20-84 Spud Date Date Reached TD Completion Date

5000' Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1355' KB 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

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.

SEP 13 1984 9-13-84 CONSERVATION DIVISION Wichita, Kansas

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 D. G. Oliver Title Engineering Manager Date 9-5-84

Subscribed and sworn to before me this 6th day of September 19 84

Notary Public Date Commission Expires

K.C.C. OFFICE USE ONLY Letter of Confidentiality Attached Wireline Log Received Drillers Timelog Received Distribution KCC KGS SWD/Rep Plug NGPA Other (Specify)

Form ACO-1 (This form supercedes previous forms ACO-1 & C-10)

Sec 30 Twp 33 Rge 42

Operator Name Cities Service Oil & Gas Corp Lease Name Witcher C Well# 2 SEC. 30 TWP. 33 RGE. 42 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

LOGS: (Gearhart)
 DIL-SFL w/GR, Microlog w/GR,
 CNL-FDC w/GR, and Caliper

Name	Top	Bottom
Soil, Sand	0'	60'
Sand, Gyp, Shale	60'	1325'
(Glorietta Sand)	950'	1150'
Anhydrite	1325'	1356'
Anhydrite, Sand, Red Bed	1356'	2140'
Red Bed & Shales	2140	2380
Lime & Shale	2380	5000'

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
Conductor	30"	20"		20'	2 yds.	Redi-mix	
Surface	12 - 1/4"	8 - 5/8"	24#	1355' KB	Dowell Class H	650 150	2% CaCl ₂ , 1/2" D-29 3% CaCl ₂ , 1/4" D-29
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
	NO PERFS - DRY HOLE						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	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 Dry Hole - Bbls	Gas P & A MCF	Water 8-20-84	Gas-Oil Ratio CFPB	Gravity		

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION
 open hole perforation other (specify) _____
 Dually Completed. Commingled

PRODUCTION INTERVAL