

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 # 6600  
Name Don Karst Well Service, Inc.  
Address 201 E. 29th  
City/State/Zip Hays, Kansas 67601

Purchaser Farmland Industries  
Coffeyville, KS 67337

Operator Contact Person Don Karst  
Phone 913-483-3958

Contractor: License # 8241  
Name Emphasis Oil Operations

Wellsite Geologist Dave Schumaker  
Phone 913-483-3732

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 Lawbanco Drilling Inc.  
Well Name L-C Ruggles  
Comp. Date 10-19-84 Old Total Depth 3390

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

Spud Date 11-10-85 Date Reached TD 11-11-85 Completion Date 12-2-85

Total Depth 3390 RTD PBSD

Amount of Surface Pipe Set and Cemented at 570 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. 15-141-20-207-00-01

County Osborne

Sec. 22 Twp 10 Rge 15 East West

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

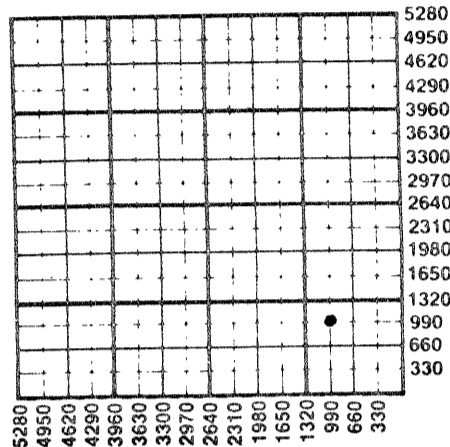
Lease Name Ruggles "OWWO" Well # 2

Field Name Ruggles

Producing Formation Conglomerate-Lansing KC

Elevation: Ground 1797 KB 1802

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 22 Twp 10 Rge 15 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.

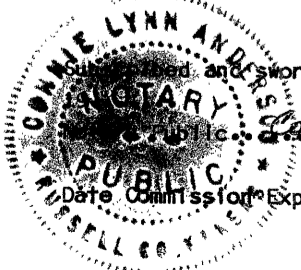
Signature Donald D. Karst

Title President Date 2-19-86

Sworn to before me this 19 day of February

Commissioner Lynn Anderson

Date Commission Expires March 29, 1987



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

STATE CORPORATION COMMISSION-1 (7-84)

FEB 20 1986

2-20-86  
CONSERVATION DIVISION

Sec 22 Twp 10 Rge 15 W

**SIDE TWO**

Operator Name Don Karst Well Service Inc. Lease Name Ruggles "OWWO" Well # 2

Sec. 22 Twp. 10 Rge. 15  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

DST #1 2981-3025  
 Tool Open: 30-45-45-45  
 Rec: 80' G/P  
 95' O & GCM  
 IFP: 78-68  
 ISIP: 458  
 FFP: 87-97  
 FSIP: 410  
 BHT: 101  
 DST #2 3040-75  
 Tool Open: 30-45-45-45  
 Rec: 550' Gassy Muddy Wtr.  
 IFP: 97-175  
 ISIP: 498  
 FFP: 214-302  
 FSIP: 488  
 BHT: 103

DST #3 3311-42'  
 Tool Open: 30-45-45-45  
 Rec: 90' SO&GCM  
 IFP: 58-58  
 ISIP: 613  
 FFP: 78-87  
 FSIP: 613  
 BHT: 102

Name	Top	Bottom
Anhydrite	949'	(+853)
Base Anhy	985'	(+817)
Topeka	2672'	(-870)
King Hill Shl.	2782'	(-980)
Queen Hill Shl.	2843'	(-1042)
Heebner	2918'	(-1116)
Toronto	2940'	(-1138)
Lansing	2968'	(-1166)
BKC	3234'	(-1432)
Conglomerate	3330'	(-1530)
RTD	3390'	
LTD	3389'	

CASING RECORD <input type="checkbox"/> New <input checked="" 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		570	Previously set		
Production	7-7/8	5-1/2	41	3389	60/40 POZ	225	
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	3326 1/2 - 285'			250	15% NE	3326 1/2 - 285' (2')	
1	3014' Limited Entry			1500	15% NE	3014' (1')	
1	3001' Limited Entry			3500	15% NE	3001' (1')	
4	3013-16' 2998-3002'						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2-7/8"		3331'					
Date of First Production		Producing Method					
December 2-1985		<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	
15 Bbls		--	MCF	20 Bbls	CFPB	39.8	

**METHOD OF COMPLETION**

Production Interval

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

Conglomerate  
 Lansing