TIGHT

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

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 PO Box 800 Room 924

City/State/Zip Denver, CO 80201

Purchaser: Williams Natural Gas

Operator Contact Person: Susan R. Potts

Phone (303) 830-5323

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Austin Garner

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

RELEASED
APR 6 1998
FROM CONFIDENTIAL

Operator: _____

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. _____

10/30/95 11/10/95 11/28/95
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21503-0000

County Seward

____-W/2-NE-SE Sec. 30 Twp. 31S Rge. 32 E X W

1980 Feet from S/N (circle one) Line of Section

990 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 Wendy Marie Well # 1-30

Field Name Thirty-One

Producing Formation Morrow

Elevation: Ground 2863.56' KB 2875'

Total Depth 5970' PBTD 5911'

Amount of Surface Pipe Set and Cemented at 1862 Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 2979 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt I 5-10-96 RO
(Data must be collected from the Reserve Pit)

Chloride content 26,000 ppm Fluid volume 4000 bbls

Dewatering method used Dried and Filled

Location of fluid disposal if hauled offsite: NCC

Operator Name _____ FEB 13

Lease Name _____ License No. _____

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W CONFIDENTIAL

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 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 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 complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Susan R. Potts

Title Senior Staff Assistant Date 2-13-96

Subscribed and sworn to before me this 13th day of February 19 96.

Notary Public _____

Date Commission Expires January 4 1997

1670 BROADWAY
DENVER, CO 80201

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)

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 15 1996
CONSERVATION DIVISION

Form ACO-1 (7-91)

SIDE TWO

Operator Name Amoco Production Company Lease Name Wendy Marie Well # 1-30

Sec. 30 Twp. 31S Rge. 32 ☐ East ☒ West County Seward

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 (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: High Resolution Induction DFL, Microlog, Spectral Density Dual Spaced Neutron Log with EVR

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

Name	Top	Datum
Stone Corral Base	1740'	KB
Chase Top	2635'	
Council Grove	2950'	
Base Heebner	4187'	
Lansing	4285'	
Kansas City	4605'	
Marmaton	4905'	
Cherokee	5090'	
Morrow	5405'	
Chester	5640'	
St. Genevieve	5690'	
St. Louis	5800'	

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	12.25"	8.625"	28	1862'	Premium Plus Light	600	2%CC+1/4#Flocele
Production-1st Stage	7.875"	5.5"	14	5955'	Premium Plus Premium	150 200	2%CC+1/4#Flocele 1%CC,7%EA-2,.6% Halad-322,15%alt, 1/4#D-Air
Production-2nd Stage	7.875"	5.5"	14	2979'	Premium Plus Light	380	1/4# Flocele

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
4	5522-5540'	N/A	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2.875" 6.5# J-55 EUE	5518'	5518'	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method				
First Gas 1/5/96	☒ Flowing	☐ Pumping	☐ Gas Lift	☐ Other (Explain)	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		5 MMCFD			

Disposition of Gas: METHOD OF COMPLETION Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 5522-5540'

☐ Other (Specify) _____