

FORM MUST BE TYPED

8-7-2001
LB

SIDE ONE

9-18-2001

ORIGINAL

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

CONFIDENTIAL

API NO. 15- 189-27337-0001
County STEVENS
70' N & 80' W OF _____ E
- C - NE - SW Sec. 30 Twp. 32 Rge. 38 X W

Operator: License # 4549

2050 Feet from S/X (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1900 Feet from X/W (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, KANSAS 67905-0351

Lease Name SHAFFER "D" Well # 2

Purchaser: ANADARKO ENERGY SERVICES

Field Name WILDCAT

Operator Contact Person: SHAWN D. YOUNG

Producing Formation MORROW

Phone (316) 624-6253

Elevation: Ground 3202 KB --

Contractor: Name: NA

Total Depth 6400 PBDT 6240

License: NA

Amount of Surface Pipe Set and Cemented at 1670 Feet

Wellsite Geologist: NA

Multiple Stage Cementing Collar Used? X Yes No

Designate Type of Completion
 New Well Re-Entry X Workover

If yes, show depth set 3075 Feet

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

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover:

Drilling Fluid Management Plan OWNED 4/5/01 LB
(Data must be collected from the Reserve Pit)
NOT APPLICABLE

Operator: ANADARKO PETROLEUM CORPORATION

Chloride content _____ ppm Fluid volume _____ bbls

Well Name: SHAFFER D-2

Dewatering method used _____

Comp. Date 7-10-2000 Old Total Depth 6400

Location of fluid disposal if hauled offsite:
12-7-00

 Deepening X Re-perf. Conv. to Inj/
X Plug Back 6240 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

9-13-2000 -- 9-22-2000
Spud Date Date Reached TD Completion Date

RECEIVED
STATE CORPORATION COMMISSION
OCT 7 2000

CONSERVATION DIVISION
Wichita, Kansas

Recompletion

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 Shawn D. Young
Title DIVISION PRODUCTION ENGINEER Date 10/4/02

Subscribed and sworn to before me this 4th day of December 192002

Notary Public Shirley J. Childers

Date Commission Expires 11/14/02

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)

NOTARY PUBLIC - State of Kansas
SHIRLEY J. CHILDERS
My Appt. Exp. 11/14/02

X

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SHAFFER "D" Well # 2

Sec. 30 Twp. 32 Rge. 38 East County STEVENS 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.) 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:

Log Formation (Top), Depth and Datums Sample
Name Top Datum

SEE ATTACHED ORIGINAL ACO-1

CONFIDENTIAL
JUN 10 1963
KOC

** Original Completion		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"	24.0	1670		520	
** PRODUCTION	7-7/8"	5-1/2"	15.5	6385		565	
** CONDUCTOR	17-1/2"	13-3/8"	DV TOOL @ 40.0	5308 547		50 290	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	6025		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method		
RESUMED: 9-16-2000		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil 11 Bbls.	Gas 30 Mcf	Water 29 Bbls.	Gas-Oil Ratio 2727.2727 Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled 5886-6012 OA

Other (Specify) _____

Production Interval _____

8-7-2001

SIDE ONE

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

COPY 189-22337-0000
County STEVENS
70' N & 80' W OF:
C - NE - SW Sec. 30 Twp. 32S Rge. 38 X W

Operator: License # 4549 **CONFIDENTIAL**

2050 Feet from X (S) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

1900 Feet from X (N) (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, KANSAS 67905-0351

Lease Name SHAFFER "D" Well # 2

Purchaser: NATIONAL COOPERATIVE REFINING ASSOCIATION

Field Name WILDCAT **SEP 18 2001**

Operator Contact Person: SHAWN YOUNG **KCC**

Producing Formation MORROW **FROM CONFIDENTIAL**

Phone (316) 624-6253

Elevation: Ground 3202 KB _____

Contractor: Name: BIG "A" DRILLING **AUG 07 2001**

Total Depth 6400 PBD 6000

License: 31572 **CONFIDENTIAL**

Amount of Surface Pipe Set and Cemented at 1670 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? X Yes _____ No

Designate Type of Completion

If yes, show depth set 3075 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 cmt.

_____ Gas _____ ENHR _____ SIGW
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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

Operator: _____

Chloride content 4200 ppm Fluid volume 700 bbls

Well Name: _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

_____ Deepening _____ Re-perf. _____ Conv. to Inj _____

_____ Plug Back _____ PBD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

5/9/2000 5/31/2000 7/10/2000
Spud Date Date Reached TD Completion Date

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 L. Marc Harvey
L. MARC HARVEY
Title DRILLING TECHNICAL ASSISTANT Date 8-7-2000

Subscribed and sworn to before me this 7th day of August
20 01.

Notary Public Shirley J Childers
Date Commission Expires _____

NOTARY PUBLIC - State of Kansas
SHIRLEY J. CHILDERS
My Appt. Exp. 11/14/02

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)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name SHAFFER Well # 2

Sec. 30 Twp. 32S Rge. 38 East West County STEVENS

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: CBL-CCL-GR, DIL, CNL-LDT, ML, LS SONIC.

Name	Top	Datum
CHASE	2434	
COUNCIL GROVE	2761	
B/HEEBNER	3988	
MARMATON	4756	
MORROW	5524	
CHESTER'S	6028	
STE. GENEVIEVE	6144	
ST. LOUIS	6226	

CASING RECORD							
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
CONDUCTOR	17-1/2"	13-3/8"	40.0	547	CLASS C/C.	190/100	3D29, 2D46, .5D29/2S1, .25D29.
SURFACE	12-1/4"	8-5/8"	23.0	1670	CLASS C/C.	420/100	3D29, 2D46, .5D29/2S1, .25D29.
PRODUCTION	7-7/8"	5-1/2"	15.5 DV TOOL @	6385 5308	50/50 POZ/ P+ MIDCON	275/ 290/ 50	1) 10% SALT, 4% CALSEAL .75% H322, 1/4#/SK CF/ 2) 2CC, 1/2#/SK CF/ 2CC, 1/4#/SK CF.

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	1670-1852	CLASS C	100/50	3%D79, .2%D46/3%S1.
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	1670-2088	CLASS C	100/50	NEAT/3%CC.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	6250-60, CIBP @ 6240.			
4	6005-12, CMT RET @ 6000.			
6	5886-96.		ACID: 1000 GAL 7-1/5% HCL.	5886-96.
			FRAC: 25000 GAL GEL & 72000# 16/30 SD.	5886-96.
TUBING RECORD	Size 2 7/8"	Set At 5896	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 7/13/2000	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 50 Bbls.	Gas 59 Mcf	Water 93 Bbls.	Gas-Oil Ratio 1180 Gravity 42.5

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: 5886-96.