

ORIGINAL

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. KAPPLE

Phone (316) 624-6253

Contractor: Name: BIG "A" DRILLING

License: 31572

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 PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

9-4-97 9-13-97 10-16-97
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21657--0000

County SEWARD

SW - SW - NE - NW Sec. 33 Twp. 33 Rge. 34 E X W

1300 Feet from (circle one) Line of Section

1500 Feet from (circle one) Line of Section

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

Lease Name FINCHAM "G" Well # 2

Field Name SHUCK

Producing Formation MORROW

Elevation: Ground 2927.9 KB _____

Total Depth 6550 PBTD 6020

Amount of Surface Pipe Set and Cemented at 1690 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 Att. 1, 4-21-98 etc.
(Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 700 bbls

Dewatering method used DRY, BACKFILL & RESTORE LOCATION.

Location of fluid disposal if hauled offsite: _____

RECORDED
STATE CORPORATION COMMISSION

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. CONSERVATION DIVISION Wichita, Kansas Wichita, Kansas 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 11-25-97

Subscribed and sworn to before me this 25th day of November 19 97.

Notary Public Freda L. Henry

Date Commission Expires _____

ORIGINAL
Notary Public - State of Kansas
Exp. Expires 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

1415100

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name FINCHAM "G" Well # 2

Sec. 33 Twp. 33 Rge. 34 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: CBL-CCL-GR, DIL, ML, MSFL, CNL-LDT, LS SONIC.

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
CHASE	2606	
COUNCIL GROVE	2932	
HEEBNER	4244	
TORONTO	4261	
LANSING	4378	
MARMATON	5086	
CHEROKEE	5312	
MORROW	5704	
CHESTER	6010	
STE. GENEVIEVE	6367	
ST. LOUIS	6415	

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	1690	P+ MIDCON 2/ P+	345/100	3%CC, 1/4#SK FLC/ 2%CC, 1/4#SK FLC.
PRODUCTION	7-7/8"	5-1/2"	15.5	6548	VERSASET/ VERSASET	50/180	.6& HALAD-322, 5% KCL, .9% VERSASET, 1/4#SK FLOCELE/SAME.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	6438-6446, 6416-6428, CIBP @ 6200.		ACID: 1800 GAL 15% FeHCL.	6416-6446 (OA)
2	6054-6082, 6030-6038, CIBP @ 6020.		ACID: 2500 GAL 7 1/2% FeHCL. FRAC: 18000 GAL FMD HCL & 12000# 20/40 SD.	6030-6082 (OA) 6030-6082 (OA)
2	5955-5976.		ACID: 1000 GAL 7 1/2% FeHCL. FRAC: 28500 GAL FMD GEL & 83500# 20/40 SD.	5955-5976 5955-5976

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
11-3-97	<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 TSTM	Gravity
		1108	0		

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: 5955-5976



JOB SUMMARY 4239-1

TICKET #	TICKET DATE
234816	9-4-97
BDA / STATE	COUNTY
KANSAS	SEWARD
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
JOB PURPOSE CODE	
	010 SURFACE

REGION	NWA/COUNTRY
North America	MID CONTINENT
MBU ID / EMP #	EMPLOYEE NAME
L10105 H3377	STERLING RAMES H3377
LOCATION	COMPANY
LIBERAL KS	ANADARKO
TICKET AMOUNT	WELL TYPE
	02
WELL LOCATION	DEPARTMENT
N/W LIBERAL	CEMENT
LEASE / WELL #	SEC / TWP / RNG
FINGHAM #6-2	

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 RAMES H3377			
K ELWOOD D 4360			
J FROSTY 69775			
A ROW H5815			

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
30242	28						
5929 7121	28						
50404-6610	20						
4461-	20						

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	9-4-97	9-4-97	9-5-97	9-5-97
TIME	21:00	22:00	05:10	06:01

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar	1	HALCO
Float Shoe	1	HALCO
Guide Shoe	1	HALCO
Centralizers	4	HALCO
Bottom Plug	1	HALCO
Top Plug	1	HALCO
Head	1	HALCO
Packer	1	HALCO
Other	1	HALCO

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	23.00	8 5/8	0	1691	
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	
				256 SURFACE
				STATE COMMISSION
				DEC 1 1997
				CONSERVATION DIVISION
				Wichita, Kan Gas
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

TREATED _____ AVERAGE RATES IN BPM _____ Overall _____

FEET 3460 CEMENT LEFT IN PIPE _____ Reason SLIDE JOINT

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	345		DULK	370 CC, 1/4 # SK FLOCC	31	11.1
	100		DULK	270 CC, 1/4 # SK FLOCC	137	14.8

Circulating _____	Displacement _____	Preflush: _____	Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____	Disp: BBI - Gal 106.01
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____	Gal - BBI _____	
		Total Volume _____	Gal - BBI _____	188.36

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



JOB LOG 4239-5

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	
DEPARTMENT	JOB PURPOSE CODE
SEC / TWP / RNG	

REGION North America	NWA/COUNTRY
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

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
STARLING RAINES H3871			
R. ELWOOD D4860			
J. FROSTY 69776			
R. RON H8815			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	22:00							ON LOCATION
	22:15							SAFTY MEETING
	03:36							RUN CASING
	04:15							DROP BALL
	04:50							HOOK UP IRON
	04:59					200		CIRCULATE HOLE
	05:10							START JOB
	05:12	2	5			100		WATER AHEAD
	05:13	6	165.85			150		PUMP LEAD CEMENT 3/8 CC, 1/4 SK FLOCC 11.1 GAL
	05:36	6	23.51			200		PUMP TAIL CEMENT 2/8 CC, 1/4 SK FLOCC 14.8 GAL
	05:42							SHUT DOWN WASH UP PUMPS AND LINES
	05:43							DROP PLUG
	05:44	7	106.01			200		PUMP DISPLACEMENT
	05:59	3	10			280		LAND PLUG
	06:00	2	1			450		DUMP PLUG
	06:01							RELEASE P.S.I. PLUG HELD
								CIRCULATED 54 SACKS TO PIT ✓
								THANK YOU!
								STARLING RAINES ROBERT ELWOOD AND CREW

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STATE COMMISSION
DEC 01 1987
CONSERVATION DIVISION
Wichita Kansas



JOB SUMMARY 4239-1

REGION North America	NW/COUNTRY USA	TICKET # 234640	TICKET DATE 9-15-97
MBU ID / EMP # L10103 F4550	EMPLOYEE NAME TYCE DAVIS	BDA / STATE KS.	COUNTY Seward
LOCATION Liberal	COMPANY Anadarko	PSL DEPARTMENT CMT	CUSTOMER REP / PHONE Steve
TICKET AMOUNT	WELL TYPE 02	API / UWI #	JOB PURPOSE CODE 035
WELL LOCATION Land	DEPARTMENT CMT		
LEASE / WELL # Fincham C-2	SEC / TWP / RNG 33-33-34		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS B. McIntyre H2308	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
B. Riley J.2260			

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
52823-75374 ACM	26						
420042 P.V.	26						
50502-75505	38						

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	9-14-97	9-14-97	9-13-97	
TIME	2000	2145	0330	0425

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Gellar Insert 5/8"	1	H
Float Shoe Fillup "	1	
Guide Shoe Red "	1	0
Centralizers 5/4 "	15	
Bottom Plug		W
Top Plug 5w "	1	
Head P.C. "	1	C
Packer		
Other		0

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N.	15.5	5 1/2	KB	6561	
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	
				CMT
				5 1/2
				L.S.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

TREATED _____ AVERAGE RATES IN BPM _____ Overall _____

FEET 45 CEMENT LEFT IN PIPE _____ Reason Shoe JT

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	50	Prem	B	.9% vers. 5% KCL 10% H9194322 1/4 # F10		12"
1	180	Prem	B	"	1.41	14.5

Circulating _____ Displacement _____ Preflush: Gal - **BB** 26 Type H₂O + SF

Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI Pad: BBI - Gal

Average _____ Frac Gradient _____ Treatment Gal - BBI Disp: **BB** - Gal 15.5

Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - **BB** 18 L.C. 45.2 TIC

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
Steve Anderson

TICKET #	234040	TICKET DATE	7-15-77
BDA / STATE	KS	COUNTY	...
PSL DEPARTMENT	...		
CUSTOMER REP / PHONE	...		
API / UWI #	...		
JOB PURPOSE CODE	...		

REGION	North America	NW/COUNTRY	...
MBU ID / EMP #	...	EMPLOYEE NAME	...
LOCATION	...	COMPANY	...
TICKET AMOUNT	...	WELL TYPE	...
WELL LOCATION	...	DEPARTMENT	...
LEASE / WELL #	...	SEC / TWP / RNG	...

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
ORIGINAL			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2000							Called out for job
	2145							ON LOC RLY L.O.D.P.
	2300							out of Hole W/D.P. RLY UP COVERS
	2330							Start 5 1/2 CSY & F.E.
	0230							CSY ON BOH Hook UP 5 1/2 P.C & Circ. Iron.
	0238							brlc circ. w/ RLY.
	0240							circ. to pit.
	0310							Play Rat & mouse.
	0330							Thru. circ. Hook Iron to P T
	0332	6.0	26			250		Pump H ₂ O & SF.
	0337	6.0	18			240		Pump 50SX prem vels. 9+12 [#] 1801
	0340	6.0	45.2			200		Pump 180sx prem vels 9+14.5 [#] 1801
	0347	0	45.2			0		Shut down Drop Plug Wash up
	0351	6.5	155			100		Pump Disp
	0411	6.0	155			100 220		1206 bbls in lift cmt
	0417	2.5	155			550		145 bbls in 510 rate.
	0421	2.0	155			700 1500		Load plug
	0422	0	155			1500		Release float - Held.
	0425							Job over
								Thanks. For calling.
								Tracy Brian. crew

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 STATE OFFICE OF CONSERVATION
 DEC 04 1977
 CONSERVATION DIVISION
 Topeka, Kansas