

SIDE ONE

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 # 5200
Name Midlands Gas Corporation
Address P. O. Box 15640
City/State/Zip Lakewood, Colorado 80215

Purchaser KN Energy

Operator Contact Person Steve P. Hoppe
Phone (303) 987-9512

Contractor: License # 9187
Name Western Well Drilling

Wellsite Geologist None
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
3/9/85 3/11/85 4/26/85
Spud Date Date Reached TD Completion Date
1707' 1680'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 353 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. 15-023-20,228-0600
County Cheyenne
SW NE Sec. 11 Twp. 3S Rge. 42 East West

3240 Ft North from Southeast Corner of Section
2040 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

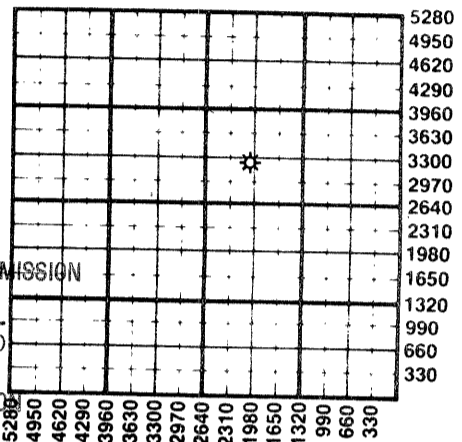
Lease Name Raile Well # 1-11

Field Name Armet Cherry Creek Niob Gas Area

Producing Formation Niobrara

Elevation: Ground 3693' KB 3698'
Section Plat

1-385
RECEIVED
MAY 03 1985
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas



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...Ft North from Southeast Corner (Stream, pond etc.)...Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain) St. Francis, Kansas (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 Steve P. Hoppe

Title Drilling and Production Engineer Date 4/30/85

Subscribed and sworn to before me this 30th day of April 1985

Notary Public [Signature]

Date Commission Expires August 23, 1987

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. 11 Twp. 3S Rge. 42W

SIDE TWO

Operator Name Midlands Gas Corporation Lease Name..... Raile Well #..... 1-11

Sec..... 11 Twp..... 3S Rge..... 42 East West County..... Cheyenne

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
Niobrara (Beecher Island Zone)	1548'	KB

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	9-7/8"	7"	20#	353'	Reg.	90	None
Production	6-1/4"	4-1/2"	9.5#	1690'	50-50 POZ	75	2% Gel
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	1558' - 1580'			449 bbls gelled water 62 tons CO ₂ 100,000# 10/20 sand			
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
None							
Date of First Production	Producing Method						
WOPL	<input checked="" 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	CAOF 433 MCF	0 Bbls		CFPB		

METHOD OF COMPLETION Production Interval

Disposition of gas: Ventured Open Hole Perforation
 Sold Other (Specify) 1558' - 1580'
 Used on Lease Dually Completed
 Commingled