

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 # 5987  
Name Service Drilling Company  
Address 1800 4th National Bank Building  
City/State/Zip Tulsa, Oklahoma 74119

Purchaser N/A

Operator Contact Person Mike Barnhart  
Phone 918-582-9141

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist N/A  
Phone

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

If OWO: old well info as follows:  
Operator Walker Engineering  
Well Name Gates No. 1  
Comp. Date 1/17/87 Old Total Depth 5,805

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
4-4-87 4/5/87 4-27-87  
Spud Date Date Reached TD Completion Date  
5,345' 5278'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 507 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. 15-033-20,703-00-01

County Comanche  
120' E of  
C. NW/4 NW/4 Sec. 19 Twp. 32S Rge. 18W  East  West

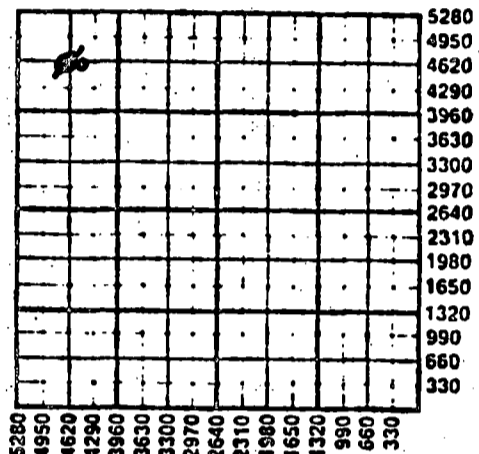
4620' Ft North from Southeast Corner of Section  
4500' Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Gates Well # 1

Field Name

Producing Formation NONE

Elevation: Ground 2063 KB 2068  
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T 86-432

Groundwater 4620 Ft North from Southeast Corner  
4500 Ft West from Southeast Corner of  
(Well) Sec 19 Twp 23S Rge 18  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 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. Rule 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 Mike Barnhart

Title Prod. Manager Date 5-7-87

Subscribed and sworn to before me this 7th day of May 1987

Notary Public Pamela J. Smith

Date Commission Expires 3-19-89

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
RECEIVED Distribution  
 KCC/KCS/ISS/Rep  NGPA  
 KGS  Plug  Other (Specify)  
AUG 17 1987  
CONSERVATION DIVISION  
Wichita, Kansas

08-17-1987

SIDE TWO

Operator Name Service Drilling Company Lease Name Gates Well # 1

Sec. 19 Twp. 32S Rge. 18W  East  West County Comanche

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

Name	Top	Bottom
Anhyrite	1010	
Hebner	4355	
Kansas City	4530	
Mississippi	5205	

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
Production	7 7/8"	4 1/2"	10#	5,280'	60/40 Poz	265	10% Salt, 6% Gelsinite & 2% Halad
Surface	12 1/4	8 5/8	23#	507	common	280	3% CC 2% GEL

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	Mississippi 5245-5258	1500 gal 15% HCL	
2 SPF	Toronto 4303-4307 CIBP @ 4910'	500 gal 15% HCL	

TUBING RECORD Size 2 3/8 Set At 4300' Packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production NONE Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	0 MCF	144 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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

Walker Engineering  
317 South Main Mall, Suite 400  
Tulsa, Oklahoma 74103

Gates #1  
C NW NW Sec. 19, 32S, 18W  
Comanche County, Kansas

Drill Stem Tests

DST #1 5175' - 5242

30-30-30-60

Temperature	126
IHP	2596
IFP	82
FFP	118
ISIP	1601
FSIP	1635
FHP	2574

Recovery 90' of mud with few specks of oil  
60' muddy water.

DST #2 5715 - 5750

30-30-30-60

Temperature	134
IHP	2792
IFP	1298
FFP	2087
ISIP	2087
FSIP	2087
FHP	2744

Recovery: 3860' water, cl. 93,000.

DST #3 5695 - 5705

30-30-30-60

Temperature	128
IHP	3090
IFP	23
FFP	23
ISIP	130
FSIP	23
FHP	3014

Recovery 1' mud.