

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form must be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

PPA
080405

Operator: License # 4549
Name: Anadarko Petroleum Corporation
Address 1201 Lake Robbins Drive
City/State/Zip The Woodlands, TX 77380
Purchaser: _____
Operator Contact Person: Jerry N. Blossom
Phone (832) 636-3128
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: _____

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/Reentry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date _____ Original Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Enhr./SWD _____
_____ Plug Back _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Enhr?) _____ Docket No. _____
4/8/04 4/19/04 5/3/04
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API NO. 15- 189-22467-0000
County Stevens
_____ - CW/2 - SW - SE Sec. 35 Twp. 34 S. R. 38 E W
660 S Feet from S/N (circle one) Line of Section
2310 E Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name KU Endowment "C" Well # 4
Field Name _____
Producing Formation Lower Morrow
Elevation: Ground 3181' Kelley Bushing 3188'
Total Depth 7010' Plug Back Total Depth 6961'
Amount of Surface Pipe Set and Cemented at 1759 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 cmt.
Drilling Fluid Management Plan See 10/8-11-04
(Data must be collected from the Reserve Pit)
Chloride content 1500 ppm Fluid volume 750 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name KANSAS CORPORATION COMMISSION
Lease Name AUG 11 2004 License No. _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ E W
County WICHITA, KS 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 Jerry N. Blossom
Title Staff Enviro. & Regulatory Analyst Date 8-10-04
Subscribed and sworn to before me this 2 day of August,
2004.
Notary Public BERTHA COSTON MY COMM. EXP. DEC. 3, 2005
Date Commission Expires 12-3-05

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
_____ UIC Distribution

Operator Name Anadarko Petroleum Corporation

Lease Name KU Endowment "C"

Well # 4

Sec. 35 Twp. 34 S.R. 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 all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

Compensated Sonic, Mirco-Resistivity, Compensated Neutron/Micro Resistivity, Array Induction

Log Formation (Top), Depth and Datums Sample

Name Top Datum

Chase	2601'	580'
Council Grove	2954'	227'
Morrow	5922'	-2741'
St. Gen	6686'	-3505'
St. Louis	6834'	-3653'

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"	22.8	1759'	Midcon/Prem	580	2-3% CC
Production	7-7/8"	5-1/2"	15.5	6695'	50/50 POZ	300	5% KC1

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
6	6362' - 6408'		

TUBING RECORD Size 2-3/8" Set At 6347' Packer At N/A Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. 5/7/04 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	2443	27	---	60.7

Disposition of Gas: Vented Sold Used on Lease Open Hole Perforation Dually Comp. Commingled Other (Specify) _____

(If vented, submit ACO-18.)

METHOD OF COMPLETION _____ Production Interval _____

HALLIBURTON JOB SUMMARY

SALES ORDER NUMBER 3020454	TICKET DATE 04/09/04
BDA / STATE MC/Ks	COUNTY STEVENS
PSL DEPARTMENT Cement	CUSTOMER REP / PHONE KENNY PARKS 620-629-5136
API/AMI #	SAP BOMB NUMBER 7521
WES FACILITY (CLOSEST TO WELL SITE) Liberal Ks	

REGION Central Operations	AREA / COUNTRY Mid Continent/USA
MBU ID / EMPL # MCLI0101 301261	H.E.S. EMPLOYEE NAME Scott Green
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORP
TICKET AMOUNT \$13,976.46	WELL TYPE 01 Oil
WELL LOCATION Liberal, Ks	DEPARTMENT Cement
LEASE NAME KU ENDOWMENT	Well No. SEC / TWP / RNG C-4 35 - 34S - 38W

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Green, S 301261	8.0			
Smith, B 106036	8.0			
Berumen, E 267804	7.0			
Archuleta, M 226381	7.0			

HES UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10547695	50			
10251401	50			
10244148 / 10011278	12			
10243558 / 10011277	12			

Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth **1769'**

Date	Called Out	On Location	Job Started	Job Completed
	4/9/2004	4/9/2004	4/9/2004	4/9/2004
Time	1500	1730	2055	2215

Type and Size	Qty	Make
Insert Float Vlv 8-5/8"	1	Howco
Float Shoe		Howco
Centralizers 8-5/8"	5	Howco
Top Plug 8-5/8"	1	Howco
HEAD 8-5/8"	1	Howco
Limit clamp 8-5/8"	1	Howco
Weld-A 8-5/8"	1	Howco
Guide Shoe 8-5/8"	1	Howco
BTM PLUG		Howco

	New/Used		Weight	Size	Grade	From	To	Max. Allow
	New	Used						
Casing			24#	8 5/8"		0	1769'	
Liner								
Liner								
Tubing								
Drill Pipe								
Open Hole				12 1/4"		Sur.	1759'	Shots/Ft.
Perforations								
Perforations								
Perforations								

Material	Density	Lb/Gal
Mud Type		
Disp. Fluid		
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

Hours Off Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/9	6.0	4/9	1.5	Cement Surface Casing
Total	6.0	Total	1.5	

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AUG 11 2004
 CONSERVATION DIVISION

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
	Disp.	
Feet 44	Cement Left in Pipe	Reason
		SHOE JOINT

Cement Data			Additives			W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Bulk/Sks					
1	430	MIDCON C		3% CC - 1/2# FLOCELE	.1% FWCA	17.98	2.94	11.40
2	150	PREM PLUS		2% CC - 1/4# FLOCELE		6.30	1.34	14.90
3								
4								

Summary			
Circulating Breakdown	Displacement	Preflush: BBI	Type:
Lost Returns - Cmt Rtrn#Bbl	MAXIMUM	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
30	Actual TOC	Excess /Return BBI	Calc. Disp Bbl
Average Shut in: Instant	Frac. Gradient	Calc. TOC:	Actual Disp.
	5 Min. 15 Min.	Treatment: Gal - BBI	Disp: Bbl
		Cement Slurry BBI	
		Total Volume BBI	
			225 / 35.8
			369.80

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 SIGNATURE _____

HALLIBURTON JOB LOG				TICKET # 3020454	TICKET DATE 04/09/04
REGION Central Operations		NWA / COUNTRY Mid Continent/USA		BDA / STATE MC/Ks	COUNTY STEVENS
MRU ID / EMPL # MCL10101 301261		H.E.S EMPLOYEE NAME Scott Green		PSL DEPARTMENT Cement	
LOCATION LIBERAL		COMPANY ANADARKO PETROLEUM CORP		CUSTOMER REP / PHONE KENNY PARKS 620-629-5136	
TICKET AMOUNT \$13,976.46		WELL TYPE 01 Oil		API/WL #	
WELL LOCATION Liberal, Ks		DEPARTMENT Cement		JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME KU ENDOWMENT		Well No. C-4	SEC / TWP / RNG 35 - 34S - 38W		HES FACILITY (CLOSEST TO WELL S) Liberal Ks

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Green, S 301261	0						
Smith, B 106036	0						
Berumen, E 267804	7						
Archuleta, M 226381	7						

Chart No.	TIME	Rate (DP)	Volume (GAL)	Rate (GAL)	Pres. (PSI) (CS)	Job Description / Remarks
	1500					Called for job
	1530					Pre-trip safety meeting
	1730					On location, conduct site assessment. Move Halliburton unit on & rig-up same. Rig TOOH w/- DP & collars
	1900					Start to RIH w/- 8-5/8" csg
	1945					Bulk trucks on location, safety mtg w/- drivers, r/u same
	2030					Casing @ setting depth
	2035					R/U cement head / Circulate casing
	2045					Safety meeting
	2055				2500	Pressure test
	2057	6.5	225.0		125/200	Mix & pump 430sx lead slurry @ 11.4#
	2143	6.2	35.8			Mix & pump 150sx tail slurry @ 14.8#
	2150					Release top plug
	2151	6.0	109.0			Displace w/- water
	2203				250	Displacement caught cement
	2210	2.0			435	Slow rate
	2213				950	Bump plug
	2214					Bleed off / Check float / Returns - 30bbls/57sx
	2215					End job
						RECEIVED KANSAS CORPORATION
						APR 11 2004
						G. J. HALLIBURTON
						LIBERAL, KS
						Thanks for calling Halliburton, Liberal Scott & Crew

HALLIBURTON JOB SUMMARY

REGION Central Operations	NWA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY STEVENS
MBU ID / EMPL # MCL / IO104	H.E.S. EMPLOYEE NAME JOHN WOODROW	PBL DEPARTMENT Cement	
LOCATION LIBERAL	COMPANY ANADARKO PETROLEUM CORP	CUSTOMER REP / PHONE 30 KENNY PARKS 629-5136	
TICKET AMOUNT \$13,038.85	WELL TYPE 01 Oil	API/UWI #	
WELL LOCATION HUGOTON,KS.	DEPARTMENT CEMENT	SAP BOMB NUMBER 7523	Cement Production Casing
LEASE NAME KU ENDOWMENT	Well No. C-4	SEC / TWP / RNG 35 - 34S - 38W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL,KS.

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Woodrow, J 105848	14.0	Kilbourne, T 298801	13.0	
Oliphant, C 243055	14.0			

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H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10415641	50	10010752 / 10011270	12	
10011407 / 10011306	50			

CONSERVATION DIVISION
WICHITA, KS

Form. Name _____ Type: _____
 Form. Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	4/20/2004	4/20/2004	4/20/2004	4/20/2004
Time	0400	0700	2040	2145

Tools and Accessories

Type and Size	Qty	Make
Float Collar SS II 5 1/2	1	H
Float Shoe		
Centralizers REG 5 1/2	13	A
Top Plug		
HEAD Q/L 5 1/2	1	L
Limit clamp	1	
Weld-A	1	C
Guide Shoe REG 5 1/2	1	
BTM PLUG		O

Well Data

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Liner		15.5	5 1/2		KB	7,020	
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8				Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
4/20	14.0	4/20	2.0	Cement Production Casing
Total	14.0	Total	2.0	

SEE JOB LOG

Ordered _____ Hydraulic Horsepower Avail. _____ Used _____
 Treating _____ Average Rates in BPM Disp. _____ Overall _____
 Feet **34** Cement Left in Pipe Reason _____ Overall **SHOE JOINT**

Cement Data

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	25	50/50 POZ PP		5%KCL - 5%CALSEAL - 6#GILSONITE - .5%HALAD-322 -	33.84	5.22	10.00
2	250	50/50 POZ PP		5%KCL - 5%CALSEAL - 6#GILSONITE - .5%HALAD-322 -	7.43	1.62	13.20
3	25	50/50 POZ PP		5%KCL - 5%CALSEAL - 6#GILSONITE - .5%HALAD-322 -	7.43	1.62	13.20
4							

Summary

Circulating Breakdown	Displacement	Preflush: BBI	10.00	Type: FRESH WATER
Lost Returns-Y	MAXIMUM	Load & Bkdn: Gal - BBI		Pad:Bbl -Gal
Cmt Rtm#Bbl	Lost Returns-N	Excess /Return BBI		Calc.Disp Bbl
Average	Actual TOC	Calc. TOC:		Actual Disp.
Shut In: Instant	Frac. Gradient	Treatment: Gal - BBI		Disp:Bbl
	5 Min.	Cement Slurry BBI	102.0	
	15 Min.	Total Volume BBI	278.00	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE _____
 Signature: *Kenny Parks*
 SIGNATURE _____

HALLIBURTON JOB LOG				TICKET # 3033924	TICKET DATE 04/20/04
REGION Central Operations		NWA / COUNTRY Mid Continent/USA		BDA / STATE MC/Ks	COUNTY STEVENS
MBU ID / EMPL # MCL / IO104		H.E.S EMPLOYEE NAME JOHN WOODROW		PSL DEPARTMENT Cement	
LOCATION LIBERAL		COMPANY ANADARKO PETROLEUM CORP		CUSTOMER REP / PHONE KENNY PARKS 629-5136	
TICKET AMOUNT \$13,038.85		WELL TYPE 01 Oil		AFU/WI #	
WELL LOCATION HUGOTON,KS.		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME KU ENDOWMENT		Well No. C-4	SEC / TWP / RNG 35 - 34S - 38W	HES FACILITY (CLOSEST TO WELL): LIBERAL,KS.	

MINOR CORPORATION COMMISSION RECEIVED

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Woodrow, J 105848	14	Kilbourne, T 298801	13				
Oliphant, C 243055	14						

AUG 11 2004
CONSERVATION DIVISION
WICHITA, KS

Chart No.	Time	Rate (BPM)	Volume (BBL/GAL)	Rate			Press. (PSI)			Job Description / Remarks
				INZ	CSG	Tbg	CSG	Tbg	Tbg	
	0800									JOB READY
	0400									CALLED OUT FOR JOB
	0700									PUMP TRUCK ON LOCATION / PRE JOB SITE ASSESMENT
	0715									SPOT EQUIP. / RIG UP / RIG LAYING DOWN DRILL PIPE
	0830									LAY DOWN RH & MH
	0930									START RUNNING 5 1/2 CASING & FLOAT EQUIP.
	1430									CASING ON BOTTOM (7020 FT.)
	1440									HOOK UP 5 1/2 P/C & CIRCULATING IRON
										START CIRCULATING WITH RIG PUMP
	1450									CASING LOADED / HAVE NO CIRCULATION
										MIX HULLS & PREMIX
	1945									GOT CIRCULATION BACK
										HAVE PARTIAL RETURNS
	2030									PLUG RH & MH WITH 25 SKS CMT.
										THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK (JOB PROCEDURE)
	2045							2500		TEST PUMP & LINES
	2047	6.0	10.0					450		PUMP FRESH WATER SPACER
	2049	6.0	23.0					450		START MIXING 25 SKS LEAD CMT. @ 10#/GAL
	2052	6.0	73.0					450-250		START MIXING 250 SKS TAIL CMT. @ 13.2#/GAL
	2106	6.0								CLEAN PUMP & LINES / RELEASE PLUG
	2109	6.0						100		START DISPLACING WITH 4% CLAFIX TREATED WATER
	2130	6.0	125.0					100-250		HAVE 125 BBLs. OUT / CAUGH T PRESSURE
	2140	3.0	160.0							HAVE 160 BBLs. OUT / SLOW RATE TO 3 BPM
	2145							850		MAX LIFT PRESSURE BEFORE LANDING PLUG
	2145							2000		PLUG DOWN / RELEASE FLOAT
										FLOAT HELD
										THANK YOU FOR CALLING HALLIBURTON !!!
										(WOODY & CREW)

