

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 # 6280  
Name H.K. & W. Oil Operations, Inc.  
Address P.O. Box 1851  
City/State/Zip Salina, KS 67401

Purchaser.....

Operator Contact Person Orville Kaufman  
Phone 316-793-7327

Contractor: License # 5929  
Name Duke Drilling Co., Inc.

Wellsite Geologist.....  
Phone.....

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

Spud Date 4-6-85 Date Reached TD 4-12-85 Completion Date 4-12-85

Total Depth 3660 PBDT

Amount of Surface Pipe Set and Cemented at 1440 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. 15-163-22,662-00-00

County Rooks

SW SW SW Sec. 20 Twp. 6 Rge. 18  East  West

330 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

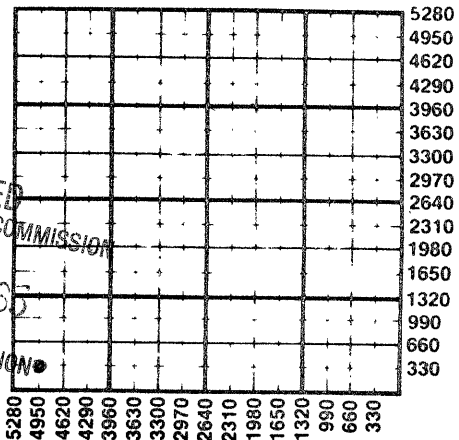
Lease Name Hazen Well # 1

Field Name.....

Producing Formation.....

Elevation: Ground 2123 KB 2128

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
JUN 17 1985  
CONSERVATION DIVISION  
Wichita, Kansas  
6-17-85

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # .....

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 330 Ft North from Southeast Corner (Stream, pond etc) 2310 Ft West from Southeast Corner Sec Twp Rge  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 Orville Kaufman

Title Partner Date 6-12-85

Subscribed and sworn to before me this 12 day of June 1985

Notary Public Dorothy M. Dague

Date Commission Expires 4-29-86

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 20 Twp 6 Rge 18 W

SIDE TWO

Operator Name H. K. & W. Oil Operations, Inc. Lease Name Hazen Well # 1

Sec. 20 Twp. 6 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	1664'	1695'
Howard	3063'	
Severy	3100'	
Topeka	3121'	
Heebner	3325'	
Toronto	3348'	
Kansas City	3366'	
Base K.C.	3593'	
RTD	3660'	

DST #1 3314-3360' 20/20/20/20 IF 1706, FH 1697, IF 56 FIF 45 ISIP 92 SIF 64, SFF 50, SSIP 80; 1st Flow: Tool opened w/surface bubble blow, decrease to no blow in 2 min. 2nd flow: Tool opened w/no blow bypassed w/no blow & remained.

DST #2 3463-3536' 20/20/20/20/ IF 1817, FH 1807, IF 77, FIF 65 ISIP 491, SIF 80, SFF 70, SSIP 392; 1st Flow- Tool opened w/weak blow decreased to no blow in 5 min. 2nd Flow - Tool opened w/no blow bypassed tool w/good surge.

No Log.

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"	23#	1440'	Howco 1t. 50/50poz	250 200	2% gel 3% cc

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method				
	<input type="checkbox"/> Flowing <input 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
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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