

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 # 5269
Name Kansas Natural Gas, Inc.
Address Box 818
Hays, Kansas
City/State/Zip 67601

Purchaser KN Energy

Operator Contact Person Joe Ward
Phone 316-275-7279

Contractor: License # 5382
Name Cheyenne Drig

Wellsite Geologist Ron C. Osterburh
Phone 316-276-8145

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
7-11-87 7-14-87 7-27-87
Spud Date / Date Reached TD Completion Date
2648' 2644'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 550 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from 550 feet depth to Surface 285 SX cmt

API NO. 15-055-20,717-0000

County Finney

NE SE SW Sec 20 Twp 24 Rge 34 East West

780 Ft North from Southeast Corner of Section
2650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

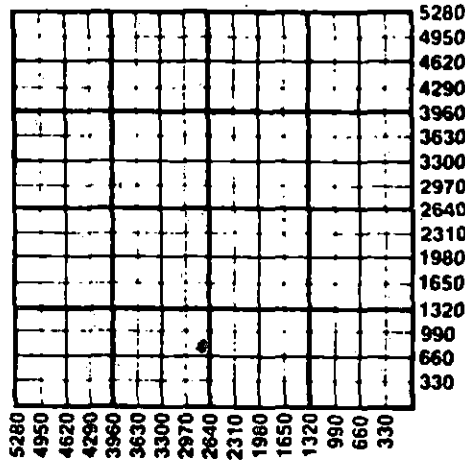
Lease Name Hamlin 5-2 Well #

Field Name Hugoton - Infill

Producing Formation Chase series

Elevation: Ground 2962' KB 2971'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket # C-16812 (96 930-C)

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 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 Joe Ward

Title Field Supt. Date 8-25-87

Subscribed and sworn to before me this 25th day of August 1987
Notary Public Pam Kaiser

Date Commission Expires 3-5-91

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

PAM KAISER
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 3-5-91

CONSERVATION DIVISION
Wichita, Kansas

8-28-87 AUG 28 1987

Form ACO-1 (7-84)

Sec 20 Twp 24 Rge 34

SIDE TWO

Operator Name Kansas Natural Gas, Inc. Lease Name Hamlin Well # 5-2

Sec. 20 Twp. 24 Rge. 34 East West County Finney

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
T/Perm.	810'	
T/Blaine	1292'	
T/Glorita	1415'	
T/Anhydrite	1842'	
B/Stone Corral		1905'
T/Chase	2462'	
T/Krider	2478'	
T/Winfield	2534'	
T/Towanda	2594'	

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"	24#	550'	W/185	300	3C & 2% S1
Production	7 7/8"	5 1/2"	14#	2647'	W/100	300	Class G 2% S1 1/4# D29
					W/330	300	DSLW 3C 1/4# D29 W/200
					skt DSLW Premium	10%	H44

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2478 to 2488	W/5000 gals. 15% MSR 5 gals	2478 to 2488
2	2500 to 2510	3 F78 W/2% KCL Frac. W/2470	2500 to 2510
2	2540 to 2550	and 200,000 12/20 sand.	2540 to 2550
2	2604 to 2614		2604 to 2614

TUBING RECORD Size 2 3/8 Set At 2614.46' G.L. Packer at Liner Run Yes No

Date of First Production Pending on pipeline connection Producing Method Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas Rate of Flow MCF	Water Bbls	Gas-Oil Ratio	Gravity
		343.0 MCF Open flow	0	CFPB	0.728
		1339.8 MCF			

METHOD OF COMPLETION

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)

Production Interval
 2478' to 2488'
 2500' to 2510'
 2540' to 2550'
 2604' to 2614'

Dually Completed
 Coning