

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 # 4316
Name Class Oil
Address 210 W. 34th Street
City/State/Zip Hays, KS 67601

Purchaser N.C.R.A.

Operator Contact Person Tom Brown
Phone 913-434-7141

Contractor: License # 9087
Name R & C Drilling Co., Inc.

Wellsite Geologist TONY KRUSE
Phone N.A.

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

9-15-86 9-19-86 9-19-86
Spud Date Date Reached TD Completion Date

3470 3456
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 208 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 1300 feet depth to SURFACE 375 SX cmt
Cement Company Name HALIBURTON
Invoice # 419770

API NO. 15-163-22,889-00-00
County Rooks
150 W of SE NE SE Sec 24 Twp 8 Rge 18 East
SE NE SE Sec 24 Twp 8 Rge 18 West

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

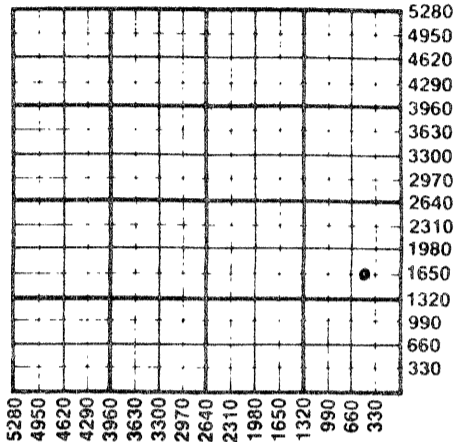
Lease Name Pearl Well # 4

Field Name DOPITA

Producing Formation ARBUCKLE - LKC

Elevation: Ground 1983 1988 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # N.A. 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 NE 1/4 Sec 28 Twp 8 Rge 18 East West

Other (explain) (purchased from city, R.W.D. #)

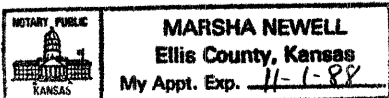
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 Douglas F. Rogers
Title Co-owner Date 12/29/86

Subscribed and sworn to before me this 29 day of December 1986
Notary Public Marsha Newell
Date Commission Expires 11-1-88

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)



DEC 30 1986
DEC 30 1986 Form ACO-1 (5-86)
CONSERVATION DIVISION
Wichita, Kansas

Sec 24 Twp 8 Rge 18 E

SIDE TWO

Operator Name Class Oil Lease Name Pearl Well # 4

Sec. 24 Twp. 8 Rge. 18 East West County Rooks

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	1304	
TOPEKA	2896	
HEBNER	3105	
TORONTO	3130	
LKC	3150	
BASE L.K.C	3374	
ARBUCKLE	3408	

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	208	60/40 poz	145	2% gel, 3% cc
LONG STRING	7 7/8	4 1/2	9.5	3469	60/40 poz	150	2% gel, 10% salt, 3% gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TWO	3190 -- 3194			2,000 gal 15%			
TWO	3206 -- 3210			1,000 gal 15%			
TWO	3306 -- 3308			1,000 gal 15%			
TWO	3410 -- 3420			4,000 gal 15% acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At		Packer at			
2 3/8		3450		-N-			
Date of First Production		Producing Method					
11-20-86		<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	
4		0	150	30			
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation LKC 3190 to 3308
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled ARB 3410 to 3420