

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 PEPL

Operator Contact Person Raymond Hui  
Phone (405) 949-4432

Contractor: License # 3098  
Name Exeter Drilling Co.

Wellsite Geologist David Smith  
Phone (405) 949-4400

Designate Type of Completion

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

If ONNO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary  Air Rotary  Cable

10/29/86 11/14/86 1/12/87  
Spud Date Date Reached TD Completion Date  
6880' 6830'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1751 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set DV tool at 3457 feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

API NO. 15-189-20927-00-00

County Stevens

NE SW SW Sec 20 Twp 34S Rge 35 East  
West

1250 Ft North from Southeast Corner of Section  
4030 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

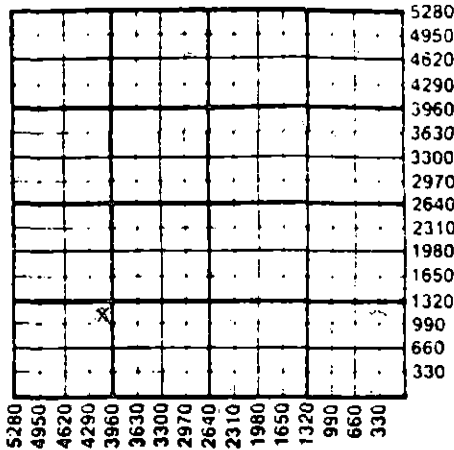
Lease Name Stalcup A Well # 2

Field Name Wallmeyer Ski SW

Producing Formation Lower Morrow

Elevation: Ground 3034' KB 3044'

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 from city, R.W.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 Engineering Manager Date 1-22-87

Subscribed and sworn to before me this 22 day of January 1987

Notary Public Teresa Jo Horvath

Date Commission Expires 4-24-89

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)

STATE CORPORATION COMMISSION

JAN 28 1987

Form ACO-1 (5-86)

Operator Name ... Cities Service Oil & Gas Corp ... Lease Name ... Stalcup "A" ... Well # ... 2

NE SW SW  
 Sec. 20 ... Twp. 34S ... Rge. 35 ...  East  West  
 County ... Stevens

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 logging tools to 6880' loggers TD.  
 Ran DIL-SFL w/SP & GR, CNL-LDT w/GR & Caliper, Microlog.  
 Ran CBL/GR/CCL from loggers TD 6829' to 5375' KB and from 3604' to 1740' KB. TOC 1st stage 5572'; TOC 2nd stage 2230'.

Name	Top	Bottom
Sand & Shale	0	697
Anhydrite	697	1752
Lime & Shale	1752	6880
TD		6880
PBTD		6830

CASING RECORD  New  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	32"	20"		20'	Redi-Mix	2 yds	
Surface	12-1/4"	8-5/8"	24#	1751'	65/35 Poz. Cl. c		600*6% TOT gel; 2% CaCl
*Production	Please refer to description below				CL.C	125	2% TOT gel; CaCl

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	Lower Morrow 6209-16'; 6226-28'; 6238-46' (17'; 68 holes)	5000 gal. RA ACD; 10000 gel; 2% KClW; 5000 gel 15% ACD	6209-6246
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TUBING RECORD  
 Size 2-3/8" Set At 6304' Packer at  
 Liner Run  Yes  No

Date of First Production 1/12/87  
 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 bbls	1250 MCF	0 bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease

\*Production Casing Information:

7-7/8" hole; csg size: 5-1/2"; 14# & 15.5#; set at 6879'; DV tool at 3457'.  
 1st stage: 50 sx 65/35 H 6% TOT gel, 1/4# Flo.  
 250 sx 50/50 H 2%, 12% salt, 0.75% Halad 322, 1/4# Flo.  
 2nd stage: 50 sx 65/35 H 6% TOT gel, 2% CaCl  
 350 sx 50/50 C 2% gel, 12% salt, 0.75% Halad 322.

Lower Morrow...  
 6209-6246