FORM MUST BE TYPED 6172 SIDE ONE PRELIMINARY COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5952
Name: Amoco Production Company
Address P.O. Box 800, Rm. 2444
City/State/Zip Denver, CO 80201
Purchaser:
Operator Contact Person: Julie Victor
Phone (303) 830-4009
Contractor: Name: Beredco Drilling
License:
Wellsite Geologist:

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover
* Oil ___ SWD ___ SIOW A Temp. Abd.
___ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: N/A
Well Name:
Comp. Date ___ Old Total Depth ___

___ Deepening ___ Re-perf. ___ Conv. to Inj/SWD
___ Plug Back ___ PBTD
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Inj?) Docket No.

11/29/91 Spud Date | 12/13/91 Date Reached TD | Delayed Completion Completion Date

API NO. 15- 093-21191
County Kearny
C - NE - NW - SW Sec. 14 Twp. 24 Rge. 37 X
2310 Feet from (S)/N (circle one) Line of Section
4290 Feet from (E)/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Hillyard Farms Well # 1
Field Name Hartland
Producing Formation Lansing "G"
Elevation: Ground 3255' KB 3266'
Total Depth 5190' PBTD 4006'
Amount of Surface Pipe Set and Cemented at 1750' Fee
Multiple Stage Cementing Collar Used? ___ Yes X N
If yes, show depth set ___ Fee
If Alternate II completion, cement circulated from ___
feet depth to ___ w/ ___ sx cmt

Drilling Fluid Management Plan A I T I
(Data must be collected from the Reserve Pit)
Chloride content 5800 ppm Fluid volume 2140 bbl
Dewatering method used dried and filled
Location of fluid disposal if hauled offsite:
Operator Name
Lease Name License No.
___ Quarter Sec. ___ Twp. ___ S Rng. ___ E/W
County ___ Docket No. ___

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorad Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period o 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 1 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 compli with and the statements herein are complete and correct to the best of my knowledge.

Signature Julie Victor
Title Permitting Representative Date 5/6/92
Subscribed and sworn to before me this 6 day of May, 19 92.
Notary Public Natalie M Hood
Date Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY
F ___ Letter of Confidentiality Attached
C ___ Wireline Log Received
C ___ Geologist Report Received
Distribution
✓ KCC ___ SWD/Rep ___ NGPA
___ KGS ___ Plug ___ Other (Specify)

STATE CORPORATION COMMISSION RECEIVED
MAY 7 1992
CONSERVATION DIVISION Wichita, Kansas

Form ACO-1 (7-91)

SIDE TWO

Operator Name Amoco Production Company Lease Name Hillyard Farms Well # 1

Sec. 14 Twp. 24 Rge. 37 ☐ East ☒ West County Kearny

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests givi interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static leve hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra she if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:

DIFL-GR-SP, ZDLC-CU-ML-GR, Minilog, Spectralog

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Heebner	3,722'	
Kansas City	4,118'	
Marmaton	4,308'	
Morrow	4,740'	
St. Genevieve	4,900'	
St. Louis	4,956'	

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#	1,750'	Class C	725	
Production	7-7/8"	5-1/2"	15.5#	4,224'	Class C	580	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
6 SPF	4014-4018'	Acidize with 700 gal. 15%	3986-90
4 SPF	4010-4012'	HCL acid	
	CIBP set at 4006' with 5 sx cement		
6 SPF	3986-3990'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
N/A				☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0		120		

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

Production Interval _____