

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE  
RELEASED

ORIGINAL

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

API NO. 15- 175-21624-0000  
County SEWARD  
SW - SW Sec. 2 Twp. 34 Rge. 33 X E  
X W

Operator: License # 4549

FROM CONFIDENTIAL

660 Feet from X/S (circle one) Line of Section

Name: ANADARKO PETROLEUM CORPORATION

660 Feet from X/W (circle one) Line of Section

Address P. O. BOX 351

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name FITZGERALD "B" Well # 1

Purchaser: NONE

Field Name CONDIT

Operator Contact Person: DAVID W. KAPPLE

Producing Formation NONE

Phone (316) 624-6253

Elevation: Ground 2850.5 KB

Contractor: Name: BIG "A" DRILLING

Total Depth 6600 PBTD 6378

License: 31572

Amount of Surface Pipe Set and Cemented at 1615 Feet

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

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

X New Well Re-Entry Workover

If yes, show depth set \_\_\_\_\_ Feet

Oil SWD SIOW Temp. Abd.

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

Gas ENHR SIG

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

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

If Workover:

Drilling Fluid Management Plan ACT 1 D<sub>9</sub>A  
(Data must be collected from the Reserve Pit) Draw 8-22-97

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

Chloride content 1100 ppm Fluid volume 700 bbls

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

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

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

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

Deepening Re-perf. Conv. to Inj/SWD

Plug Back \_\_\_\_\_ PBTD

Commingled Docket No. \_\_\_\_\_

Dual Completion Docket No. \_\_\_\_\_

Other (SWD or Inj?) Docket No. \_\_\_\_\_

Operator Name KUL

Lease Name \_\_\_\_\_ License AUG 27

5-2-97 5-12-97 6-23-97

Spud Date Date Reached TD Completion Date

Quarter Sec. Twp. S. Rnd. 1

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

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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 8-27-97

Subscribed and sworn to before me this 27<sup>th</sup> day of August 19 97.

Notary Public Freda L. Hinz

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

**FREDA L. HINZ**  
Notary Public - State of Kansas  
My Appt. Expires 5-15-97

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

Form ACO-1 (7-91)

8-29-97

SIDE TWO

Operator Name ANADARKO PETROLEUM CORPORATION

Lease Name FITZGERALD "B"

Well # 1

Sec. 2 Twp. 34 Rge. 33  
 East  
 West

County SEWARD

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: SBT-CCL-GR, DIL, ML, CNL-LDT, SONIC.

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
CHASE	2620	
COUNCIL GROVE	2998	
HEEBNER	4308	
LANSING	4463	
MARMATON	5194	
CHEROKEE	5382	
MORROW	5751	
CHESTER	5967	
STE. GENEVIEVE	6315	
ST. LOUIS	6398	

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	1615	P+ MIDCON 2/ P+	380/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6426	P+ MIDCON 2/ VERSASET	170/130	2%CC, 1/4#SK FLC/ .6% HALAD 322, 5% KCL, .9% VERSASET, 1/4#SK FLC.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:  <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	
	2	6282-6299, 6268-6273		ACID: 1400 GAL 7 1/2% FeHCL.

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

Date of First, Resumed Production, SWD or Inj.	Producing Method
	<input 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

Disposition of Gas:

METHOD OF COMPLETION

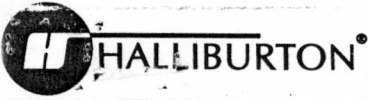
Production Interval

Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

Open Hole  Perf.  Dually Comp.  Commingled

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

\_\_\_\_\_  
 NONE-TO P&A



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JOB SUMMARY 4239-1

TICKET #	TICKET DATE
	5-3-97
REGION North America	NWA/COUNTRY Mid CONTINENT
BDA / STATE KS	COUNTY SEWARD
MBU ID / EMP # LI104 62573	EMPLOYEE NAME JOHN WOODROW
PSL DEPARTMENT CEMENT	CUSTOMER REP / PHONE JOHN SHILLINGS
LOCATION LIBERAL	
TICKET AMOUNT	WELL TYPE O2-GAS
API / UWI #	JOB PURPOSE CODE OIG-878 SURFACE
WELL LOCATION N. LIBERAL	DEPARTMENT CEMENT

ORIGINAL

LEASE / WELL # FITZGERALD B-345-33W	SEC / TWP / RNG 2-345-33W	RELEASED
--	------------------------------	----------

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
E. CHANCE H3456			
L. PATTERSON			

SEP 28 1999

FROM CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES

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	5-3-97	5-3-97	5-3-97	5-3-97
TIME	1200	1348	1705	1815

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		H
Float Shoe INSERT 8 7/8	1	
Guide Shoe REG 8 7/8	1	O
Centralizers 8 7/8	4	
Bottom Plug		W
Top Plug 5" W 8 7/8	1	
Head P/C 8 7/8	1	C
Packer		
Other		O

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	23'	8 7/8	KB	1628	
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	
				NO AUG 27 CONFIDENTIAL
<b>TOTAL</b>		<b>TOTAL</b>		

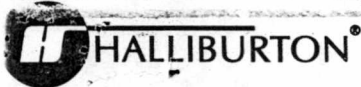
ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET 39	CEMENT LEFT IN PIPE Reason	SHORT JOINT

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	380	PT midcon	B	3 1/2 CC 1/4 FLOCCUL	3.22	11.1
	100	PT	B	2.8 CC 1/4 FLOCCUL	7.32	14.8

Circulating	Displacement	Preflush:	Gal - BBI 5	Type	TRKSH WAT/P
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad:	BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp:	BBI - Gal
Shut In: Instant	5 Min	Cement Slurr	Gal (BBI) 218 LC + 23.5 TC		
	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 John Shillings			

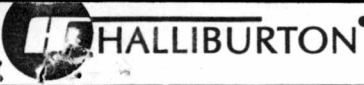


JOB LOG 4239-5

REGION North America	NWA/COUNTRY USA	TICKET # 183894	TICKET DATE 8/27/99
MBU ID / EMP # 1707 6272	EMPLOYEE NAME DAN BROWN	BDA / STATE TX	COUNTY DALLAS
LOCATION 2001	COMPANY HALLIBURTON	PSL DEPARTMENT 2001	<b>ORIGINAL</b>
TICKET AMOUNT	WELL TYPE 2001	CUSTOMER REP / PHONE	
WELL LOCATION 2001	DEPARTMENT CONCRETE	API / UWI #	JOB PURPOSE CODE CONCRETE
LEASE / WELL # 1801 8-1-1000	SEC / TWP / RNG 1801 8-1-1000	<b>RELEASED</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>CONFIDENTIAL</b>			<b>SEP 28 1999</b>
FROM CONFIDENTIAL			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1400							JOB READY
	1200							CALLED OUT FOR JOB
	1400							PUMP TRUCK ON LOCATION / RIG TRIPPING OUT
								DRILL PIPE / SET UP PUMP TRUCK
								START RUNNING 8 1/8" CSG + FLOAT EQUIP
								CASING ON BOTTOM 1628' HOOK UP 8 1/8" P/K + GRC IRON
								START CIRCULATING WITH RIG PUMP
								HOLD SAFETY MEETING
								THROUGH CIRCULATING / HOOK UP TO PUMP TRUCK
								JOB PROCEDURE
	1705	6.5			✓	0/100		PUMP 5 BBLs FRESH WATER
	1707		218		✓	100/80		START MIXING 380 SKS LEAD CMT AT 11.1 CPK
	1742	6.0	235		✓	80/150		MIX 100SKS TAIL CMT AT 14.8 CPK
	1748		241					THROUGH MIXING CEMENT / SHUT DOWN
	1755	6.0						RELEASE PLUG / START DISPLACING
	18							HAVE 53 BBLs OUT / HAVE CMT RETURNS TO SURFACE
	1815					250/150		MAX LIFT PRESSURE BEFORE LANDING PLUG
								PLUG DOWN / RELEASE FLOAT
								FLOAT HELD
								CIRCULATED (50 BBLs 87 SKS)
								JOB COMPLETE
								THANK YOU!
								WOODY KALDINS
								AUG 27
								CONFIDENTIAL
								RECEIVED KANSAS CORP COMM



# JOB SUMMARY 4239-1

TICKET #	184328	TICKET DATE	5-14-97
BDA / STATE	KS	COUNTY	SEWARD
PSL DEPARTMENT	CEMENT		
CUSTOMER REP / PHONE	JOHN SHILLINGS RELEASED		
JOB PURPOSE CODE	035-5/2 LONG STRING		

REGION	North America	NWA/COUNTRY	Mid CONTINENT
MBU ID / EMP #	LI 104 62573	EMPLOYEE NAME	JOHN WOODROW
LOCATION	LIBERAL, KS	COMPANY	ANADARKO PETROLEUM
TICKET AMOUNT		WELL TYPE	O2-GAS
WELL LOCATION	LIBERAL	DEPARTMENT	CEMENT
LEASE / WELL #	FRITZGERALD B-1	SEC / TWP / RNG	2-34S-33W

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
D. McLANE G3601			
D. CORPENING			

CONFIDENTIAL 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
420644 plv	10						
	10						
50864 6610	31						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth 6612

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
5-14-97	0100	5-14-97	0330	5-14-97	1200

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY	MAKE	
Float Collar INSERT 5 1/2	1	H	
Float Shoe			
Guide Shoe REG 5 1/2	1	O	
Centralizers 5-7 5 1/2	18		
Bottom Plug		W	
Top Plug 5-10 5 1/2	1		
Head PIC 5 1/2	1	C	
Packer			
Other		O	

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	15.5	5 1/2	KB	6426	
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	
				ALL AUG 27 CONFIDENTIAL

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

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	195	Pt Mid con	B	2% C.C. 1/4 FLOCEL	2.00	12.8
	130	PREMIUM	B	.9% URSASSET, 5% KCL, .6% HALAD-322, 1/4 FLOCEL	1.91	14.5

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal (BBI) 10 Type SUPER FLOCEL  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI Pad: BBI Gal  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI Disp BBI Gal 152  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBI 69.4 LC 72.6 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  
 John Shillings

REGION <i>North America</i>	NWA/COUNTRY <i>USA</i>	BDA / STATE <i>LA</i>	COUNTY <i>ORLANDO</i>
MBU ID / EMP #	EMPLOYEE NAME <i>[illegible]</i>	PSL DEPARTMENT <i>[illegible]</i>	
LOCATION	COMPANY <i>[illegible]</i>	CUSTOMER REP / PHONE <i>[illegible]</i>	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

**CONFIDENTIAL**

RELEASED  
SEP 28 1999

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

FROM COPY SENT TO  
**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0700							JOB READY
	0100							CALLED OUT FOR JOB
	0330							PUMP TRUCK ON LOCATION / RIG LAYING DOWN DRILL PIPE
	0400							SET UP PUMP TRUCK / OUT OF HOSE WITH D.P. / LAY DOWN R-H + M-H
	0645							START RUNNING 5/8 CSG + FLT EQUIP
	0930							CASING ON BOTTOM (426 FT) / Hook up 5/8 p/c + CIRCULATING IRON
	0940							START CIRCULATING WITH RIG PUMP
	1030							Hold safety meeting THROUGH CIRCULATING / Hook up to pump truck
	1035	4.0	8.0			9250		JOB PROCEDURE
	1038	5.0	10.0			250		pump 8 BBLS FRESH WATER SPACER
	1040	4.0	8.0					pump 10 BBLS SUPER FLUSH
	1105		5.0					pump 8 BBLS FRESH WATER SPACER
								PLUG R-H + M-H WITH 25 SKS
								START MIXING LEAD CMT AT 12.9 TAIL
								START MIXING TAIL CMT AT 14.5 TAIL
	1130							THROUGH MIXING CMT / SHUT DOWN / WASH OUT PUMP + LINES / RELEASE PLUG
								START DISPLACING
	1200		152.0			750/1500		MAY LIFT BEFORE UNLOADING PLUG / PLUG DOWN / RELEASE FLOAT / FLOAT HEAD

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1997 AUG 29 P 12:45