

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 185-22,924

CONFIDENTIAL

County Stafford
260' W & 30' N of

N/2 - NW - NW Sec. 20 Twp. 21 Rge. 11W

300' FNL Feet from S/W (circle one) Line of Section

400' FWL Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name KEELER 'C' Well # 1-20

Field Name Wildcat

Producing Formation Viola Chert, Simpson Sand

Elevation: Ground 1783 KB 1792

Total Depth 3600' PBD 3581

Amount of Surface Pipe Set and Cemented at 279' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 DPW
(Data must be collected from the Reserve Pit) 7-16-89

Chloride content 57,000 ppm Fluid volume NA bbls

Dewatering method used Truck Hauling/Evaporation

Location of fluid disposal if hauled offsite:

Operator Name F. G. Holl Company

Lease Name Rader License No. 5056

1 NE 1996 Quarter Sec. 18 Twp. 21 S Rng. 11W E/W

County Stafford Docket No. D-26,046

Operator: License # 5056

Name: F. G. Holl Company

Address 6427 E Kellogg

P.O. Box 780167

City/State/Zip Wichita, Ks. 67278-0167

Purchaser: NCRA

Operator Contact Person: Elwyn H. Nagel

Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company

License: 5142

KCC

Site Geologist: Jeff Klock

Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SIOW Temp. Abd.

 Gas ENHR SIGW

 Dry Other (Core, WSW, Exp.)

If Workover/Re-Entry: old well in

Operator:

Well Name:

Comp. Date Old Total

 Deepening Re-perf. Core to Inj/SWD

 Plug Back PBD

 Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

8/26/93 9/1/93 10/5/93

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Elwyn H. Nagel

Title Elwyn H. Nagel, Manager Date 11-23-93

Subscribed and sworn to before me this 11th day of November, 1993.

Notary Public

Date Commission Expires

V. JEAN FEIL
NOTARY PUBLIC

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C Geologist Report Received

Distribution
✓ KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name F. G. Holl Company Lease Name KEELER 'C' Well # 1-20

Sec. 20 Twp. 21 Rge. 11W County Stafford
☐ East
☐ West

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 (Attach Additional Sheets.)	☒ Yes ☐ No	☒ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☒ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	STOTLER	2421	(-629)
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	TARKIO	2486	(-694)
		HOWARD	2638	(-846)
		SEVERY SHALE	2694	(-902)
		TOPEKA	2736	(-944)
		HEEBNER	3025	(-1233)
		BROWN LIME	3152	(-1360)
		LANSING	3168	(-1376)
		BKC	3396	(-1604)
		VIOLA CHERT	3450	(-1658)

List All E.Logs Run:
ZDLC/CN/DIFL/GR/MINILOG

CASING RECORD							
☐ 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"	23#	279'	60/40 POZ	225	2%gel, 3%cc
PRODUCTION	7 7/8"	5 1/2"	14#	3594'	Lite	100	
					Holl Mix	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type, Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1 SPF	Viola Chert - 3451, 54, 55, 57, 61	Frac w/20,950 gal. cross-link gel &	
1 SPF	Simpson Sand - 3477, 79, 80, 83, 84	8125# 12/20 sand.	

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes ☐ No
		2 3/8"	3450'			
Date of First, Resumed Production, SWD or Inj.			Producing Method			
10/5/93			☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	25	-0-	30			

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)	☐ Open Hole ☐ Perf. ☐ Dually Comp. ☒ Commingled ☐ Other (Specify)	see above