

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
Address Box 428, 115 W. 3rd
City/State/Zip Eureka, KS 67045

Purchaser Kansas-Nebraska Pipeline

Operator Contact Person Kevin Hough
Phone (316) 583-5202

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist Jack Berentz
Phone (316)-583-5202

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
11-08-88 11-12-88 11-12-88
Spud Date Date Reached TD Completion Date
2960' 2918'
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 642 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 2948 feet depth to G.L. w/ 500 SX cmt
Cement Company Name Halliburton
Invoice # 7308048

API NO. 15-055-20,834-0000
County Finney
SE SE SW 19 Twp 24S Rge 34 East
2920 330
Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Hamlin Well # 2 CG-19
Field Name Hugoton Panoma
Producing Formation Council Grove
Elevation: Ground 2954' KB 2959

Section Plat

Table with 12 columns and 12 rows representing a section plat grid. The right side of the grid is labeled with elevations from 5280 to 330. A small 'X' is marked in the grid at the intersection of the 10th row and 10th column.

RECEIVED
STATE CORPORATION COMMISSION
1-11-89
JAN 11 1989
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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
X Surface Water 3432 Ft North from Southeast Corner (Stream, pond etc.) 792 Ft West from Southeast Corner Kearney Co. Sec 14 Twp 24S Rge 35 East X West
Other (explain) Dale Unruh
(purchased from city, R.W.D. #) - Box 16, Deerfield, KS 67838

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 Kevin Hough
Title Drilling Superintendent Date 1-10-89

Subscribed and sworn to before me this 10th day of January 1989.
Notary Public Mary Alice Evenson
Date Commission Expires 9-1-89



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)
1-11-89
Form ACO-1 (5-86)

Sec 19 Twp 24 Rge 34

SIDE TWO

Operator Name Kansas Natural Gas Lease Name Hamlin Well # 2 CG-19

Sec. 19 Twp. 24S 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
Harrington	2457'	+502
Krider	2479'	+480
Winfield	2520'	+439
Ft. Riley	2572'	+387
Florence	2631'	+328
Wreford	2708'	+251
Council Grove	2730'	+229
Cottonwood	2866'	+ 93

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 1/2"	8 5/8"	24#	642'	H. C Lite	150	400# Floccel, 2% gel
Production		5 1/2"		2948'	H. C Lite	300	1/2# Floccel, 2% gel
					50/50pos	200	2% gel, 10% salt, 4/10%
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	(2781)-(2784) (2778)-(2774)			500 gallons acid		Hallide 322	
2	(2771)-(2751)			3000 BBL Gelled water		2735	
2	(2746)-(2735)			and 175,500 lbs. of		to	
	52' 80 shots			sand		2787	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2 3/8"	2808'	N/A					
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
Not producing							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	N/A	500,000 Bbls	MCF	10 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 2735.....
 Used on Lease Dually Completed 2787.....
 Commingled