

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 SHUMAKER
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
10/16/87 10/24/87 11/4/87
Spud Date Date Reached TD Completion Date
3,450' none
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 643.81 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. 15-141-20,235-00-00
County Osborne
110' S & 50' W of
SE/4 NW/4 SE/4 Sec 22 Twp 10S Rge 15W East West

1540 Ft North from Southeast Corner of Section
1700 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

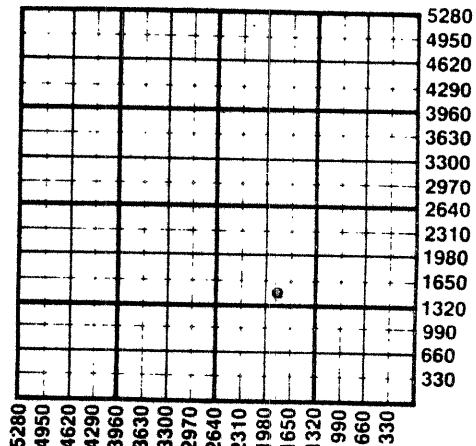
Lease Name Koelling Well # 3

Field Name RUGGLES

Producing Formation KC/Toronto

Elevation: Ground 1784 KB 1789

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # 0-24460

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 1200 Ft North from Southeast Corner (Stream, pond) etc. 1200 Ft West from Southeast Corner Sec 25 Twp 10S Rge 15 East West
L. H. Koelling, Paradise, KS 67658
 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.

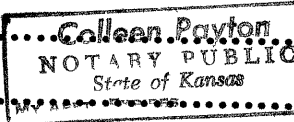
Signature Donald D. Karst

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

Date Commission Expires MAY 2, 1991 2-1-88



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)

Sec. 82, Twp. 10, Rge. 15

SIDE TWO

Operator Name Don Karst Well Service, Inc. Lease Name..... Koelling Well #..... 3

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

Name	Top	Bottom
ANHYDRITE	942(+847)	
BASE ANHYDRITE	974(+815)	
TOPEKA	2665(-876)	
HEEBNER	2908(-1119)	
TORONTO	2932(-1143)	
LANSING	2963(-1174)	
BASE KANSAS CITY	3226(-1437)	
CONGLOMERATE	3321(-1532)	
ARBUCKLE	3370(-1581)	

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#	651.66'	60/40 Poz	300	3%CC, 2%Gel
Production	7 7/8"	4 1/2"	10.5#	3433.53'	60/40 Poz Gilsonite	225 500 Gal	10% Salt, 5% WFR2
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	3003-08, 2989-93, 2933-36			1500G15%NE&3500G20%NE@3005&2991		500G15%NE@2933-36	
TUBING RECORD		Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8"	3361'				
Date of First Production	Producing Method						
11-6-87	<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		
	11 Bbls		5 Bbls				

METHOD OF COMPLETION

Production Interval

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

..... 2989-93
 3003-08
 2933-36