

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 Corporation
address 800 Sutton Place Building
209 East William
City/State/Zip Wichita, Kansas 67202

Operator Contact Person Raymond Hui
Phone (405) 949-4342

Contractor: license # 5146
name Rains & Williamson Oil Co., Inc.

Wellsite Geologist
Phone

PURCHASER Permin Corporation

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
10-13-84 10-22-84 11-13-84
Spud Date Date Reached TD Completion Date

4778' 4752'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 362' 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

153-20,576 -00-00

API NO. 15 -

County Rawlins

NW NW/4 Sec 33 Twp 3S Rge 36 East
(location)

4720 Ft North from Southeast Corner of Section
4520 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

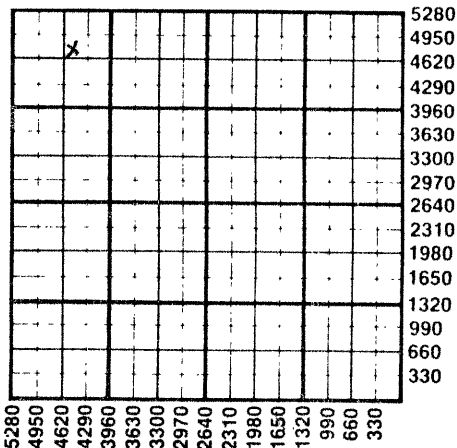
Lease Name HUBBARD-POWELL "A" Well# 1

Field Name Celia South

Producing Formation Cherokee

Elevation: Ground 3337 KB 3345'

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 #

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.

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 Oliver
Title Engineering Manager Date 11-29-84

Subscribed and sworn to before me this 30th day of Nov 1984

Notary Public Jaye S. Porter STATE CORPORATION COMMISSION
Date Commission Expires 6/12-88

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

DEC 03 1984

CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

Sec. 23, Twp. 3, Rge. 36 W

Operator Name Cities Service Oil & Gas Corporation Lease Name Hubbard-Powell Well# 1 SEC 33 TWP. 3S RGE. 36 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

Ran PFC Log

Name	Top	Bottom
Sand & Shale		2500'
Shale	2500'	2885'
Sand, Shale & Lime	2885'	3109'
Anhydrite	3109'	3157'
Shale & Lime	3157'	4778'
	TD	4778'
	PBTD	4752'

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	12 1/4"	8 5/8"	24#	362'	Class A	275	3% cc, #10#
Production	7 7/8"	5 1/2"	14#	4771'	50-50 poz.	200	10% salt, 3/4% CFR-2

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
4	4698'-4706' (Cherokee)	Acidized w/500 gals 10% MCA + 10% fercheck	4698-4706'

TUBING RECORD		Liner Run	
size	set at		
2 3/8"	4694'	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	84 Bbls	---- MCF	---- Bbls	CFPB	

Disposition of gas: vented sold used on lease

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

PRODUCTION INTERVAL
 Cherokee 4698-4706'