

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 P.O. Box #818
Hays, Kansas
City/State/Zip 67601

Purchaser KN Energy

Operator Contact Person Mr. Joe Ward
Phone 316-275-7279

Contractor: License # 5382
Name Cheyenne Drilling Company

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

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD 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

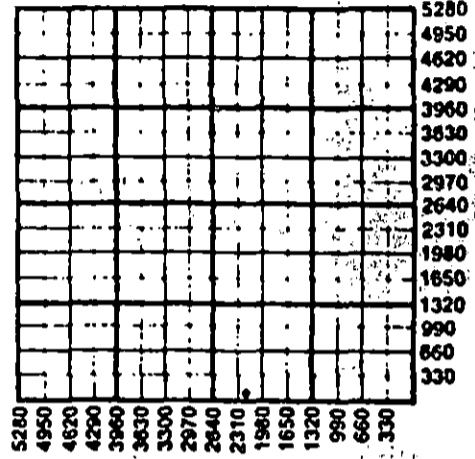
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
7-15-87 7-17-87 8-1-87
Spud Date / Date Reached TD Completion Date
2651' 2651'
Total Depth PBDT
Amount of Surface Pipe Set and Cemented at 547 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set... feet
If alternate 2 completion, cement circulated from 547 feet depth to surface 285 SX cut

API NO. 15-055-20718-0000
County Finney County
Sw Sw Se Sec 30- Twp 24S Rge 34W East West

80' Ft North from Southeast Corner of Section
2200' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Hamlin A-1#2 Well # A1-2
Field Name Hugoton - Infill
Producing Formation Chase Series
Elevation: Ground 2973' KB 2981'
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 Superintendent Date 8-25-87

Subscribed and sworn to before me this 25th day of August 1987.
Notary Public Sam Kaiser
Date Commission Expires 3-5-91

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

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

CONSERVATION DIVISION
Wichita, Kansas

Operator Name Kansas Natural Gas, inc. Lease Name HAMLIN A#1-2 Well # 1-2
 Sec. 30 Twp. 24S Rge. 34W East West County Finney County

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	860	
T/Blaine	1314	
T/Glor	1430	
T/Anhy.	1843	
B/SC		1914
T/Chase	2462	
T/Krider	2493	
T/Winfield	2545	
T/Towanda	2604	

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#	547	W/185 sacks DSLW3C & 2% CAC/2		
Production	7 7/8	5 1/2	14#	2493	2% CAC/2 and 1/4# D29sk	1/4# D29sk	and 100sks G & 200 sksDSLW5P and 10% D44

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	2490-2500	W/10,000 gal. WF140pad 25,000 gal WF 140	140
2	2510-2520	& 1PPG 12/20 sand, 25,000 gal WF & 2PPG	
2	2545-2555	12/20 sand, 25,000 gal WF140 & 3PPG 12/20	
2	2616-2626	12,500 gal WF 140 & 4PPG 12/20 sand flush with 4200gallon WF40	

TUBING RECORD Size 2 3/8" Set At 2622.52 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	Gas Rate of Flow	Water	Gas-Oil Ratio	Gravity
	Bbls	214.6MCF Open Flow 1374.1 MCF/MCF	0 Bbls		0.725

METHOD OF COMPLETION

Production Interval
 2490-2500
 2510-2520
 2545-2555
 2616-2626

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

Quality Completed
 Damaged