

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Operator: License # 4549  
Name: Anadarko Petroleum Corporation  
Address: 1201 Lake Robbins Drive  
City/State/Zip: The Woodlands, TX 77380  
Purchaser: Anadarko Gathering Company  
Operator Contact Person: Jim LaFevers  
Phone: (832) 636-3127  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: \_\_\_\_\_

**RELEASED**  
**JAN 04 2005**

**FROM CONFIDENTIAL**

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/Re-entry: 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. \_\_\_\_\_

<u>7/7/03</u>	<u>7/15/03</u>	<u>7/27/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 189-22449-00-00  
County: Stevens  
N2 N2 NW Sec. 12 Twp. 32 S. R. 38  East  West  
450 feet from S /  (circle one) Line of Section  
1310 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  (circle one) NW SW  
Lease Name: Metts "A" Well #: 6

Producing Formation: St. Louis  
Elevation: Ground: 3156.5 Kelly Bushing: 3166  
Total Depth: 6340 Plug Back Total Depth: 6287  
Amount of Surface Pipe Set and Cemented at 1764  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** ALL IN 10-27-03  
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls  
Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: **RECEIVED**  
**KANSAS CORPORATION COMMISSION**

Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: **OCT 27 2003**

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S.  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_  
**CONSERVATION DIVISION**  
**WICHITA, KS**

**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 of 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: Jim LaFevers  
Title: Env & Reg Affairs Date: 10/24/03  
Subscribed and sworn to before me this 24<sup>th</sup> day of October  
20 03

Notary Public: Bertha Coston  
**BERTHA COSTON**  
NOTARY PUBLIC, STATE OF TEXAS  
MY COMMISSION EXPIRES  
**DEC. 3, 2005**

**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: Metts "A" Well #: 6  
 Sec. 12 Twp. 32 S. 38  East  West County: Stevens

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). 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  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:

Name	Top	Datum
Chase	2488	669
Council Grove	2819	338
Marmaton	4826	-1669
Morrow	5527	-2370
St. Louis	6166	-3009

CN/MC/LDGR    Sonic/GR    CCL/GR  
 AI/GR/LC/Sp    Micro/GR

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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4	8-5/8	22.18	1764	P+MC/P+	420/125	see cmt rpt
Production	7-7/8	5-1/2	15.5	6332	50/50 POZ	180	see cmt rpt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	6193' - 6201'	5000 gals 15% FE	6193-6201

TUBING RECORD    Size 2-7/8    Set At 6174    Packer At    Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. 8/3/03    Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours    Oil Bbls. 650    Gas Mcf 427    Water Bbls. 0    Gas-Oil Ratio 657    Gravity 46.5

Disposition of Gas    METHOD OF COMPLETION    Production Interval

Vented  Sold  Used on Lease     Open Hole  Perf.  Dually Comp.  Commingled 6193-6201  
 (If vented, Submit ACO-18.)     Other (Specify)

# HALLIBURTON JOB SUMMARY

REGION <b>Central Operations</b>		NWA / COUNTRY <b>Mid Continent/USA</b>		SALES ORDER NUMBER <b>2544578</b>		TICKET DATE <b>07/09/03</b>	
MBU ID / EMPL # <b>MCL / IO104</b>		H.E.S. EMPLOYEE NAME <b>JOHN WOODROW</b>		BDA / STATE <b>MC/Ks</b>		COUNTY <b>STEVENS</b>	
LOCATION <b>LIBERAL</b>		COMPANY <b>ANADARKO PETROLEUM CORPORATION</b>		PSL DEPARTMENT <b>Cement</b>		<b>ORIGINAL</b>	
TICKET AMOUNT <b>\$10,782.08</b>		WELL TYPE <b>01 Oil</b>		CUSTOMER REP / PHONE <b>KENNY PARKS 806-595-0980</b>			
WELL LOCATION <b>HUGOTON,KS.</b>		DEPARTMENT <b>CEMENT</b>		SAP BOMB NUMBER <b>7521</b>		Cement Surface Casing	
LEASE NAME <b>METTS</b>		Well No. <b>A-6</b>		SEC / TWP / RNG <b>12 - 32S - 38W</b>		HES FACILITY (CLOSEST TO WELL SITE) <b>LIBERAL,KS.</b>	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS
<b>Woodrow, J 105848</b>	7.0	<b>Ferguson, R 106154</b>	4.0
<b>King, K 105942</b>	7.0	<b>Tate, N 105953</b>	4.0

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	H.E.S. UNIT #S / (R / T MILES)	R / T MILES
<b>10415641</b>	80	<b>10240236 / 10240245</b>	40
<b>10011407 / 10011306</b>	80	<b>54225 / 10011272</b>	40

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
	7/9/2003	7/9/2003	7/10/2003	7/10/2003
Time	1700	1930	0000	0115

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar <b>INSERT 8 5/8</b>	1	H
Float Shoe		
Centralizers <b>REG 8 5/8</b>	4	A
Top Plug <b>5-W 8 5/8</b>	1	
HEAD <b>Q/L 8 5/8</b>	1	L
Limit clamp	1	
Weld-A	1	C
Guide Shoe <b>REG 8 5/8</b>	1	
BTM PLUG		O

**Well Data**

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New/Used	24#	8 5/8"		KB	1,774	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4"				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	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/9	7.0	7/10	2.0	Cement Surface Casing
Total	7.0	Total	2.0	

Ordered	Hydraulic Horsepower Avail.	Used
Treating	Average Rates in BPM	Overall
	Disp.	
	Cement Left in Pipe	
Feet <b>43</b>	Reason	<b>SHOE JOINT</b>

**Cement Data**

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	420	MIDCON C		3% CC - 1/2# FLOCELE - .1% FWCA	17.98	2.94	11.40
2	125	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

**Summary**

Circulating	Displacement	Preflush:	BBI	Type:
Breakdown	MAXIMUM	Load & Bkdn:	Gal - BBI	Pad:Bbl -Gal
Lost Returns-	Lost Returns-	Excess /Return	BBI	70
Cmt Rtrn#Bbl	Actual TOC	Calc. TOC:		Actual Disp.
Average	Frac. Gradient	Treatment:	Gal - BBI	Disp:Bbl
Shut In: Instant	5 Min.	Cement Slurry	BBI	250.0
	15 Min.	Total Volume	BBI	360.00

<b>Frac Ring #1</b>	<b>Frac Ring #2</b>	<b>Frac Ring #3</b>	<b>Frac Ring #4</b>
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**THE INFORMATION STATED HEREIN IS CORRECT**  
 CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_





CONFIDENTIAL

RELEASED

JAN 04 2005

ORIGINAL

<b>HALLIBURTON JOB LOG</b>		FROM CONFIDENTIAL	TICKET # <b>2560301</b>	TICKET DATE <b>07/16/03</b>
REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Contintnt/USA</b>	BDA / STATE <b>MC/Ks</b>	COUNTY <b>STEVENS</b>	
MBU ID / EMPL # <b>MCL / IO104</b>	H.E.S EMPLOYEE NAME <b>JOHN WOODROW</b>	PSL DEPARTMENT <b>Cement</b>		
LOCATION <b>LIBERAL</b>	COMPANY <b>ANADARKO PETROLEUM CORPO</b>	CUSTOMER REP / PHONE <b>STEVE BARTEL 1-806-595-0979</b>		
TICKET AMOUNT <b>\$7,771.42</b>	WELL TYPE <b>01 Oil</b>	API/UWI #		
WELL LOCATION <b>HUGOTON,KS.</b>	DEPARTMENT <b>CEMENT</b>	JOB PURPOSE CODE <b>Cement Production Casing</b>		
LEASE NAME <b>METTS</b>	Well No. <b>A-6</b>	SEC / TWP / RNG <b>12 - 32S - 38W</b>	HES FACILITY (CLOSEST TO WELL #) <b>LIBERAL,KS.</b>	

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	8.5	Berman, E 467604	8.5				
King, K 105942	8.5						
Howard, A J 285427	8.5						

Chart No.	Time	Rate (BPM)	volume (BBL)(GAL)	Rate		Press.(PSI)		Job Description / Remarks
				N2	CSG.	Tbg		
	2000							JOB READY
	1630							CALLED OUT FOR JOB
	2000							PUMP TRUCK & BULK CMT. ON LOCATION
	2015							PRE JOB SITE ASSESMENT / SPOT EQUIP. / RIG UP
	2050							HOLD PRE JOB SAFETY MEETING
	2100							START RUNNING 5 1/2 CASING & FLOAT EQUIP.
	0000							PLACE PORT COLLAR ON # 69 JT. ( 3254 FT. )
	0145							FINISH RUNNING CASING TO BOTTOM ( 6348 FT.)
	0150							HOOK UP 5 1/2 P/C & CIRCULATING IRON
	0200							START CIRCULATING WITH RIG PUMP
	0245		5.0					PLUG RH & MH WITH 25 SKS CMT.
	0255							THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK ( JOB PROCEDURE )
	0301					4000		TEST PUMP & LINES
	0303	5.0	5.0			300		PUMP FRESH WATER SPACER
	0304	6.0	20.0			250		START MIXING 25 SKS LEAD CMT. @ 10#/GAL
	0311	6.0	29.0			250-150		START MIXING 130 SKS TAIL CMT. @ 14.4#/GAL
	0316							CLEAN PUMP & LINES / RELEASE PLUG
	0318	6.0				65		START DISPLACING WITH 2% CLA -FIX TREATED WATER
								HAVE 140 BBLs. OUT / SLOW RATE TO 3.5 BPM
	0345	3.5				550		MAX LIFT PRESSURE BEFORE LANDING PLUG
	0345		150.0			2000		PLUG DOWN / PRESSURE UP TO 2000#
								RELEASE PRESSURE
								FLOATS HELD
								THANK YOU FOR CALLING HALLIBURTON !!!! ( WOODY & CREW )

RECEIVED  
KANSAS CORPORATION COMMISSION  
OCT 27 2003  
CONSERVATION DIVISION  
WICHITA, KS

