

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 # 5952  
Name Amoco Production Company  
Address P. O. Box 432  
City/State/Zip Liberal, Kansas 67901

Purchaser Northwest Central Pipeline

Operator Contact Person Phil Lehrman  
Phone 316-624-6241

Contractor: License # 5382  
Name Cheyenne Drilling, Inc

Wellsite Geologist N/A  
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

1-14-86 1-17-86 3-13-86  
Spud Date Date Reached TD Completion Date  
2950 2912  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 814 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. 15-093-20846-0000  
County Kearny  
C NW/4 Sec 14 Twp 24 Rge 36  East  West

3960 Ft North from Southeast Corner of Section  
3960 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

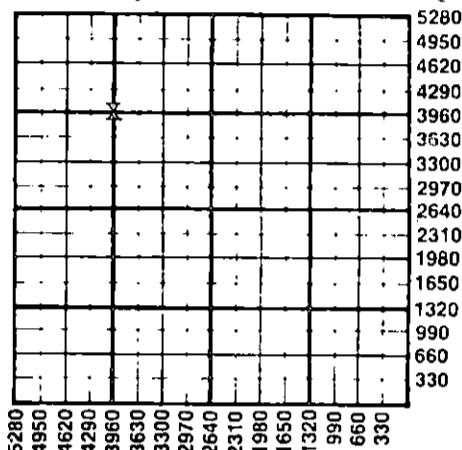
Lease Name Thomas Gas Unit/A/CG/Well # 2

Field Name Panama

Producing Formation Council Grove

Elevation: Ground 3034 KB 3043

Section Plat



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

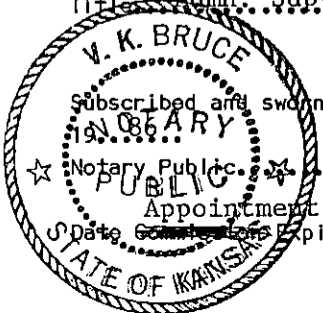
Source of Water:  
Division of Water Resources Permit #

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) Purchased From Farmer... (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 slide 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 Phil Lehrman  
Title Adm. Supvr Date 3-20-86



Subscribed and sworn to before me this 20th day of March 1986  
V. K. Bruce  
Notary Public  
Date Commission Expires 4-28-89

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)

MAR 24 1983

Section 17, Twp 24, Rge 36

SIDE TWO

Operator Name Amoco Production Company Lease Name Thomas Gas Unit/A/CG/Well #.2

Sec. 14 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

Council Grove 2684-2950

Name	Top	Bottom
Surface Hole	0	819
Sand, RedBed	819	1458
Sand	1458	1582
RedBed	1582	2010
Sand	2010	2415
Lime, Shale	2415	2950
		RTD

CASING RECORD <input 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#	814	60/50 Poz	650	2% Gel+3% CACL
Production	7-7/8"	5-1/2"	15.5#	2912	Howco Lite Neat	375 125	+1/4#/sxs Cello-seal 3% CACL 6% Bentonite
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	1536-1538			Frac with 4000 Gal Acid and 250,000# 12/20 Sand			2709-2790
				Squeeze x 400 sx Class "C"			1525'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2-3/8"		Set At 2811		Packer at N/A			
Date of First Production		Producing Method					
1-29-86		<input type="checkbox"/> Flowing <input checked="" 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
0 Bbls		591 MCF	10 Bbls	N/A	CFPB		N/A

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) Slotted Casing 2709-2790  
 Used on Lease  Dually Completed  
 Commingled