

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

API NO. 15- 189-21,344-0001

County STEVENS

- - SE - SE Sec. 15 Twp. 33S Rge. 39 X E W

1250 Feet from (S)N (circle one) Line of Section

1250 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 CHRISTOPHER "A" Well # 1

Field Name DEMUTH

Producing Formation KEYES

Elevation: Ground 3220' KB --

Total Depth 6550' PBTB 6470' ACO-1)

Amount of Surface Pipe Set and Cemented at 6547 Feet

Multiple Stage Cementing Collar Used? X Yes      No

(Correction to Orig. Original ACO-1) Feet

If yes, show depth set 2840 Original ACO-1) Feet

If Alternate II completion, cement circulated from     

feet depth to      w/      sx cmt.

Drilling Fluid Management Plan REWORK 9/24 3-1-96  
(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.     

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P.O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO TRADING COMPANY

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 X Workover

     Oil      SWD      SLOW      Temp. Abd.

X Gas      ENHR      SIGW

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

If Workover:

Operator: ANADARKO PETROLEUM CORPORATION

Well Name: CHRISTOPHER "A" NO. 1

Comp. Date 8/01/89 Old Total Depth 6550'

     Deepening X Re-perf.      Conv. to Inj/SWD

     Plug Back      PBTB

     Commingled      Docket No.     

     Dual Completion      Docket No.     

     Other (SWD or Inj?)      Docket No.     

1/04/96 NA 1/17/96

Spud Date of START Date Reached TD Completion Date of WORKOVER

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 2/20/96

Subscribed and sworn to before me this 20<sup>th</sup> day of February 19 96.

Notary Public Freda L. Hinz

Date Commission Expires     

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

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 CHRISTOPHER "A" Well # 1  
 Sec. 15 Twp. 33S Rge. 39  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.) <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:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:30%;">Log</th> <th style="width:40%;">Formation (Top), Depth and Datums</th> <th style="width:30%;">Sample</th> </tr> <tr> <td></td> <td align="center">Name</td> <td align="center">Datum</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>CHASE GROUP</td> <td align="right">2468</td> </tr> <tr> <td></td> <td>COUNCIL GROVE</td> <td align="right">2780</td> </tr> <tr> <td></td> <td>TOPEKA</td> <td align="right">3478</td> </tr> <tr> <td></td> <td>HEEBNER</td> <td align="right">4022</td> </tr> <tr> <td></td> <td>LANSING</td> <td align="right">4206</td> </tr> <tr> <td></td> <td>MARMATON</td> <td align="right">4858</td> </tr> <tr> <td></td> <td>MORROW</td> <td align="right">5648</td> </tr> <tr> <td></td> <td>L. MORROW G</td> <td align="right">6028</td> </tr> <tr> <td></td> <td>KEYES</td> <td align="right">6075</td> </tr> <tr> <td></td> <td>CHESTER</td> <td align="right">6128</td> </tr> <tr> <td></td> <td>STE. GENEVIEVE</td> <td align="right">6230</td> </tr> <tr> <td></td> <td>ST. LOUIS</td> <td align="right">6392</td> </tr> </table>	Log	Formation (Top), Depth and Datums	Sample		Name	Datum	<input checked="" type="checkbox"/>	CHASE GROUP	2468		COUNCIL GROVE	2780		TOPEKA	3478		HEEBNER	4022		LANSING	4206		MARMATON	4858		MORROW	5648		L. MORROW G	6028		KEYES	6075		CHESTER	6128		STE. GENEVIEVE	6230		ST. LOUIS	6392
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used <span style="float:right">** ORIGINAL COMPLETION</span>							
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	1677'	POZMIX/COMMON	600/200	4%GEL2%CC/2%CC
** PRODUCTION	7-7/8 "	4-1/2"	10.5	5279'	LITE POZ/ "H"	75/275	6%GEL1/2#/SK FLO /5%KCL1/4#/SKFLO
** (DV TOOL)				2840'	LITE POZ	100	6% GEL

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
	CIBP @ 6470', NOT 6450' (CORRECTION TO ORIGINAL	ACO-1)
4	PERFORATE 6075-79, 6089-97 <u>6100'-6108'</u>	ACIDIZE W/1900 GAL 7.5% FEHCL 6075-6108 OA
	(ADDITIONAL PERFS TO KEYES)	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	6074'	--	

Date of First, Resumed Production, SWD or Inj. 1/10/96	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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	147	9	--	--

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

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Commingled 6075-6108 O.A.

Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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

API NO. 15-189-2-344

County... Stevens

..... SE. SF. Sec. 15. Twp. 33S. Rge. 39. East  
..... West

1250..... Ft North from Southeast Corner of Section  
1250..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

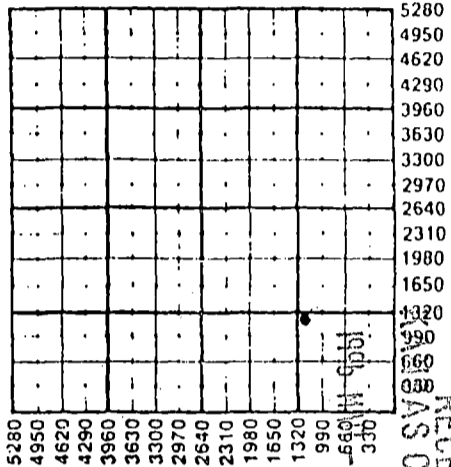
Lease Name... CHRISTOPHER "A" Well #... 1

Field Name... Demuth

Producing Formation... Keyes Sand

Elevation: Ground... 3220... KB... 3234

Section Plat



5280  
4950  
4620  
4290  
3960  
3630  
3300  
2970  
2640  
2310  
1980  
1650  
1320  
990  
660  
330

WATER SUPPLY INFORMATION

Disposition of Produced Water: \_\_\_\_\_ Disposal  
Docket # \_\_\_\_\_ Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #.....

Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West

X Other (explain) supplied by contractor.....  
(purchased from city, R.W.D. #)

Operator: License # 4549  
Name Anadarko Petroleum Corporation  
Address P.O. Box 351  
City/State/Zip Liberal, KS 67905-0351

Purchaser NA - Waiting on pipeline connection

Operator Contact Person M. L. Pease  
Phone (316) 624-6253

Contractor: License # 5842  
Name Gabbert-Jones, Inc.

Wellsite Geologist Robert W. Acree  
Phone (303) 595-3326

Designate Type of Completion  
X New Well Re-Entry Workover  
Oil SWD Temp Abd  
X Gas Inj Delayed Comp.  
Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable

6/17/89 6/30/89 8/1/89  
Spud Date Date Reached TD Completion Date

6550' 6450'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1677 feet  
Multiple Stage Cementing Collar Used? X Yes No  
If yes, show depth set 2882 feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name Halliburton Services  
Invoice # 803010

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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.

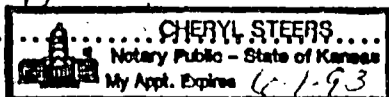
Signature M. L. Pease

Title Division Production Manager Date 8/22/89

Subscribed and sworn to before me this 28th day of August 1989

Notary Public Cheryl Steers

Date Commission Expires



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)

Sec. Twp. Rge.

Operator Name Anadarko Petroleum Corporation Lease Name CHRISTOPHER "A" Well # .....

Sec. 15 Twp. 33S Rge. 39  East  West County Stevens

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Sand-Clay-Redbed	0	507
Redbed-GYP	507	1150
Redbed-GYP-Sand	1150	1477
GYP-Redbed	1477	1540
GYP-Redbed-ANHY	1540	1680
Shale	1680	1935
Shale-Lime	1935	2300
Lime-Shale	2300	6550
TD	6500	

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	1677	1 See Below		
Production (DV Tool)	7 7/8	4 1/2	11.6	6547	2 See Below		
				2882	Liteweight	100	6% Gel

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	St. Louis 6504-10 Non Commercial	Acid w/1700 g...15% FeHCL Set CIRP above St. Louis	6540-10 6450
4	Keyes 6100-08	Natural	6100-08

TUBING RECORD

Size 2 3/8" Set At 6090 Packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	1 Bbls	1000 MCF	2 Bbls	1000000 CFPB	45

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold waiting on pipeline connection  Other (Specify) ..... 6100-6108  
 Used on Lease

Dually Completed  
 Commingled

- 8 5/8" cmt with 600 sxs 50/50 Poz, 4% gel, 2% cc. + 200 sxs common, 2% cc. Cmt annulus with 150 sxs common down 1" tbg.
- 4 1/2" cmt with 75 sxs lightweight 65/35 Poz, 6% gel, 1/2#/sx Flocele + 275 sxs Thixset