

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 Box 1316  
City/State/Zip Hays, Kansas 67601

Purchaser FARMLAND

Operator Contact Person Don Karst  
Phone 913-628-1125

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist DAVID SCHUMAKER  
Phone 913-483-5519

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  
10/8/87 10/15/87 11-12-87  
Spud Date Date Reached TD Completion Date  
3,440' 3015'  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 630.95 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. 15-141-20,233-00-00  
County Osborne  
NE/4 NW/4 SE/4 22 10S 15W  East  
Sec Twp Rge  West

2310 Ft North from Southeast Corner of Section  
1650 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

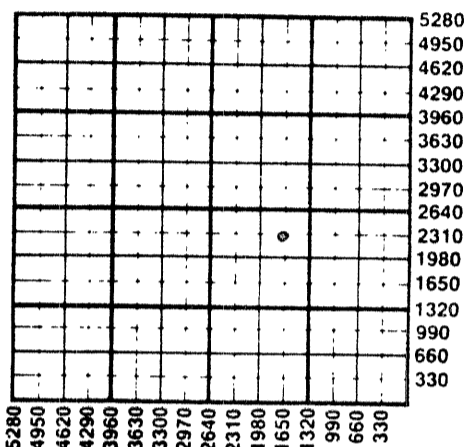
Lease Name Koelling Well # 2

Field Name RUGGLES

Producing Formation KC/Toronto/Topeka

Elevation: Ground 1789 KB 1794

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # D-34460  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 (Well) Ft North from Southeast Corner  
Ft West from Southeast Corner of  
Sec Twp Rge  East  West  
 Surface Water 1200 Ft North from Southeast Corner  
(Stream, pond etc.) 1200 Ft West from Southeast Corner  
Sec 25 Twp 10SRge 15  East  West  
L. H. Koeling, Paradise, Ks.  
 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.

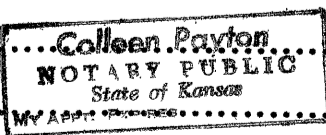
Signature Donald D. Karst

Title DONALD D. KARST, PRESIDENT Date 2-1-88

Subscribed and sworn to before me this 1ST day of FEBRUARY 1988

Notary Public Colleen Payton COLLEEN PAYTON

Date Commission Expires MAY 2, 1991



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)

SIDE TWO

Operator Name Don Karst Well Service, Inc. Lease Name Koelling Well # 2

Sec. 22 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

DST#1--3022-3056 (L/KC)  
 TIME: 30-30-30-30  
 BLOW: INITIAL-WEAK SLOWLY INCREASING  
 FINAL-WEAK STEADY  
 RECOVERY: 190' OIL CUT WATERY MUD  
 PRESSURES:  
 IHMP-1607# IFP-58#-91#  
 ISIP-409# FFP-108#-133#  
 FSIP-392# BHT-N/A  
 FHMP-1591#  
 MUD PROPERTIES:  
 VISCOSITY-44  
 WEIGHT-9.7  
 WATER LOSS-11.0 CC

Name	Top	Bottom
TOPEKA	2663	(-869)
HEEBNER	2908	(-1114)
TORONTO	2931	(-1137)
LANSING	2959	(-1165)
BASE K.C.	3224	(-1430)
CONGLOMERATE	3322	(-1528)
ARBUCKLE	3384	(-1590)

CASING RECORD <input checked="" 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"	20#	638'	60/40 Poz	300	3% CC, 2% Gel
Production	7 7/8"	4 1/2"	10.5#	3,439'	60/40 Poz	175	10% Salt, 5% Gilsomite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2HPF	3035-38, 2694-2700, 3004-07, 3989-93, 2933-36			SQUEEZE WITH 200SX 1000G15%NE&4000G20%@2991-3004 1000G15%NE@2933-36, 1500G15%NE@2694-2700 500G15%NE@3035-38, 1500G15%NE@3264&3005		2980-3037	
TUBING RECORD			Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
			2-3/8"	3012'			
Date of First Production		Producing Method					
11-12-87		<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	
8		Bbls	MCF	30	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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

2989-93  
 3004-07.....  
 2933-36  
 2694-2700.....