

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
Oklahoma City, Oklahoma
City/State/Zip 73112

Purchaser: CIG

Operator Contact Person Raymond Hui
Phone (405) 949-4268

Contractor: License #
Name Exeter Drilling Company

Wellsite Geologist Robert Vick
Phone (405) 949-4400

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inf Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If ONWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
8/31/87 9/9/87 10/26/87
Spud Date Date Reached TD Completion Date
5100' 5034'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 1408' 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
Cement Company Name
Invoice #

API NO. 15-129-20886-0000
County Morton
CSE/4 NE/4 SE/4 Sec. 7 Twp. 33S Rge. 43 East West

1650 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

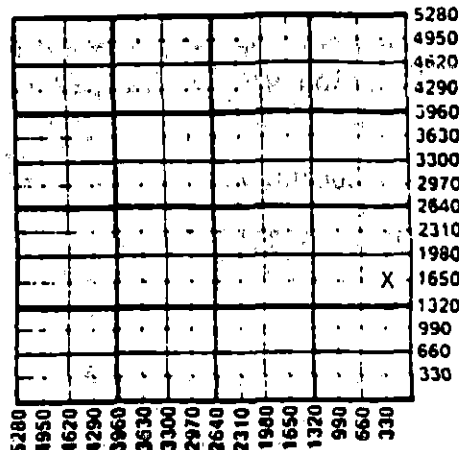
Lease Name Neill C Well # 4

Field Name Turmorrow

Producing Formation Morrow

Elevation: Ground 3656 KB 3673'

Section Plat



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
(purchased from city, R.A.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 G. Oliver
Title Special Projects Manager Date 11/10/87

Subscribed and sworn to before me this 10 day of November 1987
Notary Public Devesa Jo. Thweth
Date Commission Expires 4-24-89

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

RECEIVED
STATE CORPORATION COMMISSION

NOV 18 1987

Form ACO-1 (5-86)

Operator Name **Cities Service Oil & Gas Corp** Lease Name **Neill C** Well # **4**

Sec **7** Twp **33S** Rge **43** East West County **Morton**

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 Comp. Neutron Lithodensity w/GR from 5086-2762';
 Microlog w/GR & Caliper from 5069-2794' & DIL-SFL
 w/SP & GR from 1406-5090'.

Ran CBL/CCL/GR log from PBTD of 5034' to 3580'.

TOC at 3790'.

Name	Top	Bottom
Red Bed	0	910
Cim. Anhy.	910	1409
Shale	1409	2325
Lm. & Sh.	2325	4686
Lime	4686	5100
TD		5100
PBTD		5034

RELEASED

DEC 12 1988

FROM CONFIDENTIAL

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 Pipe	30"	20"		21'	Redi-mix	2 yds.	
Surface	12 1/4"	8 5/8"	24#	1408'	65/35 Poz	625	6% gel; 2% CaCl ₂
Production	7 7/8"	5 1/2"	14#	5099KB	CI H	235	6% gel; 12% salt
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	Morrow L 4699-4703 (4' : 16 holes)			Not acidized Not fractured			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
Waiting for pipeline connection		<input checked="" 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	Gas-Oil Ratio	Gravity	
0 Bbls		CAOF 1200	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 4699-4703'
 Dually Completed Commingled