

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLE

Phone ( 316 ) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SwD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5-18-98 5-25-98 7-20-98  
 Spud Date Date Reached TD Completion Date

API NO. 15- 129-21557-00-00

County MORTON

       -        -        NW - SE Sec. 1 Twp. 33 Rge. 41  E

1980 Feet from SN (circle one) Line of Section

1980 Feet from EW (circle one) Line of Section

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

Lease Name USA DUNKLE "A" Well # 3

Field Name DUNKLE

Producing Formation WABAUNSEE

Elevation: Ground 3403.1 KB \_\_\_\_\_

Total Depth 5500 PBSD 3150

Amount of Surface Pipe Set and Cemented at 1510 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3351 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan Att. 1, 8-17-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

       Quarter Sec.        Twp.        S Rng.        E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

RECEIVED  
 STATE CORPORATION COMMISSION  
 OIL & GAS CONSERVATION DIVISION  
 WICHITA, KANSAS  
 AUG 10 1998

**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  
 Title DRILLING TECHNICAL ASSISTANT Date 08/06/98

Subscribed and sworn to before me this 6<sup>th</sup> day of August  
 19 98.

Notary Public Freda L. Kling

Date Commission Expires \_\_\_\_\_

**FREDA L. KLING**  
 Notary Public - State of Kansas  
 My Appl. Expires 5-15-99

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

ORIGINAL

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA-DUNKLE Well # 3

Sec. 1 Twp. 33 Rge. 41  East County MORTON  
 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  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 (2), DIL, ML,  
 CNL-LDT, BHC SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2182	
COUNCIL GROVE	2470	
WABAUNSEE	2901	
TOPEKA	3130	
B/HHEEBNER	3572	
KANSAS CITY	3766	
MARMATHON	4260	
CHEROKEE	4480	
MORROW	4814	
STE. GENEVIEVE	5240	
ST. LOUIS	5360	

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"	23.0	1510	P+ MIDCON 2/ P+	280/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5500	P+ MIDCON 2/ 50/50 POZ.	70/125	2%CC, 1/4#SK FLC/ .6% H322, 10% SALT, 1/4#SK FLC.
				FO TOOL @ 3331	NONE (SEE SQZ BELOW)		

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 checked="" type="checkbox"/> Plug Off Zone	3160-3284	P + MIDCON 2	60	2% CC, 1/4#SK FLC

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	Depth
4	5386-5408, CIBP @ 5300	ACID: 2000 GAL 15% HCL	5386-5408
4	5170-5186, 5132-5146, CIBP @ 5050	ACID: 1600 GAL 7 1/2% HCL	5132-5186 (OA)
4	4976-4986, CIBP @ 4750	ACID: 500 GAL 7 1/2% HCL FRAC: 14000 GAL FMD GEL & 42000# 16/30 SD.	4976-4986
4	4600-4606, 4614-4618, CIBP @ 4000	ACID: 1000 GAL 15% HCL	4600-4618 (OA)
4	3172-3182, CIBP @ 3150	ACID: 1000 GAL 15% HCL	3172-3182
2	2912-2916, 2902-2908	ACID: 700 GAL 15% FE HCL	2902-2916 (OA)

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2938		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 7-30-98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		185			

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 2902-2924 (OA)



# JOB SUMMARY 4239-1

TICKET # <b>234043</b>	TICKET DATE <b>5-19-98</b>
BDA / STATE <b>KS</b>	COUNTY <b>Merion</b>
PSL DEPARTMENT <b>Zonal Isolation</b>	CUSTOMER REP / PHONE
API / UWI #	JOB PURPOSE CODE <b>010</b>

REGION <b>North America</b>	NWA/COUNTRY <b>Mid Continent</b>
MBU ID / EMP # <b>LT0101 63601</b>	EMPLOYEE NAME <b>D. McKane</b>
LOCATION <b>Zonal</b>	COMPANY <b>Anadarko Petroleum</b>
TICKET AMOUNT	WELL TYPE <b>02</b>
WELL LOCATION <b>Zonal</b>	DEPARTMENT <b>Zonal Isolation</b>
LEASE / WELL # <b>USA Dinkle A-3</b>	SEC / TWP / RNG <b>1 33s 41w</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
<b>B. Tomlinson JT832</b>			
<b>S. Toljard H 4817</b>			
<b>B. Humphries JG170</b>			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>38242</b>	<b>122</b>						
<b>52788-7858</b>	<b>122</b>						
<b>52827-6616</b>	<b>54</b>						
<b>50737-75237</b>	<b>54</b>						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_

Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>5-19-98</b>	<b>5-19-98</b>	<b>5-19-98</b>	<b>5-19-98</b>
TIME	<b>1900</b>	<b>1630</b>	<b>2040</b>	<b>2130</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>Insect 8 5/8</b>	<b>1</b>	<b>11</b>
Float Shoe		
Guide Shoe <b>Rog 8 5/8</b>	<b>1</b>	<b>O</b>
Centralizers <b>8 5/8</b>	<b>4</b>	
Bottom Plug		<b>W</b>
Top Plug <b>SW 8 5/8</b>	<b>1</b>	
Head <b>PIC 8 5/8</b>	<b>1</b>	<b>C</b>
Packer		
Other <b>Bucket 8 5/8</b>	<b>1</b>	<b>O</b>

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing <b>N</b>	<b>23</b>	<b>8 7/8</b>	<b>1527</b>	<b>66</b>	
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					<b>SHOTS/FT.</b>
Perforations					
Perforations					
Perforations					

**MATERIALS**

Treat Fluid _____ 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 _____
Perpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

  

ORDERED	<b>HYDRAULIC HORSEPOWER</b>	
	Aval. _____	Used _____
TREATED	<b>AVERAGE RATES IN BPM</b>	
	Disp. _____	Overall _____
FEET <b>400</b>	<b>CEMENT LEFT IN PIPE</b>	
	Reason	<b>Shoe Joint</b>

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>280</b>	<b>P4 MidCon</b>	<b>B</b>	<b>3% CC 1/4" #16 Slocete</b>	<b>322</b>	<b>11.1</b>
	<b>100</b>	<b>Prem Plus</b>	<b>B</b>	<b>2% CC 1/4" #16 Slocete</b>	<b>132</b>	<b>14.8</b>

Circulating _____	Displacement _____	Preflush: Gal (BB) <b>5</b>	Type <b>1/2C</b>
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal <b>94.7</b>
Shut In: Instant _____	5 Min _____	Cement Slurr Gal - BB <b>60.5</b>	<b>23.5</b>
	15 Min _____	Total Volume Gal - BBI _____	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE  
*J. J. McKane*





**JOB SUMMARY** 4239-1

TICKET #	383076	TICKET DATE	5-27-98
REC'DN	North America	BDA / STATE	KS
MBU ID / EMP #	LT104 62573	PSL DEPARTMENT	ZONAL ISOLATION
LOCATION	LIBERAL KS	CUSTOMER REP / PHONE	JACK TUMAN
TICKET AMOUNT		API / UWI #	15-129-21557-0000
WELL LOCATION	N. ROLLA	DEPARTMENT	ZONAL ISOLATION
LEASE / WELL #	U.S. A DUNKLE # A-3	JOB PURPOSE CODE	035-
NWA/COUNTRY	Mid CONTINENT	SEC / TWP / RNG	1-33S-40W
EMPLOYEE NAME	JOHN WOODROW		
COMPANY	ANADARKO PET		
WELL TYPE	O2		

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
S. GRANT H4639							
R. FERGUSON J5672							

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
53554/76906	120						
52823/664	28						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type PORT COLLAR Set At 3332  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth 5501

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-28-98	2030	5-26-98	2300	5-27-98
				0945

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <u>7/8" x 1 1/2"</u>	1	H
Float Shoe		
Guide Shoe <u>REG 5/2"</u>	1/6	O
Centralizers <u>5-9 5/2"</u>		
Bottom Plug		W
Top Plug		
Head		C
Packer <u>PORT COLLAR 5/2"</u>	1	
Other <u>BASKET</u>		O

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	1	155	5 1/2	EB	5501	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid _____	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 _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
5-28-98				SEE JOB LOG
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**

ORDERED	Avail.	Used
TREATED	<b>AVERAGE RATES IN BPM</b>	
FEET	Disp.	Overall
42	<b>CEMENT LEFT IN PIPE</b>	
	Reason	SHOT JOINT

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	nt midcon	B	2% CC 1/4" FLOCCEL	3.21	11.1
	45	" " "	B	" " " " (DENSIFIED)	2.01	12.8
	125	PPF M 3/4" 10?	B	.5% ANAD-322 10% SALT 1/4" FLOCCEL	1.28	14.4

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 130
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI _____	28.5 TC
		Total Volume Gal - BBI _____	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *J. Tuman*





# JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY MID CONTINENT	TICKET # 196546	TICKET DATE 7-2-98
MBU ID / EMP # MCHA0101 89377	EMPLOYEE NAME WAYNE WILSON	BDA / STATE KANSAS	COUNTY MORTON
LOCATION HAYS, KS	COMPANY ANADARKO PETROLEUM CORP	PSL DEPARTMENT ZI	CUSTOMER REP / PHONE IKE EISENHOWER
TICKET AMOUNT	WELL TYPE 02	API / UWI #	JOB PURPOSE CODE 030
WELL LOCATION NW/ROLLA, KS	DEPARTMENT ZI		
LEASE / WELL # USA - DWKLE A-3	SEC / TWP / RNG 1 - 33c - 41w		

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
WILSON 89377			
FRANK STEEL 41682			
HUMPHRIES			

## ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	450						
53293M	450						
52827-75237	60						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	7-2	7-2	7-2	7-3
TIME	0900	1400	1500	1200

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing			5 1/2	0	4000	CIRP
Liner						
Liner						
Tbg/D.P.			2 3/8	0	3295	PORT COLLAR
Tbg/D.P.			2 3/8	0	3272	EZSU
Open Hole						SHOTS/FT.
Perforations					3284	
Perforations						
Perforations						

### MATERIALS

Treat Fluid	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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
7-2		7-2		CMT PORT COLLAR COULD NOT OPEN
7-3		7-3		PERF - BBA EZSU CMT PERFS
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET	CEMENT LEFT IN PIPE Reason	

### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	60	Pt maxcon	B	290cc, 1/4 #/SK FLOCCEL	2.01	12.8

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal BBB 8/20/8 Type 120/mwdflocu/120  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBB Pad: BBB - Gal  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBB Disp BBB Gal 118/12.7  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBB 21.5  
 Total Volume Gal - BBB

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



**JOB LOG** 4239-5

TICKET # 196546  
TICKET DATE 7-2-98

REGION North America	NWA/COUNTRY MED CONTINENT	BDA / STATE KANSAS	COUNTY MORTON
MBU ID / EMP# MCHA0101 89377	EMPLOYEE NAME WAXIE WILSON	PSL DEPARTMENT ZE	
LOCATION HAYS, KS	COMPANY AJADARCO PETROLEUM CORP	CUSTOMER REP / PHONE IYE EISENHOWER	
TICKET AMOUNT	WELL TYPE 02	API / UWI #	
WELL LOCATION NW / ROMA, KS	DEPARTMENT ZE	JOB PURPOSE CODE 030	
LEASE / WELL # USA DWKLE A-3	SEC / TWP / RNG 1-33c-41w		

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
Wilson 89377							
Pennington 41682							
Humphreys							

**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESS. (psl)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Cap	
	0900							CALLED OUT
	1400							ON LOCATION - DISCUSS JOB PROCEDURE SAFETY MEETING
1	1503		88		✓		1500	PSE TEST CASING & COEP @ 4000' - HELD RELEASE PSE - TRY TO OPEN PORT COLLAR WELL NOT OPEN - TUBING BACK OFF 1615 PULL TUBING OUT - REIGHTEN TUBING 1700 START TUBING BACK IN WELL 1830 2500 TRY TO OPEN PORT COLLAR AND PUMP INTO - CANNOT PUMP INTO AND PROBABLY NOT OPEN - PULL BACK INTO CLOSE POSITION 2000 PULL TUBING OUT OF WELL - DONE FOR TODAY WILL CALL WITH DECISION LATER TONIGHT 0730 BACK ON LOCATION 7-3-98 PERF @ 3284
2	0815	2	17		✓		300	2000W RATE - GOOD BLOW OUT SURFACE CASING - NO RETURNS
	0900							SET E2SV @ 3272' WITH WIRELINE TRUCK - RW STARTING - STABLER
	1037	2 1/2			✓	250	500	PSE TEST CASING @ E2SV - HELD - STABLER INTO E2SV PUMP 10 BBL WATER PUMP 20 BBL MUDFLASH PUMP 8 BBL WATER
	1102	2 1/2	2 1/2		✓	50		MAX CEMENT 60 SES
	1110	2 1/2	0		✓	0		START DISPLACEMENT
	1113	2 1/2	6 1/2		✓	200		PSE LEFT
	1116		12 3/4		✓	250		CMT DISPLACED - SHUT DOWN - HOLDING 200 PSE
	1120	2 1/2	17		✓	250		PULL OUT E2SV REVERSE CLEAR  PULL TUBING OUT WELL WASH-UP PACK-UP
	1200							JOB COMPLETE

THANK YOU  
WAXIE TOM, GARY



FORM MUST BE TYPED

# COPY

SIDE ONE

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLER

Phone ( 316 ) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

5-18-98 5-25-98 7-20-98  
Spud Date Date Reached TD Completion Date

API No. 15- 129-21557

County MORTON

     -      -      NW - SE Sec. 1 Twp. 33 Rge. 41  E  W

1980 Feet from S (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name USA DUNKLE "A" Well # 3

Field Name DUNKLE

Producing Formation WABAUNSEE

Elevation: Ground 3403.1 KB \_\_\_\_\_

Total Depth 5500 PBSD 3150

Amount of Surface Pipe Set and Cemented at 1510 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3351 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

Feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH-1, 8-17-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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 08/06/98

Subscribed and sworn to before me this 6<sup>th</sup> day of August 19 98.

Notary Public Freda L. Shinn

Date Commission Expires \_\_\_\_\_

RECEIVED  
AUG 15 1998

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

SIDE TWO

Y90

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA DUNKLE HALL Well # 3

Sec. 1 Twp. 33 Rge. 41  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  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 (2), DIL, ML, CNL-LDT, BHC SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2182	
COUNCIL GROVE	2470	
WABAUNSEE	2901	
TOPEKA	3130	
B/HEEBNER	3572	
KANSAS CITY	3766	
MARMATHON	4260	
CHEROKEE	4480	
MORROW	4814	
STE. GENEVIEVE	5240	
ST. LOUIS	5360	

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"	23.0	1510	P+ MIDCON 2/ P+	280/100	3%CC, 1/2%SK FLC/ 2%CC, 1/2%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5500	P+ MIDCON 2/ 50/50 POZ.	70/125	2%CC, 1/2%SK FLC/ 6% H322, 10% SALT, 1/2%SK FLC.
					FO TOOL @ 3331	NONE (SEE SQZ BELOW)	

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 checked="" type="checkbox"/> Plug Off Zone	3160-3284	P + MIDCON 2	60	2% CC, 1/2%SK FLC

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
	4	5386-5408, CIBP @ 5300	ACID: 2000 GAL 15% HCL	5386-5408	
4	5170-5186, 5132-5146, CIBP @ 5050	ACID: 1600 GAL 7 1/2% HCL	5132-5186 (OA)		
4	4976-4986, CIBP @ 4750	ACID: 500 GAL 7 1/2% HCL FRAC: 14000 GAL FMD GEL & 42000# 16/30 SD.	4976-4986		
4	4600-4606, 4614-4618, CIBP @ 4000	ACID: 1000 GAL 15% HCL	4600-4618 (OA)		
4	3172-3182, CIBP @ 3150	ACID: 1000 GAL 15% HCL	3172-3182		
2	2912-2916, 2902-2908	ACID: 700 GAL 15% FE HCL	2902-2916 (OA)		

TUBING RECORD	Size 2 3/8"	Set At 2938	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	-------------	-------------	-----------	---

Date of First, Resumed Production, SWD or Inj. 7-30-98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 185	Water 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: 2902-2924 (OA)

FORM MUST BE TYPED

# COPY

SIDE ONE

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLER

Phone ( 316 ) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

5-18-98 5-25-98 7-20-98  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21557

County MORTON

              NW        SE Sec. 1 Twp. 33 Rge. 41  E  W

1980 Feet from SN (circle one) Line of Section

1980 Feet from EW (circle one) Line of Section

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

Lease Name USA DUNKLE "A" Well # 3

Field Name DUNKLE

Producing Formation WABAUNSEE

Elevation: Ground 3403.1 KB \_\_\_\_\_

Total Depth 5500 PBSD 3150

Amount of Surface Pipe Set and Cemented at 1510 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3351 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH-1, 8-17-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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  
Title DRILLING TECHNICAL ASSISTANT Date 080698  
Subscribed and sworn to before me this 6<sup>th</sup> day of August  
19 98.  
Notary Public Freda L. Stein  
Date Commission Expires \_\_\_\_\_

RECEIVED  
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

**Y9903**

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA DUNKLE #1A Well # 3

Sec. 1 Twp. 33 Rge. 41  
 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  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 (2), DIL, ML, CNL-LDT, BHC SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2182	
COUNCIL GROVE	2470	
WABAUNSEE	2901	
TOPEKA	3130	
B/HEEBNER	3572	
KANSAS CITY	3766	
MARMATHON	4260	
CHEROKEE	4480	
MORROW	4814	
STE. GENEVIEVE	5240	
ST. LOUIS	5360	

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"	23.0	1510	P+ MIDCON 2/ P+	280/100	3%CC, 1/4%SK FLC/ 2%CC, 1/4%SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5500	P+ MIDCON 2/ 50/50 POZ.	70/125	2%CC, 1/4%SK FLC/ .6% H322, 10% SALT, 1/4%SK FLC.
					FO TOOL @ 3331	NONE (SEE SQ# BELOW)	

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 checked="" type="checkbox"/> Plug Off Zone	3160-3284	P + MIDCON 2	60	2% CC, 1/4%/SK FLC

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	
	4	5386-5408, CIBP @ 5300	ACID: 2000 GAL 15% HCL	5386-5408
4	5170-5186, 5132-5146, CIBP @ 5050	ACID: 1600 GAL 7 1/2% HCL	5132-5186 (OA)	
4	4976-4986, CIBP @ 4750	ACID: 500 GAL 7 1/2% HCL FRAC: 14000 GAL FMD GEL & 42000# 16/30 SD.	4976-4986	
4	4600-4606, 4614-4618, CIBP @ 4000	ACID: 1000 GAL 15% HCL	4600-4618 (OA)	
4	3172-3182, CIBP @ 3150	ACID: 1000 GAL 15% HCL	3172-3182	
2	2912-2916, 2902-2908	ACID: 700 GAL 15% FE HCL	2902-2916 (OA)	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2938		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj. 7-30-98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		185			

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

2902-2924 (OA)

FORM MUST BE TYPED

COPY

SIDE ONE

COPY

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

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: ANADARKO ENERGY SERVICES

Operator Contact Person: DAVID W. KAPPLE

Phone (316) 624-6253

Contractor: Name: NORSEMAN DRILLING, INC.

License: 3779

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

5-18-98 5-25-98 7-20-98  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21557

County MORTON

       -        -        NW -        SE Sec. 1 Twp. 33 Rge. 41        E

1980 Feet from SN (circle one) Line of Section

1980 Feet from EW (circle one) Line of Section

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

Lease Name USA DUNKLE "A" Well # 3

Field Name DUNKLE

Producing Formation WABAUNSEE

Elevation: Ground 3403.1 KB \_\_\_\_\_

Total Depth 5500 PBTD 3150

Amount of Surface Pipe Set and Cemented at 1510 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, show depth set 3351 Feet

Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH-1, 8-17-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKELL & RESTORE LOCATION

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

       Quarter Sec.        Twp.        S Rng.        E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas  
APR 10 1998

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  
Title DRILLING TECHNICAL ASSISTANT Date 080698

Subscribed and sworn to before me this 6<sup>th</sup> day of August 19 98.

Notary Public Freda L. Sluis

Date Commission Expires \_\_\_\_\_

REC'D  
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)

Y9000      SIDE TWO      Y9000

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name USA DUNKLE Well # 3

Sec. 1 Twp. 33 Rge. 41  East County MORTON  
 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  List All E.Logs Run: CBL-CCL-GR (2), DIL, ML, CNL-LDT, BHC SONIC.	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr><td>CHASE</td><td>2182</td><td></td></tr> <tr><td>COUNCIL GROVE</td><td>2470</td><td></td></tr> <tr><td>WABAUNSEE</td><td>2901</td><td></td></tr> <tr><td>TOPEKA</td><td>3130</td><td></td></tr> <tr><td>B/HHEEBNER</td><td>3572</td><td></td></tr> <tr><td>KANSAS CITY</td><td>3766</td><td></td></tr> <tr><td>MARMATHON</td><td>4260</td><td></td></tr> <tr><td>CHEROKEE</td><td>4480</td><td></td></tr> <tr><td>MORROW</td><td>4814</td><td></td></tr> <tr><td>STE. GENEVIEVE</td><td>5240</td><td></td></tr> <tr><td>ST. LOUIS</td><td>5360</td><td></td></tr> </tbody> </table>	Name	Top	Datum	CHASE	2182		COUNCIL GROVE	2470		WABAUNSEE	2901		TOPEKA	3130		B/HHEEBNER	3572		KANSAS CITY	3766		MARMATHON	4260		CHEROKEE	4480		MORROW	4814		STE. GENEVIEVE	5240		ST. LOUIS	5360	
Name	Top	Datum																																			
CHASE	2182																																				
COUNCIL GROVE	2470																																				
WABAUNSEE	2901																																				
TOPEKA	3130																																				
B/HHEEBNER	3572																																				
KANSAS CITY	3766																																				
MARMATHON	4260																																				
CHEROKEE	4480																																				
MORROW	4814																																				
STE. GENEVIEVE	5240																																				
ST. LOUIS	5360																																				

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
SURFACE	12-1/4"	8-5/8"	23.0	1510	P+ MIDCON 2/ P+	280/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	5500	P+ MIDCON 2/ 50/50 POZ.	70/125	2%CC, 1/4#SK FLC/ .6% H322, 10% SALT, 1/4#SK FLC.
FO TOOL @ 3331					NONE (SEE SQZ BELOW)		

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 checked="" type="checkbox"/> Plug Off Zone	3160-3284	P + MIDCON 2	60	2% CC, 1/4#SK FLC

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
4	5386-5408, CIBP @ 5300	ACID: 2000 GAL 15% HCL 5386-5408
4	5170-5186, 5132-5146, CIBP @ 5050	ACID: 1600 GAL 7 1/2% HCL 5132-5186 (OA)
4	4976-4986, CIBP @ 4750	ACID: 500 GAL 7 1/2% HCL 4976-4986
4	4600-4606, 4614-4618, CIBP @ 4000	FRAC: 14000 GAL FMD GEL & 42000# 16/30 SD. ACID: 1000 GAL 15% HCL 4600-4618 (OA)
4	3172-3182, CIBP @ 3150	ACID: 1000 GAL 15% HCL 3172-3182
2	2912-2916, 2902-2908	ACID: 700 GAL 15% FE HCL 2902-2916 (OA)

TUBING RECORD	Size 2 3/8"	Set At 2938	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---------------	----------------	----------------	-----------	--

Date of First, Resumed Production, SWD or Inj. 7-30-98	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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		185			

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: 2902-2924 (OA)



**JOB SUMMARY** 4239-1

TICKET # <b>234043</b>	TICKET DATE <b>5-19-98</b>
BDA / STATE <b>KS</b>	COUNTY <b>Meriton</b>
PSL DEPARTMENT <b>Zonal Isolation</b>	CUSTOMER REP / PHONE
API / UWI #	
JOB PURPOSE CODE <b>010</b>	

REGION <b>North America</b>	NWA/COUNTRY <b>Mid Continent</b>
MBU ID / EMP # <b>LT0101 G3601</b>	EMPLOYEE NAME <b>D. McKane</b>
LOCATION <b>L. Gena</b>	COMPANY <b>Aradanta Petroleum</b>
TICKET AMOUNT	WELL TYPE <b>02</b>
WELL LOCATION <b>Land</b>	DEPARTMENT <b>Zonal Isolation</b>
LEASE / WELL # <b>USA Dinkle A-3</b>	SEC / TWP / RNG <b>1 33s 41w</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
<b>B. Tomlinson J1832</b>			
<b>S. Tel. Jerald A 4817</b>			
<b>B. Humphreys JG170</b>			

**ORIGINAL**

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>38242</b>	<b>122</b>						
<b>52738-75058</b>	<b>122</b>						
<b>52827-6616</b>	<b>54</b>						
<b>50737-75237</b>	<b>54</b>						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
<b>5-19-98</b>	<b>1900</b>	<b>5-19-98</b>	<b>5-19-98</b>	<b>5-19-98</b>
			<b>2040</b>	<b>2130</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar <b>Insert 8 7/8</b>	<b>1</b>	<b>H</b>
Float Shoe		
Guide Shoe <b>Reg 8 7/8</b>	<b>1</b>	<b>O</b>
Centralizers <b>8 7/8</b>	<b>4</b>	
Bottom Plug		<b>W</b>
Top Plug <b>5W 8 7/8</b>	<b>1</b>	
Head <b>PIC 8 7/8</b>	<b>1</b>	<b>C</b>
Packer		
Other <b>Basket 8 7/8</b>	<b>1</b>	<b>O</b>

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>23</b>	<b>8 7/8</b>	<b>1527</b>	<b>62</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						<b>SHOTS/FT.</b>
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid _____	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 _____	
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 ORDERED Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 TREATED Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 FEET **400** Reason **Shoe Joint**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>280</b>	<b>P1 Mid/Con</b>	<b>B</b>	<b>3% CC 1/4" #16 Staccle</b>	<b>3.22</b>	<b>11.1</b>
	<b>100</b>	<b>Perm Plus</b>	<b>B</b>	<b>2% CC 1/4" #16 Staccle</b>	<b>1.37</b>	<b>14.8</b>

Circulating _____	Displacement _____	Preflush: Gal (BB) <b>5</b>	Type <b>H2O</b>
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Dispr (BB) - Gal <b>94.7</b>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - (BB) <b>20.5</b>	<b>23.5</b>
		Total Volume Gal - BBI _____	

Frac Ring #1 _____	Frac Ring #2 _____	Frac Ring #3 _____	Frac Ring #4 _____
<b>THE INFORMATION STATED HEREIN IS CORRECT</b>		CUSTOMER'S REPRESENTATIVE SIGNATURE <i>[Signature]</i>	

TICKET #	234093	TICKET DATE	5-19-98
REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	170101 23601	EMPLOYEE NAME	D. McLane
LOCATION	Liberia	COMPANY	Analabco
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	Land	DEPARTMENT	Zonal Isolation
LEASE / WELL #	USA Dinkle A13	SEC / TWP / RNG	1 33 41W
BDA / STATE	KS	PSL DEPARTMENT	Zonal Isolation
COUNTY	Moilan	CUSTOMER REP / PHONE	
API / UWI #		JOB PURPOSE CODE	010

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
B. Tomlinson J1832							
S. Tolford 114817							
B. Humphries J 6170							

**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T, C	PRESS. (psi)		JOB DESCRIPTION / REMARKS
					Stbg	Csg	
	1700						Job Ready
	1400						Called for Job
	1630						on location Rig on Bottom Circulating
	1700						set up pump truck
	1845						Rig Thumping out D.P
	1850						D.P out of hole
	1905						Rig up Csg Crew
	2020						start Running Csg & Start Equip
	2025						Csg on Bottom
	2036						Thru up PK & circulating from start circulate
							thru circulating
							Job procedure 878 Surface Pipe
	2040	6	5				Start Fresh water Ahead
	2041	6	16.5				Start Lead Cement @ 11.17/gal
	2108	6	23.5				Start Tail Cement @ 14.87/gal
	2113						thru mixing cement
	2114						Shut Down / Release Plug
	2115	6	94.7				Start Displacement
	2135						Displacement Caught Cement
	2127						Slow Down Rate
	2130						Plug landed
							Release Start
							Start hold
<p>Circulated 50 Bbls to Pit 87 Skts to Pit</p>							
<p>Thank You for Calling Halliburton</p>							
<p>Droney &amp; Bryson &amp; Crew</p>							









**JOB SUMMARY** 4239-1

TICKET #	196546	TICKET DATE	7-2-98
REGION	North America	BDA / STATE	KANSAS
MBU ID / EMP #	CHAD101 B9377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS, KS	PSL DEPARTMENT	ZI
TICKET AMOUNT		CUSTOMER REP / PHONE	IKE EISENHOWER
WELL LOCATION	NW/ROLLA, KS	WELL TYPE	02
LEASE / WELL #	USA - DUNKLE A-3	DEPARTMENT	ZI
		SEC / TWP / RNG	1 - 33s - 41w
		API / UWI #	
		JOB PURPOSE CODE	030

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
WILSON	B9377						
PEANNS/STEEL	H1682						
HUMPHRIES							

ORIGINAL COPY

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	450						
53293M	450						
52827-75237	60						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
7-2	0900	1400	1500	11-3
7-3				

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing			5 1/2	0	4000	CRP
Liner						
Liner						
Tbg/D.P.			2 3/8	0	3295	PORT COLLAR
Tbg/D.P.			2 3/8	0	3272	EZSU
Open Hole						SHOTS/FT.
Perforations					3284	
Perforations						
Perforations						

**MATERIALS**

Treat Fluid \_\_\_\_\_ 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 \_\_\_\_\_

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
7-2		7-2		CMT PORT COLLAR COULD NOT OPER
7-3		7-3		
TOTAL		TOTAL		PERF - BWD EZSU CMT PERFS

ORDERED	HYDRAULIC HORSEPOWER	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Disp.	Overall
FEET	CEMENT LEFT IN PIPE	Reason	

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	60	P+ MASON	R	290cc, 1/4 #/SK FLOCCIF	2.01	12.8

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal (BB) 8/20/8 Type H2O/mud/2.0/110  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI Pad: BBI - Gal  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI Disp (BB) Gal 11.8/12.7  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - (BB) 21.5  
 Total Volume Gal - BBI

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

TICKET #	196546	TICKET DATE	7-2-98
REGION	North America	EMPLOYEE NAME	MAD COOPER
WELL LOCATION	USA WYLS	COMPANY	ADARCO PETROLEUM CORP
WELL TYPE	02	CUSTOMER REP / PHONE	ITZ ESSENHAVER
DEPARTMENT	ZI	JOB PURPOSE CODE	030
SEC / TWP / RNG	1 - 335 - 410		

**ORIGINAL COPY**

CHART NO.	TIME	RATE (BPM)	VOLUME (GALLONS)	PUMPS	T	C	Tbg	Press. (Psi)	Job Description / Remarks
0900									CALLS OUT
1400									ON LOGGING - DISCUSS JOB PROGRESS SAFETY MEETING
1503	2	88		✓					PSZ TEST CASING - CRIP - 4000' - HELD
1615									RELEASE PSZ - TRY TO OXID PORT COUPLER - TUBING BACK OFF
1700									PULL TUBING OUT - RETRIEVED TOPGUN
1830									SMOKE TUBING BACK TO WELL
1830									TRY TO OXID PORT COUPLER AND PUMP INTO - CAPTURE PUMP INTO AND
2000									PULL TUBING OUT OF WELL - BOLE FOR TODAY
0730									WAT CALL WITH BECAUSE WATER TOWER BACK ON LOGGING 7-3-98
0815	2	17		✓					PERF @ 3284 WATERIAL PART - GOOD BLEND OUT SEPARATE CASING - NO REMOVAL
0900									SET 3250 @ 3272' WITH WATERIAL TOWER - BUT SLOWLY - SLOWLY
1037									PSZ TEST CASING - 3250 - HELD - 5726 TO 3250
1047	2 1/2			✓					PUMP 10 BAR WATER
1102	2 1/2			✓					PUMP 20 BAR WATER
1102	2 1/2			✓					PUMP 8 BAR WATER
1102	2 1/2			✓					MAX CASING 60 SPS
1110	2 1/2			✓					START DEPARTMENT
1113	2 1/2			✓					PSZ LEFT
1119				✓					CRIP DEGRAD - START DOWN - HOLDING 200 PSZ
1120	2 1/2			✓					PULL OUT 3250
1200									REVERSE CIP
1200									PULL TUBING OUT LABEL
1200									WASH UP
1200									BACK UP
1200									JOB COMPLETE

THANK YOU  
WYLS 107.62

**COPY**