

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

GAS: ANADARKO TRADING COMPANY

Purchaser: OIL: TEXACO TRADING & TRANSPORTATION

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: NA

License: NA

Wellsite Geologist: N/A

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: FORWARD "A" NO. 3

Comp. Date 07-26-93 Old Total Depth 5650'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back 5294' PBSD  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

4-29-96 NA 5-12-96

~~Start~~ Date **OF START** Date Reached TD NA Completion Date **OF WORKOVER** 5-12-96

API NO. 15- 129-21,194-0001

County MORTON

       -        -        -        NW - SE Sec. 3 Twp. 33S Rge. 40        E

1880 Feet from N(S) (circle one) Line of Section

1680 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 FORWARD "A" Well # 3

Field Name STIRRUP

Producing Formation MORROW

Elevation: Ground 3237' KB --

Total Depth 5650' PBSD 5294'

Amount of Surface Pipe Set and Cemented at 1509 Feet

Multiple Stage Cementing Collar Used?  Yes  No  
(Correction to Original ACO-1)

If yes, show depth set FO TOOL SET AT 2719 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan REWORK JN 11-5-96  
(Data must be collected from the Reserve Pit)  
NOT APPLICABLE

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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, 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 John M. Dolan  
JOHN M. DOLAN

Title SENIOR TECHNICAL ASSISTANT Date 5/31/96

Subscribed and sworn to before me this 21st day of May 19 96.

Notary Public Freda L. Hinz KANSAS CORPORATION COMMISSION

Date Commission Expires \_\_\_\_\_

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 SWD/Rep  NGPA  
 Plug  Other (Specify)  
**RECEIVED**  
KCC  
KGS  
JUN 05 1996

**FREDA L. HINZ**  
Notary Public - State of Kansas  
My Appt. Expires 5-15-99

Form ACO-1 (7-91)  
CONSERVATION DIVISION  
WICHITA, KS

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name FORWARD "A" Well # 3

Sec. 3 Twp. 33S Rge. 40  East County MORTON  
 West

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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 (SEE ORIGINAL ACO-1 - ATTACHED)

** Original Completion 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	24.0	1509	POZ/COM	700	4%GEL 2%CC 2%CC
** PRODUCTION	7-7/8	5-1/2	15.5	5623	POZ/THICKSET	225	1/4#/SXFLO,5#/SX GIL,0.3HALAD .344
		FO TOOL		2719	POZ	160	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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
		Amount	Kind	
4	PERF 5196-5228 (ADDITIONAL PERFS TO U. MORROW)	ACIDIZE W/4000 GAL 7.5% FEHCL & FRAC W/ 36,000 GAL 70% CO2 FOAM + 56,000# 20/40 SD		5196-5228

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	5173'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 5/7/96 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	4	808	4	202,000	40.7 @ 60 DEG

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 5196-5234 OA  
 Other (Specify) \_\_\_\_\_

ATTACHMENT

ORIGINAL

FORWARD "A" NO. 3  
SECTION 3-33S-40W  
MORTON COUNTY, KANSAS

15-129-21194-0001

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1512
CHASE	2207
COUNCIL GROVE	2504
ADMIRE	2743
WABAUNSEE	2934
TOPEKA	3177
HEEBNER	3669
TORONTO	3682
LANSING	3788
KANSAS CITY	4156
MARMATON	4449
CHEROKEE	4642
MORROW	5039
U. MORROW "D"	5195
L. MORROW	5348
L. MORROW "G-2"	5408
KEYES	5484
ST. GENEVIEVE	NDE
ST. LOUIS	NDE

RECEIVED  
KANSAS CORPORATION COMMISSION

JUN 05 1996

CONSERVATION DIVISION  
WICHITA, KS

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

ORIGINAL

API NO. 15- 129-21,194

County Morton

          NW SE Sec. 3 Twp. 33S Rge. 40 X      E

Operator: License # 4549

1880 Feet from      (circle one) Line of Section

Name: Anadarko Petroleum Corporation

1680 Feet from      (circle one) Line of Section

Address P.O. Box 351

Footages Calculated from Nearest Outside Section Corner:  
NE, SE NW or SW (circle one)

City/State/Zip Liberal, KS 67905-0351

Lease Name Forward "A" Well # 3

Purchaser: Texaco Trading & Transportation

Field Name Stirrup

Operator Contact Person: J. L. Ashton

Producing Formation Morrow

Phone (316) 624-6253

Elevation: Ground 3237 KB NA

Contractor: Name: Gabbert-Jones, Inc.

Total Depth 5650 PBTB 5290

License: 5842

Amount of Surface Pipe Set and Cemented at 1509 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used?      Yes X No

Designate Type of Completion

If yes, show depth set      Feet

X New Well      Re-Entry      Workover

If Alternate II completion, cement circulated from     

X Oil      SWD      SIOW      Temp. Abd.

feet depth to      w/      sx cnt.

     Gas      ENHR      SIGW

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

     Dry      Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Chloride content 800 ppm Fluid volume 5000 bbls

Operator:     

Dewatering method used Natural evaporation

Well Name:     

Comp. Date      Old Total Depth     

Location of fluid disposal if hauled offsite:     

     Deepening      Re-perf.      Conv. to Inj/SWD

Operator Name     

     Plug Back      PBTB

Lease Name      License No.     

     Commingled      Docket No.     

     Quarter      Sec.      Twp.      S Rng.      E/W

     Dual Completion      Docket No.     

County      Docket No.     

     Other (SWD or Inj?) Docket No.     

4-20-93 4-30-93 7-26-93

Spud Date      Date Reached TD      Completion Date     

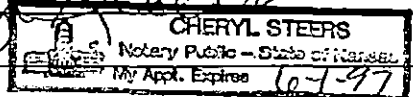
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period 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 Beverly J. Williams  
Title Technical Assistant Date 8-17-93

Subscribed and sworn to before me this 17th day of August 1993.

Notary Public Cheryl Steers  
Date Commission Expires 6-1-97



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  
JUN 5 1996

Operator Name Anadarko Petroleum Corporation Lease Name Forward A" Well # 3

Sec. 3 Twp. 33S Rge. 40  East  West County Morton

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attachment		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:				

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#	1509	Pozmix & Common	700	4% total gel, 2% cc
Production	7 7/8	5 1/2	15.50#	5623	Pozmix & Thickset	225	1/2#/sx flocele, 5#/sx gilsonite, 0.3# ad
		FO TOOL		2719	Pozmix	160	

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> 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	
	2	5408-56	Set CIBP at 5290	A/5000 gals 7 1/2% HCL acid + 125 BS F/65,500 gals 40# x-linked gelled 2% KCL wtr & 182,600# 16/30 sd.
6	5228-34		A/1500 gals 7 1/2% HCL acid	5228-34

TUBING RECORD Size 2 3/8 Set At 5238 Packer At - Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 7-17-93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>91</u>	Gas Mcf <u>304</u>	Water Bbls. <u>1.5</u>	Gas-Oil Ratio <u>3340</u>	Gravity <u>34.1 API</u>
-----------------------------------	---------------------	--------------------	------------------------	---------------------------	-------------------------

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 5228-34