S SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

API NO. 15- 141-20,219-00-00

County Osborne

SW/4 NE/4 NE/4 Sec. 17 Twp. 10S Rge. 15W [ ] East [X] West

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

Lease Name Ruggels Well # 1

Field Name Natoma Twst

Producing Formation Conglomerate

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

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

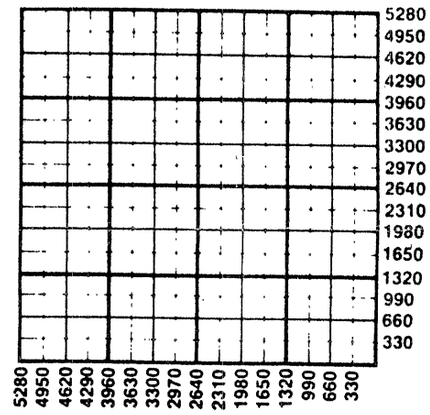
Wellsite Geologist John L. James
Phone 316-262-7938

Designate Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

[X] 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

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

[XX] Surface Water 4100 Ft North from Southeast Corner
(Stream, pond etc) 1800 Ft West from Southeast Corner
Sec 17 Twp 10S Rge 15W [ ] East [XX] West

[ ] Other (explain) Frank Ruggels Estate
Natoma, Kansas 67651
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:
[X] Mud Rotary [ ] Air Rotary [ ] Cable

Spud Date	Date Reached TD	Completion Date
8/28/85	9/4/85	9-19-85

Total Depth	PBTD
3,500'	3453

Amount of Surface Pipe Set and Cemented at 242.24 feet
Multiple Stage Cementing Collar Used? [ ] Yes [X] No
if yes, show depth set feet
If alternate 2 completion, cement circulated
from 3498 feet depth to Surface w/ 525 SX cmt

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 Robert W. White
Title Production Superintendent Date 10-24-85

Subscribed and sworn to before me this 24 day of October 19 85
Notary Public Reva F. Musgrove
Reva F. Musgrove
Date Commission Expires 3-28-88

Received
10/28/85

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)

Sec. 17 Twp. 10 Rge. 15W

Form ACO-1 (7-84)

SIDE TWO

Operator Name Lawbanco Drilling, Inc. Lease Name Ruggels Well # 1

Sec. 17 Twp. 10S Rge. 15W [ ] East [X] 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 [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

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

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

Formation Description
[X] Log [ ] Sample

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

CASING RECORD [X] 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
Surface	12 1/4"	8 5/8"	20#	250'	Common	135	2% Gel 3%CC
Production	7 7/8"	4 1/2"	10.5# & ¼# Flocele 5# Gilsonite 3/4%	3,497'	65/35Poz 50/50 Poz CFR2	350 175	10% Gel 2%Econlite 2% Gel 10% Salt

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated
4	3439 to 3443

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used)	Depth
none	

TUBING RECORD Size 2 3/8 Set At 3451 Packer at

Liner Run [ ] Yes [X] No

Date of First Production 9-19-85

Producing Method [ ] Flowing [X] Pumping [ ] Gas Lift [ ] Other (explain)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	12 Bbls	MCF	70 Bbls	CFPB	26

METHOD OF COMPLETION

Disposition of gas: [X] Vented [ ] Sold [ ] Used on Lease

[ ] Open Hole [X] Perforation
[ ] Other (Specify)

[ ] Dually Completed
[ ] Commingled

Production Interval
Conglomerate
3439 to 3443

RECEIVED
STATE CORPORATION COMMISSION
OCT 28 1985
CONSERVATION

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
10/28/85
OCT 28 1985
CONSERVATION DIVISION
Wichita, Kansas