

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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
Purchaser: NATIONAL CO-OPERATIVE REFINERY
Operator Contact Person: J. L. ASHTON
Phone (316) 624-6253
Contractor: Name: NA
License: NA
Wellsite Geologist: NA
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:
Operator: ANADARKO PETROLEUM CORPORATION
Well Name: USA "K" NO. 2
Comp. Date 12/9/92 Old Total Depth 5680'
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.
5/08/96 NA 5/28/96
~~Start~~ Date of **START** Date Reached TD Completion Date of **WORKOVER**
OF WORKOVER **WORKOVER**

API NO. 15- 129-21,144-0001
County MORTON
- C - SW - SW Sec. 2 Twp. 33S Rge. 40 X W E
660 Feet from S (circle one) Line of Section
660 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)
Lease Name USA "K" Well # 2
Field Name STIRRUP
Producing Formation MORROW "D"
Elevation: Ground 3271.4' KB --
Total Depth 5680' PBSD 5524'
Amount of Surface Pipe Set and Cemented at 1547 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2622 Feet
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Drilling Fluid Management Plan **REWORK 8/2 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 7/12/96
Subscribed and sworn to before me this 12th day of July
1996.
Notary Public L. Marc Harvey
Date Commission Expires 6-12-99



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
KANSAS CORPORATION COMMISSION
Distribution
 KCC SWD/Rep 100 NGPA
 KGS BUE 17-19-96 Other
(Specify)
7-17-96
CONSERVATION DIVISION
WICHITA, KS

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA "K" Well # 2

Sec. 2 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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample Name Top Datum (SEE ORIGINAL ACO-1 - ATTACHED)
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** 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	1547'	POZ&COMMON	725	2%CC,4%GEL/2%CC
** PRODUCTION	7-7/8"	5-1/2"	15.5	5591'	POZ&THIXSET PREMIUM "H"	310	1/4#/SX FLOC 5#/SX GILSONITE
		FO TOOL		2622'	POZMIX	160	.03% HALAD 34 2% CC

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
4	PERF 5240'-5276' (ADDIT. PERFS TO MORROW "D")	ACIDIZE W/4500 GAL 7.5% FEHCL, FRAC W/ 19000 GAL 40# GEL + 112000# 20/40 SAND	5240'-5281'
4	5276' - 5281'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	5279'	--	

Date of First, Resumed Production, SWD or Inj. <u>5/25/96</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil 58 Bbls.	Gas 372 Mcf	Water 4 Bbls.	Gas-Oil Ratio 6,414	Gravity 40.5 @ 60 DEG
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 5240'-5281'

Other (Specify) _____

ORIGINAL

ATTACHMENT

15-129-21144

USA "K" No. 2
Section 2-33S-40W
Morton County, Kansas

<u>NAME</u>	<u>TOP</u>
B/Stone Corral	1560
Chase	2254
Krider	2282
Winfield	2325
Towanda	2383
Ft. Riley	2447
Florence	2494
Council Grove	2552
Admire	2802
Wabaunsee	2986
Topeka	3228
Heebner	3716
Toronto	3728
Lansing	3812
Kansas City	4200
Marmaton	4490
Cherokee	4644
Morrow	5080
Morrow "D" Top	5240
Morrow "D" Base	5282
L. Morrow	5391
Keyes	5519
Ste. Genevieve	5612
TD	5680

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 17 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

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, Kansas 67905-0351

Purchaser: _____

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Norseman Drilling, Inc.

License: 03779

Wellsite Geologist: NA

Designate Type of Completion

New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SVD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SVD or Inj?) Docket No. _____

11-3-92 11-13-92 12-9-92
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21144

County Morton

C - SW - SW Sec. 2 Twp. 33S Rge. 40 X W

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

660 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 USA "K" Well # 2

Field Name Stirrup

Producing Formation Morrow

Elevation: Ground 3271.4 KB NA

Total Depth 5680 PBTB 5524

Amount of Surface Pipe Set and Cemented at 1547 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

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

Chloride content 1000 ppm Fluid volume 7000 bbls

Dewatering method used Natural Evaporation

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 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. **MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all plugged 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.

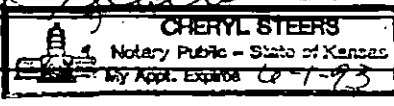
JUL 17 1996

Signature Beverly J. Williams
Title Engineering Technician Date 1-4-92

Subscribed and sworn to before me this 4th day of January, 1992.

Notary Public Cheryl Steers

Date Commission Expires _____



K.C.C. OFFICE USE ONLY - DIVISION		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/>	KCC	<input type="checkbox"/>
<input type="checkbox"/>	KGS	<input type="checkbox"/>
<input type="checkbox"/>	SVD/Rep	<input type="checkbox"/>
<input type="checkbox"/>	Plug	<input type="checkbox"/>
<input type="checkbox"/>	NGPA	<input type="checkbox"/>
<input type="checkbox"/>	Other	<input type="checkbox"/>
(Specify)		

Operator Name Anadarko Petroleum Corporation Lease Name USA "K" Well # 2

Sec. 2 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 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 Datum Sample

Name Top Datum

SEE ATTACHMENT

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	1547	Pozmix & Common	725	4% gel 2% cc 2% cc
Production	7 7/8	5 1/2	15.50	5591	Pozmix & Thixset	310	1/2#/sx Flocele 5#/sx gilsonite
		FO TOOL		2622	Pozmix	160	.03% Halad 34 2% cc

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
4	5276-5281	1/600 gals 7 1/2% fe acid	5276-81

TUBING RECORD size 2 3/8 Set At 5267 Packer At - Liner Run Yes No

Date of First, Resumed Production, SUD or Inj. 12-9-92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil 67 Bbls. Gas 339 Mcf Water - Bbls. Gas-Oil Ratio 5059 Gravity 41.2

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHODS OF COMPLETION

Open Hole Perf. Dually Comp. Cemented 5276-81

Other (Specify) _____