

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 # 5900  
Name Lawbanco Drilling, Inc.  
Address Box 289  
City/State/Zip Natoma, Kansas 67651

Purchaser: Farmland Industries Inc.  
P. O. Box 7305  
Kansas City, Missouri 64116

Operator Contact Person: Reva F. Musgrove  
Phone 913-885-4676

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist: John L. James  
Phone 316-262-7938

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  
8/28/85 9/4/85 9-19-85  
Spud Date Date Reached TD Completion Date  
3,500' 3453  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 242.24 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate completion, cement circulated from 3498 feet depth to Surface 525 feet depth to 525 SX cmt

API NO. 15-141-20,219-00-00  
County Osborne  
SW/4 NE/4 NE/4 17 10S 15W  East  
Sec Twp Rge  West

4290  
990  
Ft North from Southeast Corner of Section  
Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

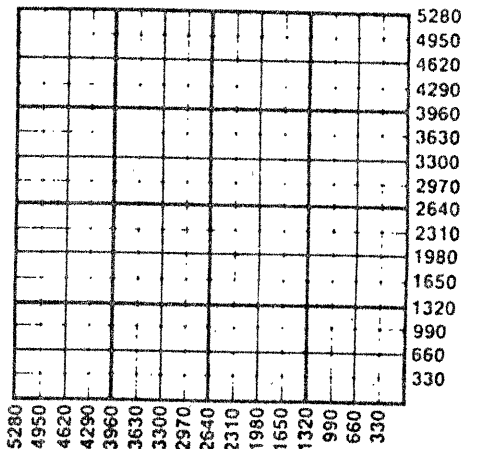
Lease Name Ruggels Well # 1

Field Name Natoma Townsite

Producing Formation Conglomerate

Elevation: Ground 1,850' KB 1,855'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # Hauled  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 4100 Ft North from Southeast Corner (Stream, pond etc) 1800 Ft West from Southeast Corner Sec 17 Twp 10S Rge 15W  East  West  
 Other (explain) Frank Ruggels Estate Natoma, Kansas 67651 (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 [Signature] Title Production Superintendent Date 10-24-85

Subscribed and sworn to before me this 24 day of October 1985. Notary Public Reva F. Musgrove Date Commission Expires 3-28-88

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)

Received 10/30/85

SIDE TWO

Operator Name Lawbanco Drilling, Inc. Lease Name Ruggels Well # 1  
 Sec. 17 Twp. 10S Rge. 15W  East  West County Osborne

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

0 to 252 Soil-post rock-shale  
 252 to 454 Shale-sand-hard sand  
 454 to 467 Shale  
 467 to 693 Sand-hard sand  
 693 to 1057 Shale-red bed  
 1057 to 1089 Anhydrite  
 1089 to 1585 Shale  
 1585 to 2660 Shale-lime  
 2660 to 3500 Lime-RTD

Name	Top	Bottom
Anhydrite	1051	1086
Topeka	2786	
Heebner	3023	
Toronto	3045	
Lansing	3075	
Base Kc	3333	
Conglomerate	3433	
RTD	3490	

DST # 1 3090-3145 30-45-30-45  
 Weak Blow: 30 minutes  
 Recovery: 65' mud and water with oil spots. 50% mud 50% water  
 IFP: 50-57 ISIP: 827  
 FFP: 72-72 FSIP: 797

Continued on attached page

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"	20#	250'	Common	135	2% Gel 3% CC
Production	7 7/8"	4 1/2"	10.5#	3,497'	65/35 Poz & 5# Flocele 50/50 Poz 5# Gilsonite 3/4% CFR2	350	10% Gel 2% Eonli 2% Gel 10% 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	3439 to 3443			none			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
9-19-85		2 3/8	3451				
Producing Method		<input type="checkbox"/> Flowing <input checked="" 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	
12 Bbls			70 MCF			26 CFPB	

METHOD OF COMPLETION

Production Interval

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

RECEIVED  
 STATE CORPORATION COMMISSION  
 3439 to 3443  
 OCT 30 1985

DST # 2                    3410-3445  
30-45-60-45  
Recovery: 270' Heavy oil cut mud and water.  
Approx. 33% each  
IFP: 50-86                ISIP: 688  
FFP: 101-159            FSIP: 667

DST # 3                    3445-3450  
30-45-15-15  
Recovery: 5" oil spotted mud  
IFP: 21-21                ISIP: 587  
FFP: 21-21                FSIP: 456

RECEIVED  
STATE CORPORATION COMMISSION  
10/30/85  
OCT 30 1985

CONSERVATION DIVISION  
Wichita, Kansas