

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 Drlg.

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 OWMO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

7-8-87 7-10-87 7-24-87  
Spud Date ( Date Reached TD Completion Date  
2633' 2620'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 558 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from 558.....feet depth to Surface w/ 285 SX cut

API NO. 15-055-20-716-0000

County Finney

SW.. SW.. SE.. Sec. 19 Twp. 24 Rge. 34  East  West

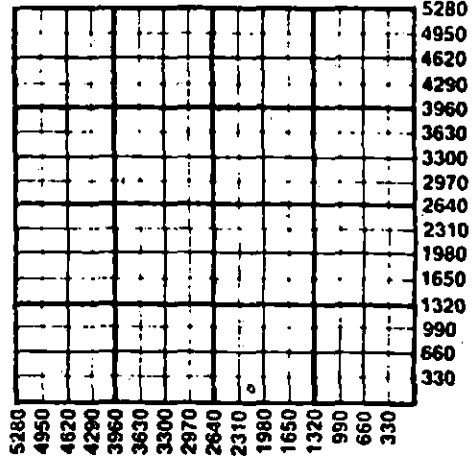
200 Ft North from Southeast Corner of Section  
2250 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Hamlin Well # 2-2

Field Name Hugoton - Infill

Producing Formation Chase series

Elevation: Ground 2951 KB 2960  
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 R. Ward

Title Field Supt. Date 8-24-87

Subscribed and sworn to before me this 24th 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)  
RECEIVED  
STATE CORPORATION COMMISSION  
AUG 25 1987

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

8-25-87

CONSERVATION DIVISION  
Wichita, Kansas

Sec 19 Twp 24 Rge 34

**SIDE TWO**

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

Sec. .... 19. .... 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
B/Stone Corral		1910
T/Chase	2450	
T/Krider	2484	
T/Winfield	2526	
T/Towanda	2597	

**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#	558	W/185 sks DSLW 3C & 2% S1 + 1/4# D29 Tail W/100 sks Class C + 2% S1 +		
Production	7 7/8	5 1/2	14#	W/330 sks DSLW 3C 1/4# D29 Tail W/200 sks DSLW Premium + 10% D44 Salt			

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2485 to 2495	W/5000 gals. 15% MSR 5/A200 3/P75N 2% KCl	
2	2506 to 2516	3/P78 Frac. W 2470 WF-140 and 200,000	
2	2535 to 2545	12/20 sand.	
2	2608 to 2618		

**TUBING RECORD** Size 2 3/8 Set At 2614 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 434.5 MCF Open Flow	Water 0 Bbls	Gas-Oil Ratio	Gravity 0.731
		1359.6 MCF		CFPB	

**METHOD OF COMPLETION**

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

Production Interval  
 2485 to 2495  
 2506 to 2516  
 2535 to 2545  
 2608 to 2618

Dually Completed  Commingled