

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 # 4253
Name Plains Petroleum Operating Company
Address P.O. 15278
City/State/Zip Lakewood, CO 80215

Purchaser K N Energy, Inc.

Operator Contact Person Jeff Carlson
Phone (303) 969-9325

Contractor: License # 9187
Name Western Well Drilling

Wellsite Geologist
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 OWNQ: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
2-21-87 2-28-87 12-22-87
Spud Date Date Reached TD Completion Date
2,742' 2,667'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 594 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 1300 feet depth to surf. w/ 220 SX cmt
Cement Company Name Halliburton
Invoice # 533665

API NO. 15-093-20, 873-0000
County Kearny
C NE Sec. 36 Twp. 24S Rge. 36 East
3,960 Ft North from Southeast Corner of Section
1,320 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

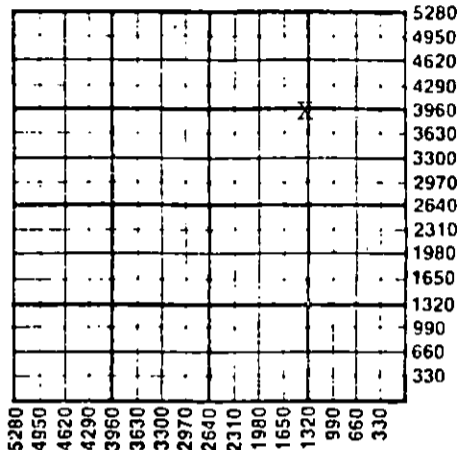
Lease Name Roderick Well # 1-I

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2983' KB 2989'

Section Plat



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: Hauled
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 Steven Moyer
(purchased from city, R.W.D. #)

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 [Signature]

Title Manager/Engineering & Production Date 1-28-88

Subscribed and sworn to before me this 28 day of January 1988

Notary Public [Signature]

Date Commission Expires 14 October 1990

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC ✓
KGS ✓
SWD/Rep Plug
NGPA
Other (Specify)
B.01 1988
CONSERVATION DIVISION
Wichita, Kansas
Form ACO-1 (5-86)

2-1-88

Sec. 36 Twp. 24S Rge. 36E

SIDE TWO

Operator Name Plains Petroleum Operating Company Lease Name Roderick Well # 1-I

Sec. 36 Twp. 24S Rge. 36 East West County Kearny

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
Glorietta	1,405'	1,508'
Base Stone Corral	--	1,870'
Chase	2,377'	2,677'
Council Grove	2,677'	NA

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	12-1/4"	8-5/8"	24#	594'	Light	160	1/4# floccul + 2% CaCl ₂
production	7-7/8"	5-1/2"	14#	2726'	Class C	125	" " " "
					Premium	180	.4% Halad 322
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
Shots Per Foot	Specify Footage of Each Interval Perforated						
6	2377-86'; 2408-19'; 2424-42'; 2460-82'; 2502-56'; 2564-606'; 2615-26'			2760 gals 7 1/2% NeFe acid 2380-624'; 102,500 gals Thix wtr 30 gel; 270,500 lbs 12/20 sd			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
Date of First Production	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
12-14-87							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	-0- Bbls	783 MCF	-0- Bbls	---	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 2,377'-2,626' OA
 Used on Lease Dually Completed
 Commingled