

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

API No. 15- 129-21567-00-00
County MORTON
210' N OF _____ E
SW - SW - NW Sec. 21 Twp. 33 Rge. 39 X W

Operator: License # 4549

2100 Feet from (X) (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

330 Feet from (W) (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name KU ENDOWMENT "G" Well # 1

Purchaser: ANADARKO ENERGY SERVICES

Field Name WILDCAT

Operator Contact Person: DAVID W. KAPPLF

Producing Formation LANSING

Phone (316) 624-6253

Elevation: Ground 3240.1 KB _____

Contractor: Name: BIG "A" DRILLING

Total Depth 6532 PBDT 4648

License: 31572

Amount of Surface Pipe Set and Cemented at 1706 Feet

Wellsite Geologist: _____

Multiple Stage Cementing Collar Used? X Yes _____ No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover 21 1998

If yes, show depth set 3304 Feet

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

If Alternate II completion, cement circulated from _____

If Workover:

feet depth to _____ w/ _____ sx cmt.

Operator: _____

Drilling Fluid Management Plan AH. 1, 11-18-98 U.C.
(Data must be collected from the Reserve Pit)

Well Name: _____

Chloride content 1900 ppm Fluid volume 700 bbls

Comp. Date _____ Old Total Depth _____

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

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

Location of fluid disposal if hauled offsite: _____

8-16-98 8-26-98 9-16-98
Spud Date Date Reached TD Completion Date

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

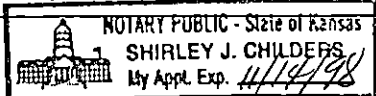
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 10-20-98

Subscribed and sworn to before me this 20th day of October
19 98.

Notary Public Shirley Childers
Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C 2 Wireline Log Received
C _____ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other
(Specify)

Operator Name **ANADARKO PETROLEUM CORPORATION** Lease Name **KU ENDOWMENT "G"** Well # **1**

Sec. **21** Twp. **33** Rge. **39** 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	WINFIELD	2524	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	COUNCIL GROVE	2790	
List All E.Logs Run: CBL-CCL-GR, DIL, MSFL, CNL-LDT, SONIC.		WABAUNSEE	3204	
		TORONTO	4012	
		LANSING	4093	
		MARMATON	4758	
		CHEROKEE	5038	
		MORROW	5598	
		STE. GENEVIEVE	6205	
		ST. LOUIS	6348	

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"	23.0	1706	CLASS C/ CLASS C.	335/100	3%D79, .2%D46, %SK CF/ 2%CC, %SK CF.
PRODUCTION	7-7/8"	5-1/2"	15.5	4699	50/50 POZ. CLASS C/ CLASS C.	90	2%D20, 10%D44, .75% D60, .2%D46, %SK CF. 3%D79, .2%D46, %SK CF/2%D20, %SK CF.
			FD TOOL @	3304		70/50	

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	
		Amount	Depth
2	4518-4530.	ACID: 1200 GAL 15% FeHCl.	4518-4530.

TUBING RECORD	Size 2-3/8"	Set At 4494	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 9-30-98		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 Bbls.	Gas 1400 Mcf	Water 24 Bbls.	Gas-Oil Ratio Gravity

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: 4518-4530

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

No. 10928

Well Name & No. <u>KU Endowment 16" #1</u>	Test No. <u>1</u>	Date <u>8-24-98</u>
Company <u>Anadarko Pet. Inc.</u>	Zone Tested <u>Upper Moccasin</u>	
Address <u>P.O. Box 357 Liberal KS 67905-0351</u>	Elevation <u>3250</u> KB <u>3240</u> GL	
Co. Rep / Geo. <u>ED Griwes</u>	Cont. <u>Big 1" #2</u>	Est. Ft. of Pay <u>9</u> Por. <u>10</u> %
Location: Sec. <u>21</u> Twp. <u>37S</u> Rge. <u>39W</u> Co. <u>Morton</u> State <u>KS.</u>		
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
		Evaluation (Y, N) _____

Interval Tested <u>5768 - 5806</u>	Initial Str Wt./Lbs. <u>90000</u>	Unseated Str Wt./Lbs. <u>96000</u>
Anchor Length <u>38'</u>	Wt. Set Lbs. <u>55000</u>	Wt. Pulled Loose/Lbs. <u>135000</u>
Top Packer Depth <u>5763</u>	Tool Weight <u>4800</u>	
Bottom Packer Depth <u>5768</u>	Hole Size — <u>7 7/8"</u> <u>X</u>	Rubber Size — <u>6 3/4"</u> <u>X</u>
Total Depth <u>5806</u>	Wt. Pipe Run _____	Drill Collar Run <u>620</u>
Mud Wt. <u>9.1</u> LCM <u>4</u> Vis. <u>42</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 x 0</u>	Ft. Run <u>5134</u>
Blow Description <u>Packer Failure</u>	<u>(Mis Run)</u>	

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>710</u>	<u>Only mud</u>		
Rec. _____ Feet Of _____		%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____		%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____		%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____		%gas _____ %oil _____ %water _____ %mud _____	

BHT 126 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud <u>2763</u> <u>2898</u> PSI	Recorder No. <u>3227</u>	T-Started <u>7:45 pm</u>
(B) First Initial Flow Pressure _____ PSI	(depth) <u>5772</u>	T-Open <u>10:15 pm</u>
(C) First Final Flow Pressure _____ PSI	Recorder No. <u>10993</u>	T-Pulled <u>10:35 pm</u>
(D) Initial Shut-in Pressure _____ PSI	(depth) <u>5803</u>	T-Out <u>1:30 am</u>
(E) Second Initial Flow Pressure _____ PSI	Recorder No. _____	
(F) Second Final Flow Pressure _____ PSI	(depth) _____	
(G) Final Shut-in Pressure _____ PSI	Initial Opening _____	Test <u>Conventional</u>
(H) Final Hydrostatic Mud <u>2674</u> <u>2792</u> PSI	Initial Shut-in _____	Jars <u>✓</u>
<u>APIG</u> <u>AK-1</u>	Final Flow _____	Safety Joint <u>✓</u>
	Final Shut-in _____	Straddle _____
		Circ. Sub <u>✓ M/C</u>
		Sampler <u>✓</u>
		Extra Packer _____
		Elect. Rec. <u>✓</u>
		Other <u>✓ 2 Shale Pickers</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONAL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Ed Griwes

Schlumberger		Dowell												
Cement Job Report														
JOB TYPE:	8 5/8" Surface	DS INVOICE#:		SERV SUPV:	Charley King									
CUSTOMER:	Anadarko Petroleum Corp.	SERVICE DATE:	Aug 17 1998											
WELL NAME:	KU endowment G-1	DRLG CONTR:	Big "A" Drilling Rig#2											
DISTRICT:	Ulysses, KS	SEC-TWP-RNG	SEC:21 T:33 R:39	COUNTY, ST.	Morton County, Kansas									
SIZE & TYPE OF PLUGS		CASING HARDWARE:			PHYSICAL SLURRY PROPERTIES									
Top:	8 5/8" Rubber	4 Centralizers, 1 cement basket			Slurry Wt.	Slurry Yield	Water GPS	Pump Time	Bbl Slurry	Bbl Wtr.				
Btm:		1 top plug, 1 guide shoe, 1 auto fill insert			PPG	Ft3		Hr/Min						
MATERIALS FURNISHED BY DS														
No. Sks.	Additives													
335	C + 3% D79 + 0.2 % D46 + 1/4 pps D29 (3% Extender, .2% Antifoaming Agent & 1/4 pps celloflake)				11.1	3.2	20.3		191	162				
100	C + 2 % S1 + 1/4 pps D29 (2%CC, 1/4 pps Celloflake)				14.8	1.34	6.36		24	15				
									TOTAL	215	177			
HOLE			TBG-CSG-D.P.				TBG-CSG-D.P.				COLLAR DEPTHS			
Size	%Excess	Depth	Size	Wt	Type	Depth	Size	Wt	Type	Depth	Shoe	Float	Stage	
12 1/4 "		1706	8.63	24		1706								
LAST CASING			PKR-CMT RET- BR PL-LINER				PERF DEPTH		TOP CONN		WELL FLUID			
Size	Wgt	Type	Depth	Brand & Type			Depth	Top	Btm	Size	Thrds	Type	Wgt	
CALC DISP VOL-Bbls				CALC PSI		CALC MAX PSI		MAX TBG PSI		MAX CSG PSI		DISP FLUID		WTR
Tbg	Csg	Csg	Tot	To Bump Plug		To Rev		Rated	Op	Rated	Op	Type	Wgt	SRCE
	109		109	670		0								rig
Notes, Explanation of Trouble, Setting Tool, Running Casing, Etc.														
Pressure Rate Detail								EXPLANATION						
TIME:	PRESSURE-PSI		RATE	BBI FLUID		TOTAL	FLUID							
Hr/Min	Pipe	Annulus	BPM	PUMPED		PMPD	TYPE							
						0								
23:00						0								
4:51	243.9		6.571	180		180								
5:23	0		0	24		204								
5:23	0		5.5	0		204								
5:48	673		0	112.9		316.9								
5:49	668.5		0	0		316.9								
5:50				0		316.9								
				0		316.9								
BUMPED PLUG	PSI TO BUMP PLUG		TEST FLOAT EQUIP	Bbl CMT Returns/Reversed		TOTAL Bbl Pumped	PSI LEFT ON CSG		SPOT TOP CMT					
Y	673		Y	17		316.9	0							

ORIGINAL

Schlumberger Dowell													
Cement Job Report													
JOB TYPE:	5 1/2" Longstring	DS INVOICE#:		SERV SUPV:	Dany Reid								
CUSTOMER:	Anadarko Petroleum Corp.	SERVICE DATE:	Aug 28 1998										
WELL NAME:	KU Endowment G1	DRLG CONTR:	Blg "A" Drilling Rig#2										
DISTRICT:	Ulysses, KS	SEC-TWP-RNG	SEC:21 T:33 R:39	COUNTY, ST.	Morton County								
SIZE & TYPE OF PLUGS		CASING HARDWARE:		PHYSICAL SLURRY PROPERTIES									
Top:	5 1/2" rubber w/ alum core	Guide shoe, float insert		Slurry Wt. PPG	Slurry Yield Ft3								
Btm:		6 centralizers, FO tool (Baker provided).		Water GPS	Pump Time Hr/Min								
MATERIALS FURNISHED BY DS													
No. Sks.	Additives				Bbl Slurry	Bbl Wtr.							
90	50:50 (poz/H) + 2% D20 + 10% D44(BWOW) + 0.75% D60 + 0.2% D46 + 1/4 PPS D29				14.3	1.29							
25	reclaim cement					21							
					TOTAL	21							
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
Size	%Excess	Depth	Size	Wt	Type	Depth	Size	Wt	Type	Depth	Shoe	Float	Stage
7.875		6532	5.5	15.5		4699							Port 3304
LAST CASING			PKR-CMT RET- BR PL-LINER			PERF DEPTH		TOP CONN		WELL FLUID			
Size	Wgt	Type	Depth	Brand & Type		Depth	Top	Btm	Size	Thrds	Type	Wgt	
8.625	24		1706										
CALC DISP VOL-Bbls				CALC PSI		CALC MAX PSI		MAX TBG PSI		MAX CSG PSI		DISP FLUID	
Tbg	Csg	Csg	Tot	To Bump Plug		To Rev		Rated	Op	Rated	Op	Type	Wgt
	110.6		110.6	1979								H20	8.33
Notes, Explanation of Trouble, Setting Tool, Running Casing, Etc.													
Pressure Rate Detail						EXPLANATION							
TIME:	PRESSURE-PSI		RATE	BBI FLUID		TOTAL	FLUID						
Hr/Min	Pipe	Annulus	BPM	PUMPED		PMPD	TYPE						
						0			Arrive on loc Start Preflush Start Cmt Shut down, drop plug Start Displacement Bump plug Check float End job				
0800						0							
1427	284		6.8	25.15		25.15							
1431	325.4		6.1	20.96		49.58							
1436			0	0		49.58							
1437	325		5.5	112.2		168.1							
1502	1980		0	0		168.1							
1505						168.1							
1505						168.1							
BUMPED PLUG		PSI TO BUMP PLUG		TEST FLOAT EQUIP		Bbl CMT Returns/Reversed		TOTAL Bbl Pumped		PSI LEFT ON CSG		SPOT TOP CMT	
Yes		320.7		Yes		0		168.1		0			

Schlumberger Dowell

Cement Job Report

JOB TYPE:	Cement Portcollar	DS INVOICE#:		SERV SUPV:	Jeffery Dutton
CUSTOMER:	Anadarko Petroleum Corp.	SERVICE DATE:	09/09/98		
WELL NAME:	KU Endowment G1	DRLG CONTR:	Big "A" Drilling Rig#2		
DISTRICT:	Ulysses, KS	SEC-TWP-RNG	SEC:21 T:33 R:39	COUNTY, ST.	Morton County

SIZE & TYPE OF PLUGS			CASING HARDWARE:			PHYSICAL SLURRY PROPERTIES					
Top:						Slurry Wt. PPG	Slurry Yield Ft3	Water GPS	Pump Time Hr/Min	Bbl Slurry	Bbl Wtr.
Btm:											
MATERIALS FURNISHED BY DS											
No. Sks.	Additives										
70	Class C w/3%D79 + 0.2%D46 + 0.25 pps D29					11.1	3.23	20.1			40 34
50	Class C w/2% D20 + 0.25 pps D29					14.1	1.5	7.6			13 9
TOTAL										54	43

HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
Size	%Excess	Depth	Size	Wt	Type	Depth	Size	Wt	Type	Depth	Shoe	Float	Stage
7.875		6532	2.375	4.7		3304							Port 3304

LAST CASING				PKR-CMT RET- BR PL-LINER			PERF DEPTH		TOP CONN		WELL FLUID		
Size	Wgt	Type	Depth	Brand & Type			Depth	Top	Btm	Size	Thrds	Type	Wgt
5.5	15.5		4699										

CALC DISP VOL-Bbls				CALC PSI		CALC MAX PSI		MAX TBG PSI		MAX CSG PSI		DISP FLUID		WTR
Tbg	Csg	Csg	Tot	To Bump Plug		To Rev		Rated	Op	Rated	Op	Type	Wgt	RCE
	12.7		12.7					2000				H2O	8.33	RIG

Notes, Explanation of Trouble, Setting Tool, Running Casing, Etc.

Pressure Rate Detail							EXPLANATION	
TIME:	PRESSURE-PSI		RATE	BBI FLUID	TOTAL	FLUID		
Hr/Min	Pipe	Annulus	BPM	PUMPED	PMPD	TYPE		
					0			
0800					0		Arrive on loc	
1424	426		2.64	49.04	49.04		Pump Acid	
1457					49.04		End Job	
1150	352.7		2.4	39.04	39.04		Start Circulation	
1224	322.7		2.4	21.81	60.85		Start Preflush	
1233	699.8		4.1	33.79	94.89		Start Lead	
1247	716.5		4.1	13.01	111.3		Start Tail	
1250	800		3.1	11.6	122.9		Start Displacement	
1421							End Job	
BUMPED PLUG	PSI TO BUMP PLUG		TEST FLOAT EQUIP	Bbi CMT Returns/Reversed		TOTAL Bbl Pumped	PSI LEFT ON CSG	SPOT TOP CMT
No			No	0		122.9	0	