

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 "1" NO. 4

Comp. Date 2/21/93 Old Total Depth 5700'

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

4/30/96 NA 5/16/96
Spud Date **OF START** Date Reached TD **Completion Date OF**
OF WORKOVER **WORKOVER**

API NO. 15- 129-21,167-0001

County MORTON

- - NW - NW Sec. 3 Twp. 33S Rge. 40 X W

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

960 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 "1" Well # 4

Field Name STIRRUP

Producing Formation MORROW "D"

Elevation: Ground 3241' KB --

Total Depth 5700' PBDT 5356'

Amount of Surface Pipe Set and Cemented at 1497' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2734' Feet

If Alternate II completion, cement circulated from _____

From depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REWORK JW 1-22-97
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. _____

RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KS
JUL 15 1996
7-15-96

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 7/11/96

Subscribed and sworn to before me this 11th day of July
19 96

Notary Public L. Marc Harvey
L. MARC HARVEY
Notary Public - State of Kansas
My Appl. Expires 6-12-99

Date Commission Expires _____

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)

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA "1" Well # 4

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 (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	1497'	POZ&CLASS"HI"	700	2%CC,4%GEL/2%CC
** PRODUCTION	7-7/8"	5-1/2"	15.5	5437'	POZ&THIXSET PREMIUM "HI"	205	1/4#/SX FLOC 5#/SX GILSONITE
		DV TOOL		2734'	POZMIX	130	

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. 5230'-5258' (ADDIT. PERFS TO MORROW "D")		ACIDIZE W/4500 GAL 7.5% FEHCL, FRAC W/ 18000 GAL 40# GEL + 112000# 20/40 SAND	5230'-5272'
TUBING RECORD		Size 2-7/8"	Set At 5220'	Packer At --	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj. 5/14/96		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 55 Bbls.	Gas 701 Mcf	Water 19 Bbls.	Gas-Oil Ratio 12,745	Gravity 35.2 @ 60 DEG

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: 5230'-5272'

ORIGINAL

ATTACHMENT

USA "I" NO. 4
SECTION 3-33S-40W
MORTON COUNTY, KANSAS

15-129-21167-0001

<u>NAME</u>	<u>TOP</u>
B/STONE CORRAL	1514
CHASE	2206
COUNCIL GROVE	2503
ADMIRE	2740
WABAUNSEE	2934
TOPEKA	3177
HEEBNER	3674
TORONTO	3689
LANSING	3794
KANSAS CITY	4166
MARMATON	4464
CHEROKEE	4656
MORROW	5060
MORROW "A"	5086
MORROW "D"	5230
L/MORROW	5382
KEYES	5510
ST. GENEVIEVE	5622
TD	5700

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

API NO. 15- 129-21,167
County Morton **ORIGINAL**
 - - NW - NW Sec. 3 Twp. 33S Rge. 40 X W

Operator: License # 4549

Name: Anadarko Petroleum Corporation

Address P. O. Box 351

City/State/Zip Liberal, KS 67905-0351

Purchaser: Phibro Energy, Inc.

Operator Contact Person: J. L. Ashton

Phone (316) 624-6253

Contractor: Name: Norseman Drilling, Inc.

License: 3779

Wellsite Geologist: NA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD S10W 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/SWD
- Plug Back PSTD
- Commingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Inj?) Docket No. _____

1-14-93 1-22-93 2-21-93
Spud Date Date Reached TD Completion Date

810 Feet from S (circle one) Line of Section

960 Feet from E (circle one) Line of Section

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

Lease Name USA "I" Well # 4

Field Name Stirrup

Producing Formation Morrow "D"

Elevation: Ground 3241 KB NA

Total Depth 5700 PSTD 5356

Amount of Surface Pipe Set and Cemented at 1497 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 800 ppm Fluid volume 5000 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. 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 Engineering Technician Date 4-15-93

Subscribed and sworn to before me this 15th day of April 1993.

Notary Public Cheryl Steers

Date Commission Expires _____

OA
CHERYL STEERS
Notary Public - State of Kansas
My Appt. Expires 6-1-93

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution:
KCC _____ SWD/REP _____ NGPA _____
KCS _____ Plug _____ Other _____
(Specify)

Operator Name Anadarko Petroleum Corporation Lease Name USA "I" Well # 4

Sec. 3 Typ. B3S 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.) Log Formation (Top), Depth and Datum Sample

Samples Sent to Geological Survey Yes No Name Top Datum

Cores Taken Yes No SEE ATTACHMENT

Electric Log Run (Submit Copy) Yes No

List All E.Logs Run:

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	1497	Pozmix & Class "H"	700	2% cc 4% gel 2% cc
Production	7 7/8	5 1/2	15.50	5437	Pozmix & Thixset Prem H	205	1/2% sx flocele 5/8% sx gilsonite 0.3 Halad 344
		DV TOOL		2734	Pozmix	130	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	5258-72	A/50 gal 7 1/2% HCL acid/ft.	
		Total acid 700 gals. A/1400 gals 7 1/2% acid.		

TUBING RECORD Size 2 7/8 Set At 5226 Packer At - Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 2-13-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	158	79	0	500	35.3

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 5258-5272